

# HOT

PRODUCTS



**The Premier  
Worldwide Personal  
Watercraft Parts Distributor**

**2012  
CATALOG**

**Dear Hot Products Dealers,**

Hot Products, "The Premier Worldwide Personal Watercraft Parts Distributor" is pleased to release the 2012 Hot Products High Performance, Racing and Repair Parts Catalog.

In the spring of 2011 Hot Products went through a complete company restructuring. This process included staffing, purchasing, inventory, warehouse, shipping... This has been a great improvement for the company and has allowed us to offer our dealers worldwide the best customer service and inventory.

One of our core company values is Customer Service and the ability to provide accurate product information at all times. Our catalog is created to be the most complete and easy to use catalog in the industry, along with the entire team at Hot Products who are always available to assist you with all your needs, and be your #1 PWC Performance and Repair source and supplier.



The 2012 catalog proudly features the following enhancements:

- Our Four Stroke Feature sections have been expanded to 83 pages and include the most up to date information and all the new parts available.
- A new feature section containing 10 pages to offer you information and parts for the growing markets in the Stand-up PWC (Freestyle, Freeride and 1100 conversion) categories.
- Improved Electrical section featuring all of the OE replacement parts from WSM.
- We have once again this year expanded our inventory within our existing products lines to offer the most overall variety in the PWC Industry. Also for 2012 we are distributors for Kommander Industries, JE Pistons, CP Pistons, Carrillo and Wossner Pistons product lines.

Hot Products has always strived to contribute to the growth of the Personal Watercraft Industry and Racing, for 2012 Hot Products will be participating in and sponsoring a record number of events to assist in the rebuilding of our sport.

The Hot Products Staff, Racers and I would like to send our appreciation to all of our dealers and vendors that have been part of our great business and look forward to great year.

**Scott Saito** • Hot Products Founder and President

Cover Photographs by Jon Currier • [www.joncurrierphotography.com](http://www.joncurrierphotography.com)  
2012 Hot Products Sponsored Pro Jet Ski Freerider Taylor Curtis



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All orders require a Visa, MasterCard or Discover credit card payment to release the order for shipment. COD shipments are available but must be approved by Hot Products when the order is placed. **Hot Products will pay the UPS COD Fee** on orders \$500.00 and up per shipment. However **any order under \$500.00 will incur a \$11.00 UPS COD Service Charge** (the actual UPS COD Fee) if the order is not paid via credit card.

All orders will be shipped via UPS Ground unless otherwise requested. **Hot Products offers free UPS Ground shipping on all orders of \$250.00 or more** within the continental USA (Excluding Alaska, Hawaii, Guam, Puerto Rico). The following items are exceptions to the free freight policy and do not qualify: Beach Stands, Launcher Totes, Lifesled and other oversized items. The UPS Ground rate will be credited against the UPS Air Freight charges on all qualifying free UPS Ground orders. \*All shipping rates are the published UPS rates.

**Hot Products does not have a minimum order**, all orders are accepted.

**EXPORT SERVICES**

The parent company of Hot Products, Exceed International Inc. has over 30 years of World Wide Export experience. In conjunction with the ability to purchase from the aftermarket watercraft industry manufacturers for export. Exceed International can process and package one easy and convenient shipment to expedite the shipment process and save on your shipping/export fees.

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**[www.HotProductsUSA.com](http://www.HotProductsUSA.com)**

# HOT PRODUCTS SUPPORTS RACING IN THE USA AND ALL OVER THE WORLD...

FOUR STROKE
INTAKE SYSTEMS
ENGINE/GASKETS
EXHAUST
DRIVE LINE HANDLING
ELECTRICAL
WATERLINE /BILGE
STEERING & CONTROLS
BODY
ACCESSORIES
SERVICE TOOLS /HARDWARE
CHEMICAL



The Hot Products Cup is a season long competition in which racers accumulate points in specific racing classes from the Qualified Jettribe West Coast Nationals Tour events. At the end of the season, the winning racers of the select classes will be crowned the Hot Products Cup Champion for that class.

The 2012 Hot Products Cup season will consist only of the events within the Jettribe West Coast Nationals Tour and end at the last event of the series before the IJSBA World Final Events in October. The first qualifying event was the Jettribe West Coast Nationals Tour stop in Parker, Arizona on April 28, 2012.

Hot Product Cup points are awarded to first through third place in each racing class.

The Champions of the Hot Products Cup (based on each racing class) will be awarded the entry fee for the 2012 IJSBA World Final Event. This entry fee will be for the class in which you won.



## 2012 IJSBA World Finals, September 29-October 7

The IJSBA World Finals, held every year since 1982 in Lake Havasu City, Arizona, USA, is the true focal point of the International Personal Watercraft calendar. This is the most venerable and prestigious single personal watercraft event in the world. The 2012 event projects over 750 personal watercraft racers from around the world will attend and race, the IJSBA World Finals has been the cornerstone of IJSBA racing and will be for many more years.

Hot Products will have a "VIP Lounge" at the 2012 IJSBA World Final in Lake Havasu City, Arizona. The Lounge will be available for pre-registered guests only, please contact us for details and to register for the Hot Products VIP Lounge Pass.



The 2013 Hot Products IJSBA Mark Hahn Memorial Havasu 300 mile National Team Endurance Race is all set to launch on February 23, 2013 from Crazy Horse Campground in Lake Havasu City, Arizona. The event will once again be sanctioned by the International Jet Sports Boating Association (IJSBA), and it is expected to draw a record number of teams from around the globe, as well as all of the top PWC racers from the US. The Teams will be competing against each other while trying to break the 300 mile record time of 4 hours 17.35 minutes set by the 2012 Mark Hahn Memorial Overall winners Jean Bruno Pastorello and Pierre Carlier of Team Kawasaki.



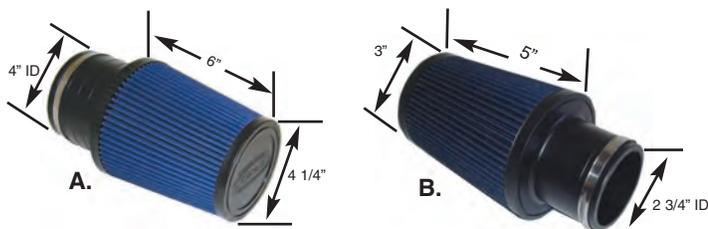
The race is being held again in the memory of endurance racer Mark Hahn, who was instrumental in providing the momentum to keep endurance racing strong and growing across the country before his untimely death during a PWC race in 2004. The "Team" format features two riders for runabout (sit down) boat teams and up to three riders for a stand-up craft. Solo riders are also welcome to "Ironman" the race on either style of boat, a real test of endurance and stamina reserved for only the true endurance zealots. The 2012 event was the fifth PWC race to use transponders in the United States, and has been well received. This has helped greatly to increase the professionalism of this national event. Transponders will be used in the 2013 event as well.



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# SEA DOO 4-STROKE • INTAKE



## R&D POWER PLENUM FILTER KIT

The R&D RXP-X and RXT-X High Performance Power Plenum Air Filter Kit was designed and developed exclusively for the new Sea Doo RXP-X and RXT-X 255 H.P. 4Tecs new high flow intake system design. The R&D filter kit will unleash restricted low-end, mid-range and peak horsepower trapped in the O.E.M. air filtration system and intake ducting by relieving the air intakes main restriction. The new R&D Filter Kit installs in place of the O.E.M. main air box plenums restrictive air intake cover. Replacing the O.E.M. air box intake cover with the R&D Filter offers a very economical way to improve airflow CFM at a fraction of the cost compared to other aftermarket kits. Sounds good, looks great, saves cash and will install in minutes. The R&D Filter Kit is easy to remove for dealer maintenance visits.

Description	Part No.
A. Power Plenum Filter Kit RXP-X(255), RXT-X(255), RXP(215), RXT(185/215), GTX SuperCharged	203-00255
B. Power Plenum Filter Kit GTX 4-Tec N.A.(155) RXP-X 260 (2012) available 2012 early Summer	203-95002 203-00260



## RIVA RXP/RXP-X RXT/RXT-X/GTX-SC POWER FILTER KIT

Delivers greatly improved acceleration and a 1-2 mph (150-200 rpm) top speed increase by replacing the restrictive stock intake system. The Power Filter feeds your supercharger with a steady diet of cool air via a 3" diameter intake duct and oversized K&N filter element. Ducting is precision formed from a race proven composite that will not conduct heat to incoming air. Installs securely via a silicone coupler and sturdy bracket. Includes pre-filter element.

*NOTE: It will be necessary to upgrade your stock pump impeller to a steeper pitch when using our Power Filter Kit. Sea Doo and RIVA both strongly recommend the use of premium octane (91+) pump fuel in your Supercharged watercraft.*

Sea Doo	Part No.
Power Filter Kit, RXP/RXT (04-07), RXP-X/RXT-X 255, GTX-SC	RS13050-06
Power Filter Kit, (03) GTX-SC only	RS13050-03
Power Filter only for RS 13050-03/06	RS13050-2
Pre-Filter Only for RS13050-2	RS13050-PF-BLK



## RIVA RXP PRO-SERIES POWER FILTER KIT

The Pro-Series Power Filter is a race-bred air intake system that draws cool air from outside your engine compartment delivering incredible performance and eliminating power-robbing heat intake. Air enters the system under seat through a billet aluminum intake flange equipped with a water-repellent pre-filter. Precision formed ducting attaches to supercharger via a large 4" adapter. Kit includes a complete oil catch can/breather system that keeps hot oil vapor and crankcase fumes from entering your engine's air intake. Also contains two Flow-Rite® water-repellent vents for improved ventilation of engine compartment through engine cowling.

*NOTE: This product is not designed for heavy surf use due to possibility of water ingestion. We recommend RIVA Power Filter Part# RS13050-YEAR for this application.*

Description	Part No.
Power Filter Kit, Pro-Series RXP 215/RXP-X 255*	RS13056
Pre-Filter Assembly only for RS13056	RS13056-PF
OEM Intercooler Upgrade Kit	RS17080-ICUK
RXP-X 255 HP/RXT-X 255 HP	

*\*NOTE: Relocation of the stock intercooler is required on RXP-X 255, see Part #RS17080-ICUK (Page 10)*



## RIVA SEA DOO RXT-X 260 POWER FILTER KIT

RIVA's RXT-X 260 Power Filter Kit draws cold air from outside your engine compartment delivering awesome performance and eliminating power-robbing heat intake. Forward air intake is separated from hot engine compartment with rigid thermal bulkhead that installs between engine & fuel tank. Cold air is delivered to engine via large 4" smooth-bore ducting that is attached to supercharger with unique velocity stack and sturdy billet clamps. Fits 2010-2011 RXT-X 260 only (excludes iS/aS models). Requires use of RIVA Catch Can/Oil Breather System (part# RS19050-BCC) see page 3.

Description	Part No.
RIVA RXT-X 260 Power Filter Kit (non iS/aS)	RS13100
RIVA RXP-X 260(T3) 2012 Power Filter Kit	RS13110

# SEA DOO 4-STROKE • INTAKE



## RIVA SEA DOO RXT/GTX IS/AS POWER FILTER KIT WITH SUSPENSION MODEL

Delivers greatly improved acceleration and top speed increase by replacing the restrictive stock intake system. The Power Filter® dramatically increases air flow to your supercharger via a large 4" diameter intake duct and oversized K&N filter element. Ducting is precision formed from a race proven composite that will not conduct heat to incoming air. Installs securely to supercharger via a tapered velocity stack, silicone coupler and stainless steel clamps. Includes pre-filter element.

<b>Description</b>	<b>Part No.</b>
Sea Doo Power Filter RXT, GTX iS&aS	RS13100-S



## RIVA RACING FLO-RITE AIR VENT

Flow-Rite™ Air Vents reduce underhood temperatures & improve performance by allowing hot air to escape engine compartment. These 2" water-repellent vents feature an integrated pre-filter that allows air to pass freely while keeping water out. Installs easily into engine cowling or deck of your watercraft.

<b>Sea Doo</b>	<b>Part No.</b>
RIVA Flo-Rite Air Vent (Sold individually)	RS-14-197



## RIVA RXP STAINLESS BRAIDED VENT HOSE KIT

RIVA's custom Stainless Braided Vent Hoses directly replace the inferior plastic vent hoses that are prone to fading, cracking and distorting over time.

<b>Description</b>	<b>Part No.</b>
RIVA RXP 215, RXP-X 255 Stainless Braided Vent Hose Kit	RS5-0100



2006 & Newer Models



2005 & Older Models



## RXP/RXT CATCH CAN/OIL BREATHER SYSTEM

Easy to install catch can/oil breather eliminates power-robbing crankcase fumes and oil vapor from your engine's air intake. Increases horsepower by removing the engine's requirement to burn relatively non-combustible oil. Also improves intercooler efficiency by preventing the oil sludge coating that lowers thermal efficiency. Excess oil vapor is routed to our translucent catch can where it condenses and collects for occasional draining via integrated petcock valve. Kit includes K&N breather, Sea Doo mounting bracket, hardware & instructions.

<b>Description</b>	<b>Part No.</b>
RIVA Catch Can Breather Kit, RXP 215, RXT 215, RXP-X 255, RXT-X 255, GTX 4-TEC	RS19050-BCC



## R&D SEA DOO CRANKCASE BREATHER KIT

The R&D Crankcase Breather Kit eliminates power robbing crankcase fumes from the engines main air intake. Cleaner mass air equals more power!

<b>Description</b>	<b>Part No.</b>
R&D Crankcase Breather Kit RXP/RXT 215 HP, GTX 4-Tec	203-00216



## RIVA SEA DOO BVIC INTAKE BLOCK-OFF

Made from billet aluminum, RIVA's block-off plate fills the opening in the 215 intake manifold left when the stock intercooler is removed. Integrated fitting allows for use of aftermarket boost gauge. Includes Viton o-ring and is anodized to prevent corrosion.

<b>Description</b>	<b>Part No.</b>
RIVA BVIC Intake Block-off	RS1750-PC-ABBO



## RIVA INTAKE MANIFOLD UPGRADE KIT (255HP)

This Intake Manifold Upgrade Kit enables your engine to produce more horsepower through increased boost pressure (+1lb). Supplied hole cutting tool allows easy removal of restrictive screen element from inside of intake manifold. Special o-ringed, billet block-off plug with integrated fitting for aftermarket boost pressure gauge fills opening left after removal of screen element. Includes detailed installation instructions.

<b>Description</b>	<b>Part No.</b>
RIVA Intake Manifold Kit RXP-X/RXT-X 255	RS12080-IMUK

SEA DOO 4 STROKE	INTAKE SYSTEMS	ENGINE/GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BLIGE	STEERING & CONTROLS	BODY	ACCESSORIES SERVICE TOOLS /HARDWARE	CHEMICAL
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# SEA DOO 4-STROKE • SUPERCHARGER

SEA DOO  
4 STROKE

INTAKE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGE

STEERING  
& CONTROLS

BODY

SERVICE TOOLS  
ACCESSORIES

/HARDWARE

CHEMICAL



## RIVA GEN-2 SUPERCHARGER IMPELLER 215HP

Presenting the ultimate (drop-in) performance supercharger impeller for the Sea Doo 215hp engine! Working closely with Vortech Engineers, RIVA

developed the next generation high-performance replacement impeller that delivers 9lbs of boost @ 8,100rpm in RIVA Stage II applications. Produces more horsepower and torque throughout the RPM range resulting in excellent acceleration & top speed. Investment cast from an extremely strong, lightweight proprietary aluminum and CNC machined to ensure exact tolerances. All new blade design is optimized aerodynamically and precision balanced to deliver smooth operation. Installs easily into stock supercharger housing with no additional modifications required. Includes replacement mounting nut and detailed installation instructions.

*\*Note: It will be necessary to upgrade your stock pump impeller to a steeper pitch when using the Gen-2 Supercharger Impeller. Sea Doo and RIVA both strongly recommend the use of premium octane (91+) fuel in your Supercharged PWC.*

Description	Part No.
SC Impeller, all RXP 215/RXT 215/GTX-SC	RS1750-001B
RIVA Supercharger Impeller Nut	RS1750-001A-N



## RIVA SEA DOO 255/260 XX-CHARGER

RIVA's new XX-Charger delivers 14.5 psi of boost pressure at rpm producing arm wrenching acceleration and increased top speed. High performance impeller, spacer & front housing combo increase horsepower through superior Vortech impeller blade design and larger interior housing volume. Impeller features a sophisticated blade design that is precision balanced to deliver smooth operation. Housing, spacer & impeller install quickly and easily onto stock supercharger base plate. **Requires RIVA Pro-Series ECU, RIVA Pro-Series Fuel Injectors (50lb) & RIVA Fuel Pressure Regulator Kit for correct calibration.** Includes detailed installation instructions.

SPECS: 137mm with .060 housing spacer.

- 13.5psi @ 8,100rpm
- 14.5psi @ 8,500rpm

Description	Part No.
RIVA Sea Doo 255/260 XX-Charger	RS17080-IH-137-060



## RIVA SEA DOO 215/255/260 XXX-CHARGER

Presenting the ultimate performance supercharger for Sea Doo 215/255/260 engines! The all new RIVA XXX-Charger is a complete supercharger assembly featuring a sophisticated, lightweight 140mm Vortech impeller that is precision balanced to deliver smooth operation, a billet spacer, machined front & rear housings and RIVA Heavy Duty Clutch Washers. Increase interior volume produces huge performance gains delivering 15.5psi @ 8,500rpm.

Each XXX-Charger is hand assembled in-house using Genuine BRP shaft, bearings & hardware. Installs quickly in place of OEM supercharger.

**Requires RIVA Pro-Series ECU, RIVA Pro-Series Fuel Injectors (50lb) & RIVA Fuel Pressure Regulator Kit for correct calibration.** Includes detailed installation instructions.

SPECS: 140mm with .060 housing spacer.

- 14psi @ 8,100rpm
- 15.5psi @ 8,500rpm

Description	Part No.
RIVA Sea Doo 215/255/260	RS17050-SC-140-060



## R&D RXP SUPERCHARGER SLEEVE

The sleeving up of the diameter of the Supercharger enables a 3.5" or 4" intake filter system to be utilized. The larger intake increases cubic air volume as well as decreases air inlet restriction. A win win, supercharge your supercharger and give it more air! Available in 3.5" and 4" diameters.

Description	Part No.
RXP Supercharger Sleeve 3-1/2" Diameter	613-95035
RXP Supercharger Sleeve 4" Diameter	613-95040

# SEA DOO 4-STROKE • SUPERCHARGER



## SEA DOO 215 4-TEC C3 MONSTER CHARGER WHEEL

R&D's C3 Monster Compressor Wheel for all Sea Doo 215 4 Tec engines will deliver "horsepower you can feel" with instant throttle response, improved mid range acceleration, and increased top end performance. The R&D Monster Wheel replaces the stock wheels inefficient long inducer, and 6 blade design, with a modern low profile high flow 8 blade w/splitter design with increased blade tip height. The R&D C3 Monster Wheel will deliver a solid 9.5 pounds of boost pressure with a 2.5-3 pound per minute airflow gain. The R&D C3 Monster Wheel fits directly into the O.E.M. compressor housing using a kit supplied .080" compressor case spacer for a "no modifications" bolt on and go part. The increased blade tip height allows more air to flow over the wheel thus producing more pounds of air per minute of flow. The C3 Monster Kit has proven to perform well against aftermarket kits with larger inducer housings at a fraction of the cost, making the R&D C3 Monster Kit "the most bang for the buck". The C3 Monster works exclusively with the O.E.M. intercooler, and performs well on 91 octane pump gasoline. Boost rated at 9psi @ 8000rpm and 11psi @ 8500 rpm.

- Better throttle response and increased horsepower
- Increased boost pressure (3-4psi over stock @ 8200 rpm)
- Increased airflow (2.5-3.0 pound per minute gain)
- 25-30 plus horsepower increase and 2 Plus MPH Gain
- Precision balanced (turbo specs .012-.027 gram inches)
- Utilizes O.E.M. intercooler
- 91 octane pump gas friendly
- Ultra easy installation
- Inexpensive horsepower upgrade for RXT / RXP

NOTE: The R&D C3 Monster Compressor Wheel delivers a 2.5-3.0 pound per minute airflow gain (approximately 30 horsepower at sea level). The C3 Monster Wheel will work best in 2000 ft. plus elevations, or in ambient air temperatures of 100 plus degrees. For high altitude situations (such as Denver, Colorado) or high heat conditions (above 100 degrees), R&D suggests the C3-C4 range of Monster Wheels. Air density is greatly influenced by heat and altitude combinations. In conditions where the air becomes less dense, power will be lost. R&D offers a range of compressor wheels that will allow the engine tuner to compensate for air density losses with a range of compressor wheels with increased blade tip height and increased inducer sizes, all with increased air flow volumes rated in pounds per minute.

NOTE: For closed course or endurance racing use using the Rotax racing E.C.U. where rpms are between 8250 and 8500, R&D recommends the use of X model or aftermarket intercooler system. Tests have proven the O.E.M. intercooler to have restrictions at 23.5 pounds of air, or 9.5 pounds of boost at sea level and 60-80 degrees.

Description	Part No.
Sea Doo 215 4-Tec C3 Monster Charger Wheel	613-94003



## SEA DOO 215 4-TEC C5 MONSTER CHARGER WHEEL

R&D's C5 Monster Compressor Wheel Kit for all Sea Doo 215 4 Tec engines will deliver 40 "X" type horsepower to the 2004-2008 RXT/RXP Sea Doo's to significantly increase overall performance. The R&D Monster Wheel Kit replaces the stock wheels inefficient long inducer, and 6 blade design, with a modern low profile high flow 8 blade w/splitter design with a 2mm larger inducer and increased blade tip height. The R&D C5 Monster Wheel Kit will deliver a solid 11 plus pounds of boost pressure with a 4 pound per minute airflow gain. The R&D C5 Monster Wheel fits directly into a kit supplied O.E.M. "X" front compressor housing using a .080" compressor case spacer for a "no modifications" bolt on power upgrade kit. The increased inducer size and blade tip height allows more air to flow over the wheel thus producing more pounds of air flow per minute. The C5 Monster will require the use of the "X", or aftermarket intercooler kits, and performs well on 91 octane pump gasoline. Boost rated at 11psi@8000rpm and 13psi@8500rpm.

- Better throttle response and increased horsepower
- Increased boost pressure (4-5psi over stock @ 8200 rpm)
- Increased airflow (4.0 pound per minute gain)
- 40 plus horsepower increase and 3 Plus MPH Gain
- Precision balanced (turbo specs .012-.027 gram inches)
- Utilizes O.E.M. "X" or Aftermarket Intercooler Kits
- 91 octane pump gas friendly
- Ultra easy installation
- Inexpensive horsepower upgrade for RXT / RXP

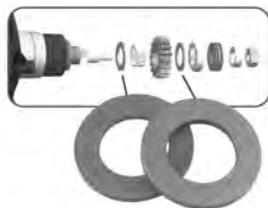
NOTE: The R&D C5 Monster Compressor Wheel delivers a 3.75-4 pound per minute airflow gain (approximately 35-40 horsepower at sea level). The C5 Monster Wheel Kit will work best in 3000 ft. plus elevation situations (such as Denver, Colorado) or high heat conditions (above 100 degrees) with the O.E.M. intercooler. For sea level use with rpm's over 8100 and the C5 Monster Wheel Kit, R&D strongly suggests that the "X" or aftermarket intercooler kits be used as high boost pressures and high air volumes will dead head into the O.E.M. intercooler causing compressor surge. For closed course or endurance racing use using the Rotax racing E.C.U. where rpms are between 8250 and 8500, R&D recommends the use of the X model or aftermarket intercooler system. Tests have proven the O.E.M. intercooler to have restrictions at 23.5 pounds of air, or 9.5 pounds of boost at sea level and 60-80 degrees.

NOTE: Air density is greatly influenced by heat and altitude combinations. In conditions where the air becomes less dense, horsepower will be lost. R&D offers a range of compressor wheels that will allow the engine tuner to compensate for air density losses with a range of compressor wheels with increased blade tip height and increased inducer sizes, all with increased air flow volumes rated in pounds per minute.

Description	Part No.
Sea Doo 215 4-Tec C5 Monster Charger Wheel	613-94005

SEA DOO 4 STROKE	NA/TKE SYSTEMS	ENGINE/ GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES SERVICE TOOLS /HARDWARE	CHEMICAL
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# SEA DOO 4-STROKE • SUPERCHARGER



## RIVA HEAVY-DUTY 04-07 RXP/RXT/GTX SC SUPERCHARGER CLUTCH WASHERS

These are direct replacements for the original clutch washers that are prone to fail on modified engines. Precision machined from tool grade steel to increase durability. Will not break up and damage engine at end of service life.

Description	Part No.
RIVA Clutch Washers 04-05 RXP, RXT, GTX SC	RS1751-HDW-945
RIVA Clutch Washers 06-07 RXP, RXT, GTX SC	RS1751-HDW-946*

\*Note: RS1751-HDW-946 must be used with 2006 style Sea Doo OEM Supercharger shaft Part #420881946



## RIVA HEAVY-DUTY 08 RXP-X/RXT-X 255HP 08 RXP/RXT/GTX-SC 215HP SUPERCHARGER CLUTCH WASHERS

These are direct replacements for the original clutch washers that are prone to fail on modified engines. Precision machined from tool grade steel to increase durability. Will not break up and damage engine at end of service life.

**NOTE: BRP recommends that you replace the Supercharger shaft/clutch assembly when servicing your supercharger.**

**Order part# 420881100 ('08 spec). Requires '08 spec Heavy-duty Clutch Washers (part# RS1751-HDW-948).**

Description	Part No.
RIVA Clutch Washers 08 255HP RXP-X, RXT-X & 215HP RXP, RXT, GTX-SC	RS1751-HDW-948



## R&D SUPERCHARGER HIGH PERFORMANCE CLUTCH WASHER KIT

The R&D High Performance Supercharger Clutch Washer Kit is a direct replacement upgrade for the very fragile factory BRP O.E.M. ceramic clutch washers that are and prone to fracture and disintegrate, which can result in costly engine damages. The R&D High Performance Clutch Kit is manufactured from a high strength, wear resistant bronze alloy material that has a yield strength of 32,000 psi plus, and a Rockwell hardness of B95. The R&D Superclutch Washer Kit was designed to improve reliability without disintegrating under the Sea Doo superchargers high rpms, heat and is designed to not only but also increase boost by decreasing clutch slippage.

Description	Part No.
R&D Clutch Washer Kit 06-07 RXP/RXT 215*	613-95001

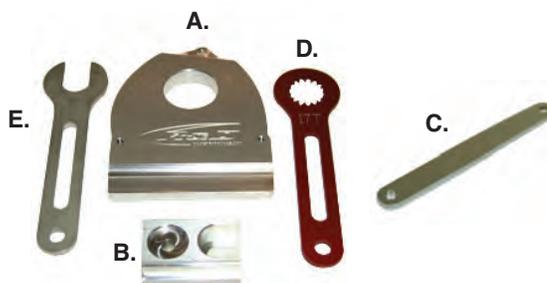
\*NOTE: (or any supercharger rebuilt or warranted with a BRP rebuild kit part #420881946 or #420881947) NOTE: BRP#420881946 is for 215 engines, and #420881947 is for 185 engines.

Description	Part No.
R&D Clutch Washer Kit 03-04 GTX 185 S/C, 04-05 RXP 215, 05 RXT 215	613-95002

\*NOTE: BRP supercharger rebuilt kit installed, upgraded, or warranty updated with the BRP rebuild kits #420881947 (for 185) or #420881946 (for 215), these upgraded superchargers will require R&D PART # 613-95001

Description	Part No.
R&D Clutch Washer Kit 08 RXP/RXT 215HP, RXP-X/RXT-X 255HP	613-95006

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## R&D SUPERCHARGER REBUILD TOOL KIT

R&D has designed custom tools that are essential in the rebuilding process of a Sea Doo Supercharger. All tools are specific in application and are CNC machined to ensure a precision job.

Description	Part No.
A. Supercharger Holder Tool	613-96005
B. Bearing Puller/Installer Tool	613-96006
C. Seal/Bearing Retainer Torx Wrench	613-96008
D. 215HP 16 Tooth Drive Gear Tool	613-96016
D. 185HP 17 Tooth Drive Gear Tool	613-96017
E. 185HP Clutch drive / Lock Washer Tool	613-96018
E. 215HP Clutch drive / Lock Washer Tool	613-96019

## RIVA SEA DOO SUPERCHARGER SHAFT HOLDER TOOL



Servicing your supercharger in a snap. Ergonomically designed billet handle, heat treated tool-grade steel to resist wear and to prevent flexing.

Description	Part No.
RIVA Sea Doo Supercharger Shaft Holder Tool	RS1750-ISH-949

## SEA DOO OEM TYPE SPECIALTY TOOLS

For the removal, repair and installation of Sea Doo Superchargers.



**Super Charger Retaining Key**  
Part No. 950-110  
O.E. No. 529-035-949  
All 4 Tec's with Super Chargers



**4-Pin Socket**  
Part No. 950-195  
O.E. No. 529-035-948  
Fits: 4-Tec Supercharged



**Torx Adapter For All Super Charged 4-Tecs**  
Part No. 950-185  
O.E. No. 529-035-938  
Fits: 4-Tec Supercharged



**Support Plate 4-TEC Supercharged Engines**  
Part No. 950-190  
O.E. No. 529-035-947  
Fits: 4-Tec Supercharged



**Ball Bearing Support Pusher**  
Part No. 950-200  
O.E. No. 529-035-950  
Fits: 4-Tec Supercharged



**Camshaft Locking tool**  
Part No. 950-180  
O.E. No. 529-035-839  
Fits: 4-Tec Engines



Sea Doo 215



Sea Doo 255

## R&D RXP/RXP-X/RXT/RXT-X GTX-SC SUPERCHARGER SURGE PROTECTOR KIT

The R&D Surge Protector Kit will significantly improve supercharger clutch and compressor wheel performance and reliability by eliminating compressor surge. Compressor surge is defined as the negative charge of pressure that causes turbulence in the supercharger that occurs during aggressive off-throttle operations. When the throttle valve is abruptly closed at high rpms, the engine decelerates quickly down from 8,000 rpms, however the supercharger is compressing air (creating boost) as the supercharger has to decelerate from 42,000 rpms. This turbulence is the primary cause of undue stress on the supercharger clutch system and its components. The R&D surge protection kit utilizes an automotive vacuum assisted Bosch pressure blow off valve that automatically releases the unwanted intake pressure between the closed throttle valve and the supercharger. As soon as the throttle valve is opened, the blow off valve immediately closes and the compressor can supply its full boost potentials to the engine.

Manufactured from high-temperature silicone hose with an integrated molded riser for the blow off valve to function without hindering intake flow or velocity. The R&D kit installs easily in place of the OEM rubber intake elbow joint. This kit is a very necessary and cost effective up-grade for all Sea Doo supercharged watercraft. Kit comes completely assembled with silicone elbow, blow off valve, R&D B.O.V. filter, mounting hardware and instructions.

Description	Part No.
A. R&D RXP 215, RXT 215, GTX-SC SC Surge Protector Kit	613-95003
B. R&D RXP-X 255, RXT-X 255 SC Surge Protector Kit	613-95255



Sea Doo 255  
\*Kit includes 2 clamps

## R&D RXP-X/RXT-X 255 SILICONE INTAKE HOSE KIT

The R&D Supercharger High Performance Hose Kit was developed while testing the R&D Monster Compressor Wheel Kits. Higher boost pressures create higher intake air temperatures of up to 235 degrees. The O.E.M. standard black rubber hose and standard hose clamps just do not hold up to the pressures and heat like high quality, high temperature silicone hose and high strength stainless steel style hose clamps. The R&D "Blue Hose" is manufactured from high performance, turbo charger quality high temperature silicone.

Description	Part No.
R&D RXP-X/RXT-X 255 Silicone Intake Hose Kit	613-95256



613-95261



613-95262

## R&D GREDDY BLOW-OFF VALVE & 1" HOSE ADAPTER

R&D Greddy Blow-Off Valves are easily adjustable to eliminate compressor surge and preventing premature boost leakage,

while increasing boost response. Each valve is made of durable cast and billet aluminum frame and the valve to diaphragm ratio provides performance that cheap piston types cannot offer. The spring stiffness adjustment screw and the three different sizes give the Greddy user the option to match vehicles with mild upgrades to heavily tuned engines. There are many factors in matching a blow-off valve to an application, valve location, turbocharger-supercharger size and pressure, but as a general rule of thumb, R&D recommends the Type RZ for 100-400hp applications. R&D 1" Hose adapter sold separately.

Description	Part No.
R&D Greddy Blow Off Valve	613-95261
R&D 1" O.D. Hose Adapter	613-95262



Valve only



BOV Kit

## R&D/TIAL 50MM SURGE BLOW-OFF VALVE

Valve kit comes complete with R&D high temperature silicone hose, Tial 50mm blow-off valve, billet aluminum V-clamp, banjo style vacuum fitting, and 1/4" vacuum line.

- Aggressive throttle response, increased horsepower from a better seal
- Increased boost pressures over smaller valves that don't seal well
- Improved valve action with larger diaphragm and variable spring control
- Improved clutch performance from reduced off throttle back pressures
- Precision sequential valve operation
- Installs easy and clean to the O.E.M. intercooler inlet/outlet

Modification required for installation on Sea Doo PWC.

Description	Part No.
R&D/Tial 50mm BOV Valve only	613-95263
R&D/Tial 50mm BOV Kit	612-18009

SEA DOO  
4 STROKE

INATKE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGE

STEERING  
& CONTROLS

BODY

ACCESSORIES

SERVICE TOOLS  
/HARDWARE

CHEMICAL

## RIVA PERFORMANCE BLOW-OFF VALVE KIT

Blow-off Valves help reduce wear and tear on clutch & drive gears of superchargers and eliminate heat soak in discharge tubes. See application chart below.

RIVA Kit Application Chart:

- 255hp Sea Doo Stage II & above: Pro-Series Blow-off Valve Kit (part# RS17081-BOV-SSQV)
- 215hp Sea•Doo Stage III & above: Pro-Series Blow-off Valve Kit (part# RS17081-BOV-SSQV)
- 215hp Sea Doo Stage I & II applications: Performance Blow-off Valve Kit (part# RS17080-BV-PFV)



## RIVA SD 215 SUPERCHARGER BLOW-OFF VALVE KIT FOR OEM ELBOW JOINT INSTALLATION

RIVA's Blow-off Valve Kit improves supercharger reliability and performance by relieving unwanted pressure during off-throttle operation. Reduces supercharger clutch wear and eliminates heat soak in the discharge tube. High-strength silicone hose with integrated blow-off valve installs easily in place of OEM elbow joint. Includes K&N filter to prevent debris from entering valve outlet. A simple and cost effective upgrade for both stock and modified supercharged engines. Includes all necessary mounting hardware and installation instructions.

Description	Part No.
Blow-Off Valve Kit SD 215 RXP/RXT/GTX-SC	RS1750-BV

## HKS SSQV BLOW-OFF VALVE KIT



High quality HKS Blow-Off Valve reduces wear and tear on clutch & drive gears of supercharger and eliminates heat soak in the discharge tube. For use with RIVA Sea Doo Power Cooler Kits. HKS Super SQV (Super Sequential Blow Off Valve)

features unique sequential valve structure and a differential pressure control system, allowing for a broad operation boost range. Includes vacuum line fittings necessary for installation.

Description	Part No.
HKS SSQV Blow-Off Valve Kit	RS17081-BOV-SSQV



## RIVA PERFORMANCE BLOW-OFF VALVE KIT

For use with RS17080-ICUK or RS1751-PC-1 Kits installed on 215hp Sea Doo Stage I & II applications.

Description	Part No.
RIVA Performance Blow-Off Valve Kit	RS17080-BV-PFV

## RIVA SD 215/255 BLOCK-OFF KIT, SD BLOW-OFF VALVE



For use with RS17080-ICUK or RS1751-PC1 Kits.

Description	Part No.
RIVA SD 215/255 Block-Off Kit, SD Blow-Off Valve	RS1750-BVBO



## SEA DOO INTERCOOLER/SUPERCHARGER LUBRICATION KIT

This kit will allow you to spray a aerosol lubricant of your choice into the supercharger, intercooler and throttle body to prevent rust from the excess moisture in the system. Complete instructions, pictures and a diagram supplied for a simple installation.

Description	Part No.
Sea Doo Spray Nozzle Inlet for Lubrication	IWCS-SSU

# SEA DOO 4-STROKE • INTERCOOLER



## RIVA SEA DOO 'GEN-3' POWER COOLER CORE

RIVA's 'GEN-3' Power Cooler is the ultimate intercooler for high performance Sea Doo engines! All new extruded cooler core design delivers excellent thermal efficiency and minimal pressure drops. Perfect for use in high boost supercharged and turbo applications. Precision machined billet water tanks hold up to high pressure cooling systems that can cause original coolers to fail. This is a direct high performance replacement for all Sea Doo external intercoolers. **Requires use of RXP-X/RXT-X 260 intercooler tubing upgrade kit (RS17090-TK).**

### Key Features Include:

- Cooler & denser air charge produces more horsepower.
- Large cooler element rated for 450HP.
- Replaceable sacrificial zinc anode protects cooler element from corrosion.
- Integrated flushing system keeps Power Cooler at peak performance.

### APPLICATIONS:

- Direct replacement for smaller OEM 2011-12 external intercoolers.
- Direct replacement for all OEM 2010 and prior external intercoolers.
- Compatible upgrade for RIVA 'GEN-2' Power Cooler Kit (RS1751-PC).

Description	Part No.
RIVA SD 'Gen-3' Power Cooler Core 255/260	RS1752-PC-I

*See next page for intercooler tubing upgrade tubing kit*



## RIVA SEA DOO POWER COOLER KIT

Presenting the ultimate aftermarket intercooler system for the Sea Doo 215hp engine! The RIVA 'GEN-2' Power Cooler is the next generation intercooler system featuring a new "oversized" cooler element for maximum efficiency. Delivers an increase of 18 peak horsepower over original intercooler providing arm-wrenching results on the water. The 'GEN-2' Power Cooler features a large, unrestricted core that exhibits minimal pressure loss. The cooling element is dramatically more efficient than the stock unit with exit temperatures averaging 50°F cooler than stock. This delivers cooler, denser air for increased performance throughout the RPM range. Includes integrated blow-off valve mount that will accept RIVA Blow-Off Valve kits (sold separately) for improved supercharger reliability and performance, dedicated flush point and sacrificial anode. Use of Blow-Off Valve also reduces supercharger clutch wear and eliminates heat soak in discharge tube. Power Cooler Kit contains all necessary mounting hardware and installation instructions.

Requires use of **RIVA Rear Exhaust Kit (RS15050-1)** and **RIVA O.P.A.S. Block-off Kit Performance (RS29050-1)** or **Pro-Series (RS29950, RS29985)**. Fits 2004~2010 non-iControl Models.

### RIVA Blow-Off Valve Kit Application Chart:

- 215hp Sea Doo Stage I & II: **RIVA Performance Blow-Off Valve Kit (RS17080-BV-PFV)**
- 215hp Sea Doo Stage III & above: **RIVA Pro-Series Blow-Off Valve Kit (RS17081-BOV-SSQV)**
- **RIVA BLOW-Off Valve Block-off Kit (RS17050-BVBO)**

Description	Part No.
RIVA Gen-II Power Cooler Kit SD215	RS1751-PC-I

## RIVA RACING 2011-12 RXT/RXT-X STAGE 1 KIT

### SEA DOO 2011-12 RXT-X/RXT 260

#### PERFORMANCE DATA

Stock (U.S. Model) 67 MPH @ 7,900 – 8,000 RPM  
 Stock (International Model) 69 MPH @ 7,900 – 8,000 RPM

**Stage 1 72 MPH @ 7,900 – 8,000 RPM**

Note: All testing performed with 1/3 tank of fuel; trim neutral. Stock ECU limits peak RPM for first 5 hours of operation. All top speeds measured after 5 hour break-in period.

#### Stage 1 Performance Parts

Description	Quantity	Part No.
Performance Power Filter Kit	1	RS13100
Speed Control Override Module	1	RS11090-SCOM-YEAR
Catch Can/Engine Breather Upgrade Kit	1	RS19050-BCC
R-Series Concord Impeller	1	SRX-CD-15/20R

## RIVA RACING 2010 RXT-X STAGE 1 KIT

### SEA DOO 2010 RXT-X 260

#### PERFORMANCE DATA

Stock (U.S. Model) 67 MPH @ 7,900 – 8,000 RPM  
 Stock (International Model) 69 MPH @ 7,900 – 8,000 RPM

**Stage 1 72 MPH @ 7,900 – 8,000 RPM**

Note: All testing performed with 1/3 tank of fuel; trim neutral. Stock ECU limits peak RPM for first 5 hours of operation. All top speeds measured after 5 hour break-in period.

#### Stage 1 Performance Parts

Description	Quantity	Part No.
Performance Power Filter Kit	1	RS13100
Speed Control Override Module	1	RS11090-SCOM-YEAR
Catch Can/Engine Breather Upgrade Kit	1	RS19050-BCC
R-Series Concord Impeller	1	SRX-CD-15/22R

SEA DOO  
4 STROKE

WATKIE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGE

STEERING  
& CONTROLS

BODY

ACCESSORIES

SERVICE TOOLS  
/HARDWARE

CHEMICAL



## RIVA OEM INTERCOOLER UPGRADE KIT 255HP

RIVA intercooler Upgrade Kit for the new RXP-X & RXT-X relocates the original intercooler and significantly improves efficiency of the system with upgraded components.

Key benefits include:

- Relocation of original intercooler: By strategically moving original intercooler, we have greatly improved access to engine compartment. Relocation also allows installation of key performance parts including RIVA Rear Exhaust Kit (RS15050-1) & RIVA Pro-Series Power Filter Kit (RS13056).
- Precision formed aluminum tubing: The high strength aluminum tubes are shorter than original to minimize boost loss. Also, the rigid aluminum will not swell under pressure like original soft rubber hoses providing improved throttle response.
- Integrated blow-off valve mount: Intercooler tubing includes mount for RIVA Pro-Series Blow-Off Valve Kit (RS17081-BOV-SSQV) or RIVA Blow-Off Valve Block-off Kit (RS17050-BVBO); both sold separately. Kit includes sturdy aluminum intercooler mounting bracket, high strength mandrel bent aluminum tubing and all necessary mounting hardware & installation instructions. Requires installation of RIVA Rear Exhaust Kit (RS15050-1) and RIVA Performance OPAS Block-off Kit (RS29050-1).

Description	Part No.
RXP-X/RXT-X Stock Intercooler Upgrade Kit	RS17080-ICUK



## RIVA SEA DOO RXP-X/RXT-X 260 INTERCOOLER TUBING UPGRADE KIT

RIVA's Intercooler Tubing Upgrade Kit significantly improves the performance & reliability of your intercooler system. This is an essential upgrade for all racing and recreational performance craft.

Key features include:

- Precision formed aluminum tubing: High strength aluminum tubes are shorter than original to minimize boost loss. Rigid aluminum will not swell under pressure like original soft rubber hoses providing improved throttle response & reliability.
- Integrated blow-off valve mount: Intercooler tubing includes mount for HKS Blow-Off Valve Kit (RS17081-BOV-SSQV) or RIVA Blow-Off Valve Block-off Kit (RS1750-BVBO); both sold separately. Use of blow-off valve reduces wear and tear on clutch & drive gears of supercharger and eliminates heat soak in discharge tube.
- High quality silicone couplers & stainless steel clamps.

Fits all 09-12 Sea Doo craft with S3 hulls (RXT/GTX S3 models) along with 2012 RXP-X 260 T3 hull. Requires use of RIVA 'GEN-3' Power Cooler (part# RS1752-PC) or OEM `08-10 Sea Doo 255/260 intercooler. Not compatible with smaller 11-12 OEM intercoolers.

Description	Part No.
RIVA RXP-X, RXT-X 260 Intercooler Tubing Upgrade Kit	RS17090-TK





## R&D 215HP RXP/RXT EXHAUST MANIFOLD X-TENDER KIT

The R&D Exhaust X-Tender Kit allows the exhaust to be extended 1.5 inches which will move the water muffler back 1.5 inches creating enough room to be able to change out a supercharger (Hot) in 5 minutes. No more hassling with extremely hot exhaust pipes, water mufflers and V-band clamps! The X-TENDER kit installs easily using an additional V-band clamp. Install the R&D Exhaust X-TENDER kit in place and never hassle a supercharger change out again. Once installed and used you will wonder why the factory didn't build it this way! The R&D kit will install directly to all RXT/RXP/GTX supercharged model Sea Doo's using O.E.M. BRP hardware.

Description	Part No.
Exhaust Manifold X-Tender Kit RXP, RXT 215HP	613-95004



## R&D RXP-X/RXT-X EXHAUST MANIFOLD X-TENDER / O2 SENSOR MOUNT KIT

The R&D High Performance Exhaust Manifold X-Tender with O2 Sensor Mount Kit is a creative and unique product that was designed and developed while testing the R&D Superclutch and new R&D High Performance Compressor Wheels. The Sea Doo supercharger and exhaust systems parts and "J" pipe are extremely difficult to get to and handle when they are extremely hot, and the exhaust systems "J" pipe that must be removed can be tricky on a cold engine. R&D needed to be able to remove and replace the supercharger in five minutes to be able to test products back to back in a timely manner, as well as the same day for accurate testing data. The R&D Exhaust X-Tender Kit allows the exhaust to be extended 2 inches which will move the water muffler back 2 inches creating enough room to be able to change out a supercharger (Hot) in 5 minutes. No more hassling with extremely hot exhaust pipes, water mufflers and V-band clamps! An additional bonus is the oxygen sensor mount incorporated into the X-Tender, allowing quick and easy installation of an AFR Gauge (Air/Fuel Ratio) for properly tuning the X power plant. The X-Tender kit installs easily using an additional OEM V-band clamp. Install the R&D Exhaust X-Tender kit in place and never hassle a supercharger change out again. Once installed and used you will wonder why the factory didn't build it this way! The R&D X-Tender is manufactured from the highest grade stainless steel exhaust material available. The R&D kit will install directly to all Sea Doo X supercharged models using O.E.M. BRP hardware. You will need to purchase an extra OEM V band clamp. One is not provided.

Description	Part No.
R&D Exhaust Manifold X-Tender / O2 Sensor Mount Kit RXP-X, RXT-X	333-80155



## R&D RXP-X/RXT-X 255HP MODEL FREE-FLOW EXHAUST

The new R&D Free-Flow Exhaust Kit eliminates the power robbing sound suppression system allowing the exhaust to travel out of the water box with zero restriction and back pressure. Improves acceleration and top speed.

Description	Part No.
R&D RXP-X/RXT-X 255HP Model Free-Flow Exhaust	333-80255



## R&D BILLET EXHAUST OUTLET

The new R&D Billet Exhaust Outlet.

Description	Part No.
R&D 3" Diameter R&D Billet Exhaust Outlet	331-30000
R&D 2.75" Diameter R&D Billet Exhaust Outlet	331-32750



## R&D HIGH TEMPERATURE SILICONE COUPLINGS

Description	Part No.
3" - 3" High Temp Silicone Couplings	061-30030
3" - 2" Reducer High Temp Silicone Couplings	061-32500
2.75" - 2.5" Reducer High Temp Silicone Couplings	061-32501
3" - 2.75" Reducer High Temp Silicone Couplings	061-32750



2012 IJSBA HOT PRODUCTS MARK HAHN MEMORIAL HAVASU 300 ENDURANCE RACE IN LAKE HAVASU CITY, ARIZONA  
MACC RACING 2011 SEA DOO RXT-X

SEA DOO 4 STROKE	NAKKE SYSTEMS	ENGINE/ GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES SERVICE TOOLS /HARDWARE	CHEMICAL
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# SEA DOO 4-STROKE • EXHAUST



## RIVA PRO-SERIES SEA DOO WATER BOX

RIVA's Pro-Series Sea Doo Water Boxes deliver increased horsepower and performance by reducing exhaust restriction and back pressure. Developed on a flow bench, these water boxes feature radiused exhaust tubes and end caps for optimum exhaust flow. Innovative short design allows easy servicing of supercharger without removal of exhaust system. High strength aluminum construction & precision welds will survive backfires & overheating. Powder coated to prevent corrosion. Includes detailed installation instructions.

### Important Notes:

Will directly replace and upgrade RIVA Rear Exhaust Kit utilizing existing rear exhaust outlet installation.

If rear exhaust has not been installed order our [Rear Exhaust Outlet Coupler Kit](#) (part# RS16082-ECK) and RIVA Rear Exhaust Outlet Kit (part# RS15050-ET) to complete the installation.

Requires use of RIVA O.P.A.S. Block-off Kit ([Performance](#) or [Pro-Series](#)).

Description	Part No.
SD 2012 RXP-X 260 (T3 Hull)	<b>RS16111</b>
SD S3 (non iS & aS)	<b>RS16101</b>
SD S3 (iS & aS)	<b>RS16091</b>
SD 08 and Newer 255/215hp (non-iControl)	<b>RS16081</b>
SD 07 and Older 215hp (non iControl)	<b>RS16082</b>



## RIVA REAR EXHAUST OUTLET KIT FOR AFTERMARKET INTERCOOLER OR WATERBOX

Kit allows you to relocate exhaust outlet to rear of craft when using aftermarket intercooler systems or water boxes. Includes billet through-hull exhaust outlet and OE exhaust outlet block-off along with all necessary mounting hardware. Fits all RXP/RXT/GTX/RXP-X/RXT-X Supercharged models.

Description	Part No.
Rear Exhaust Outlet Kit SD 215/255 Models	<b>RS15050-ET</b>



## RIVA REAR EXHAUST STOCK OUTLET COUPLER KIT

Used when installing RIVA Pro-Series Aluminum Water Boxes in Sea Doo RXP-X, RXT-X, RXP, RXT & GTX-SC models that have the stock exhaust outlet in place. High temperature silicone coupler and stainless steel hose clamps connect water box outlet tube with thru-hull outlet flange.

Description	Part No.
RIVA Rear Exhaust Outlet Coupler Stock Kit	<b>RS16082-ECK</b>

## SEA DOO MODEL-HULL REFERENCE CHART

Model	Year	SC*	Hull	Notes
GTI 130	2006-10	N/A	GTI	Version 1 of 4-TEC GTI hull
GTI 130	2011-12	N/A	GTI	Version 2 of 4-TEC GTI hull
GTI LTD 155	2011-12	N/A	GTI	Version 2 of 4-TEC GTI hull
GTI SE 155	2007-10	N/A	GTI	Version 1 of 4-TEC GTI hull
GTI SE 155	2011-12	N/A	GTI	Version 2 of 4-TEC GTI hull
GTI ST2 130	2006-10	N/A	GTI	Version 1 of 4-TEC GTI hull
GTI ST2 130	2011-12	N/A	GTI	Version 2 of 4-TEC GTI hull
GTR 215	2012	SC	GTI	Version 2 of 4-TEC GTI hull
GTS 130	2011-12	N/A	GTI	Version 2 of 4-TEC GTI hull
GTX 155	2005-09	N/A	GTX	Original 4-TEC GTX hull
GTX 155	2010-12	N/A	S3	S3 with iBR
GTX 215	2005-12	SC	GTX	Original 4-TEC GTX hull
GTX 255	2004	SC	GTX	Original 4-TEC GTX hull
GTX 4 TEC	2002-04	N/A	GTX	Original 4-TEC GTX hull
GTX 4-TEC SC	2003-04	SC	GTX	Original 4-TEC GTX hull
GTX 4-TEC TOW	2003-04	N/A	GTX	Original 4-TEC GTX hull
GTX IS 215	2011	SC	S3	S3 with iBR
GTX IS 255	2009	SC	S3	S3 with iBR
GTX LTD 215	2005-08	SC	GTX	Original 4-TEC GTX hull
GTX LTD 260	2010-12	SC	S3	S3 with iBR
GTX S155	2012	N/A	S3	S3 with iBR
GTX SC 215	2005-09	SC	GTX	Original 4-TEC GTX hull
RXP 155	2007-08	SC	RXP	Original RXP hull short intake duct
RXP 215	2004-10	SC	RXP	Original RXP hull short intake duct
RXP-X 255	2008-11	SC	RXP	Original RXP hull longer intake duct
RXP-X 260	2012	SC	T3	All new T3 with iBR
RXT 215	2005-10	SC	GTX	Original 4-TEC GTX hull
RXT 260	2011-12	SC	S3	S3 with iBR
RXT 260 aS	2011	SC	S3	S3 with iBR
RXT IS 255	2009	SC	S3	S3 with iBR
RXT IS 260	2010-12	SC	S3	S3 with iBR
RXT-X aS 260	2012	SC	S3	S3 with iBR New sponsons/trim tabs
RXT-X 255	2008-10	SC	S3	S3 with iBR
RXT-X 260	2011-12	SC	S3	S3 with iBR
WAKE 155	2005-09	N/A	GTX	Original 4-TEC GTX hull
WAKE 155	2010	N/A	GTI	Version 1 of 4-TEC GTI hull
WAKE 155	2011-12	N/A	GTI	Version 2 of 4-TEC GTI hull
WAKE 215	2007-10	SC	GTX	Original 4-TEC GTX hull
WAKE 215	2011-12	SC	S3	S3 with iBR

\*SC is Supercharged, N/A is Naturally Aspirated

A. RS15050



B. RS15100



## RIVA REAR EXHAUST KITS FOR OEM INTERCOOLER AND OEM WATER BOX UTILIZING STRAIGHT EXHAUST OUTLET

Our rear exhaust kit delivers performance and cutting-edge style. Allows for removal of restrictive sound suppression system located between water box and hull exit. Improves engine performance by reducing back pressure and restriction. Includes mandrel bent aluminum exhaust tube that is powder coated to prevent corrosion, large billet through-hull exhaust outlet, billet OEM exhaust outlet block-off and high-temp silicone couplers along with all necessary mounting hardware & installation instructions.

**NOTE:** Removal of O.P.A.S. and installation of RIVA Performance O.P.A.S. Block-off Kit is necessary to accommodate installation of RIVA Rear Exhaust Kit. RXP-X & RXT-X models require use of OEM Intercooler Upgrade Kit along with OPAS Block-Off Kit.

Description	Part No.
A. Rear Exhaust Kit 255/215hp (non iControl)	RS15050-1
B. Rear Exhaust Kit RXT-X 260 (non iS & aS)	RS15100-1
Rear Exhaust Kit RXT, GTX iS & aS All	RS15090
Rear Exhaust Kit RXP-X 260 (T3)	RS15110



## RIVA REAR STORAGE BUCKET FOR iS/aS MODELS USING RIVA REAR EXHAUST KIT PART # RS15100-1

The RIVA rear storage tub for Sea Doo S3 iS & aS models allows installation of RIVA Rear Exhaust Kit (RS15100-1) or RIVA Pro-Series Water Box (RS16091). Replaces OEM storage tub creating clearance for performance components while sealing craft from water intrusion.

- Required when installing RIVA Rear Exhaust Kit (RS15100-1) on Sea Doo S3 iS/aS suspension models.
- Required when installing RIVA Pro-Series Water Box (RS16091) on Sea Doo iS/aS suspension models hull outlet flange.

Description	Part No.
RIVA Rear Storage Bucket for iS/aS Models using RIVA Rear Exhaust Kit Part # RS15100-1	RS15090-RSB



C. RS16050-01-04/07  
RS16055-05/07  
RS16090



D. RS16080

## RIVA FREE FLOW EXHAUST KITS FOR OEM INTERCOOLER AND OEM WATER BOX UTILIZING STOCK SIDE EXHAUST OUTLET

Replaces the restrictive sound suppression system located between the water box and hull exit on your watercraft. Improves engine performance by reducing back pressure and harmful detonation. Includes mandrel bent aluminum tubing that is powder coated to prevent corrosion, high-temp silicone replacement coupler and installation instructions.

Description	Part No.
C. Free-Flow Exhaust Kit RXP 215 (04-06)	RS16050-01-04
C. Free-Flow Exhaust Kit RXP 215 (07-09)	RS16050-01-07
C. Free-Flow Exhaust Kit RXT 215 (05-06)	RS16055-01-05
C. Free-Flow Exhaust Kit RXT 215 (07-08)	RS16055-01-07
C. Free-Flow Exhaust Kit all Sea Doo models with S3 & T3 Hulls including RXT-X 260, iS & aS units	RS16090
D. Free-Flow Exhaust Kit RXP-X, RXT-X 255 (08-11) (non iControl)	RS16080



2012 IJSBA HOT PRODUCTS MARK HAHN MEMORIAL HAVASU 300 ENDURANCE RACE IN LAKE HAVASU CITY, ARIZONA  
CHRIS MACCLUGAGE - MACC RACING SEA DOO

SEA DOO 4 STROKE  
 INTAKE SYSTEMS  
 ENGINE/ GASKETS  
 EXHAUST  
 DRIVE LINE HANDLING  
 ELECTRICAL  
 WATERLINE /BILGE  
 STEERING & CONTROLS  
 BODY  
 ACCESSORIES  
 SERVICE TOOLS /HARDWARE  
 CHEMICAL



## RIVA/ATHENA PRO-SERIES SEA DOO ICONTROL ECU

The RIVA/ATHENA Pro-Series iControl ECU provides a huge performance advantage to Sea Doo iControl models delivering over 40hp to the stock 4-TEC engine. ECU is fully programmable with either RIVA supplied mapping or user adjustable parameters. Most

calibrations require use 91+ octane pump fuel. Plugs directly into factory wiring harness via waterproof connectors.

### Key Features Include:

1. Easy loading of supplied calibrations/maps for various performance applications.
  - Performance Fuel Mapping: Delivers optimal fuel required for your specific level of modification based on boost pressure.
  - Performance Timing Curves: Special racing curves produce more power throughout the RPM range.
  - Rev Limiter Increase: Stock rev limit can be increased so engine RPM can be run higher producing more boost pressure and horsepower. Boost Control for turbo applications. (Plug & play connector for wastegate solenoid).
2. Ability to customize RIVA calibrations for special applications. Using supplied software, user can adjust parameters such as Fuel, Timing, Rev Limiter & Boost Control.
3. Retains all iControl functions.
4. Retains all OEM dash display functions & engine safety functions.
5. Provides diagnostic information that can be displayed via computer interface.
6. Includes plug & play connector for RIVA Dash/Logger unit (RY11840-LD-MD60).
7. Includes plug & play connector for optional Lambda sensor kit (part# RY11540-LC1-6S5) for data logging air/fuel ratios & tuning functions.
8. Individual Cylinder Knock Control function protects engine. System identifies which cylinder is detonating by tracking firing order utilizing OEM knock sensor.
9. User selectable dual calibration capacity.

**NOTE: RIVA Pro-Series ECU is for competition use only.**

Description	Part No.
RIVA Pro-Series Sea Doo iControl ECU	RS11890-ECU-HFPWC



## RIVA/ATHENA DASH LOGGER

The new RIVA/ATHENA Dash Logger allows you to monitor and log all critical engine functions along with internal GPS driven speed data. This completely waterproof unit plugs directly into RIVA/ATHENA ECU's and is compact enough to mount on handlebar cross-bar via optional mounting pad. Large easy-to-read backlit display provides data on user friendly selectable screens. All displayed engine & GPS data is logged for review through convenient computer download via USB port. GPS Track mapping function displays "live" lap times and related functions for buoy course training purposes. Features LED warning lights to notify operator of major engine concerns.



### Key Features Include:

- Large easy-to-read backlit screen.
- Compact design allows handlebar mount with optional mounting pad.
- Rugged waterproof construction.
- Built in GPS provides speed & position info.
- Plugs directly into RIVA/ATHENA ECU with waterproof connector.
- Operates in unison with factory dash display.
- Selectable display modes include 3 user definable pages for custom data display.
- Easy to download "data file" allows review of engine functions & GPS data.
- Logger memory holds last 60 minutes of operation.
- Displays & logs the following data:
  - GPS Speed • Knock level • Oil Pressure
  - RPM • Engine Temperature • Number of satellites aquired
  - Boost Pressure • Intake Air Temperature • Lambda
  - Throttle Position Sensor • Exhaust Manifold Temperature
- Displays & logs MIN/MAX values of all data.
- GPS Track mapping displays & logs lap times.
- LED warning lights notify operator of engine concerns.

Description	Part No.
RIVA/Athena Pro-Series Sea Doo ECU	RY11840-LD-MD60



## ELME TOOLS SEVED PRO HARDWARE

- Portable and autonomous, it does not need to be plugged to any other machine
  - No PC or power connector is needed to service the PWC
  - Key Programming
  - Full Specialized technical support
- Program updates are received via the internet. The dongle system allows this, and cables and dongles are included with each program. Program updates are free.



Description	Part No.
Seved Pro Hardware Base Unit	SEVED PRO
BRP Diagnostics Program	ADS400
BRP Key Programming	ADS401
Kawasaki Diagnostic Program	ADS402
Mercruiser Diagnostic Program	ADS403
Yamaha Diagnostic Program	ADS404
Hydrospace/Benelli	ADS405
Seved Pro Hardware Base Unit	PWCPAK
+ADS400+ADS401+ADS402+ADS404+ADS405 (excludes ADS403)	
Seved Pro Hardware Base Unit	FULLPAK
+ADS400+ADS401+ADS402+ADS403+ADS404+ADS405	

Picture is for reference only. Colors may vary.

# SEA DOO 4-STROKE • ENGINE



## RIVA SEA DOO PRO-SERIES ECU

RIVA's Pro-Series Racing ECU delivers a huge performance advantage to the Sea Doo 255 & 215 Supercharged Intercooled engines. ECU is calibrated for Stage II & III applications and must be used with RIVA Pro-Series 50lb Fuel Injector Kit, RIVA Valve Train Upgrade Kit and 91+ octane pump fuel.

Plugs directly into factory wiring harness in place of stock ECU.

### Key Benefits Include:

- Performance Fuel Mapping: Delivers optimal fuel required for your specific level of modification (Stage II or III) based on boost pressure.
- Performance Timing Curves: Special racing curves produce more power throughout the RPM range. Timing is automatically adjusted based on sensor input.
- Rev Limiter Increase: Stock rev limit has been increased from 8,300 to 8,650 RPM. With the recommended pump combination, engine RPM can be run higher producing more boost pressure and horsepower.
- Practice Key: In addition to normal "full power" key, a 60 MPH "practice" key can be programmed by BRP dealer BUDS system to limit speed for racecourse practice. ECU does not support original "learning" key mode.
- Retains Engine Diagnostic & Primary Safety Functions:
  - 1) Provides diagnostic information displayed on dash instrumentation along with more detailed data through BRP dealer B.U.D.S. system.
  - 2) Sensor input is monitored for abnormal readings and will react by triggering warnings and/or limp mode.

*\*NOTE: This product is for competition use only. Must be used with RIVA Pro-Series 50lb Fuel Injector Kit (part #RS12050-I-KIT-50) RIVA Valve Train Upgrade Kit and 91+ octane pump fuel. Unit must be activated in watercraft by an authorized BRP dealer using BUDS system. Activation by RIVA Racing available with customer supplied throttle body. Installation of this racing product will void BRP factory warranty.*

Description	Part No.
RIVA Pro-Series ECU 08 255 RXP-X, RXT-X, 07-08 215 RXP/RXT	RS11850-01-C
Pro-Series 50lb Injector Kit SD 255/215	RS12050-I-KIT-50
Sea Doo 4-Tec (All) Valve Train Upgrade Kit	RS19050-VTU



## RIVA SEA DOO SPEED CONTROL OVERRIDE MODULE

The RIVA Speed Control Override Module removes the restrictive GPS speed control function on Sea Doo iControl models delivering significant increases in top speed with stock ECU. Easy to install module allows system to start in "Sport Mode" for maximum performance. "Touring Mode" can be manually selected after start up.

### Key Features:

- Removes GPS controlled speed limiter.
  - Increases top speed utilizing stock ECU.
  - Works on all 2010 & newer iControl models.
  - U.S. models will gain 3mph with aftermarket pump impeller.
- 2012 RXP-X 260 models: Stock Pump Impeller  
 All 2012-11 RXT & GTX 260 models: SRX-CD-15/20R  
 All 2010 RXT & GTX 260 models: SRX-CD-15/22R
- Allows further top speed gains through aftermarket modifications.
  - Allows system to start in "Sport Mode".
  - All original dash functions are retained.
  - Easy plug-in installation.

**NOTE: Stock ECU limits peak RPM for first 5 hours of operation. Top speed increases should be measured after 5 hour break in period.**

Description	Part No.
2010 Speed Control Override Module	RS11090-SCOM-10
2011-12 Speed Control Override Module	RS11090-SCOM-11



## TORX® SOCKET SET FOR SEA DOO ENGINES

Special Star Sockets for Sea Doo 4-TEC & DI engine bolts are made from heat-treated vanadium steel and black oxide coated for durability. Supplied in a convenient vinyl socket holder.

- Four 3/8" Drive Sockets (T10, T12, T14, T16)
- Three 1/4" Drive Sockets (T6, T7, T8)

Description	Part No.
Torx Socket Set	LS26750

2012 IJSBA HOT PRODUCTS MARK HAHN MEMORIAL HAVASU 300 ENDURANCE RACE IN LAKE HAVASU CITY, ARIZONA GLEN PERRY OF SKAT-TRAK AND HIS SON ANDREW PERRY

SEA DOO 4 STROKE	SEA DOO 4 STROKE
NAKKE SYSTEMS	NAKKE SYSTEMS
ENGINE/GASKETS	ENGINE/GASKETS
EXHAUST	EXHAUST
DRIVE LINE HANDLING	DRIVE LINE HANDLING
ELECTRICAL	ELECTRICAL
WATERLINE /BILGE	WATERLINE /BILGE
STEERING & CONTROLS	STEERING & CONTROLS
BODY	BODY
ACCESSORIES	ACCESSORIES
SERVICE TOOLS /HARDWARE	SERVICE TOOLS /HARDWARE
CHEMICAL	CHEMICAL



## RIVA RISING RATE FUEL PRESSURE REGULATOR KIT

RIVA's Fuel Pressure Regulator Kits provide the precision pressure control necessary to compliment a variety of performance applications. Kits are fully assembled & mount securely via sturdy stainless steel bracket. High quality billet pressure regulator can adjust base pressure from 25 to 80 PSI. Unit can also be set up as rising rate fuel pressure regulator at a 1 to 1 ratio providing one additional pound of fuel pressure for every pound of boost gain. Plugs directly into original fuel system with OEM connectors and features a large 3/8" fuel return line. Includes integrated liquid-filled pressure gauge and billet Fuel Pressure Regulator Block-off necessary for removal of stock fuel pressure regulator.

Key Features Include:

- Precision fuel pressure control with optional rising rate function.
- High quality stainless steel liquid-filled pressure gauge.
- Large 3/8" fuel return line.
- Billet Fuel Pressure Regulator Block-off.
- Easy bolt-on installation with OEM fuel connectors.
- Complete installation instructions & tuning guide.

Description	Part No.
RIVA Fuel Regulator Kit - 07 & Older 215	RS12050RRFPR07
RIVA Fuel Regulator Kit 08 & Newer 215/255 (except i-Control)	RS12050RRFPR08



## RIVA/WILSON BILLET INTAKE MANIFOLD

RIVA's billet aluminum intake manifold delivers superior performance & reliability through improved flow characteristics and bulletproof construction. Engineered by Wilson Manifolds, the leader in racing intake manifold design, this part directly replaces the original plastic manifold that is prone to fail in high boost supercharged and turbo applications. Advanced runner and plenum design compliments all performance engine configurations. Improved cylinder sealing flange utilizes OEM O-ring seals. Includes universal mount for OEM & aftermarket ECU's. Manifold features ports for optional nitrous injection along with mounts for stock sensors. CNC machined and assembled in the USA by Wilson Manifolds exclusively for RIVA Racing.

*\*Available early Summer 2012*

Key Features Include:

- Designed for high boost supercharged & turbo applications.
- Superior sealing flange utilizes OEM O-rings.
- Direct replacement for original plastic intake manifold.
- Advanced runner & plenum design out performs stock manifold.
- Accepts universal ECU mount for OEM & aftermarket ECU's.
- Ports for optional nitrous injection.
- Accommodates all stock sensors.

Description	Part No.
RIVA/Wilson Billet Intake Manifold	RS12050-BIM
All 215/255/260 4-Tec Engines	
RIVA/Wilson Billet Intake Manifold Fuel Rail	RS12050-FR-BIM
(Not included in RS12050-BIM)	



## INNOVATE LC-1 WIDEBAND AIR/FUEL RATIO KIT

Professionally tune your engine with complete confidence. The LC-1 is more accurate than conventional designs costing many times as much, and its self

calibrating circuitry can compensate for changes in temperature, altitude and sensor condition. The LC-1 is ideal for applications such as Dynos, Data Acquisition, Standalone ECUs, piggyback fuel controllers, OBD-II software or chip programmers and gauges. This Innovate kit comes complete with the patented award-winning LC-1 Wideband Controller with a sealed cable, DB-Blue digital Gauge, Bosch 5-wire Wideband O2 Sensor, Bung/Plug Kit, Software CD, and quick start guide. Take the guess work out of tuning, recommend by R&D to tune all high performance 4-stroke watercraft.

Description	Part No.
Innovate LC-1 Wideband Air/Fuel Ratio Kit	900-04378



RS12050-I-KIT-50



RS12090-I-KIT-100

## RIVA PRO-SERIES FUEL INJECTOR KITS

Description	Part No.
100lb p/hr - All iControl Models	RS12090-I-KIT-100
50lb p/hr - 255/215 non iControl Models	RS12050-I-KIT-50
42lb p/hr - 215 non iControl Models	RS12050-I-KIT-42-1



## SEA DOO POWERSHOT ADJUSTABLE FUEL TUNER

The R&D Powershot fuel injection tuner will deliver increased horsepower, acceleration, and stronger mid-range performance by delivering a higher performing air to fuel ratio (A.F.R.) to the engine. Many of today's high

performance fuel injected four stroke muscle craft have a lean A.F.R. R&D Performance has tested, documented, and analyzed the O.E.M. fuel maps on every current fuel injected four stroke watercraft, and pre-programmed and coded the new R&D Powershot fuel injection control module to safely alter the O.E.M. fuel map to a higher performing and safer A.F.R. (richer). More horsepower, greater acceleration and stronger mid-range are the result when the proper A.F.R. is achieved and is tuned for optimum performance.

The R&D Powershot is fully adjustable on the fly (with the engine running, observed and tuned while riding), and will accommodate a wide range of adjustability to properly performance tune the A.F.R. for any combination of aftermarket parts. The R&D Powershot will add horsepower, reliability, and adjustability to any electronic fuel injected two or four stroke watercraft engine.

Description	Part No.
R&D RXP/RXT 215HP Powershot Adj. Fuel Tuner	803-95002
R&D RXP-X/RXT-X 255HP Powershot Adj. Fuel Tuner	803-95003



## RIVA PRO-SERIES 4-STROKE CYLINDER HEAD GASKETS

RIVA's Pro-Series Cylinder Head Gaskets were devel-

oped to withstand severe heat & pressure generated by high-boost and high horsepower applications delivering maximum reliability to your racing engine. Key Benefits Include:

- Three layer stainless construction for durability & corrosion resistance.
- Viton coated & embossed surfaces for maximum sealing.
- Unique design promotes even torque & requires no re-torque.

Description	Part No.
RIVA Sea Doo 260/255/215 Pro-Series Head Gasket (Standard Bore)	RS10050CHG1503

## COMETIC SEA DOO 4-TEC OEM REPLACEMENT HEAD GASKET

Description	Part No.
Cometic Sea Doo 4-Tec Head Gasket (101mm Bore)	C6223

\*Available up to 103mm bore

## GASKET TECHNOLOGY SEA DOO 4-TEC GASKETS & GASKET KITS

Description	OEM No	Part No.
Aluminum Washer Kit	----	6943K
4-Tec Top End Gasket Kit	----	6980K
4-Tec Complete Gasket Kit With Seals	----	6990K
Head	420950770	6900*
Valve Cover	420950820	6905*
Oil Pump Housing	420950970	6910*
Oil Separator Cover	420630540	6915*
Timing Drive Cover	420931130	6920*
Oil Seal	420650310	6956
Output Sleeve Seal	420630550	6958
Oil Pump O-Ring	420631480	6959
Intake O-Ring - 3 Required	420950740	6960
Intake O-Ring Kit	----	6961K
Seal Kit	----	6962K

\* Denotes when the gasket is included in the Top End Gasket set.

## WSM SEA DOO 4-TEC COMPLETE GASKET KIT

WSM Sea Doo 4-Tec Gasket Kit includes outer oil seal and are an economical solution to OEM gasket kits.

Description	Part No.
WSM Sea Doo Complete Gasket Kit	007-626
WSM Sea Doo 4-Tec Head Gasket	007-399-05

SEA DOO 4 STROKE

NAKKE SYSTEMS

ENGINE/ GASKETS

EXHAUST

DRIVE LINE HANDLING

ELECTRICAL

WATERLINE /BLIGE

STEERING & CONTROLS

BODY

ACCESSORIES

SERVICE TOOLS /HARDWARE

CHEMICAL

# SEA DOO RXP RXP-X RXT RXT-X • INTAKE



## CP SEA DOO PISTON KITS

Description	Piston	Piston Pin	Locks	Rings
100mm standard bore (1494cc) 8.4:1	M9032	905-2250-19CP3C	905-073SWL	CPND30-3937
100mm standard bore (1494cc) 9.5:1	M9039	905-2250-19CP3C	905-073SWL	CPND30-3937
<b>Overize Pistons</b>				
100.25mm +.25mm overize (1501cc) 8.4:1	M9033	905-2250-19CP3C	905-073SWL	SWF20064-3
100.25mm +.25mm overize (1501cc) 9.5:1	M9040	905-2250-19CP3C	905-073SWL	SWF20064-3

\*Sold 3 piston kits per set.

\*\*Piston sold complete with: rings, piston pin and locks



## WISECO SEA DOO PISTON KITS 2004-2010 RXP/RXP-X/RXT/RXT-X

### Features

- Dedicated forging
- Stock Compression
- Dome design
- Chrome plated piston pin
- Horizontal slot pin oiling
- Pressure seal groove
- Skirt Coated
- Dedicated rings

### Benefits

- Light weight, superior strength, optimized design
- Matches OEM compression ratio
- Improved flame travel to maximize air/fuel burn efficiency
- Reduced friction, improved scuff resistance
- Improved lubrication, better pin oiling, reduced friction
- Maximum ring seal
- Reduced friction, quieter operation, improved scuff resistance
- Optimized for each application, lightweight, high performance, better oil control

Sea Doo Model	Years	Bore Size (mm)	Piston Kit Number	Replacement Ring Set	Pins & Clips
RXP 215	2004-09	100.00	40038M10000	3937XS	Wrist Pin
RXP-X 255	2008-10	100.50	40038M10050	10050XS	S626
RXT 255/260	2005-10	101.00	40038M10100	10100XS	Circlips
RXT-X 255/260	2008-10				W5860

8.4:1 Stock Compression ratio ArmorGlide™ Skirt Coated

**Piston sold complete with: rings, piston pins, and circlips**

\*Sold individually



## JE PISTON KITS FOR YAMAHA FX SHO 1800 (2009-2011)

PISTON KIT #	DISP.	BORE SIZE	OVER SIZE	COMP. RATIO	RING #
308432	1493cc	100mm	STD	8.4:1	JG3701-3937
308433	1493cc	100mm	STD	9.5:1	JG3701-3937
308434	1493cc	100mm	STD	10.0:1	JG3701-3937
308435	1501cc	100.25mm	+.25mm	8.4:1	-----
308436	1501cc	100.25mm	+.25mm	9.5:1	-----
308437	1501cc	100.25mm	+.25mm	10.0:1	-----
308438	1508cc	100.5mm	+.5mm	8.4:1	-----
308439	1508cc	100.5mm	+.5mm	9.5:1	-----
308440	1508cc	100.5mm	+.5mm	10.0:1	-----

\*Sold 3 piston kits per set.

\*\*Piston sold complete with: rings, piston pin and locks



## PRO-X OEM REPLACEMENT FOUR STROKE PISTONS

Description	Part No.
SD RXP 04-09/RXT 05-09/RXP-X 08-09 Standard	01.5594.000
SD RXP 04-09/RXT 05-09/RXP-X 08-09 .50mm	01.5594.050
SD RXP 04-09/RXT 05-09/RXP-X 08-09 1.0mm	01.5594.100

\*PRO-X piston kits sold individually.



## CARRILLO CONNECTING RODS

Description	Part No.
Carrillo Connecting Rod Set	RO-RXP>-8M4724S-03
Sea Doo 255, 215 HP (Sold 3 rods per set)	



## RIVA SEA DOO VALVE TRAIN UPGRADE KIT

RIVA's Valve Train Upgrade Kit increases the reliability of your modified engine by reducing the possibility of valve float at high rpm. Includes lightweight, precision-machined titanium valve retainers, racing valve springs, base washers and OE rocker arm shaft bolts that must be replaced during installation.

Description	Part No.
RXP/RXT/GTX Valve Train Upgrade Kit	RS19050-VTU



## RIVA SEA DOO STOCK VALVE RETAINER KIT

RIVA's Valve Retainer Upgrade Kit increases the reliability of your engine by reducing the possibility of valve float at high rpm. Includes 12 lightweight, precision-machined titanium valve retainers and 6 OE rocker arm shaft bolts that must be replaced during installation. A must for IJSBA & APBA Stock Class race craft.

Description	Part No.
RIVA Stock Valve Retainer Kit SD RXP/RXT/GTX	RS19050-SRU



## RIVA SEA DOO HIGH PERFORMANCE VALVE SET

RIVA High Performance Valve Kits are engineered to improve reliability and performance in high-boost supercharged & turbocharged engines. Intake valves are built from high grade EV-8 (24-4N) stainless that is extremely resistant to corrosion. Exhaust valves are built from inconel alloy (IN-751) that is highly resistant to heat damage. Valve heads have been redesigned for increased air flow and durability. Valve stems feature hard-chrome plating for superior wear & lubricity. Kits include high strength valve locks, precision machined from 4130 chromoly.

**Drop-in Valve Kits:** Direct drop-in replacement valves require no machining of cylinder head.

**Oversized Valve Kits:** +1mm Intake & +2mm Exhaust valves deliver more air flow (requires machining of cylinder head).

Key Features:

- Stronger & lighter than stock valves.
- Redesigned valve heads for improved air flow & strength.
- High grade stainless intake valves resist corrosion.
- Inconel exhaust valves resist heat from high boost applications.
- Valve stems are hard-chrome plated for improved wear.
- Includes high strength valve locks.
- Sold in sets of 12 (6 Intake/6 Exhaust).

Description	Part No.
RIVA Sea Doo High Performance Valve Set (Standard/Drop-in)	RS19050-HPV-0
RIVA Sea Doo High Performance Valve Set (+1mm Intake / +2mm Exhaust)	RS19050-HPV-1:2



## PRO-X SEA DOO OEM REPLACEMENT STEEL VALVES

Manufactured by the leading OEM factories in Japan. Made to exact OEM specs and tolerances. The steel valves are a direct and cost efficient OEM replacement.

Description	Part No.
Pro-X Sea Doo Exhaust Valves	28.5594-1
Pro-X Sea Doo Intake Valves	28.5594-2

\*Pro-X Sea Doo Performance Valves are sold individually.



## SEA DOO 4-TEC VALVE COMPRESSION TOOL

Our overhead Valve Compression Tool allows easy removal of valve springs and keepers without removing cylinder head. Includes compression adapter to pressurize cylinder keeping valves in place during removal of stock springs and keepers.

Description	Part No.
4-TEC Valve Compression Tool	RS19050-VCT



## RIVA PRO-SERIES 4-STROKE CYLINDER HEAD STUD KITS

RIVA's ultra high strength cylinder head stud kit is essential equipment when upgrading internal components on your high boost Yamaha engine. Precision machined from premium grade 8740 alloy and heat treated to exacting tolerances, these studs dramatically increase reliability & ease of maintenance. Key Benefits Include:

- Superior material & heat treat process provides 10X better strength than OEM
- Studs provide improved alignment of cylinder head and gasket
- More accurate & consistent torque loading provides a more uniform clamping force on head gasket.
- Helps prevent blown head gaskets and assures optimum engine sealing.

Description	Part No.
RIVA Pro-Series Cylinder Head Stud Kits Sea Doo 260/255/215	RS10050-HSK



## RIVA RXP/RXT/GTX THERMOSTAT KIT

RIVA's cool running Thermostat Kit reduces the operating temperature of your modified 4-Tec® engine by 30°F for maximum reliability and performance. Kit includes replacement thermostat, billet coolant inlet flange, stock thermostat removal tool, Oetiker® clamps, Oetiker® pliers and detailed installation instructions.

\*NOTE: Thermostat housing (shown above) not included.

Description	Part No.
Thermostat Kit, SD RXP/RXT/GTX	RS1015

SEA DOO  
4 STROKE

INTAKE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGE

STEERING  
& CONTROLS

BODY

ACCESSORIES  
SERVICE TOOLS

/HARDWARE

CHEMICAL

# SEA DOO 4-STROKE • ENGINE



## K&N REPLACEMENT AFTERMARKET OIL FILTERS

Description	OEM#	Part No.
K&N Filter - All Sea Doo 4-stroke	420950741	KN556



## WSM OEM REPLACEMENT AFTERMARKET OIL FILTERS

Description	Part No.
A. WSM Filter - All Sea Doo 4-stroke	006-560
B. WSM Filter - All Sea Doo 4-stroke Oil Filter Cap	006-562



## NGK SPARK PLUGS

Description	Part No.
NGK Standard Plug for Sea Doo GTX 4-TEC (10 plugs per box)	DCPR-8E



## NGK IRIDIUM IX SPARK PLUGS

Description	Part No.
NGK Iridium Spark Plugs (4 plugs per box)	DCPR8EIX



## NIPPON DENSO IRIDIUM SPARK PLUGS

Description	Part No.
Nippon Denso Iridium Plug (4 plugs per box)	IXU24

## SEA DOO OEM TYPE SPECIALTY TOOLS

For the installation and removal of pistons, rocker arms, cam chain and cam gear.



**Crankshaft Locking Tool**  
Part No. 950-125  
O.E. No. 529-035-821  
Fits: All 4 Tec's



**Camshaft Locking tool**  
Part No. 950-180  
O.E. No. 529-035-839  
Fits: 4-Tec Engines

## MONKEY GRIP MOTOR MOUNTS



57-1187



57-1188

### Part No. 57-1187 (Front - 1 required)

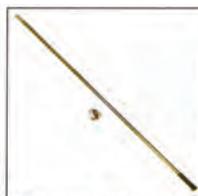
Year	
Sea Doo GTX 4-TEC	02-07
Sea Doo GTX 4-TEC WAKE	04-07
Sea Doo GTX 4-TEC SC	03-06
Sea Doo GTX 4-TEC LTD SC	03-04
Sea Doo GTX 4-TEC LTD	06
Sea Doo GTX 4-TEC LTD SCIC	05
Sea Doo GTX LTD & WAKE BVIC	07
Sea Doo RXP	05-07
Sea Doo RXP SC	04-06
Sea Doo RXP BVIC	07
Sea Doo RXT	05-06
Sea Doo RXT BVIC	07

### Part No. 57-1188 (Rear - 2 required)

Year	
Sea Doo GTI	06-07
Sea Doo GTI RENTAL	06-07
Sea Doo GTI RFI	04-05
Sea Doo GTI LE RFI	04-05
Sea Doo GTI SE	06-07
Sea Doo GTI 4-TEC SE NA	07
Sea Doo GTX 4-TEC	02-07
Sea Doo GTX 4-TEC SC	03-06
Sea Doo GTX 4-TEC SCIC	05
Sea Doo GTX 4-TEC LTD SC	06
Sea Doo GTX 4-TEC LTD SC	03-04
Sea Doo GTX LTD BVIC	07
Sea Doo GTX 4-TEC WAKE	03-07
Sea Doo RXP	05-07
Sea Doo RXP BVIC	07
Sea Doo RXP SC	05
Sea Doo RXT	05-06
Sea Doo BVIC	07

## SEA DOO OEM TYPE SPECIALTY TOOLS

For the installation and alignment of Sea Doo engines.



**Alignment Shaft**  
Part No. 950-140  
O.E. No. 295-000-141  
Fits: All Models



**Alignment Adaptor**  
Part No. 950-150  
O.E. No. 529-035-719  
Fits: GTX 4-Tec Models



**Alignment Support Plate kit**  
Part No. 950-135  
O.E. No. 529-035-506  
Fits: All Models



## RIVA RACING RXT-X/RXP-X 260 TURBOCHARGER ENGINE KIT

- TiAL Sport racing turbocharger (water jacketed stainless steel turbine housing; Garrett GT30R ball bearing CHRA w/billet compressor wheel; integrated wastegate).
- Billet CNC machined aluminum turbo mounting bracket kit.
- Billet CNC machined aluminum exhaust manifold flange.
- Mandrel bent water jacketed stainless steel exhaust pipe (exhaust manifold to turbo).
- Stainless steel V-band clamps.
- Braided stainless steel oil line kit.
- 4" Velocity stack adapter for attachment to air intake systems



## RXT-X/RXP-X 260 TURBOCHARGER INTERCOOLER

Description	Part No.
RXT-X 260, RXP-X 260 (2012) Turbocharge Engine Kit	RS18100-TEK

Description	Part No.
GEN-3' Power Cooler	RS1752-PC-I
Aluminum Intercooler Tube Kit (Includes TiAL Sport Blow-off Valve)	RS17100-TIK

## RXT-X/RXP-X 260 TURBOCHARGER REAR EXHAUST KIT

- Mandrel bent water jacketed aluminum exhaust down pipe.
- A/F ratio sensor mount in exhaust tubing.
- Water injection system to suppress sound.
- Stainless steel hose clamps.
- Billet aluminum rear exhaust through-hull outlet (4-inch).

## RXT-X/RXP-X 260 AIR INTAKE KIT

- Genuine screen type K&N flame arrestor.
- Large 4" smooth-bore ducting.
- Water repellant pre-filter.
- Billet band clamps.
- Thermal bulkhead.

Description	Part No.
RXT-X 260 Turbocharge Rear Exhaust Kit	RS15100-TREK
RXP-X 260 (2012) Turbocharge Rear Exhaust Kit	RS15110-TREK

Description	Part No.
RXT-X 260 Power Filter Kit	RS13100
RXP-X 260 (2012) Power Filter Kit	RS13110

### REQUIRED ADDITIONAL COMPONENTS:

#### Fuel & Intake

- High Capacity Fuel Injectors
- Fuel Pressure Regulator Kit
- High Capacity Fuel Pump
- RIVA/Wilson Billet Intake Manifold (over 18psi boost)

#### Engine Internals Upgrade Kit

- Forged Pistons
- Forged Connecting Rods
- Valve Train Upgrade Kit
- Cylinder Head Stud Kit
- Crankcase Main Stud Kit

#### Engine Management

- RIVA/Athena
- RIVA/Vi-PEC
- MoTeC

#### Engine Cooling Upgrade Kit

#### Pump & Handling

- Intake Grate
- Pump Impeller
- Modified Pump Housing
- Pro-Series Reduction Nozzle
- Performance Ride Plate

SEA DOO 4 STROKE
INAKE SYSTEMS
ENGINE/GASKETS
EXHAUST
DRIVE LINE HANDLING
ELECTRICAL
WATERLINE /BILGE
STEERING & CONTROLS
BODY
ACCESSORIES
SERVICE TOOLS /HARDWARE
CHEMICAL



## UMI TOP STOP BILLET STEERING

Top stop steering for positive control and extraordinary strength. Improved handling by shifting weight to correct point on watercraft.

Description	Part No.
GSX, GTX, GTI, GTS, GSI, GS 96+, RX, RXP, RXP-X, RXT, RXT-X	58-6321



Front View

Rear View

NOTE: Prototype "Show Piece" shown. Production color not represented.

## RXP-X/RXT-X 260 PRO-SERIES STEERING SYSTEM

Introducing the ultimate race proven steering system for your Sea Doo RXP-X & RXT-X 260 (standard & aS). Steering shaft is constructed of aircraft grade aluminum tubing for maximum strength & rigidity. Directly replaces bulky plastic system with a stronger & lighter unit that provides variable tilt positions. Delivers a precision feel and the confidence to push your craft to the limit with improved dependability and comfort. Bulletproof bar clamp will accept any 7/8" handlebar or 1-1/8" bulge bar. Includes all necessary installation hardware and instructions.

### Key Features Include:

- Aluminum & Stainless Steel construction deliver superior strength & rigidity.
- Variable tilt adjustment.
- Accepts both 7/8" bars & 1-1/8" fat bars.
- Hollow steering shaft design accommodates OEM wiring harness.
- Billet aluminum steering arm features adjustable "quick turn" settings.
- Retains "Off Throttle Assisted Steering" system.
- Cutting-edge race styling.
- All aluminum parts anodized to prevent corrosion.

APPLICATION: 2012 RXP-X 260 (T3), RXT-X 260 & All S3 Hull models.

Description	Part No.
RXP-X 260, RXT-X 260 Pro-Series Steering System	RS20090-U



## BILLET STOP SWITCH HOLDER

Description	Part No.
SD GTX, 4TEC, RXP, RXT (One hole type)	58-2003



## DO SPEED SPACER AND MOUNTING KIT FOR UMI RXP-X/RXT-X STEERING SYSTEMS

Do Speed has developed this spacer and mounting bracket specifically to be used in combination with a UMI steering system on a RXP-X or RXT-X. The spacer prevents water from entering the engine compartment and the bracket creates a clean and safe installation of the OEM Sea Doo warning system signal.



Description	Part No.
DO Speed Spacer and Mount Kit for UMI RXP-X and RXT-X Steering System	D-X-P

## SPEED MAGIC "X MOUNT" STEERING HEAD



The Speed Magic "X-Mount" for the RXP-X and RXT-X improves handling by lowering the steering head 85mm lower than the stock position and moves the rider forward for a more aggressive riding position. Accepts standard 7/8" (22.2mm) handlebars.

Description	Part No.
Speed Magic Steering Head	SE-027015

# SEA DOO 4-STROKE • CONTROL

SEA DOO 4 STROKE  
 NATKKE SYSTEMS  
 ENGINE/ GASKETS  
 EXHAUST  
 DRIVE LINE HANDLING  
 ELECTRICAL  
 WATERLINE /BILGE  
 STEERING & CONTROLS  
 BODY  
 ACCESSORIES SERVICE TOOLS /HARDWARE  
 CHEMICAL



## RIVA RXP-X/RXT-X 255 BAR MOUNT SYSTEM

RIVA's Bar Mount System lowers handlebar mounting point on RXP-X/RXT-X 255 models 3-1/2" for precision feel and the confidence to push your craft to the limit with improved bar placement. Precision machined billet aluminum unit is a direct replacement for original cast steering clamp. Bulletproof bar clamp will accept any 7/8" handlebar or 1-1/8" fat bars. Features integrated mount for D.E.S.S. post and cable retention bracket. Includes all necessary installation hardware and instructions.



Key Features Include:

- Lowers handlebar mounting point 3-1/2".
- Cutting edge race styling.
- Superior strength & rigidity over OEM system.
- Compatible with OEM and Aftermarket Handlebars.
- Retains original tilt adjustment feature.
- Accepts both 7/8" bars & 1-1/8" fat bars.
- Integrated D.E.S.S. post mount & cable retention bracket.
- All aluminum parts anodized to prevent corrosion.
- Fits 2008-11 RXP-X & RXT-X 255HP models (non-iControl).

### Description

RIVA RXP-X, RXT-X 255 (08-11)  
 Bar Mount System non iControl

### Part No.

RS20050-U



## HOT PRODUCTS HANDLEBARS

Models	Color	Pad Size	Part No.
Sea Doo GTS/GTX XP 97-98/RXP/RXT	Silver	Large	HJR-02
Sea Doo GTS/GTX XP 97-98/RXP/RXT	Black	Large	HJR-02BK

Handle Bar Specs: 30.5 width • 3" Rise • 1.5" Pull Back



## HOT PRODUCTS RUNABOUT FAT BARS

Description	Color	Part No.
Hot Products Fat Runabout Bars	Silver	HJFT-01



## HANDLEBAR COVER CAP FOR SEA DOO 4-TEC RXP - RXT - GTX - GTI



### Description

Handlebar Cover Cap

### Part No.

FB001-SD



## RIVA THROTTLE CONVERSION KIT ALL 4-TEC 4-STROKE RXP - RXT - GTX - GTI

Quickly and easily transform your Sea Doo thumb throttle into a more natural finger throttle with our Throttle Conversion Kit. Aluminum extensions insert directly into bar ends adding 1-3/4" to each side providing more turning leverage and a more natural riding position. Molded steering pad end cap mates



to finger throttle for a clean factory look. No modifications to existing handlebars necessary and minimal downtime.

### Description

RIVA Throttle Conversion (All) 4-TEC 4 stroke  
 02-07 RXP/RXT/GTX/All GTI 4-TEC For Stock Grips.

### Part No.

RS2455



## RIVA RACING BILLET FINGER THROTTLE FOR SEA DOO

Specifically designed to match throttle travel of Sea Doo 4-Stroke PWC. Direct replacement for bulky OEM throttle on X-Models and can be used with aftermarket bars on other 4-Tec applications. Adjustable throttle angle & unique trigger design keeps the trigger at the tip of your finger

throughout the throttle range for reduced arm pump & superb throttle control. Delrin bushings eliminate play common in OEM throttles and provide smooth actuation. All stainless hardware at hinge point eliminates corrosion and play. No "C" clips used. Use with OEM adapter on X-Models or use aftermarket adapter (sold separately) for other 4-Tec applications.

### Description

RIVA Racing Billet Finger Throttle for Sea Doo  
*\*Available in clear polished finish only*

### Part No.

RS24010P



## UMI RXP TRIM/SWITCH HOUSING

UMI's trim/switch housing is machined from 6061-T6 billet aluminum, replacing the stock plastic housing. Trim/switch housing uses the factory variable trim switch and start/stop switch. This housing must be used with the UMI GSX/RXP (P/#58-6321) steering system, aftermarket bars and finger throttle.

### Description

RXP Silver

### Part No.

SD-01600-CLR

# SEA DOO 4-STROKE • CONTROL



## RIVA TOP-LOADER INTAKE GRATES

The RIVA top-loader intake grate features a unique tapered wing design that eliminates prop spin and cavitation while delivering enhanced acceleration and 2mph additional top-speed. Deep side rails improve stability and handling. Durable black race coating protects from corrosion. Race Legal.



Description	Part No.
RXP 215 (04-08)	RS22050
RXT 215 (05-08)/GTX-SC (03-04)	RS22055
RXP-X 255/RXT-X 255HP	RS22080



## O.P.A.S. PERFORMANCE BLOCK-OFF KIT

Improves handling characteristics for competition use. Necessary to accommodate RIVA Rear Exhaust Kit (RS15050-1). Also designed to cleanly and easily cover the openings left when O.P.A.S. is removed preventing water from entering the hull. Made from billet aluminum utilizing o-ring seals. Anodized to prevent corrosion.

Description	Part No.
SD RXP/RXT/GTX (03 and newer) models	RS29050-1



## RIVA PRO-SERIES OPAS BLOCK-OFF KIT

Optimizes the handling characteristics. Extensions fill voids dramatically improving handling and reducing porpoising. For competition use only.

Description	Part No.
RXP 215/RXP-X 255	RS29950
RXT 215/RXT-X 255	RS29985



## R&D SEA DOO AQUAVEIN SCOOP GRATE

R&D's new Aquavein Scoop Grate kit that is now available for Sea Doo's new supercharged model is an absolute necessity to tame the cavitation that is created by Sea Doo's new supercharged 1500cc 185hp beast of an engine! Zero cavitation and quicker acceleration from 0-30mph is what you can expect from R&D's new 2 bar, full winged design. Improved low and high speed cornering, greater straight line stability, and an increase of .50mph in the speed department! The new R&D 4TEC Aquavein Grate installs easily in minutes and has been tested extensively with both the OEM impeller and the new R&D/Skat-Trak 16/21 3 blade impeller. The R&D/Skat-Trak impeller and Aquavein combination nets a bolt on performance boost of a full 1.5mph gain in top speed!

Description	Part No.
RXT Aquavein Scoop Grate	113-95000
RXP 215	113-95001
RXP 215 Pro 2 Aquavein & Girdle Kit	113-95002
GTI (06-07)	113-95003
GTX is, GTX Limited 260 (09-11),	113-95006
RXT is 260, RXT-X 260 (10-11), RXT-X as 260	



## R&D SEA DOO RXP AQUAVEIN GIRDLE KIT

The R&D RXP Aquavein Girdle Kit was designed and developed to add two extra 6mm bolts to the back end

of either a R&D Aquavein or OEM grate for a much higher degree of security against pulling inserts out of the OEM PVC plastic pump shoe! A must for competition use!

Description	Part No.
RXP Aquavein Girdle Kit	123-10010



## R&D RXP-X, RXT-X AQUAVEIN INTAKE GRATE

Aquavein will enhance the X beast. Blow through low and high-speed turns with confidence and chew up rough water conditions with a new found 3mph top speed gain. Quicker acceleration and straight-line stability are also maximized. The new X Sea Doo, equipped with an R&D Aquavein cracks the glass on the fun meter!

Description	Part No.
R&D RXP-X/RXT-X Aquavein Stock/Recreation	113-95004
R&D RXP-X/RXT-X Pro 2 Aquavein Deep Race Grate Closed Course	113-95007
RXP-X 260 (2012) (T3 Hull)	113-95008



## WORX MAXILOADER INTAKE GRATE

The Worx Maxiloader is the first mod anyone should do to their PWC. Among the benefits you'll receive are; reduced porpoising, no or minimal top speed loss (up to 3mph gain in choppy conditions!) and greater control & turning capability.

Description	Part No.
GTX 4Tec (02-05), GTX SC (03-04),	WR221
RXT 215 (05-08) Worx Intake Grate	
RXP 215 (04-08) Worx Intake Grate	WR223
RXP-X/RXT-X 255HP Worx Intake Grate	WR229

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SEA DOO  
4 STROKE

INTAKE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGE

STEERING  
& CONTROLS

BODY

ACCESSORIES

SERVICE TOOLS  
/HARDWARE

CHEMICAL

# SEA DOO 4-STROKE • CONTROL



## RIVA SEA DOO 215/255HP 4-TEC PERFORMANCE RIDE PLATE

The RIVA Sea Doo Performance Ride Plate delivers the perfect balance of top speed and improved handling. Top speed is increased by 2-3 mph along with straight line stability. Deep channeled design provides improved traction in turns and faster lap times. This ride plate requires the use of RIVA Open Loop Cooling Kit (part# RS1013-50).

Key Benefits Include:

- 2-3 mph top speed increase.
- Improved straight line stability.
- Improved cornering.

Description	Part No.
SD 215/155 4-Tec Ride Plate (04-10) (non iControl)	RS21050
SD 255 4-Tec Ride Plate (08-11) (non iControl)	RS21080
SD RXP-X 260 (T3 Hull) (2012)*	RS21110

\*Available early Summer 2012



## RIVA SEA DOO 4-TEC OPEN LOOP COOLING KIT

RIVA Open Loop Cooling Kit dramatically reduces engine operating temperatures for improved performance & reliability. Also allows installation of RIVA Performance Ride Plate by eliminating need for heat exchanger. Original closed loop system becomes quickly heat soaked in high performance applications. Open loop system increases cooling efficiency via steady supply of cool external water.

Key Features Include:

- \* Improved performance & reliability.
- \* Allows installation of aftermarket rideplate.
- \* Replaceable sacrificial zinc anode protects cooling system from corrosion.
- \* Quick release flushing system flushes engine & exhaust cooling passages.
- \* Billet aluminum pump cover with anodized finish.
- \* Includes complete installation instructions.

FITS ALL SEA-DOO 4-STROKE PWC except i-Control

Description	Part No.
RIVA 4-Tec Open Loop Cooling Kit (except i-Control)	RS1013-50



## R&D RXP/RXP-X/RXT/RXT-X/GTX PRO SERIES SPONSON KIT

The new R&D Sea Doo Pro Series Sponson Kit was designed and developed to deliver lots of handling performance with adjustability options, which allows you to setup your Sea Doo "your way" with 2-position backing plate and 3-position sponson blade adjustability. The R&D Sponson Kit will deliver a much smoother ride and low speed and high-speed turns are a breeze with new found control! There is also a higher end recreational/race setting with enough grip for the best of pro's!

Description	Part No.
RXP/RXP-X/RXT/RXT-X/GTX Pro Series Sponson Kit	123-95101



## RIVA RACING RXP/RXP-X RXT/RXT-X/GTX PRO-SERIES SPONSON KIT

RIVA's race proven Pro-Series Sponsons will dramatically improve the handling of your craft with their superior blade & backing plate design. Includes a bulletproof mounting system that features a solid backing plate and five anchor points with billet inserts in sponson fins. Sponson depth is adjustable to control the amount of influence they have on the craft.

Description	Part No.
Pro-Series Sponson Kit	RS26050
SD RXP/RXP-X/RXT/RXT-X/GTX (08-11)	
Pro-Series Sponson Kit	RS26110
RXP-X 260 (T3) (2012), RXT-X 260/RXT-X aS 260 (S3) (2012)	



## WORX RACING SEA DOO SPONSONS

Unbelievable cornering, better control in the rough and predictable inline tracking while towing wakeboards or waterskiers. WORX sponsons are easy to fit, look great and bolt right into stock mounting holes.

Description	Part No.
02 thru 04 all GTX, 04 only RXP	WR526
05+ all GTX/RXP/RXT, 06+ GTI	WR534
RXP-X/RXT-X	WR540



NOTE: Production color not represented. Prototype "Show Piece" shown.

## ADJUSTABLE PERFORMANCE TRIM TAB KIT

RIVA's Adjustable Trim tab Kit allows you to tune the trim level of your craft for superior handling & performance in all water conditions. Tab position is adjusted with turnbuckles at rear of flap and by adjustable pivot point that allows planing surface to retract into bracket. Fully adjustable tab system is precision machined from billet aluminum for maximum strength & durability. Directly replaces fixed plastic trim tabs with easy bolt-on installation. Includes all necessary mounting hardware & installation instructions. **\*Available early Summer 2012**

Description	Part No.
RIVA Trim Tab Kit RXP-X 260 (T3) (2012)	RS27110-APT

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SEA DOO  
4 STROKE

WAKE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGE

STEERING  
& CONTROLS

BODY

ACCESSORIES

SERVICE TOOLS  
/HARDWARE

CHEMICAL

SEA DOO  
4 STROKE

INTAKE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGE

STEERING  
& CONTROLS

BODY

ACCESSORIES

SERVICE TOOLS  
/HARDWARE

CHEMICAL



## R&D SEA DOO RXP/RXT 215/255 AUTO TRIM KIT

Developed to override the OEM VTS System with a fully adjustable and fully automatic trim system. The R&D Auto Trim automatically drops a rider preferred adjustable 2-8 degrees. For long straight rides install the

R&D VTS/Holeshot Driver Rod (Pt. #163-21503), which works in conjunction with the R&D Auto Trim to electronically override the Auto Trim back to the OEM VTS Nozzle angle trim settings! The combination allows the best for recreational and closed course riding!

Description	Part No.
R&D RXP 215 Auto Trim Kit	163-21502
R&D RXT 215/GTX 4-TEC Auto Trim Kit	163-95003
R&D RXP-X 255/RXT-X 255 Auto Trim Kit	163-25500



## R&D RXP/RXT 215/255 HOLESHOT ROD

The R&D Holeshot Rod is designed to work in conjunction with the R&D Auto-Trim Kit. The

Holeshot Rod mounts to the VTS system and allows maximum nozzle drop when the nozzle is straight for improved holeshots.

Description	Part No.
R&D RXP/RXT/RXP-X/RXT-X Holeshot Rod	163-21503



## RXP PRO STEERING NOZZLE

The R&D RXP 215/255 Pro Series Steering Nozzle was developed to replace the OEM steering nozzles oval and stepped inner design shape with a race proven high performance

round Venturi design. The new R&D RXP 215/255 Nozzle also incorporates a cast in boss for the R&D Auto Trim Kit Option.

Description	Part No.
R&D RXP 215/RXP-X 255/RXT 215/RXP-X 255 Pro Steering Nozzle (+15mm)	163-21500



## R&D RXP-X/RXT-X 84MM REDUCTION NOZZLE KIT

The R&D RXP-X/RXT-X 84mm Pump Reduction cone will reduce the venturi size from a short O.E.M. 87mm large bore design to a plus .750

over stock venturi length with a final venturi size of 84mm. Increased hook up, stronger acceleration and mid range, improved top speed performance.

Description	Part No.
R&D RXP-X/RXT-X 84mm Reduction Nozzle Kit	173-25584



## RXP/RXT PRO-SERIES REDUCTION NOZZLE

Ideal for tuning your Sea Doo pump combination for maximize performance.

The nozzle features a interchangeable ring system. Nozzle includes three stainless steel rings in 81, 82 and 83mm. Additional ring sizes available (RS23050-NR-SIZE) 80, 81.5, 82.5 and 84mm.

Description	Part No.
RIVA Venturi Nozzle w/3 Rings, RXP 215, RXP-X 255, RXT, GTX-SC (05-07)	RS23050-N

## GTX 4-TEC



## RXP



## SEA DOO RXT 2.5 DEGREE NOZZLE WEDGE KIT

The R&D 2.5 degree reduction nozzle wedge kit for the new Sea Doo 4-Tec was designed, developed and tested extensively in all types of flat and rough water conditions to ensure that there would be no handling performance compromises. Most brands of watercraft have some form of V.T.S. (variable trim system) including other model Sea Doo's. Why the

4-Tec doesn't have a trim system is a mystery. Extensive testing has led our development team to wedge the reduction nozzle up 2.5 degrees which will inexpensively give your 4-Tec better handling everywhere and provide a boost of 1 to 2 mph in top speed performance. The billet aluminum CNC machined 2.5 degree reduction nozzle wedge kit was designed to work with the OEM O.P.A.S. system and installs easily in 15 to 20 minutes with R&D's "easy install" directions.

Description	Part No.
GTX 4-Tec SC (02-03), GTX 4-Tec N/A (03-05)	143-95002
2.5 Degree Pump Wedge/Cable Extension Kit RXP 215	143-95003
2.5 Degree Pump Wedge/Cable Extender Kit RXT 215/GTX 4-Tec (04-05)	143-95004
2.5 Degree Pump Wedge/Cable Extender Kit RXT-X 255 2.5 Degree Pump Wedge/Adjustable Trim Rod/Cable Extender Kit	143-95005
RXP-X 255 1.0 Degree Pump Wedge/Adjustable Trim Rod/Cable Extender Kit	143-95006



## RIVA RXP/RXP-X, RXT/RXT-X, GTX-SC BILLET PUMP WEDGE

2 Degree wedge trims up your pump nozzle raising the bow of your craft for less drag and more control.

Description	Part No.
RIVA RXP, RXP-X, RXT, RXT-X, GTX-SC 2-Degree Pump Wedge	RS23050



## RIVA RXP/RXP-X/RXT-X VTS EXTENSION ROD

RIVA's precision-machined VTS Extension Rod allows maximum "nozzle down" adjustment after installation of RIVA Pump Wedge. Necessary on modified craft to keep bow down during initial acceleration while still providing maximum top speed advantage when trimmed up. Adjustable design comes preset for RIVA 2° Pump Wedge (part# RS23050).

Description	Part No.
RIVA RXP/RXP-X/RXT-X VTS Extension Rod	RS23050-1-ER

# SEA DOO 4-STROKE • PUMP



## WET WOLF PUMP CONE

The Adjust-A-Thrust has been shown to gain .5 to 1.5 more top end. Makes a noticeable difference in the low end and midrange as well.

**Description** Wet Wolf Pump Cone fits all 01-06 RXP, RXT, GTX and 4-Tec N/A and SC  
**Part No.** SEA4  
*\*Note - This unit performs well on stock craft, and crafts with handling mods, or limited engine mods - We do not recommend this unit for modified craft.*



Sea Doo Pump Cone Spacer

## R&D ANTI-CAVITATION CONE FOR SEA DOO

The unique patent pending design balances the bowl pressure in the last stage of the pump to eliminate detectable cavitation. Improve bottom end punch midrange pull and overall performance.

**Description** RXP 215/RXT 215/RXP-X 255/RXT-X 255/GTX  
**Part No.** 163-95001  
 RXP 215/RXT 215/RXP-X 255/RXT-X 255  
**Part No.** 163-95200  
 GTX 4-Tec Anti-Cavitation Pump Cone Spacer .200 (02-05)



## RAD 4 RACING SEA DOO RXP THRU HULL FITTING

Replace the stock carbon seal with this RAD 4 Racing reliable bearing carrier. Includes drive shaft skim for perfect installation. For All RXP and RXP-X.

**Description** Rad 4 Racing RXP/RXP-X Thru Hull Fitting  
**Part No.** R4RTHUHULL



## SAND & DEBRIS FILTER .75IN

These Water Filters/Strainers protect your engine from damage due to waterborne debris such as seaweed, sand, grass and pebbles that are sucked into the cooling system. Filters mount inline with the inlet cooling hose to your watercraft's engine. Filter cup is clear to provide easy visual inspection, threaded for quick removal and seals with a durable rubber o-ring.

**Description** Sand & Debris Filter .75in  
**Part No.** 56-9004



## RIVA STAINLESS STEEL REPLACEMENT WEAR RING FOR 4-TEC SEA DOO

RIVA's heavy-duty 100% stainless steel wear rings/impeller liners are the perfect replacement for your damaged original unit. Replaces original plastic liner with easy press in installation. Durable stainless steel resists debris damage and saltwater corrosion. Provides increased durability and performance due to precision machined clearance between wear ring and impeller.

Sea Doo PWC Application Chart:

- 155mm liner fits all 185 Supercharged and '03 and newer 155/130hp 4-Stroke models
- 159mm liner fits 255 & 215hp 4-Stroke units.

**Description** 155mm SD SR Series  
**Part No.** RS33-155-SR  
 159mm SD SRX Series  
**Part No.** RS33-159-SRX



## WSM REPLACEMENT PUMP WEAR RINGS FOR SEA DOO

**Description** 1998-12 including 4-Tec (N/A) (155.5mm)  
**OEM#** 271-000-653  
**Part No.** 003-503  
 4-Tec Supercharged 03-04 (155.8mm)  
**OEM#** 267-000-104  
**Part No.** 003-502  
 RXP/RXT (159mm) (exclude "iS" model)  
**OEM#** 267-000-105  
**Part No.** 003-499



## WSM REPLACEMENT PUMP WEAR RINGS WITH STAINLESS STEEL LINER

**Description** 1998-12 including 4-Tec (N/A) (155.5mm)  
**OEM#** 271-000-653  
**Part No.** 003-503S  
 4-Tec Supercharged 03-04 (155.8mm)  
**OEM#** 267-000-104  
**Part No.** 003-502S  
 RXP/RXT (159mm) (exclude "iS" model)  
**OEM#** 267-000-105  
**Part No.** 003-499S

## SEA DOO OEM TYPE SPECIALTY TOOLS

For the repair and installation of Sea Doo 4-Tec drive shaft and the pump shaft.



**Drive Shaft / Floating Ring**  
**Part No.** 950-100  
 O.E. No. 529-035-841  
 Fits: GTX 4 Tec Models



**Drive Shaft / Floating Ring**  
**Part No.** 950-102  
 O.E. No. 529-035-987  
 Fits: Super Charged 4-Tecs



**Drive Shaft Holder**  
**Part No.** 950-155  
 O.E. No. 529-035-986  
 Fits: GTX 4-Tec & RXP 4-Tec Models



**Shaft Pusher**  
**Part No.** 950-165  
 O.E. No. 529-035-955  
 Fits: GTX 4-Tec Models



**Seal & Bearing Pusher**  
**Part No.** 950-170  
 O.E. No. 529-035-819  
 Fits: GTX 4-Tec Models

SEA DOO  
4 STROKE

NATKE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BLIGE

STEERING  
& CONTROLS

BODY

ACCESSORIES

SERVICE TOOLS  
/HARDWARE

CHEMICAL



**Skat-Trak** AMC  
PERFORMANCE PRODUCTS

## SKAT TRAK IMPELLERS FOR SEA DOO PWC

**3-Blade Swirl Super Pro Impeller 159-83-28**

*Skat Trak recommends:*

Model	Year	Stock	Limited	Modified
RXT 215	05-10	13/17	13/18	-----
RXT 260	11-12	14/19	14/20	-----
RXT iS 255	09	13/18	14/19	-----
RXTaS 260	11	14/19	14/20	-----
RXTiS 260	10-12	13/18	14/19	-----
RXT-X 255	08-10	13/18	14/19	-----
RXT-X 260	11-12	14/19	14/20	-----
RXT-XaS 260	12	14/19	14/20	15/20
RXP 155	07-08	13/17.5	13/18	-----
RXP 215	04-10	13/18	14/19	-----
RXP-X 255	08-11	14/19	14/20	-----
RXP-X 260	10-12	14/19	14/20	-----

*Skat Trak Impellers do not include a seal.  
Hot Products recommends SLA012 sold separately.  
OEM rubber shaft-impeller seal also fits.*

159-83-28 3-Blade Swirl Super Pro		Part. No.
Description		
13/17	3-Blade Swirl Super Pro	SS598328SW31317
13/18	3-Blade Swirl Super Pro	SS598328SW31318
14/19	3-Blade Swirl Super Pro	SS598328SW31419
14/20	3-Blade Swirl Super Pro	SS598328SW31420
15/18	3-Blade Swirl Super Pro	SS598328SW31518
15/19	3-Blade Swirl Super Pro	SS598328SW31519
15/20	3-Blade Swirl Super Pro	SS598328SW31520
15.5/21.5	3-Blade Swirl Super Pro	SS598328SW3155215
Aluminum Billet Impeller Seal for 3-Blade Super Pro		SLA012



**SOLAS**<sup>®</sup>  
*Where speed begins*  
**SOLAS IMPELLERS**

Model	Year	Stock	Limited	Modified
RXT 215	05-08	SRX-CD-13/18	SRX-CD-14/19	SRX-CD15/20
RXT 215	09-10	SRZ-CD-13/18	SRZ-CD-14/19	SRZ-CD15/20
RXTiS 260	10-12	SRZ-CD-15/21	SRZ-CD-15/21	-----
RXT-X 260	11-12	SRZ-CD-15/21	SRZ-CD-15/21	-----
RXP 215	04-08	SRX-CD-14/19	SRX-CD-14/19	SRX-CD15/20
RXP 215	09-10	SRZ-CD-14/19	SRZ-CD-14/19	SRZ-CD15/20
RXP-X 255	08	SRX-CD-15/21	SRX-CD-15/21	-----
RXP-X 255	09-11	SRZ-CD-15/21	SRZ-CD-15/21	-----



## SOLAS BILLET IMPELLER SEAL

The new generation of the SOLAS Impeller seal is made with billet aluminum. They are very suitable for high power applications. Fits Solas Concord and Skat Trak 3-Blade Super Pro impellers.

Description	Part No.
Aluminum Billet Impeller Seal for Concord Impellers	SLA012



## RIVA R-SERIES PUMP IMPELLERS

*NOTE: R-Series Impellers must be used with RIVA's Pro-Series Reduction Nozzle (Part# RS23050-N for RXP/RXP-X) or (Part# RS23051-N for RXT)*

Description	Part No.
13/19 R-Series Solas Concord Impeller	SRX-CD-13/19R
14/17 R-Series Solas Concord Impeller	SRX-CD-14/17R
14/19 R-Series Solas Concord Impeller	SRX-CD-14/19R
15/20 R-Series Solas Concord Impeller	SRX-CD-15/20R
15/22 R-Series Solas Concord Impeller	SRX-CD-15/22R

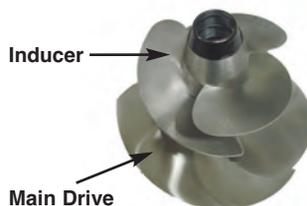
**RIVA Performance Kit Pump Impellers Recommend Chart:**

Model	Stock	Stage I	Stage II
RXP-X	N/A	SRX-CD-15/22R	TBA
RXT-X	N/A	SRX-CD-15/22R	TBA
RXP	SRX-CD-13/18R	SRX-CD-14/19R	SRX-CD-15/20R
RXT	SRX-CD-14/17R	SRX-CD-14/17R	SRX-CD-13/19R



## IMPELLER HOLDER TOOL

Description	Part No.
A. GTX 4-Tec Supercharged	DS#70
B. RXP/RXT 27mm	DS#71
C. Solas RXP/RXT 27mm	WR012-SRX



## SKAT-TRAK TWIN IMPELLERS

The new Twin Prop design drives of the line much quicker than the traditional single prop, and offers substantial increase in rough water hookup.

## SEA DOO RXP-X

	Engine Mods	Pitch	Part No.
Main Drive	Stock	13/17	SS598328SWM1317
Main Drive	Limited	13/18	SS598328SWM1318
Main Drive	Supermod	15/20	SS598328SWM1520
	Engine Mods	Pitch	Part No.
Inducer	Stock	13/17	SS440ID1317
Inducer	Limited	13/18	SS440ID1318
Inducer	Supermod	15/20	SS440ID1520

## SEA DOO RXT-X

	Engine Mods	Pitch	Part No.
Main Drive	Stock	12/16	SS598328SWM1216
Main Drive	Limited	13/17	SS598328SWM1317
Main Drive	Supermod	15/18	SS598328SWM1518
	Engine Mods	Pitch	Part No.
Inducer	Stock	12/17	SS440ID1217
Inducer	Limited	12/17	SS440ID1217
Inducer	Supermod	15/18	SS440ID1518

# SEA DOO 4-STROKE • SEAT COVER



## JETTRIM CUSTOM ORDER SEAT COVER

Description	Part No.
RXP Custom Designed Seat Cover	SDRXP101
RXP-X Custom Designed Seat Cover	SDRXPX101
RXP-X Retro Designed Seat Cover	SDRXPX102
RXP-X 260 (2012) Custom Designed Seat Cover	SDSRPX103
RXT Custom Designed Seat Cover	SDRXT101
RXT-X Custom Designed Seat Cover	SDRXTX103
RXP-X Custom Designed Hump Seat Cover	SDRXPX101H
RXT-iS New Design Seat Cover	SDRXTXIS101

### PRE-COLORED HOT PRODUCTS RECOMMENDED JETTRIM SEAT COVERS

#### RXP-X 255 (08-11)



SDRXPX101-A

#### RXP-X 101 Series

Top: Medium Slip Black  
Side: Carbon Dark Silver  
Spike: Disco Light Orange  
Rear: Small Carbon Light Silver

#### RXP 155 (07-08), RXP 255 (08-11)



SDRXP101-A

#### RXP 101 Series

Top: Medium Slip Black  
Top Rear: Medium Slip Silver  
Side: Kevlar Black  
Rear: Carbon Dark Silver

#### RXTiS 255 (09), RXTiS 260 (10-12)



SDRXTXIS101-A

#### RXT IS 101 Series

Front & Rear Top: Medium Slip Yellow  
Front Collar: Carbon Black LG  
Center Band: Carbon Black LG  
Front & Rear Vest:  
Smooth Grain Silver  
Side: Carbon Black LG



SDRXTXIS101-B

Front and Rear Top: Non Slip Black  
Front Collar: Carbon Black  
Center Band: Carbon Black  
Front & Rear Backrest:  
Fire Red Smooth Vinyl  
Side: Ostrich Black Vinyl  
Stitch: Orange Thread on Top

#### RXP-X 260 (2012)



SDRXPX103-A

#### RXP 103 Series

Front & Rear Top: Medium Slip Black  
Front Collar: Carbon Black LG  
Center Band: Carbon Black LG  
Front & Rear Vest:  
Smooth Grain Silver  
Side: Carbon Black LG



## HYDRO-TURF PREMIER CUSTOM ORDER SEAT COVER

Description	Part No.
RXP-215 (04-10) Custom Designed Seat Cover	AZSEW89
RXP-X (08-11) Custom Designed Seat Cover	AZSEW891
GTX (03-06), 4-Tec (02), Di (02), RXT, RXT-X Custom Designed Seat Cover	AZSEW88

### PRE-COLORED HOT PRODUCTS RECOMMENDED HYDRO-TURF SEAT COVERS

#### RXP-215 (04-10)



AZSEW89

Shown in:  
Black Naugahyde  
Silver Carbon Fiber  
Black Vinyl  
with White stitching

#### RXP-X 255 (08-11)



AZSEW891

Shown in:  
Black Gripper  
Silver Carbon Fiber  
Black Carbon Fiber  
with White stitching

#### GTX (03-06), 4-Tec (02), Di (02), RXT, RXT-X



AZSEW88

Shown in:  
Black Naugahyde  
Silver Carbon Fiber  
Black Vinyl  
with White stitching

### PRE-COLORED HOT PRODUCTS RECOMMENDED AP SEAT COVERS



Sea Doo RXP

Description	Color	Part No.
Ultra Grip Top	Black/Silver/Black	USDRXP-BK/SL/BK

SEA DOO  
4 STROKE

WAKE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGE

STEERING  
& CONTROLS

BODY

ACCESSORIES  
SERVICE TOOLS

/HARDWARE

CHEMICAL

YAMAHA  
4 STROKE

INTAKE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGE

STEERING  
& CONTROLS

BODY

ACCESSORIES

SERVICE TOOLS  
/HARDWARE

CHEMICAL

## R&D PERFORMANCE POWER PLENUM AIR FILTER KIT



The R&D High Performance Power Plenum Air Filter Kit was designed, developed and dyno tested exclusively for the new Yamaha SHO/FZR supercharged intake system to unleash low-end, mid-range, and peak horsepower trapped in the restrictive stock air box. The exclusive lightweight filter design couples to the OEM supercharger hose and is engineered with a large 6"x10"x6" plenum to deliver massive cubic air volume and improved air speed to the supercharger. Replacing the O.E.M. air box with the R&D Filter kit offers an economical way to improve performance.

**Description** R&D FX-SHO/FZR/FZS Performance Power Plenum Air Filter Kit  
**Part No.** 200-01801

## R&D VXR/VXS POWER PLENUM FILTER KIT

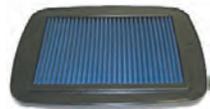


The R&D High Performance Power Plenum Air Filter Kit was designed and developed exclusively for the new Yamaha 1.8 liter N/A engine. The R&D filter kit will unleash low-end, mid-range, and peak horsepower trapped in the restrictive stock air box. The exclusive lightweight filter design couples to the OEM throttle body through a tuned built in velocity stack. The engineered oversized Tear

Drop plenum, delivers the velocity and cubic air volume needed to add power. Power Plenum Filters generate the maximum airflow and volume.

**Description** R&D VXR/VXS Power Plenum Filter Kit  
**Part No.** 200-01805

## R&D FX-SHO/FZR/FZS POWER PLENUM FLAME ARRESTER FOR STOCK AIR BOX



The R&D High Flow Filter design replaces the restrictive stock filter inside the stock air box, allowing improved air flow. Why? Because more air flow means more power and improved performance. The washable and reusable design means this will be the last filter you will ever have to buy.

**Description** R&D FX-SHO/FZR/FZS/VXR/VXS Power Plenum Flame Arrester  
**Part No.** 200-01800

## R&D COLD AIR INLET KIT



The R&D Cold Air Adaptor Kit is a simple kit that allows the front hatch cowling to be modified by simply boring a hole in the cowling insert (located on the bottom side of the hatch cover) and installing the R&D molded plastic hose flange adaptor with kit supplied pop rivets. The R&D Flange allows one of the existing air intake hoses to be connected to the flange. The result is an inexpensive way to ventilate the engine compartment with cool outside air. The Cold Air Adaptor kit will improve airflow to the engine allowing power and RPM gains.

**Description** R&D Cold Air Inlet Kit  
**Part No.** 200-01806



## R&D FX-SHO/FZR/FZS PRO COMP COOL AIR FILTER KIT

The system is designed and tested with boost levels above 23 pounds and speeds of 92+ MPH. The R&D System utilizes an oversized specifically designed 7.25" x 5.5" x 6" teardrop shaped R&D Power Plenum Filter w/crankcase vent that rubber mounts in the space over the top left side of the gas tank. The system ducts its air supply to the supercharger via an "Indy Car style" 3.5" mandrel bent Aluminum tube and couples to the supercharger with a 90°

Nomex tapered reduction elbow. Power Plenum Filters generate the maximum airflow and volume and install in minutes. Recommended for the R&D C1, C3, C5, C20X and C23X Monster Supercharger Wheel kits and Superchargers. This system will also couple to the soon to be released R&D Cool Charger Housing, a 100% water-cooled supercharger Housing.

**Description** R&D FX-SHO/FZR/FZS Pro Comp Cool Air Filter Kit  
**Part No.** 200-01802



## R&D FX-SHO POWER CORE INTAKE MANIFOLD/INTERCOOLER CFM KIT

The R&D FX-SHO/FZR/FZS Power Intake Manifold and Intercooler CFM Kit was developed to increase airflow into and through the intake system by relieving restrictions. The R&D FX-SHO/FZR/FZS intake manifold ribbon remover sleeve will unlock a 40 CFM (cubic feet per minute) air flow restriction by replacing the intake manifold ribbon with the R&D billet venturi sleeve. The R&D Intercooler Spacer will unlock a 30-35 CFM restriction in the intercooler. The R&D FX-SHO/FZR/FZS Intake Kit will add low end and mid range throttle response, and a full 100 plus rpms to top end performance to a stock FX-SHO/FZR/FZS. The R&D FX-SHO/FZR/FZS Intake Kit is an absolute must have parts kit to remove intake restrictions before contemplating power adding compressor booster wheels or turbo charger kits to the FX-SHO/FZR/FZS engine. True horsepower gains on the FX-SHO/FZR/FZS start right here with the R&D Intake Kit. More airflow will equal more power, and there is no other way around the fact that restricted is restricted power.

**Description** R&D FX-SHO/FZR/FZS Power Core Billet Intake Manifold Sleeve & Intercooler Spacer CFM Kit  
**Part No.** 612-18000  
R&D FX-SHO/FZR/FZS Power Core Intake Manifold Sleeve Only  
**612-17998**  
R&D FX-SHO/FZR/FZS Intercooler CFM Spacer Only  
**612-17999**  
R&D VXR/VXS Power Sleeve Intake Manifold Upgrade Kit  
**232-18000**

# YAMAHA FX-SHO/FZ/VXR/VXS • INTAKE



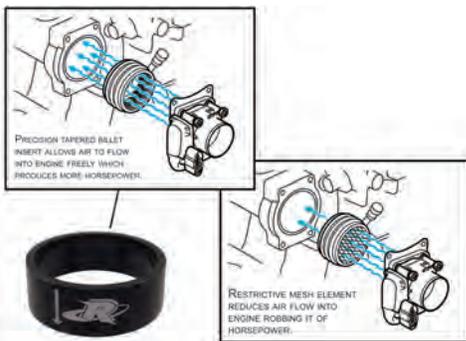
## RIVA VXR/VXS POWER FILTER KIT

RIVA's VXR/VXS Power Filter is a true "cold air" intake system that draws cool air from outside your engine compartment delivering significant performance gains. Utilizes OEM hood scoop to feed air into an ultra-dry water trap system for reliable operation in rough water conditions. Cold air is delivered to engine via large 4" smooth-bore ducting that is secured to throttle body with unique velocity stack and sturdy billet clamps. Kit also includes an improved breather system that keeps hot oil vapor and crankcase fumes from entering your engine's air intake. Requires use of Engine Breather Uptake Kit (RY14040-EBUK-1)

### Key Features:

- Delivers increased acceleration & top speed.
- True "cold air" system utilizes OEM hood scoop.
- Ultra-dry water trap keeps water out of system.
- Genuine screen type K&N Flame Arrestor & water repellent prefilter cover.
- Large 4" smooth-bore ducting attaches to engine via flow-matched velocity stack.
- Includes updated crankcase breather system for improved performance.

Description	Part No.
RIVA VXR/VXS Power Filter Kit	RY13060
Power Filter Only (for RY13060)	RK13090-2



## RIVA YAMAHA 1.8L N/A ENGINE INTAKE MANIFOLD UPGRADE KIT

RIVA's Intake Manifold Upgrade Kit enables your 1.8L naturally aspirated engine to produce more horsepower by delivering increased air flow. Precision tapered billet sleeve directly replaces restrictive mesh element in the intake manifold. Provides improved low end punch and mid range pull through a quick & easy installation. Includes detailed installation instructions. NOTE: Testing has determined the stock ECU will compensate for the increased air flow provided by the Intake Manifold Upgrade Kit. Requires RIVA Power Filter Kit to meet U.S. Coast Guard certified flame arrestor requirements. IJSBA Stock Class Legal.

Description	Part No.
RIVA Yamaha 1.8L N/A Engine Intake Manifold Upgrade Kit (VXR/VXS)	RY12055-IMUK



## RIVA PERFORMANCE YAMAHA FX-SHO/FZR/FZS POWER FILTER KIT

The RIVA Power Filter feeds your FX-SHO, FZS or FZR a steady diet of cool air delivering greatly improved acceleration and rpm. Replaces restrictive stock air box with a high-volume, precision-formed intake duct that attaches to the supercharger via a large 4" adapter. Cool air enters the system via an oversized K&N filter element. Includes water-repellent pre-filter.

Description	Part No.
RIVA FX-SHO/FZR/FZS Performance Power Filter Kit	RY13040
Power Filter Only (for RY13040)	RK13090-2



## RIVA FX-SHO/FZR/FZS INTAKE MANIFOLD UPGRADE KIT

RIVA's Intake Manifold Upgrade Kit enables your engine to produce more horsepower by delivering increased air flow and boost pressure (+1lb). Precision tapered billet sleeve directly replaces restrictive mesh element in the intake manifold. Provides improved low end punch and mid range pull through a quick & easy installation. Includes detailed installation instructions. NOTE: Testing has determined the stock ECU will compensate for the increased boost provided by our Intake Manifold Upgrade Kit.

Description	Part No.
RIVA FX-SHO/FZR/FZS Intake Manifold Upgrade Kit	RY12040-IMUK

YAMAHA  
4 STROKE

INTAKE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGE

STEERING  
& CONTROLS

BODY

ACCESSORIES

SERVICE TOOLS  
/HARDWARE

CHEMICAL

# YAMAHA FX-SHO & FZ • SUPERCHARGER

YAMAHA  
4 STROKE

INTAKE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGE

STEERING  
& CONTROLS

BODY

SERVICE TOOLS  
ACCESSORIES

SERVICE TOOLS  
/HARDWARE

CHEMICAL



## R&D FX-SHO/FZR/FZS C1 MONSTER CHARGER WHEEL

R&D's new C1 11 Blade Series Monster Compressor Wheel Kit for Yamaha FX-SHO/FZS/FZR engines is new and improved to deliver "horsepower you can feel" with instant

throttle response, improved mid range acceleration, and increased top end performance. The R&D Monster Wheel replaces the stock wheels inefficient 5 blade design with an all new modern low profile, high flow, 11 blade high tech design. Fits directly into the O.E.M. stock compressor housing with no modifications. The C1-11 Monster works with the OEM intercooler, OEM fuel injectors, OEM ignition system and the R&D Intake CFM Kit. Kit performs well on 91 octane pump gasoline. Boost rated 7psi @ 7500rpm and 8.5psi @ 7700rpm. Horsepower increases were professionally documented by MOTEC AUSTRALIA.

- Increased boost pressure (3-3.5psi over stock @ 7700 rpm)
- Increased airflow (1.5-2 pound per minute gain)
- 25-30 Horsepower increase and 2 MPH Gain (with OEM ignition)
- 70 Horsepower increase (with Motec ECU, CFM kit, 91 pump gas)
- Precision balanced (turbo specs .012-.027 gram inches)
- Better throttle response, increased horsepower • Ultra easy installation
- 91 octane pump gas friendly • Inexpensive horsepower upgrade

The C1 Wheel Kit works excellent for recreational use applications retaining the OEM ignition, fuel system, injectors, and intercooler. R&D has data logged and documented the A.F.R. (air to fuel ratio) to be a conservative and safe 11.8-12.0 with the C1 wheel kit. R&D recommends that the R&D Power Core Intake Manifold and intercooler CFM kit or the R&D Stage 1 Intercooler Kit be used with the C1 wheel.

Description	Part No.
R&D FX-SHO/FZR/FZS C1 Monster Charger Wheel	612-25001



## R&D FX-SHO/FZR/FZS C3 MONSTER CHARGER WHEEL

R&D's new C3-11 Blade Series Racing Monster Compressor Wheel Kit for Yamaha FX-SHO/FZS/FZR engines is an exciting new racing product that will deliver "horsepower you can feel" with instant throttle response, aggressively improved low and mid range

acceleration, and increased top end performance. The R&D Monster Wheel replaces the stock wheels low performing 5 blade design with a modern low profile, high flow 11 blade high tech design with a larger exducer diameter to move more air flow at lower rpm's producing better holeshot horsepower. The R&D C3 Monster Wheel and R&D Exducer Seal Plate Kit will install directly into the O.E.M. stock compressor housing with no modifications. The C3 Racing Monster will require the R&D High Performance Intercooler Kit, and an R&D Impellor upgrade. The C3-11 performs well on 91 octane pump gasoline. Boost rated 10psi @ 7700rpm and 13psi @ 8300rpm. The new R&D 11 blade series compressor wheels offer the highest levels of airflow and horsepower gains available for the 1.8 Yamaha engine using the stock E.C.U.

- Increased boost pressure (5psi over stock @ 7700 rpm)
- Increased airflow (2.5-3 pound per minute gain)
- 35+ Horsepower increase and 2 MPH Gain (with stock ECU)
- 300+ Horsepower using aftermarket ECU (MOTEC)
- Precision balanced (turbo specs .012-.027 gram inches)
- Utilizes O.E.M. ignition system with R&D Impellor Upgrade
- Utilizes O.E.M. fuel injectors • 91 octane pump gas friendly

NOTE: The C3 Monster Wheel Kit will require pump impellor upgrades over the C1 impellor suggestions.

Description	Part No.
R&D FX-SHO/FZR/FZS C3 Monster Charger Wheel	612-25003



## R&D SHO/FZR/FZS C5 MONSTER CHARGER WHEEL

The new "drop-in" R&D C5 Monster

Compressor Wheel and Exducer Seal Plate Kit installs directly into the OEM supercharger without any modification. The new C5 delivers "horsepower you can feel" with instant throttle response, aggressively improved low and mid range acceleration, and intensified top end performance. The new C5 features a light weight, high flow, 8 blade design with 8 supporting splitter veins and an increased exducer diameter over stock. R&D's large exducer diameter and aggressive blade design is the key to improving CFM airflow volume throughout the RPM range. The oversized exducer diameter increases the size of the supercharger by enhancing air pumping volume and efficiency. The C5 out performs any OEM sized compressor wheel in its boost pressure classification.

The R&D Monster Wheel Kit produces 14-15 pound per minute airflow gain with a solid 15-16 pounds of boost pressure @ 8400-8500 rpm, 17+ @ 8700-8800 rpm. The new drop-in R&D C5 also offers superior off throttle surge reduction over other 15-16 pound boost wheels. The new R&D C5 series compressor wheels offer the highest levels of airflow and horsepower gains available for the 1.8L Yamaha engine in the 15-17 pound boost range. A properly tuned C5 set up (with supporting modifications) can produce well over 325 horsepower. In addition, no other rotating group on the market is lighter or more powerful than the new C5 Monster Wheel combined with the R&D Billet Supercharger Shaft.

In sum, the R&D C5 Monster Wheel and Shaft weighs less, has less surge, rockets to 80 in less seconds and carves through corners in less time than any other wheel and shaft in its class. Hit the throttle, hang on and discover the astounding sensation that's called Power!

- Aggressive throttle response, increased horsepower
- Increased boost pressure (10psi over stock @ 8500 rpm)
- Increased airflow volume (14-15 pound per minute gain)
- 100+ horsepower increase (with R&D R3 ECU)
- 325+ horsepower using aftermarket ECU
- Precision balanced (turbo specs .012-.027 gram inches)
- Utilizes O.E.M. Reprogrammed R3 ECU ignition system
- Utilizes O.E.M. fuel injectors w/R&D RRFPR, R3, and Powershot
- 91 octane pump gas friendly with R3 ECU
- Less weight and surge
- Easy installation

### C5 Modification Requirements:

R&D High Performance Pro Series Intercooler Kit w/R&D Greddy BOV  
R&D Rising Rate Fuel Pressure Regulator Kit  
R&D R3 ECU upgrade to allow 8500-8850 RPM  
R&D Powershot  
R&D Engine/intercooler Cooling Kit  
R&D Twin Prop

NOTE: The C5 Monster Wheel will work best in sea level to 2000 ft. elevations, or in ambient air temperatures between 60 and 100 degrees. NOTE: The C5 Monster Wheel Kit will require serious impellor upgrades.

Description	Part No.
SHO/FZR/FZS C5 Monster Charger Wheel	612-25005

# YAMAHA FX-SHO & FZ • SUPERCHARGER



## R&D FX-SHO/FZR/FZS C8 MONSTER WHEEL

The new "drop-in" R&D C8 Monster Compressor Wheel and Exducer Seal Plate Kit installs directly into the OEM supercharger without any modification. The new C8 delivers "horsepower you can feel" with instant throttle response,

aggressively improved low and mid range acceleration, and intensified top end performance. The new C8 features a light weight, high flow, 8 blade design with 8 supporting splitter veins and an increased exducer compression height over stock. R&D's larger exducer height and aggressive blade design is the key to improving CFM airflow volume throughout the RPM range. The increased exducer height dimension increases the size of the supercharger by enhancing air pumping volume and efficiency. The C8 out performs any OEM sized compressor wheel in its boost pressure classification. After all, its airflow volume gains that increase horsepower.

The R&D Monster Wheel Kit produces 18 plus pounds of boost pressure @ 8700-8900 rpm, 16+ @ 8500-8600 rpm. The new drop-in R&D C8 also offers superior off throttle surge over other 16-18 pound boost wheels. Less surge increases supercharger clutch reliability.

The new R&D C8 series compressor wheels offer the highest levels of airflow and horsepower gains available for the 1.8L Yamaha engine. A properly tuned C8 set up (with supporting modifications) can produce well over 325+ horsepower. In addition, the rotating group of the new C8 Monster Wheel combined with the R&D Billet Supercharger Shaft is the undisputed Light Weight Champ, no other rotating group on the market is lighter or more powerful.

### Less is More

In sum, the R&D C8 Monster Wheel and Shaft weighs less, has far less surge over competitors' wheel kits, rockets to 80 in less seconds and carves through corners in less time than any other wheel and shaft on the planet. Hit the throttle, hang on and discover the astounding sensation that less IS more...much, much more.

- Aggressive throttle response, increased horsepower
- Increased boost pressure (12psi over stock @ 8800 rpm)
- Increased airflow volume (14-15 pound per minute gain)
- 100+ horsepower increase (with R&D R3 ECU)
- 350+ horsepower w/supporting parts
- Precision balanced (turbo specs .012-.027 gram inches)
- Utilizes O.E.M. Reprogrammed R3 ECU ignition system
- Utilizes O.E.M. fuel injectors w/R&D RRFPR, R3, and Powershot
- 91 octane pump gas friendly with R3 ECU
- Less weight and surge
- Easy installation

### C8 Modification Requirements:

R&D High Performance Pro Series Intercooler Kit w/R&D Greddy BOV  
 R&D Rising Rate Fuel Pressure Regulator Kit  
 R&D R3 ECU upgrade to allow 8500-8850 RPM  
 R&D Powershot  
 R&D Engine/intercooler Cooling Kit  
 R&D Twin Prop

Boost rating: 12psi @ 7800rpm, 15/16psi @ 8400-8500rpm, 17psi @ 8700-8800rpm, 18psi @ 9200-9500rpm.

NOTE: The C8 Monster Wheel will work best in sea level to 2000 ft. elevations, or in ambient air temperatures between 60 and 100 degrees. NOTE: The C5 Monster Wheel Kit will require serious pump impellor upgrades.

Description	Part No.
FZR C8 Monster Charger Wheel	612-25008



## R&D FX-SHO/FZR/FZS C20X MONSTER WHEEL

Twenty pounds of boost now available. R&D's leading the way in performance with the new C20X Racing Monster Compressor Wheel Kit for the Yamaha FX-SHO, FZ, and FZR. The C20X delivers arm stretching power like you have never experienced. The C20X pumps out 18 pounds of boost @ 8500-8700 rpm and 20 pounds of boost @ 9000 rpm with a 17.5-18.5 pound per minute airflow gain

through its high flow 8 blade wheel design featuring oversized inducer and exducer wheel diameters. R&D's large inducer and exducer wheel diameters along with an aggressive blade design are the key to improving CFM airflow volume throughout the RPM range. The oversized inducer and exducer diameters increase the size of the supercharger by enhancing air pumping volume and efficiency. After all, its airflow volume gains that increase horsepower. The C20X Racing Monster wheel requires the R&D High Performance Pro Series Intercooler Kit, R&D 1000cc Fuel Injectors, R&D Rising Rate Fuel Pressure Regulator Kit, and an aftermarket ECU (MoTeC or ViPEC) upgrade to allow proper engine tuning. R&D also suggests upgrading to R&D Forged Racing Rods and Performance Pistons. The new R&D C20X is for Racing use only and requires 110 octane racing fuel. Boost rated to 18 plus at 8500-8700 and 20 pounds at 9000. The new R&D C20X series compressor wheels offer the highest levels of airflow and horsepower gains available for the 1.8 Yamaha engine. Aftermarket ignition systems and a C20X Monster properly tuned can achieve up to 400 Horsepower.

The new C20X will require a shop service to bore out your compressor front housing to except the larger C20X compressor wheel. For those customers that have previously purchased the C5-11 and already have the shop service to the compressor front housing, just order the C20X wheel kit and change out the wheel. No other supercharger compressor wheel kit has stolen more holeshots and won more National and Offshore Titles than the R&D Monster Wheel Kits. If 20 pounds of boost is truly what you're looking for, well look no further and just give us a call. The new C20X has been tested against all other existing wheels on the market and is guaranteed to blow them away!

- Aggressive throttle response, increased horsepower
- Increased boost pressure (+12psi over stock @ 8700 rpm)
- Increased airflow (17.5-18.5 pound per minute gain)
- 150-175 horsepower increase
- Aftermarket ECU REQUIRED (MOTEC M400/ViPEC)
- Aftermarket R&D Fuel Injectors REQUIRED
- Aftermarket R&D RRFPR REQUIRED
- Precision balanced (turbo specs .012-.027 gram inches)
- Utilizes O.E.M. fuel injectors w/R&D RRFPR, R2 and Powershot
- VP C12 octane RACE gas friendly
- Easy installation

NOTE: The R&D C20X Monster Compressor Wheel delivers a 17.5-18.5 pound per minute airflow gain (approximately 150 plus horsepower at sea level at 8500 rpm's). Pound per air volume gain is based on the rate of 1 pound of air gain per minute for every 8-10 H.P. gain. The C20X Monster Wheel will work best in sea level to 2000 ft. elevations, or in ambient air temperatures between 60 and 100 degrees. R&D strongly suggests that the R&D High Performance Racing Intercooler Kit, Aftermarket ECU, R&D RRFPR be installed with the C20X Kit. Trust the pros at R&D to boost up your airflow volume, after all, its airflow volume gains that increase horsepower. NOTE: The C20X Monster Wheel Kit requires serious pump impellor upgrades.

Description	Part No.
C20X Monster Wheel And Exducer Kit Only	612-25006
C20X Monster Wheel And Exducer Kit with Machining Service to your Front Housing	612-25007
Watercooled Supercharger Cover for C20X	612-24001

4 STROKE	YAMAHA
SYSTEMS	NATKE
GASKETS	ENGINE/
EXHAUST	EXHAUST
HANDLING	DRIVE LINE
ELECTRICAL	ELECTRICAL
WATERLINE	WATERLINE
& BILGE	/BILGE
STEERING	STEERING
& CONTROLS	& CONTROLS
BODY	BODY
ACCESSORIES	ACCESSORIES
SERVICE TOOLS	SERVICE TOOLS
/HARDWARE	/HARDWARE
CHEMICAL	CHEMICAL



## R&D FZR C19 MONSTER PRO LIMITED WHEEL KIT

R&D now offers the new C19 Monster Pro Limited Wheel Kit. The new Billet C19 Monster Compressor Wheel is specifically developed to pump maximum boost and CFM possible utilizing the O.E.M. compressor housing. R&D has taken full advantage of the IJSBA's new rule allowance to change out the compressor wheel backing plate to an aftermarket part. R&D has increased the exducer size and deck area to pump as much air as the stock housings will possibly allow with bolt in parts. The C19 pumps out 19 pounds of boost @ 8600-8800 rpm and up to 20 pounds of boost @ 9000 rpm. The C19's large exducer wheel diameters along with an aggressive blade design are the key to pumping more CFM airflow volume throughout the entire RPM range. The new R&D C19 series compressor wheels offer the highest levels of boost, CFM airflow, and horsepower gains available for the 1.8 Yamaha engine in Pro Limited Class category. The R&D C19 Monster Wheel, R&D Racing Camshafts, and a properly tuned fuel and E.F.I. system can achieve up to 400 horsepower.

If "Max Boost" is truly what you're looking for, look no further and give the pro's at R&D a call. The new C19 has been tested against all other existing wheels on the market that fall into Pro Limited Class Specs, and is guaranteed to out boost and out power them all! The C19 wheel requires the use of an intercooler system capable of flowing 500 CFM (Most on the market are not even close to 500 CFM and are restrictive). R&D suggests the use of an R&D Racing Intercooler Kit (600+ CFM rated), R&D Rising Rate (adjustable) Fuel Pressure Regulator Kit, R&D Super Clutch System and an R&D Pro Limited ECU Program upgrade to ensure proper engine tuning, and proven (safe) rev control functions. R&D also suggests upgrading to R&D 8.6-1 Forged Racing Pistons.

- Aggressive throttle response, increased horsepower
- Increased boost pressure up to 20 pounds (boost will vary depending on cam spec data)
- Increased airflow (20 pound per minute gain over stock)
- 150-175 horsepower increase over stock @205-210 (depending on cam spec data)
- R&D ECU Reprogramming **REQUIRED** (specify fuel type)
- R&D aftermarket fuel pump system **REQUIRED**
- R&D fuel pressure regulator **REQUIRED**
- VP MS109 octane RACE gas friendly

NOTE: The R&D C19X Monster Compressor Wheel delivers 41-42 pounds of air per minute, that's and additional 20 pound per minute airflow gain over a stock compressor. Pound per air volume gain is based on the rate of .9 pound of air gain per minute for every 8-10 H.P. gain. The C19 Monster Wheel will work best in sea level to 2000 ft. elevations, or in ambient air temperatures between 60 and 100 degrees. The C19 Monster Wheel Kit power output will require serious pump assembly, impellor, and compression nozzle upgrades. Call R&D for the latest in pump assembly and impellor suggestions.



## R&D FZR C24 MONSTER WHEEL & WATER COOLED COMPRESSOR HOUSING KIT

R&D now offers the new C24 Monster Wheel & Water Cooled Compressor Housing Kit. The new Billet C24 Monster Compressor Wheel and Water-cooled Housing System can pump up to 24 pounds of boost utilizing the OEM cams and cam timing. The C24 pumps out 20-22 pounds of boost @ 8600-8800 rpm and 24 pounds of boost @ 9000 rpm. The C24's large inducer and exducer wheel diameters along with an aggressive blade design are the key to pumping more CFM airflow volume throughout the entire RPM range. The R&D C24 series compressor wheels offer the highest levels of airflow and horsepower gains available for the 1.8 Yamaha engine. The R&D C24 Monster Wheel, R&D Racing Camshafts, and a properly tuned ECU and E.F.I. system can achieve well over 425+ horsepower. The C24 Water Cooled system was used by Ron Allison to win the 2011 HydroDrag Pro Super Stock Speed Alley competition.

The C24 wheel requires the use of an intercooler system capable of flowing 500-600 CFM. (Most on the market are not even close and are restrictive) R&D suggests the use of an R&D High Performance Intercooler Kit (600 cfm plus rated), R&D 1000cc Fuel Injectors, R&D Rising Rate (adjustable) Fuel Pressure Regulator Kit, and an R&D R12 ECU Program upgrade to the stock ECU to ensure proper engine tuning, and proven (safe) rev control functions. R&D also suggests upgrading to R&D Forged Racing Rods and Performance Pistons.

- Aggressive throttle response, increased horsepower
- Increased boost pressure up to 24 pounds (boost will vary depending on cam spec data)
- Increased airflow (26 pound per minute gain over stock) (49 pounds total at 450 h.p.)
- 220-240 horsepower increase over stock @205-210 (with supporting modifications)
- R&D R12 ECU Reprogramming **REQUIRED**
- R&D 1000cc Fuel Injectors **REQUIRED**
- R&D fuel pressure regulator **REQUIRED**
- VP C12 octane RACE gas friendly
- Installs on to the OEM Supercharger with no modifications

NOTE: The R&D C24X Monster Compressor Wheel delivers a 49-50 pounds of air per minute, that's and additional 26 pound per minute airflow gain over a stock compressor. Pound per air volume gain is based on the rate of .9-1 pound of air gain per minute for every 8-10 H.P. gain. The C24 Monster Wheel will work best in sea level to 2000 ft. elevations, or in ambient air temperatures between 60 and 100 degrees. The C24 Monster Wheel Kit power output will require serious pump assembly, impellor, and compression nozzle upgrades. Call R&D for the latest in pump assembly and impellor suggestions.

Description	Part No.
R&D Billet C24 Monster Wheel and Water Cooled Compressor Housing Kit	612-25010
R&D Billet C24 Monster Wheel Kit	612-25011

Description	Part No.
R&D Billet C19 Monster Wheel Kit	612-25009

YAMAHA  
4 STROKE  
INTAKE  
SYSTEMS  
ENGINE/  
GASKETS  
EXHAUST  
DRIVE LINE  
HANDLING  
ELECTRICAL  
WATERLINE  
/BILGE  
STEERING  
& CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS  
/HARDWARE  
CHEMICAL

# YAMAHA FX-SHO & FZ • SUPERCHARGER



## R&D FZR WATER-COOLED SUPERCHARGER SYSTEM

Ever wonder why the supercharger is so HOT? Heat is a derivative of compressed air (boost). The more boost pressure, the hotter the supercharger gets. The engineers at R&D understand the key in producing more horsepower and maximizing performance, is managing heat.

R&D is proud to announce the new Water-Cooled Supercharger Housing System. The new R&D Water-Cooled Supercharger System is fully water jacketed and eliminates heat at its source, the Supercharger. The new system replaces the OEM inducer cover and mounts directly to the OEM Supercharger body.

The system features a High Performance Volute (intake air path), Internal Anti-Surge Port, 100% Water-Cooling and a custom R&D Power Plenum Air Filter. Now since the Supercharger is the coolest part in the engine compartment and runs at lake temperature, it only made sense to design a custom R&D Power Plenum Air Filter that would take full advantage of the new found cool air, now located directly in front of the Supercharger.

System installs in 45 minutes and comes complete with all necessary hardware and pictorial instructions.

**Performance Benefits:** Up to 200° F cooler supercharger temperature, cooler and denser intake air, decreased engine compartment temperature, improved clutch life through Internal Anti-Surge Port, increased RPM (up to 200 rpm), increased boost pressure, improved top speed, no heat fade, consistent peak engine rpm.

**Fitment:** The R&D Water-Cooled System fits all supercharger wheels that fit into the OEM charger housing.

Description	Part No.
R&D SHO/FZR/FZS Water-Cooled OEM Supercharger System for (C1, C3, and C5)	612-24000
R&D SHO/FZR/FZS Water-Cooled Supercharger System (For C20X)	612-24001



## R&D SUPERCHARGER BLOCK-OFF PLATE

The R&D Supercharger Block-off Plate is designed to seal the case on the front of the engine that is exposed when the supercharger is removed for a Turbo.

Description	Part No.
R&D Supercharger Block-off Plate	612-19100



## RIVA FX-SHO/FZR SUPERCHARGER IMPELLERS

RIVA Racing released the ultimate (drop-in) performance supercharger impellers for the Yamaha 1.8 liter FX-SHO Engine! Working closely with Vortech Engineers, RIVA designed these impellers to deliver more horsepower and torque throughout the RPM range resulting in excellent acceleration and top speed. Investment cast from an extremely strong, lightweight proprietary aluminum and CNC machined to ensure exact tolerances. All new blade design is optimized aerodynamically and precision balanced to deliver smooth operation. Installs easily into stock supercharger housing with no modifications required. Includes detailed installation instructions.

B1 produces 11.5psi @ 7,700rpm • E1 produces 16psi @ 8,000rpm

*NOTE: Both impellers require use of aftermarket engine management system for proper calibration*

Description	Part No.
RIVA FX-SHO/FZR S/C Impeller - 11.5 psi	RY17040-SCI-B1
RIVA FX-SHO/FZR S/C Impeller - 16 psi	RY17040-SCI-E1



## RIVA FX-SHO/FZ 'H1' RACE CHARGER IMPELLER & HOUSING

The 'H1' Race Charger was designed for serious racers and tuners who demand the ultimate performance gains. H1 Impeller and housing combo delivers 20psi of boost pressure at 8,500rpm producing up to 400hp on modified engines. High performance impeller and housing combo increase horsepower through superior blade design and larger interior housing volume. Impeller features a sophisticated HKS blade design that is precision balanced for smooth operation. Requires aftermarket ECU and upgraded engine components for proper calibration and durability.

**FOR COMPETITION USE ONLY.** RIVA Racing is not liable for possible damage to associated parts or labor costs incurred due to the installation of this racing component.

**Performance Data:**  
 • 16.5psi @ 7,500rpm • 17psi @ 7,700rpm  
 • 18psi @ 8,000rpm • 20psi @ 8,500rpm

Description	Part No.
RIVA FX-SHO/FZ 'H1' Race Charger Impeller & Housing	RY17040-IH-H1

YAMAHA
4 STROKE
NAIPE SYSTEMS
ENGINE/GASKETS
EXHAUST
DRIVE LINE HANDLING
ELECTRICAL
WATERLINE /BILGE
STEERING & CONTROLS
BODY
ACCESSORIES SERVICE TOOLS
/HARDWARE
CHEMICAL

# YAMAHA FX-SHO & FZ • SUPERCHARGER

YAMAHA 4 STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL

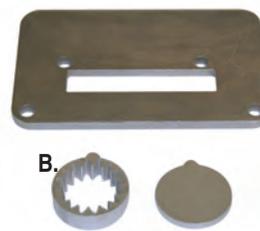


## ENGINE-TECH YAMAHA FZR SUPERCHARGER IMPELLER

This is a drop in impeller so no modifications to the housings are necessary. Weighing a mere 106 grams this is the lightest impeller on the market reducing wear and tear on the clutch/shaft assembly. Output is 15+ psi @7700 rpm and an amazing 18+psi @8500 rpm.

*Must be used with adjustable fuel regulator, high flow intercooler and ECU (Motec or equiv, Motec map available upon request)*

Description	Part No.
Engine-Tech FZR SC Impeller (18+ lbs)	ETYAMSHO



## R&D SPECIALTY SUPERCHARGER TOOLS

R&D has designed custom tools that are essential in the rebuilding process of the Yamaha Supercharger. All tools are specific in application and are CNC machined to ensure a precision job.

Description	Part No.
A. Supercharger Housing Holder Bracket Tool	612-92010
B. Shaft/Gear Holding Tool	612-92011



## RIVA YAMAHA FX-SHO/FZ HEAVY DUTY SHAFT UPGRADE KIT

RIVA Heavy-duty Supercharger Shaft Upgrade Kit delivers increased strength & reliability to your Yamaha SC System. Upgraded shaft & bearings directly replace OEM parts for maximum durability in performance applications. Manufactured exclusively for RIVA by HKS, these components feature superior materials & finishing treatments for reduced friction and abrasion resistance.

Key benefits include:

- Reduced friction between moving parts
- Increased fatigue strength in parts
- Higher resistance to surface abrasion
- Improved seize resistance

Kit includes supercharger shaft, 2 bearings, shaft nut and instructions.

Description	Part No.
RIVA Heavy-Duty SC Shaft Upgrade Kit	RY17040-UK-6S5



## RIVA FX-SHO/FZ HEAVY DUTY SUPERCHARGER BEARING

RIVA's heavy duty one-piece bearing features increased surface area providing improved torsional stability of supercharged shaft. Bearing is constructed with superior materials & finish treatment for reduced friction & abrasion resistance. Compatible with all RIVA Supercharged Shaft Kits as well as OEM supercharger shaft.

Description	Part No.
RIVA Heavy-Duty Supercharger Bearing	RY17040-HDSCB-6S5



## R&D YAMAHA SHO/FZR BILLET SUPERCHARGER SHAFT KIT

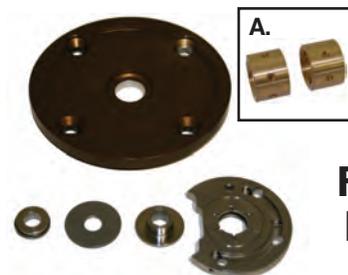
R&D's new High Performance Billet Supercharger Shaft

eliminates the weak design features of the OEM and aftermarket HKS supercharger shafts. After analyzing the OEM HKS shaft design and sorting through the various failures we had with it while testing our popular Monster S/C Wheels, we developed a superior shaft design. The new R&D shaft is not a copy of the fragile HKS design. Rather, it is a completely new design, superior in material strength and improved in every way. The new R&D Shaft is precision CNC machined, heat treated, and precision ground from billet steel alloy. Featuring a uni-structure design that incorporates the shaft and gear as one billet piece, much like a transmission shaft. This eliminates the fracture point on the OEM design where the gear shears off the end of the shaft. The billet design will not allow the gear to slip under high boost loads like the pressed on OEM gear.

Next R&D increased the inadequate 6mm thread diameter on the OEM shaft to utilize a well proven "Turbo spec" LARGER 5/16-24 left handed thread that will not break under extreme conditions. The larger thread diameter will also allow wheel torque specs to be increased safely.

Lastly, R&D reduced the weight of the R&D Supercharger shaft by eliminating the hex nut on rear the gear and lightened the end of the shaft/gear inside diameter to significantly reduce reciprocating weight. We all know what that will do to add to clutch performance. Kit comes complete with larger nut and installation instructions. All in all, the new R&D High Performance Billet Racing Shaft is not just a replacement shaft, but a solution to end all supercharger shaft problems.

Description	Part No.
R&D FX-SHO/FZR Billet Supercharger Shaft Kit	612-25020



## R&D FX-SHO/FZR HIGH PERFORMANCE SUPERCHARGER REPLACEMENT THRUST BEARING/SEAL KITS & DUPLEX BEARING KIT

R&D offers an answer to both repairing & upgrading the O.E.M. superchargers vulnerable thrust bearing and main shaft bearing assemblies. Engines with superchargers running higher boost pressures and higher rpm frequencies will eventually need bearing servicing. Servicing the supercharger main bearings periodically or upgrading to R&D's new "Duplex Bearing System" will extend the life of the superchargers thrust bearing significantly. R&D offers both standard replacement bearing kits, and the new "Duplex Bearing Kit" that will work in any Yamaha supercharger. R&D also offers complete rebuild kits for stock superchargers running C1 Monster Wheel Kits and all supercharger wheel kits using the stock exducer size. R&D also offers rebuild kits for all C3, C5, C7 Monster Wheel Kits with larger exducers.

Description	Part No.
A. OEM Replacement Bearing Kit (stock/ltd class legal)	612-25025
Supercharger Rebuild Kit with OEM Exducer/Thrust Bearing Assembly Kit	612-25028
Supercharger Rebuild Kit with C3/C5 Exducer/Thrust Bearing Assembly Kit	612-25030



## RIVA 'GEN-3' SUPER-DUTY SUPERCHARGER SHAFT KIT

RIVA's Super-Duty 'GEN-3' Supercharger Shaft Kit provides the

ultimate in reliability for high boost applications. Kit features a revolutionary hydraulic shaft stabilization bearing that limits shaft deflection and wear. Bearing stabilizes end of supercharger shaft via high pressure oil film dramatically increasing the stability of the system. Hydraulic end bearing and one-piece shaft bearing are fed by a through-shaft oiling system providing superior lubrication. Oil is delivered by braided stainless line and injected into a billet end cap that houses hydraulic bearing. Shaft is precision machined from a single piece of highstrength billet steel producing shaft, collar & gear as one piece. This eliminates the common failure point on stock shafts where OEM gear is pressed onto shaft. Shaft also features larger diameter threads & nut for added strength. Kit includes new one piece bearing with increased surface area providing improved torsional stability of shaft. Bearing features superior materials & finish treatment for reduced friction & abrasion resistance. This Shaft & Bearing Kit is a direct replacement for OEM parts and requires no additional modifications for use.

### Key Features Include:

- Hydraulic end bearing minimizes shaft deflection.
- Through-shaft oiling system maximizes lubrication.
- Braided stainless steel oil line delivers additional lubrication.
- One piece shaft/collar/gear construction.
- Stronger billet material & superior surface finish.
- Larger diameter threads & nut.
- One-piece bearing improves shaft stability.
- Bolt-on installation (no machining required).
- Manufactured exclusively for RIVA Racing by HKS.

### Description

RIVA 'Gen-3' Super-Duty Supercharger Shaft Kit for FZR/FZS & FX-SHO

### Part No.

RY17040-UK-6S5-3



## RIVA SUPERCHARGER GEAR DAMPENER

RIVA's damper unit is designed to protect gear teeth & sprag clutch on supercharger drive system. Dampener features innovative cushioning mechanism that insulates gears from harsh clutch engagement. Directly replaces OEM intermediate gear located between clutch and supercharger shaft. Constructed

with superior materials and thicker gear teeth than OEM. Designed to be used with new style 2011/12 Yamaha clutch (part# 6S5-17800-10-00) and RIVA Supercharger Shaft Upgrade Kits.

### Key Features Include:

- Dampener mechanism protects supercharger drive gears.
- Improves sprag clutch durability.
- Stronger materials and thicker gear teeth than OEM.
- Directly replaces OEM intermediate gear.
- No auxiliary clutch systems or maintenance required.
- Superior bearing material & thickness.
- Use with new style 2011/12 Yamaha clutch and RIVA Supercharger Shaft Kits.
- Manufactured exclusively for RIVA Racing by HKS.

### Description

RIVA Supercharger Gear Dampener

### Part No.

RY17040-SGD-6S5



## R&D YAMAHA SUPERCLUTCH DRIVE GEAR

The R&D engineering staff has spearheaded another industry first. We are proud to introduce the new Revolutionary R&D Super Clutch Drive Gear System. This is the first Yamaha Drive Gear that features a clutch system. The Super Clutch Drive Gear has a "Double Action" 2-way clutch system that utilizes an "Oil-Loaded" Friction Disc Design which cancels and neutralizes constantly changing rotational mass energies, and aggressive moment-of-inertia shock loads that cause premature OEM Sprag clutch and gear failures.



The R&D Super Clutch Drive Gear System is CNC machined from premium billet steel alloy, heat treated for Bionic strength and hardness, precision ground to strict aircraft tolerances, and polished for a low friction finish.



This system features a unique billet steel Gear-Hub design that uses a high pressure through-shaft oiling technique to lubricate the drive gear bearings and clutch friction discs. The 50 tooth Drive Gear is also machined from billet steel alloy, heat treated for ultimate strength and hardness, and the tooth profile is CNC precision ground to Yamaha specifications. The clutch surfaces of the gear feature special "oil-holding" wiper slots that provide improved oiling to increase lubrication to the clutch discs. Knowing the detriment to the Sprag clutch of a heavy Drive Gear, we designed the Super Clutch Drive Gear with 6 lightening window pockets to have the least amount of rotational weight. The complete system tips the scales at only 382.8 grams, that's 15% lighter than the OEM Drive Gear.

The clutch discs are precision machined, heat treated, and ground to exact tolerance utilizing only the finest materials tested and proven to be the best in these type systems. The clutch is adjustable for any boost pressure.

This is a bolt-on clutch upgrade. There is no machine work required to install. The Super Clutch is compatible with all years of OEM Sprags clutches and all OEM or Aftermarket Yamaha supercharger shafts.

Technology and Design performance make this Super Clutch the finest and most effective clutch system available. Order yours today, and Crank up the Boost!

### Performance Features:

- Heavy Duty, Bionic Strong, Billet Steel Construction
- Heat Treated, Precision Ground, and Low Friction Polished
- Super Clutch 2-Way System Eliminates the Forces that Cause Premature OEM Sprag Clutch and Gear Failures
- Adjustable for ANY Boost Pressure
- Through-Shaft Oil Pressure Lubricated Bearings and Clutch
- 15% Lighter than OEM Drive Gear Rotating Mass
- Directly Replaces OEM Drive Gear
- Compatible with all years of OEM Clutches
- Compatible with all OEM/Aftermarket S/C Shafts
- Easy Clutch Adjustments with Supplied Tool Kit
- No Modification Required to Install

### Description

R&D Yamaha Superclutch Drive Gear

### Part No.

612-19300

\*Available early Summer 2012

YAMAHA  
4 STROKE

NAKKE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGE

STEERING  
& CONTROLS

BODY

ACCESSORIES

SERVICE TOOLS  
/HARDWARE

CHEMICAL

# YAMAHA FX-SHO & FZ • SUPERCHARGER

YAMAHA  
4 STROKE

INTAKE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGE

STEERING  
& CONTROLS

BODY

SERVICE TOOLS  
ACCESSORIES

HARDWARE

CHEMICAL

## R&D YAMAHA SUPERCLUTCH



The R&D Superclutch elevates all clutch performance aspects to a higher level. The Superclutch is a supplemental clutch system

that is designed "specifically" for the Yamaha to be used along with the OEM Sprag drive system. The R&D clutch design utilizes an "Oil-Loaded" Friction Disc design which will dampen constantly changing rotational mass energies, and aggressive moment of inertia shock loads that have proven to over stress the OEM Sprag clutch drive and cause failures.

The new R&D Superclutch and shaft system is CNC machined from premium billet steel alloy, heat treated, and precision ground between centers to strict aircraft tolerances. This R&D system features a unique one-piece billet shaft design that utilizes a proven high pressure, through-shaft oiling technique to lubricate the billet drive gear bearing, clutch system friction discs, and the "all important" additional rear third bearing. The Superclutch shaft features (an R&D standard) oversized threads and a flanged nut proven in design to not fatigue or break under extreme conditions and allows charger impellor torque specs to be increased safely.

The R&D Superclutch drive gear is machined from billet steel alloy, heat treated for proper hardness, and the tooth profile is precision CNC ground to OEM Yamaha specifications. The clutch surfaces of the R&D gear features special "oil-holding" wiper slots that provide improved oiling to increase lubrication to the clutch discs. The R&D clutch discs are precision machined, heat treated, and ground to exact tolerance utilizing only the finest materials tested and proven to be the best in these type systems.

The R&D third bearing support design is integrated into a new back housing cover machined from billet aluminum with a creative precision alignment flange to insure 100% trueness and support to the third bearing. The third bearing assembly adds a tremendous amount of shaft support which will keep the shaft in line and free from the stresses of "gear climb". The third bearing assembly will also relieve stresses on the chargers main thrust system. For Periodic clutch maintenance and adjustments, R&D has made it easy. The clutch slip can be adjusted easily, and clutch discs inspected and or changed out without removing the shaft from the supercharger with the special tool kit provided with each system.

Minor machine work is required to the rear of the supercharger housing in order to achieve proper drive gear alignment (mating to the jack gear) and to true up the back cast surface so the third bearing housing cover mounts precision and true to the shaft centerline position. Machining is available from R&D, or your local machine shop can follow the kit supplied blue print.

### Key Features Include:

- Precision one piece shaft design
- Billet drive gear with precision ground tooth profile to Yamaha Spec.
- Billet drive gear is precision oil sleeved (No needle bearings)
- Large turbo type compressor sized threads
- Unique clutch oiling system offers reduced clutch wear and galling prevention
- Rear (3RD) bearing support system offers precision centering and alignment
- Rear (3rd) bearing reduces front thrust stack stress and premature wear
- Easy maintenance and adjustments allowed with No Main shaft Disassembly
- Easy clutch adjustments and servicing with kit supplied tool kit

Description	Part No.
R&D Competition Clutch-Shaft	612-19200
R&D Clutch Disc Rebuild Kit	612-19201

\*Available early summer 2012

## R&D SUPERCHARGER CLUTCH REMOVAL TOOL



This R&D tool enables the clutch to be changed in a matter of only minutes. With the supercharger and front engine cover removed the tool drops down through the case and secures the drive gear at the front of the crankshaft from rotating when the clutch is removed and installed. This is a "must have" tool that will save massive amounts of time for any mechanic.

Description	Part No.
R&D Supercharger Clutch Removal Tool	612-92012

## R&D FRONT COVER GASKET



R&D's new Front Cover Gasket features a metal reinforced center that enables it to be reusable when servicing the supercharger clutch.

Description	Part No.
R&D Front Cover Gasket	080-21024

## R&D FX-SHO/FZR/FZS SILICONE INTAKE HOSE KIT



The R&D Yamaha FX-SHO/FZR/FZS Supercharger High Performance Hose Kit was developed while testing the R&D Monster

Compressor Wheel Kits. Higher boost pressures create higher intake air temperatures of up to 235 degrees. The O.E.M. standard black rubber hose and standard hose clamps just do not hold up to the pressures and heat like high quality, high temperature silicone hose and high strength stainless steel T-bolt style hose clamps. The R&D "Blue Hose" is manufactured from high performance, turbo charger quality high-temperature silicone. The R&D silicone hose installs easily in place of the OEM rubber elbow hose, and T-bolt clamps will keep the hose secure for the longest of endurance races.

Description	Part No.
R&D FX-SHO/FZR/FZS Silicone Intake Hose Kit	612-18007



2012 IJSBA HOT PRODUCTS MARK HAHN MEMORIAL  
HAVASU 300 ENDURANCE RACE IN LAKE HAVASU CITY, ARIZONA  
RACE START!



## R&D/TIAL 50MM SURGE/BLOWOFF VALVE KIT



R&D announces the release of the new R&D/Tial 50mm Surge/Blow-off Valve Kit. R&D has been committed to on going research for any part that proves to be an aid in reducing the inherent and well known clutch issues related to running high performance boost wheels and high boost pressures in the Yamaha 1.8 Supercharged engine. R&D has noticed a significant reduction in clutch related issues in high boost ranges by "Going Big". R&D engineers have concluded through endurance testing that the new 50mm R&D/Tial Valve with its huge 50mm lightweight billet aluminum

piston, and 4 massive (bigger than any other valve) pressure relief ports, to outperform the smaller (25-35mm) HKS Sequential, and 35mm Greddy RZ Valves. The trick R&D has found with this valve is, in aggressive off throttle situations with a gear driven supercharger the big Tial 50mm piston responds quickly to allow the reduction of boost pressure which relieves back pressure that can affect the clutch. The new 50mm design also has a much larger diaphragm over HKS and Greddy, which helps the piston react quicker to relieve pressure. If you are running Boost Wheels that produce over 15 pounds of boost, R&D strongly suggests looking into a larger valve setup. It only stands to reason that with higher boost pressures, a larger valve can allow quicker discharge of air volume. Valve kit comes complete with Aluminum weld-on adaptor, o-ring seal, billet Aluminum V-clamp, and banjo style vacuum fitting.

- Aggressive throttle response, increased horsepower from a better seal
- Increased boost pressures over smaller valves that don't seal well
- Improved valve action with larger diaphragm and variable spring control
- Improved clutch performance from reduced off throttle back pressures
- Precision sequential valve operation
- Installs easy and clean to the O.E.M. intercooler inlet/outlet
- Works well on R&D Pro Series Intercoolers

Description	Part No.
A. R&D/Tial 50mm BOV Valve Only	613-95263
B. R&D/Tial 50mm BOV Kit	612-18009



## R&D FX-SHO/FZR SURGE PROTECTOR KIT

The R&D Yamaha FX-SHO/FZR Surge Protector Kit will significantly improve supercharger clutch and compressor wheel performance and reliability by eliminating damaging compressor surge. The R&D Surge Protection Kit utilizes an automotive vacuum assisted Bosch pressure blow off valve that releases the unwanted intake pressure between the throttle valve and the supercharger thus keeping the pressures in P1 and P2 equal. As soon as the throttle valve is opened, the blow off valve immediately closes and the compressor can supply its full boost potentials to the engine. The R&D surge hose is manufactured from high performance, high-temperature silicone with an integrated molded riser for the blow off valve to function without hindering intake flow or velocity. The R&D kit installs easily in place of the OEM rubber elbow joint with no modifications. The R&D Pressure Port installs between the MAP sensor and the MAP sensor bracket with a "bolt on" part. The R&D Surge Protection Kit is a necessary and cost effective upgrade for the Yamaha FX-SHO/FZR supercharged engine. The R&D kit comes completely assembled with silicone elbow, blow off valve, R&D B.O.V. filter, mounting hardware and instructions.

Description	Part No.
R&D FX-SHO/FZR Surge Protector Kit	612-18008



## RIVA FX-SHO/FZR PERFORMANCE BLOW-OFF VALVE KIT

RIVA Performance Blow-off Valve Kit improves supercharger reliability and performance by relieving unwanted pressure during off-throttle operation. Reduces supercharger clutch & gear wear and eliminates heat soak in discharge tube. High-strength silicone hose with integrated HKS valve installs easily in place of OEM elbow joint. Includes high quality HKS Super SQV (Super Sequential Blow Off Valve) that features unique sequential valve structure and a differential pressure control system, allowing for a broad operation boost range. Also includes vacuum line and fittings necessary for installation on FX-SHO engine. A simple and cost effective upgrade for both stock and modified engines.

Description	Part No.
RIVA FX-SHO/FZR Performance Blow-off Valve Kit	RY17040-BV



## RIVA FX-SHO/FZR BLOW-OFF VALVE KIT

High quality HKS Blow-off Valve reduces wear and tear on clutch & drive gears of supercharger and eliminates heat soak in discharge tube. For use with RIVA FX-SHO/FZR Power Cooler (part# RY17040-PC). HKS Super SQV (Super Sequential Blow Off Valve) features unique sequential valve structure and a differential pressure control system, allowing for a broad operation boost range. Includes vacuum line and specific fittings necessary for installation.

Description	Part No.
RIVA FX-SHO/FZR Blow-Off Valve Kit	RY17040-BOV-SSQV

4 STROKE	YAMAHA
SYSTEMS	NATKE
GASKETS	ENGINE/
	EXHAUST
HANDLING	DRIVE LINE
	ELECTRICAL
	WATERLINE
	/BLIGE
	STEERING
	& CONTROLS
	BODY
	ACCESSORIES
	SERVICE TOOLS
	/HARDWARE
	CHEMICAL

YAMAHA  
4 STROKE

INTAKE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGE

STEERING  
& CONTROLS

BODY

ACCESSORIES

SERVICE TOOLS  
/HARDWARE

CHEMICAL



## R&D FX-SHO/FZR STAGE 1 INTERCOOLER CORE KIT

The R&D Yamaha FX SHO/FZR Stage 1 Intercooler Core Kit was developed to replace the over restrictive OEM intercooler with an inexpensive direct replacement core that will bolt in to the OEM stock

location with all stock hardware. The R&D Intercooler Core reduces the deadhead air restriction (similar to the R&D Intake Core Kit) that is created when installing a C1 Monster compressor wheel with a 3-4 pound boost pressure gain. The R&D Intercooler offers better cooling efficiency with an aluminum 8 core design.

- Flows 40 CFM more than stock
- Improves cooling efficiency
- Increases horsepower by reducing restrictions
- Works great with C1 compressor wheel
- Retains O.E.M. flushing system for maintenance
- 3 pounds lighter than stock
- Bolts directly into stock location

**Description** R&D FX-SHO/FZR/FZS Stage 1 Intercooler Core Kit **Part No.** 612-18001



## R&D YAMAHA FX-SHO/FZR PRO LIMITED INTERCOOLER KIT

The R&D Yamaha FX-SHO/FZ/FZR Pro Limited Intercooler Kit was developed to directly replace the restrictive O.E.M. intercooler. The new R&D design offers high performance affordable intercooling that will **bolt into the OEM stock location utilizing the OEM inlet cover, and all stock hoses and hardware.**

The new R&D design is **IJSBA & APBA Limited Class legal**, complying with rule book regulating aftermarket intercooler size. The R&D Intercooler has been specifically designed, sized, and routed to also comply with the I.J.S.B.A.'s 25% rule. The Intercooler Kit is constructed from aircraft aluminum and is extremely easy to install, removes quick for cleaning and winter storage, is ultra strong, and rubber mounted so vibration will not compromise the long term performance. The R&D intercooler offers better cooling efficiency through a aluminum core design that easily out performs cheaper inefficient intercooler cores known to crack, leak and cause extreme detonation. The R&D intercooler core will flow more air, deliver better cooling efficiency, and allow C1 and C3 Monster Wheel to live up to their airflow volume and power potential. The new R&D design drastically reduces deadhead air restriction producing ultra responsive "POWER NOW" acceleration all the way through the RPM range.

The R&D Pro Limited Intercooler Kit has also incorporated an integral flange which will allow the easy bolt on addition of a Greddy RZ Blow-off valve which can be adjusted to regulate boost, and compressor surge blow-off under deceleration.

- \* Significantly improves cooling efficiency
- \* Flows 40 CFM more than stock
- \* Bolts directly into stock location w/oem hardware
- \* Increases overall horsepower
- \* Aggressive holeshot and mid range acceleration
- \* Works great with C1 or C3 Monster compressor wheels
- \* Retains O.E.M. flushing system for maintenance
- \* I.J.S.B.A. and A.P.B.A. Limited Class Legal (Rule 7.8.3.)

\*7.8.3 AIR/FUEL DELIVERY — FOUR-STROKE (RUNABOUTS ONLY)  
Turbocharger impeller or supercharger impeller may be modified or aftermarket. The impeller housing must remain stock as supplied by the manufacturer. Intercoolers may be modified or aftermarket. Intercooler heat exchange surface area may not be increased by more than 25%.

**Description** R&D Yamaha SHO/FZ/FZR Pro Limited Intercooler Kit **Part No.** 612-18004



## INTERCOOLER/SUPERCHARGER LUBRICATION KIT

This kit will allow you to spray a aerosol lubricant of your choice into the supercharger, intercooler and throttle body to prevent rust from the excess moisture in the system. Complete instructions, pictures and a diagram supplied for a simple installation.

**Description** Yamaha/Sea Doo Spray Nozzle Inlet for Lubrication **Part No.** IWCS-SSU



## R&D PRO SERIES RACING INTERCOOLER KIT

The "All New" R&D Yamaha SHO/FZ/FZR Pro Series Racing Intercooler Kit was developed starting with a clean sheet of paper and several key factors in mind. We wanted to build an intercooler system that offered the easiest of installation, easiest to maintain, looks like an indy car part, keeps the air cooler than it looks, and most importantly, be non restrictive to allow maximum CFM airflow for maximum horsepower.

The new R&D Pro Series Racing Intercooler Kit is constructed from aircraft aluminum and is extremely easy to install, removes quick for cleaning and winter storage, is ultra strong, and rubber mounted so vibration will not compromise the long term performance.



This new intercooler system has been tested against every manufacturer's current intercooler designs, and has proven to out flow, out cool, and out perform them all. The R&D intercooler offers better cooling efficiency through its "made in the USA" aluminum core design that easily out performs cheaper inefficient intercooler cores known to crack, leak and cause extreme detonation. The R&D Pro Series intercooler core will flow more air, deliver better cooling efficiency, and allow C1-C24X Monster Wheels to live up to their airflow volume and power potential.

Tested to easily allow 30 PSI of boost @ 90-100 degree air temp, the new R&D Pro Series Racing Intercooler design drastically reduces deadhead air restriction producing ultra responsive "POWER NOW" acceleration all the way through the RPM range. All data and air temp was logged with a MoTeC M400 with i2 logging software. It should be noted that pressure data was taken in the plenum with the stock MAP sensor and backed up with a mechanical gauge.

The R&D Pro Series Racing Intercooler Kit also has an incorporated integral flange which will allow the bolt on addition of an R&D/Tail Q Series 50mm Blow-off valve (Pt. # 613-95263 sold separately) which superbly regulates compressor surge or blow-off under deceleration.

- Significantly improves cooling efficiency
- Flows 90-100 CFM more than stock (allows 60 pounds of unrestricted air)
- Bolts directly into stock air box location w/O.E.M. studs and rubber grommet hardware
- Increases overall horsepower (core size/area allows up to 600 horsepower)
- Aggressive holeshot and mid range acceleration
- Works great with any R&D Monster compressor wheels
- Retains O.E.M. flushing system for maintenance
- I.J.S.B.A. and A.P.B.A. Limited Class and Pro Open Legal

Description	Part No.
R&D Pro Series Racing Intercooler Kit	612-18005



## RIVA 'GEN-2' POWER COOLER KIT

The RIVA 'GEN-2' Power Cooler intercooler system features a new high-capacity cooler element that is rated for up to 500hp! Huge cooler core resists heat soak under the most demanding high boost/high temperature applications. Delivers an increase of 20 peak horsepower over OEM intercooler providing arm-wrenching results on the water. Quality manufacturing of cooler core delivers minimal pressure drops and excellent thermal efficiency. The cooling element is dramatically more efficient than the stock unit with exit temperatures averaging 60°F cooler than stock. This delivers cooler, denser air for increased performance throughout the RPM range. Innovative design allows easy disassembly of cooler element & ducting for maintenance and cleaning. Features integrated blow-off valve mount that will accept RIVA/HKS Blow-Off Valve kit (sold separately) for improved super-charger reliability and performance. Power Cooler installs securely with shock absorbing rubber mounting system and stainless steel hardware. Kit contains all necessary hardware and detailed installation instructions.

Description	Part No.
RIVA 'Gen-2' Power Cooler Kit FX-SHO/FZ	RY17040-PC-1



2012 IJSBA HOT PRODUCTS MARK HAHN MEMORIAL HAVASU 300 ENDURANCE RACE IN LAKE HAVASU CITY, ARIZONA

4 STROKE	YAMAHA
SYSTEMS	MATKE
GASKETS	ENGINE/
EXHAUST	
HANDLING	DRIVE LINE
ELECTRICAL	
WATERLINE	/BILGE
STEERING	& CONTROLS
BODY	
ACCESSORIES	SERVICE TOOLS
HARDWARE	
CHEMICAL	



## R&D FX-SHO/FZR/FZS INTERCOOLER COOLING KIT

The R&D Yamaha FX-SHO/FZR/FZS Intercooler Temperature Control system was developed to offer an inexpensive complete bolt on kit that will allow the

full performance and cooling potential the O.E.M. intercooler has to offer for recreational applications. Intercooler core water temperatures have a range of affect on the supercharged air temperatures that enter into the engine. The Yamaha SHO Intercooler operates on a single low pressure (10 P.S.I.) line of lake temperature water to cool the intercooler. R&D has found that by adding an additional intercooler water in line, and adding an additional water out line and bypass fitting, there will be double the water flow volume at 20 P.S.I. Reduced intercooler core temperatures can add a noticeable increase in low end and midrange power along with reduced detonation. R&D offers a range of machined flow control fittings to allow water volume control tuning for intercooler temperature adjustments for warm lake water and extreme hot air conditions. R&D also offers a pressure relief blowoff valve kit for high water volume flow rates on higher boost Stage 1 and up engine kits. The R&D Kit will allow temperature tuning that will deliver surprising results. Unlock hidden performance and power potential in the OEM stock intercooler or aftermarket intercooler system by reducing intercooler core temperatures.

- More horsepower with cooler intake air temperatures
- Increased acceleration and mid range performance
- Reduces detonation in hot weather conditions
- Temperature control tuneability
- An inexpensive recreational performance addition
- Pressure relief valve options
- Easy installation instruction

Description	Part No.
R&D FX-SHO/FZR/FZS Intercooler Cooling Kit	660-18000



## R&D FX-SHO/FZR/FZS INTERCOOLER TEMPERATURE CONTROL PRESSURE RELIEF VALVE KIT

R&D also offers a pressure relief blowoff valve kit for high water volume flow rates on higher boost Stage 1 and up engine kits. The R&D kit will allow temperature tuning that will deliver surprising results.

Unlock hidden performance and power potential in the OEM stock intercooler or aftermarket intercooler system by reducing intercooler core temperatures.

Description	Part No.
R&D FX-SHO/FZR/FZS Intercooler Temperature Control Pressure Relief Valve Kit	660-82511



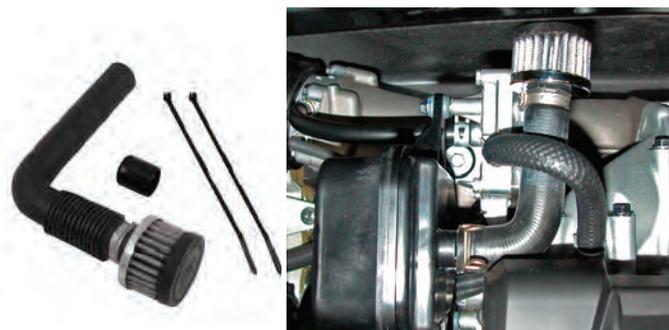
## R&D YAMAHA FX-SHO/FZR ENGINE INTERCOOLER COOLING KIT

The R&D Yamaha FX-SHO/FZR Engine/Intercooler Cooling Kit was

developed for high performance recreational and racing use. Extensive engine cooling and inlet air temperature testing using both MoTeC I2 and Innovate digital logging systems has proven the R&D High Performance Cooling Kit to offer double the water volume flow through the engine, oil cooler, and intercooler as well as increase water pressure. The O.E.M. cooling system has a very low water pressure (10 P.S.I. at 7600 rpm's) and a low water volume flow. The new R&D kit will double the water volume which will lower intake air temperature by 15-20 degrees as well as lower engine block and head temperatures by 40-50 degrees. The additional oil cooler water line will lower engine oil temperatures by 15-20 degrees promoting better lubrication and increased engine cooling. The R&D Cooling Kit arrives 100 percent complete with pre-cut hoses, "T" connectors, dual line pump block, through hull bulkhead fittings, hose clamps, water by-pass fittings, the thermostat removal sealing washer, and detailed instructions with pictures. R&D recommends the cooling system to be upgraded as a stand alone performance upgrade and a must have kit addition when installing power adders such as R&D Supercharger Wheels, Engine Performance Parts, and Engine Management Kit parts. Cooler engine, inlet air, and oil temperatures produce higher horsepower with decrease detonation

- \*Better throttle response, increased horsepower
- \*Cooler header and under seat temperatures
- \*Increased power with cooler air inlet temperatures
- \*Cooler cylinder and cylinder head will reduce knock
- \*Cooler oil will lubricate better and last longer
- \*Increased engine protection
- \*Improved clutch performance with cooler oil

Description	Part No.
R&D SHO/FZR Engine/Intercooler Cooling Kit	660-18001



## RIVA ENGINE BREATHER UPGRADE KIT

Easy to install Engine Breather Upgrade Kit eliminates power-robbing crankcase emissions from your engine's air intake. Increases horsepower by removing the engine's requirement to burn relatively non-combustible oil. Also improves intercooler efficiency by preventing the oil sludge coating that lowers thermal efficiency. Easy installation retains highly efficient OEM air/oil separator system. Kit includes pre-formed hose with attached K&N filter along with all necessary hardware & instructions.

Description	Part No.
RIVA Engine Breather Upgrade Kit	RY19040-EBUK

# YAMAHA FX-SHO & FZ • INTERCOOLER



## RIVA FX-SHO/FZR STOCK INTERCOOLER UPGRADE KIT

The RIVA Intercooler Upgrade Kit delivers a huge performance gain to your stock intercooler system. The cost efficient upgrade kit features billet aluminum spacers that increase the end tank capacity and water flow in and out of the OEM intercooler.

Key Benefits Include:

- Intercooler exit temps average 30-degrees cooler than stock.
- Increased horsepower with cooler, denser air temps.
- No drilling or machining required to OEM intercooler.
- Includes billet "high-flow" pump strainer providing a second dedicated waterline to intercooler.
- Replaceable sacrificial zinc anode protects cooling system from corrosion.
- **IJSBA/ABPBA Stock Class Legal.**

### Description

### Part No.

RIVA FX-SHO/FZR Stock Intercooler Upgrade Kit **RY17040-ICUK**



RY10040-ECUK-1



RY10040-ECUK-PC

## RIVA FX-SHO/FZ ENGINE COOLING UPGRADE KITS

The RIVA Engine Cooling Upgrade Kit delivers dramatically improved cooling efficiency to engine and oil cooler for increased reliability & performance. Greatly enhances water flow & pressure by replacing restrictive OEM water fittings with high-flow billet fittings and superior routing. Allows the addition of aftermarket ECU's, high-boost compressor wheels and other performance modifications that can increase heat & detonation. Includes all necessary water lines, hardware, fittings and detailed installation instructions.

Fits 2009-10 FX-SHO & FZ models.

### Description

### Part No.

FX-SHO/FZ Engine Cooling Upgrade Kit **RY10040-ECUK-1**  
 For use with the OEM Intercooler Upgrade Kit  
 FX-SHO/FZ Engine Cooling Upgrade Kit **RY10040-ECUK-PC**  
 For use with the RIVA Power Cooler Kit



## ENGINE BLOCK THERMOSTAT KIT COOLING OPTION

The R&D Block Thermostat Kit Option was developed to offer a way to run "Dual Thermostats" to the engines cooling system to control and allow warm up and pre heat cycles to take place.

Engine Block and Head cooling on the Yamaha Engine becomes difficult when running high compression ratios, higher boost levels, and aggressively advanced ignition timing. R&D has found that multiple cooling lines need to be added to the cooling system to provide enough volume to keep temperatures stable and in check. The problem is the Single OEM thermostat is too restrictive and doesn't allow enough water volume flow to reduce temperatures with the added cooling lines. R&D has found a way to add an additional thermostat that allows enough water flow volume to cool the engine and head and retain the O.E.M. method for engine pre heat or warm up. The R&D Kit installs as a bolt on kit directly in place of the corrosion anode. Running two thermostats allows enough water flow to cool the engine properly. The R&D thermostat kit option will start to open at 120 degrees, and will allow full flow at 140 degrees. The O.E.M. stock thermostat opens at 118-126 degrees and allows full flow at 140 degrees. Having two thermostats installed that are full open at 140 degrees, and flow enough water volume, will help to keep engine block temperatures to between an ideal 150-175 degrees. R&D has done extensive testing with the engineers at MoTeC both on the Dyno and on the water to determine that 150-160 degrees block temperatures is where the most peak power is, any hotter and power diminishes. The R&D dual thermostat kit will be a must have addition where engines are being run in extreme cold water and weather conditions. There has been many debates over these theories, and until now there has been no way around extended warm up cycles to bring engine temps up before high engine loads can be applied. R&D has found a way to end the debate and give everyone what they are looking for in a complete cooling system.

### Description

### Part No.

SHO/FZR/FZS/VXR/VXS

660-18004



YAMAHA  
4 STROKE

WATKIE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGE

STEERING  
& CONTROLS

BODY

ACCESSORIES

SERVICE TOOLS  
/HARDWARE

CHEMICAL

# YAMAHA FX-SHO/FZ/VXR/VXS • EXHAUST

YAMAHA  
4 STROKE

INTAKE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGE

STEERING  
& CONTROLS

BODY

ACCESSORIES

SERVICE TOOLS  
/HARDWARE

CHEMICAL



## RIVA REAR EXHAUST KIT

RIVA Racing Rear Exhaust Kit delivers performance and cutting-edge style. Allows for removal of restrictive sound suppression system located between waterbox and hull exit. Improves engine performance by reducing back pressure and restriction. Includes mandrel bent aluminum exhaust tube that is powder coated to prevent corrosion, large billet through-hull exhaust outlet, billet OEM exhaust outlet block-off and high-temp silicone couplers along with all necessary mounting hardware & installation.

Description	Part No.
RIVA Racing FZR/FZS Rear Exhaust Kit	<b>RY15050</b>
RIVA Racing FX-SHO Rear Exhaust Kit	<b>RY15040</b>
RIVA Racing VXR/VXS Rear Exhaust Kit	<b>RY15060</b>



## RIVA FX SHO/FZR FREE FLOW EXHAUST KIT

Replaces the restrictive sound suppression system located between the water box and hull exit on your watercraft. Improves engine performance by reducing back pressure and harmful detonation. Includes mandrel bent aluminum tubing that is powder coated to prevent corrosion, high-temp silicone replacement coupler and installation instructions.

Description	Part No.
RIVA FX-SHO/FZR/FZS Free Flow Exhaust Kit	<b>RY16040</b>



## R&D FX-SHO/FZR/FZS HIGH FLOW EXHAUST KIT

The R&D SHO High Flow Exhaust Kit will add a noticeable low end and mid range power feel as well as add top end performance! The R&D High Flow Exhaust Kit will add a great performance sound to the SHO while maintaining a safe and under IJSBA and Coast Guard approved 86 db!

Description	Part No.
A. RIVA FX-SHO/FZR/FZS High Flow Exhaust Kit	<b>332-18000</b>
B. RIVA VXR/VXS Free Flow Exhaust Kit	<b>RY16060</b>



## BILLET EXHAUST OUTLET

The new R&D Billet Exhaust Outlet.

Description	Part No.
R&D 3" Diameter Billet Exhaust Outlet	<b>331-30000</b>
R&D 2.75" Diameter Billet Exhaust Outlet	<b>331-32750</b>



## R&D HIGH TEMPERATURE SILICONE COUPLINGS

Description	Part No.
3" - 3" High Temp Silicone Couplings	<b>061-30030</b>
3" - 2" Reducer High Temp Silicone Couplings	<b>061-32500</b>
2.75" - 2.5" Reducer High Temp Silicone Couplings	<b>061-32501</b>
3" - 2.75" Reducer High Temp Silicone Couplings	<b>061-32750</b>

## EXHAUST RESONATOR REMOVAL KIT



The R&D Exhaust Resonator Removal Kit will allow the sound suppression ball to be removed and plugged.

When removing the exhaust sound suppression ball and modifying the exhaust hose, low end response is gained and trapped hot exhaust gases can be evacuated quicker through less restriction or back pressure.

Description	Part No.
R&D VXR/VXS Exhaust Resonator Removal Kit	<b>332-18005</b>



## RIVA FX-SHO/FZ PRO-SERIES WATER BOX

Developed on RIVA's Dyno and tested extensively on the water, this water box features radiused exhaust tubes and end caps for optimum exhaust flow. Unique exhaust baffle will increase the low-end power and mid-range pull of your Yamaha watercraft. Delivers up to 15hp on modified engines along with significant torque gains. High-strength aluminum construction will survive backfires and meltdowns. Powder coated to prevent corrosion.

**A must for modified motors.**

### Key Features:

- Delivers up to 15hp on modified craft!
- Machined hose flanges for reliable coupler retention.
- Radiused exhaust tubes & end caps.
- Powder coated to prevent corrosion.

Description	Part No.
RIVA FX-SHO/FZ Pro Series Water Box	<b>RY16041</b>



## R&D FX-SHO/FZR/FZS/VXR/VXS FUEL PRESSURE REGULATOR KIT

R&D offers a Yamaha FX-SHO/FZR/FZS model specific fuel pressure regulator

system allowing custom fuel pressure tuning to the EFI fuel systems fuel pressures. The R&D Fuel Pressure Regulator System offers a wide range of setup possibilities. Base fuel pressure is adjustable from 5 to 60 PSI. The R&D fuel pressure regulator can also be set up to allow "rising rate" fuel pressure at a 1 to 1 ratio (One pound of fuel pressure gain over base for every pound of boost gain). R&D offers two types of fuel pressure regulator set ups. Part #802-00080 will come completely assembled and ready to install. The R&D Pro System is 100 percent complete, installs directly to the top of the fuel tank, and connects directly to the fuel rail with OEM security lock connectors with no modifications. For the R&D Fuel Pressure Regulator only use part #801-25010, which comes complete with 90 degree barbed brass fittings for use with push on type hose and Oetiker style clamps for security. R&D offers high performance fuel hose that can be purchased by the foot, as well as the Oetiker style clamps. The R&D bypass style regulator system is capable of handling any fuel pump up to 250 GPH. Replace "Deadhead" regulator performance and experience the full flow volume and rock steady fuel pressure that only a dynamic R&D fuel pressure regulator kit can produce.

- Fuel pressure will rise on a 1:1 ratio when boost referenced
- All ports are 3/8" NPT, with one inlet, 3 outlets, and one return port on the bottom
- Beautiful type II bright dip anodized finish
- Bypass design produces the ultimate, dynamic fuel delivery system
- 3/8" pipe tapped for standard or AN fitting ready
- R&D offers pre-assembled #4 AN hose to finish off a return system
- R&D offers fuel hose by the foot for custom routing

Description	Part No.
R&D FX-SHO/FZR/FZS/VXR/VXS Fuel Pressure Regulator Kit (Shown above)	802-00080
R&D Fuel Pressure Regulator (Fittings not included)	801-25010



## R&D-FX SHO/FZR/VXR/VXS IN-TANK FUEL PRESSURE REGULATOR BLOCK OFF KIT

R&D offers a Fuel Pressure Regulator Block off Kit which will allow the OEM stock in tank fuel pressure regulator to be removed, blocked off,

and replaced with a billet part which is mandatory when installing an aftermarket externally adjustable fuel pressure regulator system. The OEM in tank fuel pressure regulator is fixed to maintain 40-43 pounds of fuel pressure at all times. For high performance applications where horsepower is boosted, it is necessary to install larger flowing fuel injectors and be able to tune the fuel pressure up or down as needed. Most factory race teams are running 65 plus pounds of fuel pressure along with higher flowing fuel injectors and externally adjustable pressure regulators. The R&D has a complete line up of fuel pumps, fuel injectors, fuel pressure regulators, fuel gauge, and fuel hose accessories all designed specifically for the Yamaha SHO. All R&D fuel injection parts and products meet Coast Guard, I.J.S.B.A., and APBA approval.

Description	Part No.
R&D FX-SHO/FZR/FZS/VXR/VXS In-Tank Fuel Pressure Regulator Block Off Kit	812-35257



## RIVA FX-SHO/FZ RISING RATE FUEL PRESSURE REGULATOR KIT

RIVA Fuel Pressure Regulator Kit provides the precision pressure control necessary to compliment aftermarket ECU applications on the 'SHO' engine. Kit is fully assembled & mounts securely on top of fuel tank via sturdy aluminum bracket. High quality billet pressure regulator can adjust base pressure from 25 to 80 PSI. Unit can also



be set up as rising rate fuel pressure regulator at a 1 to 1 ratio providing one additional pound of fuel pressure for every pound of boost gain. Plugs directly into original fuel system with OEM connectors and features a large 3/8" fuel return line that is routed through supplied rubber fuel tank cap. Includes integrated liquid-filled pressure gauge and billet Fuel Pressure Regulator Block-Off necessary for removal of stock fuel pressure regulator in fuel tank.

### Key Features Include:

- Precision fuel pressure control with optional rising rate function.
- High quality stainless steel liquid-filled pressure gauge.
- Large 3/8" fuel return line.
- Includes billet Fuel Pressure Regulator Block-Off.
- Easy bolt-on installation with OEM fuel connectors.
- Includes complete installation instructions & tuning guide.

Fits Yamaha FX-SHO, FZR & FZS models.

Description	Part No.
RIVA Fuel Pressure Regulator Kit	RY12040-RRFPR-6S5



## R&D INLINE FUEL PRESSURE GAUGE ADAPTER

The R&D Fuel Pressure Gauge Adapter Tool is designed to be a plug in

fuel pressure gauge that needs no modifications to install and use. Simply disconnect the OEM locking fuel connector from the fuel rail and plug the gauge tool directly into the connector. Plug the locking connector supplied on the R&D tool onto the fuel rail and lock. Use the tool to verify fuel pressure and fuel pump condition. Use the tool to set and verify base fuel pressure settings on the R&D Rising Rate Fuel Pressure Regulator (RRFPR). When finished, disconnect the tool and reconnect the stock fuel line. The Adapter installs inline between the OEM fuel rail and the R&D RRFPR via the OEM connectors for easy connect and disconnect. The R&D Tool works on both Yamaha and Kawasaki fuel systems. Installation time is only 2 minutes. Liquid filled fuel pressure gauge sold separately.

Description	Part No.
R&D Inline Fuel Pressure Gauge Adapter	612-00081
R&D Liquid Filled Fuel Pressure Gauge	900-02180

4 STROKE	YAMAHA
SYSTEMS	NATKE
GASKETS	ENGINE/
EXHAUST	
DRIVE LINE	HANDLING
ELECTRICAL	
WATERLINE	/BLIGE
STEERING	& CONTROLS
BODY	
ACCESSORIES	SERVICE TOOLS
HARDWARE	
CHEMICAL	

YAMAHA  
4 STROKE

INTAKE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGE

STEERING  
& CONTROLS

BODY

ACCESSORIES

SERVICE TOOLS  
/HARDWARE

CHEMICAL



## RIVA FX-SHO/FZ BOOST CLAMP

RIVA's Boost Clamp will allow you to run up to 17psi of boost pressure in your Yamaha SHO engine when used with RIVA Fuel Pressure Regulator Kit and stock ECU. Device controls communication between stock MAP sensor and stock ECU to allow for higher boost levels and more power. The Boost Clamp is an integral part of RIVA Stage 2 SHO Engine Kit producing 260hp when combined with our recommended components. Installs quickly & easily with integrated waterproof connectors.

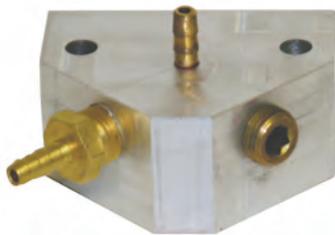
Description	Part No.
RIVA FX-SHO and FZ Boost Clamp	RY11740-BC-6S5



## R&D 2011 FZR MULTI-PRESSURE PORT BOOST GAUGE SURGE - RRFPR ADAPTOR KIT

The R&D Yamaha FZR/SHO Multi-Pressure Port Adaptor Kit will allow quick and easy hook up of a manual boost gauge, surge valve, and a raising rate fuel pressure regulator. The R&D Pressure Port Adaptor installs in the MAP sensor hose and has 3 ports that allow for the operation of a vacuum/boost gauge, check plenum air temperatures, operate a surge protection valve, and operate a boost referenced fuel pressure regulator (RRFPR), or any three of these applications at the same time with one simple part. The R&D Pressure Port Adaptor Kit comes complete with 12" of vacuum hose, multi-line fitting, 2 tube covers, nylon cable ties and instructions.

Description	Part No.
R&D 2011 FZR Multi-Pressure Port Boost Gauge Surge - RRFPR Adaptor Kit	612-92006



## R&D FX-SHO/FZR/FZS MULTI-PRESSURE PORT BOOST GAUGE/SURGE/RRFPS ADAPTER KIT

The R&D Yamaha FX-SHO/FZR/FZS Multi-Pressure Port Adapter Kit will allow quick and easy hook up of digital or manual boost gauges with the R&D Multi-port billet Adapter. The R&D Pressure Port Adapter installs between the MAP sensor and the MAP sensor bracket as a "bolt on" part no with modifications. Operate a vacuum/boost gauge, check plenum air temperatures, and operate a surge protection valve at the same time, or run a boost gauge, surge protection device, and operate a boost referenced fuel pressure regulator (RRFPR) at the same time with one simple part. The R&D Pressure Port Adapter Kit comes complete with longer MAP sensor mounting screws, o-ring seals, nylon cable ties, all mounting hardware and instruction.

Description	Part No.
R&D FX-SHO/FZR/FZS Multi-Pressure Port Boost Gauge/Surge/RRFPS Adapter Kit	612-92005



## RIVA/HKS FX-SHO/FZ HIGH VOLUME FUEL PUMP

This is a direct replacement high volume fuel pump for high performance applications. Delivers 265LPH to support highly modified engine packages. Easy installation requires no modifications. Includes detailed installation instructions.

Description	Part No.
RIVA/HKS FX-SHO High Volume Fuel Pump	RY12040-265FP-6S5



## R&D FX-SHO/FZR/FZS/VXR/VXS HIGH PERFORMANCE HIGH VOLUME FUEL PUMP KITS

R&D Performance carries a complete line up of high performance replacement fuel pumps that are machined specifically to fit the Yamaha FX-SHO/FZR/FZS fuel pump housing and are offered in a variety of flow ratings to facilitate from basic low cost replacement to an all out 500 H.P. race machine. All R&D FX-SHO/FZR/FZS fuel pumps have been precision flow rate tested and charted in (LPH) liters per hour. R&D FX-SHO/FZR/FZS fuel pumps arrive complete with Yamaha FX-SHO/FZR/FZS model specific installation instructions complete with detailed photos that will help make the fuel pump installation quick and easy.

*NOTE: There are no modifications necessary to install the R&D fuel pump therefore switching back to the O.E.M. fuel pump assembly is quick and easy as well.*

Description	Part No.
R&D FX-SHO/FZR/FZS/VXR/VXS 190 LPH OEM Replacement Fuel Pump Kit	812-35190
R&D FX-SHO/FZR/FZS/VXR/VXS 255 LPH Low Pressure Fuel Pump Kit	812-35255
R&D FX-SHO/FZR/FZS/VXR/VXS 255 LPH High Pressure Fuel Pump Kit	812-35256



## R&D #4 & #6 FUEL RETURN LINE KIT

R&D has developed a two larger fuel return line kits for the FX-SHO/FZR/FZS. Increasing the diameter of the fuel return line to #4 or #6, decreases line pressure and increases fuel volume, yielding increased tuning ability in high heat and higher performance applications.

Description	Part No.
R&D #4 Fuel Return Line	612-00082
R&D #6 Fuel Return Line	612-00083



## FX-SHO/FZ/VXR/VXS 725 CC/1000 CC PRO SERIES FUEL INJECTOR KIT

R&D Pro Series injectors offer increased fuel delivery over our 525cc injectors. The new Pro Series injectors are offered in 725cc and

1000cc flow rates. Each set of injectors have been flow rate and voltage comp tested to insure linear accuracy and are shipped with a precision dead time (voltage compensation) chart that can be added into your aftermarket ECU's software program under battery compensations. R&D Pro Series injectors offer perfectly clean linear response performance from low idle all the way through the entire power range. R&D has flow rate tested the O.E.M. Yamaha FX HO injectors and verified them to flow 396 cc at 43 PSI of fuel pressure, which rates them to flow 39 pounds of fuel per hour. The R&D Pro Series Fuel Injectors have been precision flow rate tested to 725cc at 43 PSI of fuel pressure, and 925cc at 70 PSI of fuel pressure, which rates them to flow as much as 92 pounds of fuel per hour. R&D fuel injectors perform excellent, delivering precise fuel flow at fuel pressure ratings ranging from 40 to 80 PSI. Each R&D injector set is packaged complete with all installation hardware, necessary harness interface connectors, voltage compensation chart, and instructions.

Description	Part No.
R&D Pro-Series 725cc Injectors (set of 4)	812-18001
<b>Flow Rate:</b> 725cc at 43.5 Pounds of Pressure =72 Pounds Per Fuel Hour Fuel Flow.	
<b>Flow Rate:</b> 925cc at 70.0 Pounds of Pressure =92 Pounds Per Fuel Hour Fuel Flow.	
R&D Pro-Series 1000cc Injectors (set of 4)	812-18002
<b>Flow Rate:</b> 1000cc at 43.5 Pounds of Pressure =100 Pounds Per Fuel Hour Fuel Flow.	
<b>Flow Rate:</b> 1225cc at 70.0 Pounds of Pressure =120 Pounds Per Fuel Hour Fuel Flow.	



## R&D FX-SHO/FZR/FZS O2 SENSOR MOUNT KIT

The new R&D O2 sensor mount kit makes installing an AFR gauge a breeze on the Yamaha FX-SHO, FZR, FZS, FX140, HO, GPR, and VX110. It simply replaces the OEM plug and installs directly into

the OEM pipe without any modifications. Kit comes complete with installation tool. AFR gauge sold separately.

Description	Part No.
FX-SHO/FZR/FZS/FX140/HO/GPR/VX110/VXR/VXS O2 Sensor Mount Kit	332-18010



## R&D O2 SENSOR WRENCH

The R&D O2 Sensor wrench is custom designed with crows feet ends to allow easy installation or removal of the Oxygen sensor.

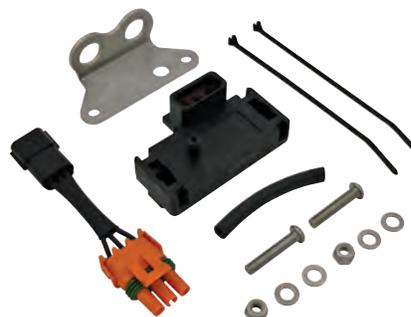
Description	Part No.
R&D O2 Sensor Wrench	332-18011



## RIVA PRO-SERIES YAMAHA FUEL INJECTORS

Our high impedance fuel injector kit delivers additional fuel to modified engines for high boost applications. **100lb (1,000cc)** injectors are for use with aftermarket ECU (RY11840-01-C) for correct calibration. Kit includes injectors, plug and play adapters, fuel rail spacers and detailed installation instructions. Fits 2009-12 FX-SHO & FZ models.

Description	Part No.
RIVA Pro-Series Yamaha Fuel Injectors	RY12040-I-KIT-100



## RIVA FX SHO/FZ 3 BAR MAP SENSOR KIT

Do you plan on running over 14.7psi of boost? If so, our 3 Bar MAP Sensor Kit is essential for accurate engine management with high boost applications. High quality 3 Bar MAP Sensor will measure up to 29.7psi,

where the OEM 2 Bar MAP Sensor will only measure up to 14.7psi. It is critical to provide accurate pressure information to your aftermarket ECU to ensure proper air/fuel mixture and data logging. RIVA 3 Bar MAP Sensor mounts directly in place of OEM sensor with stainless bracket and plugs directly into OEM wiring harness.

Description	Part No.
RIVA FX-SHO/FZ 3 Bar Map Sensor Kit	RY11740-MS-3



2012 IJSBA HOT PRODUCTS MARK HAHN MEMORIAL HAVASU 300 ENDURANCE RACE IN LAKE HAVASU CITY, ARIZONA

4 STROKE	YAMAHA
SYSTEMS	INATKE
GASKETS	ENGINE/
EXHAUST	EXHAUST
HANDLING	DRIVE LINE
ELECTRICAL	ELECTRICAL
WATERLINE	WATERLINE
& CONTROLS	/BLIGE
BODY	STEERING
ACCESSORIES	& CONTROLS
SERVICE TOOLS	BODY
HARDWARE	ACCESSORIES
CHEMICAL	SERVICE TOOLS

## FX-SHO/FZR HIGH PERFORMANCE R&D ECU REPROGRAMMING SERVICES

**DOLLAR FOR DOLLAR UNBEATABLE PERFORMANCE:** R&D is proud to announce our new line up of Yamaha FZR and SHO ECU reprogramming services. The engineering staff at R&D have been testing and developing ECU programs to allow new performance levels to be reached for recreational enthusiasts and racers who are interested in more performance through reprogrammed the OEM ECU. Entry level programs will allow the enjoyment of a raised RPM limit settings, advanced ignition timing, re-calibrated fuel map, as well as the internal boost limiter raised to allow R&D Monster Wheels to work to full potentials. There are several performance levels to choose from that work with stock or R&D C1, C3, and C5 Monster Wheels or any wheel kit rated up to 18 pounds of boost. Programs offered are recreational performance tuned with safe AFR values, and can be further custom tuned (Richened) to accommodate additional boost levels. Existing customers who have purchased an R&D Powershot Fuel Control Unit can send their units in to R&D for free upgraded re-programming to allow custom fuel tuning to work with the new ECU Programs. R&D Powershot Fuel Control Units are not required on entry recreational level (R1, R2, or R3) programs using stock, C1, or C3 Wheels. However, custom fuel tuning with the Powershot Fuel Tuner can be an add-on or additional upgrade that is suggested for higher performance applications such as C5 Monster Wheel Kits. Fuel tuning or AFR conditions should always be checked and verified as values will always be slightly different from one engine set up to another. Higher performing programs are continuously under development and will be announced through updates on the R&D website, so stay tuned. Custom program files can also be performed to accommodate just about any combination of performance level or type of fuel being used. R&D strongly suggests that AFR tuning be periodically verified using Innovate Products LM1 or LC1 Logging Kit also available from R&D.

**Part #802-01801 R&D R1 ECU;** Reprogrammed ECU to allow up to 8450 RPM's, Raised Boost limiter to allow up to 18 pounds boost, and upgraded ignition timing safe for all recreational and offshore racing use. R1 works great with stock, C1, C3, or C5 Monster Wheel Kits, or any wheel kit rated up to 18 pounds of boost. 89 octane safe with stock and C1 wheels, 91 octane pump fuel use is recommended for C3 and C5. The R1 program file does not require a Powershot Fuel Tuner for use with C1 and C3 Monster Wheels.

**Part #802-01802 R&D R2 ECU;** Reprogrammed ECU to allow 8750 RPM's, Raised Boost limiter to 17 pounds, advanced ignition timing for high performance recreational use. R2 works great with stock, C1, C3, or C5 Monster Wheel Kits, or any wheel kit rated up to 18 pounds of boost. 91 octane pump fuel should be used with R2 reprogram. 93-95 octane fuel is recommended for closed course racing conditions where high engine loads are present. The R2 program file does not require a Powershot Fuel Tuner for use with C1 and C3 Monster Wheels.

**Part #802-01803 R&D R3 ECU;** Reprogrammed ECU to allow 8850 RPM's, eliminated Boost limiter, aggressively advanced ignition timing in the low end areas and softer high rpm settings in the peak boost areas for high performance recreational use. R3 works great with C1, C3, or C5 Monster Wheel Kits, or any wheel kit rated up to 18 pounds of boost. 91-93 octane pump fuel should be used with R3 reprogram with O.E.M. 8.6-1 pistons and cams. R&D suggests 100 plus octane fuel when using 9.5-1 pistons, RC1 Cams, and R&D Pro Tune Adjustable Cam Gear Kits. NOTE: The R3 program file does not require a Powershot Fuel Tuner for use with C1 and C3 Monster Wheels. Use the Powershot for custom fuel tuning with C5 wheel kits. NOTE: The R&D RRFPR Kit is required when using the R&D C5 Monster Wheel Kit.

**Part #802-01803V R&D R3 VF ECU;** Reprogrammed ECU allows the use of variable fuels. Run 91 octane at 12-13 pounds (180 kpa) of peak boost, and run 98 or 100LL Aviation fuel when boost pressure is adjusted to 15-18 pounds. The program allows 8850 RPM's, eliminated Boost limiter, aggressively advanced ignition timing in the low end areas and softer high rpm settings in the peak boost areas for high performance recreational use. R3 VF works great with C1, C3, or C5 Monster Wheel Kits, or any wheel kit rated up to 18 pounds of boost. 91-93 octane pump fuel should be used with R3 VF reprogram with O.E.M. 8.6-1 pistons and cams at 12-13 pounds. R&D suggests 100 plus octane fuel when using 9.5-1 pistons, RC1 Cams, and R&D Pro Tune Adjustable Cam Gear Kits. NOTE: The R3 VF program file does not require a Powershot Fuel Tuner for use with C1 and C3 Monster Wheels. Use the Powershot for custom fuel tuning with C5 wheel kits. NOTE: The R&D RRFPR Kit is required when using the R&D C5 Monster Wheel Kit. NOTE: Adjusting the peak boost pressure is done via the R&D/GReddy adjustable boost level/surge protection valve. The R3 VF Program allows the recreational rider/racer the flexibility to race on Sunday with 15-18 pounds of boost and aggressive timing with 100 octane Aviation fuel, and still be able to take the family out for weekend fun with 91 octane pump gas when boost is adjusted back to 10-13 pounds. NO need for switching booster wheels to attain lower boost and lower rpm settings. Another great feature available only from R&D!

**Part #802-01804 R&D R4 ECU;** Reprogrammed ECU to allow 8850 RPM's, eliminated Boost limiter, aggressively advanced ignition timing that requires 100 octane Aviation fuel for high performance Pro Stock or Pro Limited racing use. R4 works great with stock, C1, C3, or C5 Monster Wheel Kits, or any wheel kit rated up to 18 pounds of boost.

**Part #802-01805 R&D R5 ECU;** Reprogrammed ECU to allow 8950 RPM's, eliminated Boost limiter, aggressively advanced ignition timing that requires VP MS 109 race gas for high performance Pro Stock or Pro Limited racing use. R5 works great with stock, C1, C3, or C5 Monster Wheel Kits, or any wheel kit rated up to 18 pounds of boost.

**Part #802-01806 R&D R6 ECU;** Reprogrammed ECU to allow 9000 RPM's, eliminated Boost limiter, aggressively advanced ignition timing that requires VP MS 109E fuel for high performance Pro Stock or Pro Limited racing use. R6 works great with stock, C1, C3, or C5 Monster Wheel Kits, or any wheel kit rated up to 18 pounds of boost.

**Part #802-01807 R&D R7 ECU;** Reprogrammed ECU to allow 9000 RPM's, eliminated Boost limiter, aggressively advanced ignition timing that requires VP C12 race gas for high performance Pro Stock or Pro Limited racing use. R7 works great with stock, C1, C3, or C5 Monster Wheel Kits, or any wheel kit rated up to 18 pounds of boost.

**Part #802-01808 R&D R8 ECU;** Reprogrammed ECU for 725cc injectors @ 52 psi fuel pressure, 8750 RPM's, eliminated Boost limiter, advanced ignition timing requires 91 octane pump gas for high performance recreational use. R8 is designed for the C5 Monster Wheel Kit or any wheel kit rated for 18 pounds of boost.

**Part #802-01809 R&D R9 ECU;** Reprogrammed ECU for 725cc injectors @ 52 psi fuel pressure, 8850 RPM's, eliminated Boost limiter, advanced ignition timing requires 100 octane Aviation fuel. R9 is designed for the C5 Monster Wheel Kit or any wheel kit rated for 18 pounds of boost.

**Part #802-01810 R&D R10 ECU;** Reprogrammed ECU for 725cc injectors @ 52 psi fuel pressure, 9000 RPM's, eliminated Boost limiter, advanced ignition timing requires VP MS 109 Race gas. R10 is designed for the C5 Monster Wheel Kit or any wheel kit rated for 18 pounds of boost.

**Part #802-01811 R&D R11 ECU;** Reprogrammed ECU for 725cc injectors @ 60 psi fuel pressure, 9000 RPM's, eliminated Boost limiter, advanced ignition timing requires VP C12 Race gas. R11 is designed for the C5 Monster Wheel Kit or any wheel kit rated for 18 pounds of boost.

**Part #802-01812 R&D R12 ECU;** Reprogrammed ECU for 1000cc injectors @ 60 psi fuel pressure, 9000 RPM's, eliminated Boost limiter, advanced ignition timing requires VP MS 109/C12 Race gas. R12 is designed for the C5 Monster Wheel Kit or any wheel kit rated for 18 pounds of boost.

**NOTE:** Rev Limiter settings can be raised or lowered upon request.

YAMAHA 4 STROKE
INTAKE SYSTEMS
ENGINE/ GASKETS
EXHAUST
DRIVE LINE HANDLING
ELECTRICAL
WATERLINE /BILGE
STEERING & CONTROLS
BODY
ACCESSORIES
SERVICE TOOLS /HARDWARE
CHEMICAL

## R&D YAMAHA SHO/FZ/FZR POWERSHOT ADJUSTABLE FUEL TUNER

The new R&D Powershot Fuel Injection/Engine Tuning module for the YAMAHA SHO/FZR will deliver increased acceleration, stronger mid-range, and increased top speed performance by delivering a higher performing air to fuel ratio (A.F.R.) and allowing higher mass air/boost pressure levels to be utilized. R&D Performance has data logged and analyzed the O.E.M. fuel map and Fly By Wire functions on the new Yamaha SHO/FZR four stroke engine and has determined that one of the main horsepower and performance holdbacks in Yamaha's Fly by Wire E.C.U. system is the mass air or boost limitation that is controlled by the Fly by Wire Throttle System. The Yamaha E.C.U. manipulates and controls the mass air or boost pressure levels by closing the throttle plate which limits peak horsepower performance. The R&D Powershot interfaces with the E.C.U., fuel injectors, and sensors to unlock, take over, and control mass air or boost limitations. The R&D Powershot will allow the R&D C1 and C3 Monster Supercharger Wheels to perform to their full potential by defending against unwanted codes and internal E.C.U. limitations. The R&D Powershot comes pre-programmed and coded to safely alter the fuel map, intercept and recondition sensor voltage signals allowing up to 10 P.S.I. of boost pressure without throttle limitation or regulation. The R&D Powershot allows custom fuel tuning to cruise, acceleration, and top end zones. Top end fuel mixtures can be custom tuned from 13.5:1 (lean) to 11.5:1 (rich) on the fly. Quicker acceleration, stronger mid-range, and increased top speed performance is the result when the A.F.R. is tuned for optimum performance.

The R&D Powershot is fully adjustable to accommodate and properly performance tune the A.F.R. for any combination of aftermarket parts.

**No more Boost Limiter!**

Description	Part No.
R&D SHO/FZ/FZR Powershot Adjustable Fuel Tuner	802-18000



## R&D YAMAHA VXR/VXS POWERSHOT ADJUSTABLE FUEL TUNER

R&D Powershot Fuel Injection/Engine Tuning module for the Yamaha VXR/VXS. The R&D Powershot will deliver increased acceleration, stronger mid-range, and increased top speed performance by delivering a higher performing air to fuel ratio (A.F.R.) R&D Performance has data logged and analyzed the O.E.M. fuel map on the Yamaha 1.8 N/A four stroke

engine and documented that the fuel tables are a very green and stoichiometric. If quicker acceleration and stronger mid range power and the ability to have your cake and eat it too, then the Powershot is for you. The Powershot will allow you to adjust the fuel to either run green or mean. The R&D Powershot interfaces with the stock E.C.U., and fuel injectors allowing piggy back adjustments to the fuel table. The R&D Powershot comes pre-programmed and coded to safely alter the fuel map right out of the box for plug and play performance. The R&D Powershot allows custom fuel tuning to cruise, acceleration, and top end zones. Top end fuel mixtures can be custom tuned from 13.5:1 (lean) to 11.5:1 (rich) on the fly. Quicker acceleration, stronger mid-range, and increased top speed performance is the result when the A.F.R. is tuned for optimum performance. The R&D Powershot is fully adjustable to accommodate and properly performance tune the A.F.R. for any combination of aftermarket parts. Unlock the Yamaha VXR/VXS's full performance potential with an R&D Powershot Engine Tuner.

- Preprogrammed and Pre set to 12.5:1 (plug in and run)
  - Allows overall fuel map tuning
  - Utilizes O.E.M. ignition system
  - Utilizes O.E.M. fuel injectors
  - Retains all O.E.M. dash, warning, and service indicators
  - 91 octane pump gas friendly
  - Ultra easy 20 minute installation
- For competition use only!**

Description	Part No.
R&D VXR/VXS Powershot Adjustable Fuel Tuner	802-18010



## VXR/VXS HIGH PERFORMANCE ECU REPROGRAMMING SERVICES

**Part #802-02801 R&D R1 ECU;** Reprogrammed ECU for the VXR/VXS offers improved ignition timing map advancements that produce quicker acceleration and top speed performance. The fuel maps are tuned to offer a cleaner than stock (leaner idle), clean and green cruise areas which will keep fuel consumption either the same or better than stock in the cruising ranges, and an overall improvement to top speed or wide open throttle ranges. The rev limiter is raised to allow up to 8150 RPM's that will promote a more positive pump hook up in rough water conditions. The R1 ECU programs are 89 and 91octane (pump fuel) safe. The R1 program file does not require a Powershot Fuel Tuner.



**Part #802-02802 R&D R2 ECU;** Reprogrammed ECU for the VXR/VXS offers improved ignition timing map advancements that produce quicker acceleration and top speed performance. The fuel maps are tuned to offer a cleaner than stock (leaner idle), clean and green cruise areas which will keep fuel consumption either the same or better than stock in the cruising ranges, improved hard acceleration enrichment for the hard core rider that want a more aggressive mid range acceleration, and an overall improvement to top speed or wide open throttle ranges. The rev limiter is raised to allow up to 8250 RPM's that will promote a more positive pump hook up in rough water conditions. The R2 ECU programs are 91octane (pump fuel) safe. The R2 ECU program can be used with R&D Performer, Stage 1 and 2 kits. The R2 program file does not require a Powershot Fuel Tuner. NOTE: Custom Rev Limiter settings available upon request.

Description	Part No.
R&D Reprogrammed R1 ECU for the VXR/VXS	802-02801
R&D Reprogrammed R2 ECU for the VXR/VXS	802-02802

4 STROKE	YAMAHA
SYSTEMS	NAI/KE
GASKETS	ENGINE/
EXHAUST	EXHAUST
HANDLING	DRIVE LINE
ELECTRICAL	ELECTRICAL
WATERLINE	WATERLINE
& CONTROLS	/BLIGE
BODY	STEERING
ACCESSORIES	& CONTROLS
SERVICE TOOLS	BODY
HARDWARE	ACCESSORIES
CHEMICAL	SERVICE TOOLS



## RIVA/ATHENA PRO-SERIES ECU

The RIVA/ATHENA Pro-Series ECU provides a huge performance advantage to the Yamaha 1.8L Engine delivering over 50hp to the stock SHO engine. ECU is fully programmable with either RIVA supplied mapping or user adjustable parameters. Most calibrations require use 91+ octane pump fuel. Plugs directly into factory wiring harness via waterproof connectors.

adjustable parameters. Most calibrations require use 91+ octane pump fuel. Plugs directly into factory wiring harness via waterproof connectors.

Key Features Include:

1. Easy loading of supplied calibrations/maps for various performance applications.
  - Performance Fuel Mapping: Delivers optimal fuel required for your specific level of modification based on boost pressure.
  - Performance Timing Curves: Special racing curves produce more power throughout the RPM range.
  - Rev Limiter Increase: Stock rev limit can be increased so engine RPM can be run higher producing more boost pressure and horsepower.
  - Boost Control for turbo applications. (Plug & play connector for wastegate solenoid).
2. Retains all OEM dash display functions & Engine Safety Functions.
3. Provides diagnostic information that can be displayed via computer interface.
4. Includes plug & play connector for RIVA Dash/Logger unit (RY11840-LD-MD60).
5. Includes plug & play connector for optional lambda sensor kit (part# RY11540-LC1-6S5) for data logging air/fuel ratios & tuning functions.
6. Individual Cylinder Knock Control function protects engine. System identifies which cylinder is detonating by tracking firing order utilizing OEM knock sensor.
7. User selectable dual calibration capacity.

**NOTE: RIVA Pro-Series ECU is for competition use only.**

Description	Part No.
RIVA/Athena Pro-Series ECU	RY11841-ECU-HFPWC



## RIVA/ATHENA DASH LOGGER

Our new RIVA/ATHENA Dash Logger allows you to monitor and log all critical engine functions along with internal GPS driven speed data. This completely waterproof unit plugs directly into RIVA/ATHENA ECU's and is compact enough to mount on handlebar cross-bar via optional mounting pad. Large easy-to-read backlit display provides data on user friendly selectable screens. All displayed engine & GPS data is logged for review through convenient computer download via



USB port. GPS Track mapping function displays "live" lap times and related functions for buoy course training purposes. Features LED warning lights to notify operator of major engine concerns.

Key Features Include:

- Large easy-to-read backlit screen.
- Compact design allows handlebar mount with optional mounting pad.
- Rugged waterproof construction.
- Built in GPS provides speed & position info.
- Plugs directly into RIVA/ATHENA ECU with waterproof connector.
- Operates in unison with factory dash display.
- Selectable display modes include 3 user definable pages for custom data display.
- Easy to download "data file" allows review of engine functions & GPS data.
- Logger memory holds last 60 minutes of operation.
- Displays & logs the following data:
  - Displays & logs MIN/MAX values of all data.
  - GPS Track mapping displays & logs lap times.
- LED warning lights notify operator of engine concerns.

Description	Part No.
RIVA/Athena Dash Logger	RY11840-LD-MD60
For RIVA/Athena Pro-Series ECU	



Picture is for reference only. Colors may vary.

## ELME TOOLS SEVED PRO HARDWARE

- Portable and autonomous, it does not need to be plugged to any other machine
  - No PC or power connector is needed to service the PWC
  - Key Programming
  - Full Specialized technical support
- Program updates are received via the internet. The dongle system allows this, and cables and dongles are included with each program. Program updates are free.

Description	Part No.
Seved Pro Hardware Base Unit	SEVED PRO
BRP Diagnostics Program	ADS400
BRP Key Programming	ADS401
Kawasaki Diagnostic Program	ADS402
Mercruiser Diagnostic Program	ADS403
Yamaha Diagnostic Program	ADS404
Hydrospace/Benelli	ADS405
Seved Pro Hardware Base Unit	PWCPAK
+ADS400+ADS401+ADS402+ADS404+ADS405 (excludes ADS403)	
Seved Pro Hardware Base Unit	FULLPAK
+ADS400+ADS401+ADS402+ADS403+ADS404+ADS405	

# YAMAHA FX-SHO/FZ/VXR/VXS • ENGINE



## JE PISTON KITS FOR YAMAHA FX SHO 1800 (2009-2011)

PISTON KIT #	DISP.	BORE SIZE	OVER SIZE	COMP. RATIO	RING #	SLEEVE SURFACE
289959	1812cc	86mm	STD	8.6:1	JG1004-3386	Deglaze Only
292314	1812cc	86mm	STD	9.5:1	JG1004-3386	Deglaze Only
308631	1812cc	86mm	STD	10.5:1	JG1004-3386	Deglaze Only
308632	1812cc	86mm	STD	11.0:1	JG1004-3386	Deglaze Only
308633	1832cc	86.5mm	+5mm	8.6:1	JG1004-3405	Bore & Hone
308634	1832cc	86.5mm	+5mm	9.5:1	JG1004-3405	Bore & Hone
308635	1832cc	86.5mm	+5mm	10.5:1	JG1004-3405	Bore & Hone
308636	1832cc	86.5mm	+5mm	11.0:1	JG1004-3405	Bore & Hone

\*Sold as Kit (4 pistons per kit)

\*\*Piston sold complete with: rings, piston pin and locks



## CP PISTON KITS FOR YAMAHA FX SHO (2009-2011)

PISTON KIT	DESCRIPTION	RING #
M1077	86mm Standard Bore (1812cc) 2009 - 11 Yamaha FX SHO 8.6:1 Turbo	CPN-3386
M1078	86mm Standard Bore (1812cc) 2009 - 11 Yamaha FX SHO 9.5:1 Turbo	CPN-3386
M1081	86mm Standard Bore (1812cc) 2009 - 11 Yamaha FX SHO 10.5:1 Turbo	CPN-3386
Oversize Pistons		
M1082	86.5mm .5mm oversize (1834cc) 2009 - 11 Yamaha FX SHO 8.6:1 Turbo	CPN-3406
M1083	86.5mm .5mm oversize (1834cc) 2009 - 11 Yamaha FX SHO 9.5:1 Turbo	CPN-3406
M1084	86.5mm .5mm oversize (1834cc) 2009 - 11 Yamaha FX SHO 10.5:1 Turbo	CPN-3406
Stock Bore: 3.386 (86mm)		

\*Sold as Kit (4 pistons per kit)

\*\*Piston sold complete with: rings, piston pin and locks



## WISECO PISTON KITS FOR YAMAHA

Yamaha Model	Years	Bore x Stroke (mm)	Piston Kit Number	Replacement Ring Set	Pins & Clips
FX Cruiser HO	2008-10	86.00	40049M08600	8600XX	Wrist Pin S734
FX SHO	2008-10	x			Circlips
FZR	2009-10	78			W5590
FZS	2009-10				
Displacement 1812.7cc • 8.6:1 Compression Supercharged 11.1 Compression Non-supercharged • ArmorGlide™ Skirt Coated Piston sold complete with: rings, piston pin and circlips.					

\*Sold individually



## FZR HIGH PERFORMANCE RACING CYLINDER SLEEVES YAMAHA 1.8L ENGINE

R&D High Performance Racing Sleeves are made to precise specifications specific for the Yamaha FZR/SHO Supercharged engine. R&D Racing Sleeves install easily and properly using the flanged "top hang" register design. The "top hang" design when installed and seated properly will not drop or slip which will allow 100 percent head gasket contact for a positive head gasket seal. R&D Racing Sleeves are manufactured from the highest grades of centrifugally cast "Molly 2000" Chrome Molly Iron Alloy to provide superior strength and hardness. Trouble free installation, boring, and honing using kit supplied installation instructions and tips on final hone specifications for O.E.M. cast and R&D Forged Racing Piston Kits are included. When the time comes to repair wavy, scored, seized, or worn cylinders trust the pros at R&D. We have been re-sleeving race engines for over 40 years. Sleeves are sold individually.

### Description

SHO/FZR High Performance Racing Cylinder Sleeves  
LA Sleeve Yamaha 1.8L Engine Cylinder Sleeve

### Part No.

432-18000  
YA-5688



## RIVA/DARTON YAMAHA 1.8L PRO-SERIES CYLINDER SLEEVES



RIVA's new bulletproof sleeve system is the ultimate foundation for your high performance engine. Engineered specifically for the Yamaha SHO engine by Darton Sleeves, the leader in racing sleeve technology, these sleeves will hold up to extreme punishment in high boost applications. Innovative "Flat-Lock" flange design locks sleeves in place reinforcing block and protecting head gasket.

flange design locks sleeves in place reinforcing block and protecting head gasket.

Key Features Include:

- Integrated Flat-Lock flange design protects block.
- Bulletproof Darton ductile steel construction.
- Increased horsepower potential.
- Ideal for high boost supercharged & turbo applications.
- Superior ring sealing.
- Can be installed by your local machine shop.

### Description

RIVA/Darton Yamaha 1.8L Pro-Series  
Cylinder Sleeves (Sold 4 sleeves per set)

### Part No.

RY10040-SLV-470



## NGK SPECIAL SPARK PLUGS FOR FOUR STROKE ENGINES

### Description

Yamaha FX SHO/FX Cruiser,  
SHO/FZR (10 plugs per box) Solid Tip Plug

### Part No.

LFR6A

YAMAHA  
4 STROKE

NAIATKE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BLIGE

STEERING  
& CONTROLS

BODY

ACCESSORIES

SERVICE TOOLS  
/HARDWARE

CHEMICAL



## CARRILLO CONNECTING RODS

**Description** Carrillo Connecting Rod Set  
**Part No.** YA-FXSHO>-9M5709S-04  
 Yamaha 1.8L 4 cylinder (sold 4 rods per set)



## RIVA PRO-SERIES 4-STROKE CYLINDER HEAD GASKETS

Our Pro-Series Cylinder Head Gaskets were developed to withstand severe heat & pressure generated by high-boost and high-horsepower applications delivering maximum reliability to your racing engine.

Key Benefits Include:

- Three layer stainless construction for durability & corrosion resistance.
- Viton coated & embossed surfaces for maximum sealing between head and cylinder block.
- Unique design promotes even torque load across sealing surface & requires no re-torque.

**Description** RIVA Pro-Series Head Gasket (Standard Bore)  
**Part No.** RY10040-CHG-86  
 FX-SHO/FZR/FZS



## RIVA PRO-SERIES 4-STROKE CYLINDER HEAD STUD KITS

RIVA's ultra high strength cylinder head stud kit is essential equipment when upgrading internal components on your high boost Yamaha engine. Precision machined from premium grade 8740 alloy and heat treated to exacting tolerances, these studs dramatically increase reliability & ease of maintenance.

Key Benefits Include:

- Superior material & heat treat process provide 10X better fatigue strength than OEM bolts.
- Studs provide improved alignment of cylinder head and gasket for increased reliability and ease of maintenance.
- More accurate & consistent torque loading provides a more uniform clamping force on head gasket.
- Helps prevent blown head gaskets and assures optimum engine sealing.

**Description** RIVA Pro-Series Cylinder Head Stud Kits  
**Part No.** RY10040-HSK  
 FX-SHO/FZR/FZS



## R&D FZR HIGH PERFORMANCE RACING HEAD GASKET

R&D High Performance Racing Head Gaskets were developed to replace the O.E.M. head gasket with a higher performing Multi Layer Steel Stack Design (MLS), utilizing state of the art materials proven to withstand extreme heat generated from high cylinder pressures in high boost performance packages. Each gasket is deep dual embossed (both sides) and Viton Coated to promote a positive seal. Use the R&D Head Gasket with confidence in standard replacement situations or Pro Race Engines. Our race proven design maintains a positive seal with up to 24 pounds of boost. Available in STD 86, 86.5, 87, 87.5, and 88mm bore sizes. R&D also offers a "Super Thin" Gasket that will raise the compression level when changing piston ratio is not an option.

NOTE: R&D also offers Custom R&D/CP High Performance pistons to fit any bore size R&D Head Gasket. Gas porting also available upon request.

NOTE: No need to re-torque the head bolts after initial installation which is a big plus on DOHC engines where cams would otherwise need to be removed. Head torque specifications are included with each gasket



## COMETIC YAMAHA 1.8L OEM REPLACEMENT HEAD GASKET

**Description** Cometic Yamaha 1.8L Engine Head Gasket 86mm\*  
**Part No.** C6221  
 \*Available up to 90mm

Description	Part No.
R&D 86mm HP Head Gasket .027" 3 Layer	080-01800
R&D 86.5 HP Head Gasket .027" 3 Layer	080-01801
R&D 87 HP Head Gasket .027" 3 Layer	080-01802
R&D 87.5 HP Head Gasket .027" 3 Layer	080-01803
R&D 88 HP Head Gasket .027" 3 Layer	080-01804
R&D HP Head Gasket 0.18" 2 Layer (Specify Bore Size)	080-01810



## R&D HIGH PERFORMANCE DUAL VALVE SPRING KIT

R&D has developed an economical solution for upgrading the valve train by offering a series of upgrade parts that will work great with the O.E.M. retainer and valve seals. R&D has documented that the seat tension or pressure on the stock springs is a low 52-55 pounds,

and coil bind on the stock springs occurs .050" after full lift on the stock cams. As an industry rule or standard, as boost levels are increased to the engine, the valve spring seat pressure should be increased 1-2 pounds per pound of boost. As an industry rule, as RPM'S are increased, the spring pressure at full lift should be increased as well to reduce or eliminate valve float at high rpm frequencies. With the stock springs "short lift travel" shimming is NOT an option. Valve Springs MUST be upgraded. Also to consider is valve spring travel at full cam lift, and to have enough spring clearance freedom to run high performance camshafts or add additional spring tension pressures without coil bind issues. The R&D spring kit parts were developed and used with stock retainers during the 2009 season and have proven their performance with an APBA/IJSBA Pro Open National Championship. R&D dual springs are a "lightweight design" and manufactured from ultra clean, high tensile material with multi step surface treatments to improve fatigue strength and reliability. NOTE: R&D Spring Kits must use the R&D Bottom Spring Retainer Cups kit Pt. # 612-93006 for proper assembly and seat pressures!

### Engine Tuning Features

- 70-75 pounds at seat, 140-150 pounds at full lift (standard spec.)
- Shim friendly, add R&D spring collar base shims to add 2 pounds per .010 shim
- Allows the use of higher lift cams (up to +.080)
- Linear spring pressure curve allows smooth precision valve control
- High performance materials and surface finishes add to reliability

Description	Part No.
R&D High Perf Dual Valve Spring Kit (16 per kit)	612-93001



## R&D HIGH PERFORMANCE VALVE SHIM KIT

The R&D spring base collar "shims" offer precision valve spring tension shimming to fine tune spring seat pressures based on boost pressures the engine will run at. The R&D shim kits are offered in the thicknesses of .010", .020", and .030".

Description	Part No.
R&D .010" Thick Shim Kit (set of 16)	612-93003
R&D .020" Thick Shim Kit (set of 16)	612-93004
R&D .030" Thick Shim Kit (set of 16)	612-93005



## R&D HIGH PERFORMANCE BOTTOM SPRING RETAINER CUPS

R&D spring retainer cups will install under the R&D valve spring and support and house the bottom of the spring securely. The R&D Spring Retainer Cups must be used with the R&D spring kits for proper assembly. Use R&D Valve Spring Shim Kits to fine tune valve spring seat pressure.

Description	Part No.
R&D High Perf Bottom Spring Retainer Cups (set of 16)	612-93006



## R&D HIGH PERFORMANCE VALVE STEM SEAL KIT

R&D offers High Performance Valve Stem Seal Kits manufactured from only the best high quality Viton rubber materials that will resist high valve guide and oil temperatures to maintain a good valve seal in all

high rpm, high performance applications. When valve springs are changed out or periodic head service work is being performed, trust R&D Valve Stem Seal Kits at any performance level.

Description	Part No.
R&D High Performance Valve Stem Seal Kit	612-93007



## RIVA YAMAHA 1.8L ENGINE PERFORMANCE VALVE SEALS

RIVA's high quality viton seals are extremely resistant to heat and abrasion. Superior sealing keeps unwanted oil from contaminating combustion chambers and prevents air leakage through valve guides. A precision seal removal & installation tool (RY19040-VST) is available separately. Sold in sets of 16.

Description	Part No.
RIVA Yamaha 1.8L Engine Performance Valve Seals	RY19040-PVS



## RIVA YAMAHA 1.8L ENGINE VALVE RETAINER UPGRADE KIT

RIVA's Valve Retainer

Upgrade Kit increases the reliability of your engine by reducing the possibility of valve float at high rpm. Includes 16 lightweight, precision-machined titanium valve retainers. A must for IJSBA & APBA Stock Class race craft.

NOTE: For modified engines (Stage 3 & above) we recommend the complete RIVA Valve Train Upgrade Kit (part # RY19040-VTU).

Description	Part No.
RIVA Yamaha 1.8L Engine Valve Retainer Upgrade Kit	RY19040-SRU



## RIVA VALVE TRAIN UPGRADE KIT

RIVA's Valve Train Upgrade Kits increase the reliability of your modified engine by reducing the possibility of valve float at high rpm. Includes lightweight, precision-machined titanium valve retainers, racing valve springs, and base washers.

Description	Part No.
RIVA FX-SHO/FZR/FZS Valve Train Upgrade Kit	RY19040-VTU

4 STROKE  
YAMAHA

SYSTEMS  
MATE

GASKETS  
ENGINE/

EXHAUST

HANDLING  
DRIVE LINE

ELECTRICAL

WATERLINE  
/BILGE

STEERING  
& CONTROLS

BODY

ACCESSORIES  
SERVICE TOOLS

HARDWARE

CHEMICAL



## RIVA YAMAHA HIGH PERFORMANCE VALVE SET

**Drop-In Valve Kits:** Standard size drop-in direct replacement valves require no machining of cylinder head.

**Oversized Valve Kits:** +1mm Intake/+1mm Exhaust valves deliver more air flow (requires machining of cylinder head).

### Key Features:

- Stronger & lighter than stock valves.
- Redesigned valve heads for improved air flow & strength.
- High grade stainless intake valves resist corrosion.
- Inconel exhaust valves resist heat from high boost applications.
- Valve stems are hard-chrome plated for improved wear.
- Includes high strength valve locks.
- Sold in sets of 16 (8 Intake/8 Exhaust).

Description	Part No.
RIVA Yamaha High Performance Valve Set (Standard/Drop-in)	RY19040-HPV-0
RIVA Yamaha High Performance Valve Set (+1mm Intake / +1mm Exhaust)	RY19040-HPV-1

Installation



Removal

## RIVA YAMAHA 1.8L ENGINE VALVE SEAL TOOL

This handy tool provides easy removal and installation of valve stem seals on Yamaha 1.8L engines. Allows seal installation during fitting of valve train upgrade kit without removing cylinder head.

### Key features:

- Prevents seal distortion & gouging.
- Precision machined from 6061 aluminum & anodized.
- Knurled handle for positive grip.

Description	Part No.
RIVA Yamaha 1.8L Engine Valve Seal Tool	RY19040-VST



## RIVA YAMAHA 1.8L ENGINE VALVE LIFTER BUCKETS

RIVA Performance Valve Lifter Buckets are a "must have" item when upgrading your engine's valve train. Designed to withstand the stress of

increased valve spring tension and RPM in modified engines that can cause stock components to fail. Our lightweight valve lifter buckets are CNC machined from heat treated billet steel providing superior strength and durability. Order one kit per engine.

Description	Part No.
RIVA Yamaha 1.8L Eng. Valve Lifter Buckets	RY19040-BVL-KIT



## R&D VALVE STEM CONCENTRICITY GAUGE

The R&D Valve Stem Concentricity Gauge is a testing tool to check the roundness and trueness of valves. Small valves can distort or bend from heat produced in high performance supercharged or turbo charged engines. To achieve a perfect

seal on the seat the valve needs to be concentric and true in every dimension. Gauge is fully adjustable to accommodate a variety of valve sizes and features a rigid, positive stop that can be set once and the trueness for an entire set of valves can be measured. Kit comes complete with dial indicator accurate to .001". This is a must have tool for any engine builder to get the most out of your high performance 4 stroke engine.

Description	Part No.
R&D Valve Stem Concentricity Gauge	612-80010



## RIVA VALVE COMPRESSION TOOL

RIVA's overhead Valve Compression Tool allows easy removal of valve springs and keepers without removing cylinder head. Includes compression adapter to pressurize cylinder keeping valves in place during removal of stock springs and keepers. Fits both Yamaha 1.8L & Kawasaki 1.5L 4-stroke engines.

Description	Part No.
RIVA Valve Compression Tool	RY19040-VCT
Fits Yamaha 1.8L & Kawasaki 1.5L 4-stroke	



## FZR VALVE SPRING COMPRESSION TOOL KIT

The R&D Valve Spring Compression Tool Kit allows easy removal of the intake or exhaust valve springs and keepers without removing the cylinder

head. R&D recommends using the compression adapter from a compression gauge kit to pressurize cylinder keeping valves in place during removal of springs and keepers.

Description	Part No.
R&D FZR Valve Spring Compression Tool Kit	612-92013



## FZR CAM TENSIONER TOOL

The R&D Cam Tensioner Tool is designed to mechanically spring preload the cam chain in order to set and verify cam timing. This eliminates the process of pressurizing the hydraulic cam tensioner to verify cam timing.

Description	Part No.
R&D FZR Cam Tensioner Tool	612-92015

## R&D YAMAHA FZ/FZR/SHO RC1 RACING CAM KIT

R&D's RC1 Recreational/Racing Camshaft kit offers a great boost in horsepower for the recreational rider/racer who wants as much lift and duration that can be "Bolted In" without valve spring changes or valve guide machining. The R&D RC1 will install and work well with O.E.M. valve springs and retainers. The RC1 is a great choice for recreational and offshore riding or racing targeting the 7500-8500 RPM range for top end power while also improving low and mid range performance. The secret to the R&D cam lobe is in the precision grind finish on the cams base circle and duration at .050". R&D maintains strict specifications in this area of the cam lobe which is the key to having strong vacuum, a great idle tune, and clean acceleration performance.



Overall lobe Lift and Durations are increased to allow as much lift as possible and still run O.E.M. "uncut" valve guides. R&D has improved the lobe profile with "state-of-the-art" technologies that will reduce valve lifter friction and improve valve lifter wear. The R&D "boost friendly" lobe profiles increased lift and duration will produce a noticeable horsepower increases and work well with C1, C3, and C5 Monster Wheels and also work well with R&D R1, R2, and R3 ECU Reprogramming Services. R&D RC1 custom cams can be installed easily and shimmed with basic hand tools and the O.E.M. service manual in as little as two hours without the removal of the head, or any valve spring or retainer parts. Call R&D today for further details and specifications for all your camshaft and valve train upgrades.

- Aggressive throttle response, increased overall horsepower
- Increased rpm performance (150-200 RPM Gain)
- Increased lift and duration (.368" lift and 6° degrees more duration)
- LC and LSA tunable (with R&D Cam Gears)
- 10-15 Bolt on Horsepower upgrade
- R&D R1, R2 and R3 ECU Compatible
- Works well with R&D Valve Spring Kit upgrades
- Easy installation

**NOTE:** The R&D RC1 Recreational Camshaft Grind Specifications have been extensively endurance tested to be the best lobe profile for recreational riding or offshore racing. The lift and duration are similar to the Yamaha 1800 N.A. cam with a total lift average of .368". The duration on the RC1 cam is less at .050" lift over the N.A., however, the same 6° degree duration advantage is in the recipe. That puts the RC1 comparable on lift, equal on overall duration and a strong low end vacuum to allow the use of R1, R2, and R3 ECU's. R&D has worked hard in the duration curve area of the cam paying careful attention to the duration at .050" and overall added duration.

The R&D recreational camshaft kit is a performance modification regrind that is performed in a normal 5-7 day turnaround to your existing camshaft cores. R&D also stocks Camshaft kits that can be mail ordered direct with a reasonable additional cam core charge. R&D camshaft specifications have been performance tested against the 1800 naturally aspirated cams, and clearly, there is no comparison in the tune ability area. R&D suggests that the FZ/FZR, and SHO supercharged engines should benefit greatly from a supercharger or turbocharger specific cam lobe profile and design. If installing the R1 Cams with R&D Pro Tune Cam Timing Gears, a MoTeC or comparable ECU must be used for tuning as aggressive lobe center changes will reduce engine vacuum to lower than 15 inches and special custom tuning will be required. R&D RC1 cams are a precision tolerance regrind. Valve lifter re-shimming will be necessary. R&D will supply shimming specifications with each cam set that will make valve adjustment easy. R&D recommends the use of Hot Cams Shim Kits also available from R&D.

Description	Part No.
R&D FZ/FZR/SHO RC1 Racing Cam Kit	612-93009

## R&D YAMAHA FZ/FZR/SHO RC2 RACING CAM KIT

R&D's new RC2 Racing Camshaft kit offers a serious boost in horsepower for the racer who wants as much lift and duration that can be safely "Bolted In" without valve guide or spring base machining. The R&D RC2 Cam lobe profile has all of the same features in concept and design as our RC1 recreational lobe, except for the increased lift and duration. The secret to the R&D cam lobe is in the precision grind finish on the cams base circle and duration at .050". R&D maintains strict specifications in this area of the cam lobe which is the key to having strong vacuum, a great idle tune, and clean acceleration performance.

Overall lobe Lift and Durations are increased to allow as much lift as possible and still run O.E.M. "uncut" valve guides. R&D has improved the lobe profile with "state of the art" technologies that will reduce valve lifter friction and improve valve lifter wear. The R&D "boost friendly" lobe profiles increased lift and duration will produce a noticeable horsepower gain and can also be tuned to custom LSA (lobe separation angles) when using R&D "Pro Tune" Cam Gears (Pt. # 612-93008). The R&D RC2 will produce noticeable horsepower gains over R&D RC1 recreational cams with improved gains from idle to wide open throttle. The RC2 Cam Kit really goes to work adding top end pulling power in the 8500-9500 rpm zone. R&D custom cams can be installed easily and shimmed with basic hand tools and the O.E.M. service manual. R&D High Rev Valve Spring and shim kit parts are required for the RC2 Cam Kit to work properly without coil bind damage. Call R&D today for further details and specifications for all your camshaft and valve train upgrades.

**NOTE:** The R&D RC2 requires the installation of R&D's High Performance Valve Spring kit as the O.E.M. valve springs will run into coil bind with the added lift on the RC2 lobe profile. The RC2 will also require the use of a stand alone ECU system such as a MoTeC M400 to custom tune the fuel and ignition for optimum performance.

- Aggressive throttle response, increased overall horsepower
- Increased rpm performance (RPM range increased to 9500)
- Increased CFM airflow
- Horsepower increase gain (with R&D Cam Gears)
- Aftermarket ignition is required for custom tuning
- Works well with R&D Valve Spring Kit upgrades (Required)
- Easy installation • Bolt on 25+ Horsepower Upgrade

**NOTE:** The R&D RC2 Racing Camshaft Grind Specifications have been Race Proven during the 2009 and 2010 racing seasons. No other camshaft has more lift and more duration than the RC2. The nearest competitor to date is the Yamaha 1800 N.A. Cam with a total lift average of .368". That puts the RC2 a full .020" higher. R&D has worked hard in the duration curve area of the cam paying careful attention to the duration at .050" and overall added duration. R&D is currently working on the RC3 Racing Cam available in mid October. The R&D RC2 camshaft kit is a performance modification that is performed in a normal 5-7 day turnaround to your existing camshaft cores. R&D also stocks Camshaft kits that can be mail ordered direct with a reasonable additional cam core charge. R&D suggests that the FZ/FZR, and SHO supercharged engines should benefit greatly from a supercharger or turbocharger specific cam lobe profile design and custom LC and LSA set up.

Description	Part No.
R&D FZ/FZR/SHO RC2 Racing Cam Kit	612-93010

4 STROKE	YAMAHA
SYSTEMS	NATKE
GASKETS	ENGINE/
	EXHAUST
HANDLING	DRIVE LINE
	ELECTRICAL
	WATERLINE
	/BILGE
	STEERING
	& CONTROLS
	BODY
	ACCESSORIES
	SERVICE TOOLS
	/HARDWARE
	CHEMICAL

YAMAHA  
4 STROKE

INTAKE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGE

STEERING  
& CONTROLS

BODY

ACCESSORIES

SERVICE TOOLS  
/HARDWARE

CHEMICAL



## R&D YAMAHA FZ/FZR/SHO PRO TUNE ADJUSTABLE CAM GEAR KIT

R&D's Racing Cam Gear kit allows a huge boost in overall horsepower to be gained by custom tuning the camshafts LCA (lobe separation angle) set up. Tuning the LCA with R&D Pro Tune Cam Gears can add 200-300 RPM's, increased boost pressure, and 2-3 MPH to your existing engine package. Adjusting the camshafts LCA is a very simple "BOLT IN" modification with the R&D Pro Tune Adjustable Cam Gear Kit. Understanding the LCA concept principle is fairly easy. A wide LCA like found in the SHO and FZR will generally result in decreased valve overlap, later intake events, earlier exhaust events, and high intake manifold pressures which produce great idle, smooth accelerating with mild low and top end power. Wide LCA's are great for school buses and soccer mom vans. However, if strong mid range pull and top end horsepower is what you're looking for, then a narrower LCA will need to be generated. The R&D Pro Tune Cam Gear Kit allows the LCA (lobe separation) to be adjusted narrower which will generate increased valve overlap, earlier intake events, and later exhaust events. Resulting in snappier throttle response, increased mid range and top end power and more boost. Why spend big money on optional camshaft kits (i.e. 1800 N/A cams) that have proven to offer too narrow of LCA compromising idle tune? Buy the R&D Pro Tune Cam Gears designed specifically to improve overall power at a fraction of the cost and provide an optimum overall tune. The R&D Cam Gear Kit offers four possible LCA combinations that allow the cams to be tuned depending on the type of riding or racing and type of fuel. In fact, R&D has built a specific engine designated for degreasing, checking and proving camshaft specifications. Depend on the Pro's at R&D to deliver all your horsepower needs.

- Aggressive throttle response, increased overall horsepower
- Increased rpm performance (+200-300 RPM Gain)
- Boost Pressure Increase (+1 pound) • 15-25 Horsepower Increase
- Precision CNC Billet/Ground Cam Gears (lighter than stock)
- R&D R1, R2, and R3 ECU Compatible
- Works well with R&D Cam Regrind and Valve Spring Kit upgrades
- Easy installation • Bolt on Higher Horsepower Upgrade

NOTE: R&D has determined that the O.E.M LCA is a WIDE 120 degrees stock, with an intake cam lobe center of 122.5 degrees. Considering the LCA timing facts, using the R&D Pro Tune Cam Gears to tune the cams will generate huge performance power gains. R&D has found in testing that a 2.5 degree LCA change will act similar to a 1 pound boost addition. Tests have proven that an R&D C1 or C3 compressor wheel and a 7 degree LCA change can have the same performance advantages as a 15 pound compressor wheel. Call R&D for constant power upgrade information as we are constantly at work looking for more.

Description	Part No.
R&D Yamaha FZ/FZR/SHO Pro Tune Adjustable Cam Gear Kit	612-93008



## R&D CAM TENSIONER GASKET

R&D's new Cam Tensioner Gasket has a metal reinforced center that enables it to be reusable.

Description	Part No.
R&D Cam Tensioner Gasket	080-21025



## RIVA YAMAHA 1.8L ENGINE ADJUSTABLE CAM SPROCKET KIT

Adjustable Cam Sprocket Kit delivers a significant increase in horsepower, speed & RPM through easy cam timing adjustment. Our 'Quick-Tune' design features color coded timing inserts that lock-in desired cam adjustment in minutes without removal of cam tensioner, camshaft or cam sprocket (after initial installation). Design allows fast & easy timing adjustment; saving hours of time when testing and tuning. Sprockets are precision machined from billet steel and heat treated for maximum durability.

Key Features Include:

- Allows fast & easy adjustment of cam timing for maximum performance.
- Quick-Tune timing inserts lock-in cam timing in minutes.
- Designed for both SHO & HO Yamaha 1.8L engines.
- Works well with both stock and performance cams.
- Easy bolt-on installation.
- Includes complete instructions with tuning guide.

Description	Part No.
RIVA Yamaha 1.8L Engine Adjustable Cam Sprocket Kit	RY19040-ACS



TREY FRAME - BLACK STAR RACING  
HOT PRODUCTS SPONSORED RIDER



4 STROKE	YAMAHA
SYSTEMS	INAKE
GASKETS	ENGINE/
	EXHAUST
HANDLING	DRIVE LINE
	ELECTRICAL
	WATERLINE
	/BLIGE
	& CONTROLS
	STEERING
	BODY
	ACCESSORIES
	SERVICE TOOLS
	/HARDWARE
	CHEMICAL

## RIVA RACING YAMAHA FZR/FZS TURBOCHARGER SYSTEM RIVA RACING YAMAHA FX-SHO TURBOCHARGER SYSTEM (2008-11) RIVA RACING YAMAHA FX-SHO TURBOCHARGER SYSTEM (2012) RIVA RACING YAMAHA VXR/VXS TURBOCHARGER SYSTEM



### ENGINE KIT

- TiAL Sport racing turbocharger (water jacketed stainless steel turbine housing; Garrett GT30R ball bearing CHRA w/billet compressor wheel; integrated wastegate).
- Billet CNC machined aluminum turbo mounting bracket kit.
- Billet CNC machined aluminum exhaust manifold flange.
- Mandrel bent water jacketed stainless steel exhaust pipe (exhaust manifold to turbo).
- Stainless steel V-band clamps.
- Braided stainless steel oil line kit.

Description	Part No.
Turbocharge Engine Kit	RY18040-TEK

### REAR EXHAUST KIT

- Mandrel bent water jacketed aluminum exhaust down pipe.
- A/F ratio sensor mount in exhaust tubing.
- Water injection system to suppress sound.
- Stainless steel hose clamps.
- Billet aluminum rear exhaust through-hull outlet (4-inch).

Description	Part No.
Yam FZR/FZS Turbocharge Rear Exhaust Kit	RY15050-TREK
Yam FX-SHO (2008-11) Turbocharge Rear Exhaust Kit	RY15040-TREK
Yam FX-SHO (2012) Turbocharge Rear Exhaust Kit	RY15070-TREK
Yam VXR/VXS Turbocharge Rear Exhaust Kit	RY15060-TREK

### INTERCOOLER FOR FZR/FZS, FX-SHO (2008-12)

Description	Part No.
GEN-2' Power Cooler	RY17040-PC-I
Aluminum Intake Tube Kit (Turbocharger to Power Cooler)	RY17040-TIK
HKS SSQV Blow-off Valve Kit	RY17040-BOV-SSQV

### INTERCOOLER FOR VXR/VXS

Description	Part No.
GEN-2' Power Cooler Kit	RY17060-PC
Includes Aluminum Intake Tube - Turbocharger to Power Cooler	
HKS SSQV Blow-off Valve Kit	RY17040-BOV-SSQV

### AIR INTAKE KIT

- Genuine screen type K&N flame arrestor.
- Large 4" smooth-bore ducting.
- Water repellant pre-filter.
- Billet band clamps.

Description	Part No.
Yam FZR/FZS Turbocharge Power Filter Kit	RY13050-TPF
Yam FX-SHO (2008-11) Turbocharge Power Filter Kit	RY13040-TPF
Yam FX-SHO (2012) Turbocharge Power Filter Kit	RY13070-TPF
Yam VXR/VXS Turbocharge Power Filter Kit	RY13060

#### REQUIRED ADDITIONAL COMPONENTS:

##### • Fuel & Intake

- High Capacity Fuel Injectors
- Fuel Pressure Regulator Kit
- High Capacity Fuel Pump
- Intake Manifold Upgrade Kit
- RIVA/Wilson Billet Intake Manifold (over 18psi boost)

- Engine Internals Upgrade Kit
- Engine Internal Upgrade Kit

##### • Engine Management

- RIVA/Athena
- RIVA/VI-PEC
- Mo TeC

- Engine Cooling Upgrade Kit
- Engine Cooling Upgrade Kit

##### • Pump & Handling

- Intake Grate
- Pump Impeller
- Modified Pump Housing
- Reduction Nozzle
- Ride Plate

YAMAHA 4 STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
SERVICE TOOLS ACCESSORIES  
SERVICE TOOLS ACCESSORIES /HARDWARE  
CHEMICAL



**FZR**  
**112-18001**

## R&D FZR AQUAVEIN INTAKE GRATE

The huge FZR pump intake demands strength and an extra large wing for maximum hook up. The new R&D FZR grate utilizes an all new ultra strong 3 bar front

mount strut design to support a new "extra wide" forward mounted wing that is guaranteed to top load the FZ pump with enough water to stay hooked up and moving forward in the roughest water conditions. The new "SUPER DEEP" race legal bars are the biggest and strongest we have ever built to deliver unmatched strength. The new 3 bar concept and "Flat Faced" wide wing proved out to provide superior cornering over previous single bar designs. Big pump inlets need big grates, and that's what we have built.

\* For proper installation R&D recommends the use of the R&D Pump Shoe Seal Kit (Pt. # 162-00007)

Description	Part No.
R&D FZR Aquavein Intake Grate	<b>112-18001</b>
R&D FZR Pump Seal Kit	<b>162-00007</b>



## RIVA FZR/FZ STAINLESS STEEL TOP-LOADER INTAKE GRATE

RIVA's revolutionary new intake grate for FZR/FZS delivers the ultimate in speed, hook up & strength. All new design features oversized top loader wing and optimized inlet ramp for closed course and offshore racing.

**Bulletproof stainless steel construction** makes this grate virtually indestructible and eliminates the need for additional restrictive support bars. Race bred design significantly reduces cavitation and provides superior handling along with unmatched durability in extreme conditions.

Description	Part No.
RIVA FX Stainless Steel Top-Loader Intake Grate	<b>RY22050-1</b>



**RY22040**

## RIVA YAMAHA INTAKE GRATE

RIVA's Top-Loader intake grate improves hook up and handling in rough conditions. Center wing eliminates prop spin and cavitation found with the stock grate along with the

SHO/VXR's tendency to drop on its nose when the throttle is let off at high speeds. Powder coated to prevent corrosion.

Description	Part No.
RIVA FX-SHO/08-10 FX Intake Grate	<b>RY22040</b>
RIVA VXR/VXS Intake Grate	<b>RY21030</b>



**FX SHO**  
**112-18000**

## R&D AQUAVEIN INTAKE GRATE

Description	Part No.
R&D FX SHO Aquavein Intake Grate	<b>112-18000</b>
R&D VXR/VXS Aquavein Intake Grate	<b>112-18020</b>



## R&D PUMP SEAL KIT

R&D's new pump seal kit stuffs up all the unwanted cavities in the pump shoe that aid in producing cavitation. This kit offers a way to seal the pump shoe, which will reduce cavitation and increase pump efficiency and performance.



**FX-SHO - RY25040**



**FZR/FZS - RY25050**

## RIVA PUMP SEAL KITS

Dramatically reduce cavitation and prop spin with our easy to install Pump Seal Kits. Location specific, molded inserts fill the voids in OEM pump inlet shoe that bleed air into pump causing cavitation. Recommended for modified craft using aftermarket intake grates. Includes detailed installation instructions.

Description	Part No.
RIVA FX-SHO Pump Seal Kit	<b>RY25040</b>
RIVA FZR/FZS Pump Seal Kit	<b>RY25050</b>

Description	Part No.
FX SHO Pump Seal Kit for OEM Intake Grate	<b>162-00003</b>
FX SHO Pump Seal Kit for RIVA Racing Intake Grate	<b>162-00004</b>
FX SHO Pump Seal Kit for R&D Aquavein Intake Grate	<b>162-00005</b>
FZR Pump Seal Kit for OEM Intake Grate	<b>162-00006</b>
FZR Pump Seal Kit for R&D Aquavein Intake Grate	<b>162-00007</b>
VXR Pump Seal Kit for Stock Scoop Grate	<b>162-00008</b>
VXR Pump Seal Kit for R&D Aquavein Intake Grate	<b>162-00009</b>



## R&D PRO SERIES RIDE PLATE

The new R&D Adjustable Ride Plate delivers a perfect balance of increased top speed performance, improved cornering capabilities, and superb straight line stability. The new adjustable design utilizes kit supplied shims to fine tune the performance for a perfect balance of speed/handling for rider weight or water conditions from drag to surf. Increased top speed performance and compromises nothing when turned loose in rough water conditions. The design utilizes the vital OEM hull protection stainless steel pads, which safely disperse the pressure loads from the ride plate over a larger area on the hull. The new R&D FZR Adjustable Pro Series Ride Plate will meet the demands in performance whether being used for weekend recreational riding, closed course racing, surf, or offshore competition. Made in the USA from cast aluminum and powder coated for corrosion resistance.

- Top speed improvement
- Adjustable design
- Unique multi-step concept
- Improved straight line stability
- Significantly improved cornering
- Reduced chine walking on high speed sweepers
- Drives through chop with superior stability
- Retains reverse gate operation

Description	Part No.
R&D FZR Pro Series Ride Plate	122-18001
R&D VXR/VXS Pro Series Ride Plate	122-18004



FX SHO  
122-18000

## R&D HIGH PERFORMANCE RIDE PLATE

The new R&D SHO Pro Series Ride Plate will meet the demands in performance whether being used for weekend recreational riding,

closed course racing, or offshore competition. Increased top speed performance of .50 to 1 MPH over stock, and compromises nothing when turned loose in rough water conditions. Bow search with full fuel loads is alleviated completely.

- 1 MPH top speed improvement
- Unique multi-step concept
- Improved straight line stability
- Significantly improved cornering
- Reduced chine walking on high speed sweepers
- Drives through chop with superior stability
- Retains reverse gate mounting and operation

Description	Part No.
R&D FX SHO High Performance Ride Plate	122-18000



## RIVA PERFORMANCE RIDE PLATE

RIVA's Ride Plate delivers the perfect balance of top speed and improved handling in a variety of water conditions and speeds. Its race bred design features deep channels for improved acceleration and traction in turns. Provides excellent straightline stability at high speed with reduced porpoising. Utilizes stock ride plate support brackets and accepts OEM speedo sensor.

Key Benefits Include:

- Superior handling performance.
- Quicker planing & improved top speed.
- Reduced porpoising.
- Improved straight line tracking at high speed.
- Race bred design.
- Improves acceleration, cornering and straight line handling.
- Turnable with included shims.
- Powder coated to prevent corrosion.
- IJSBA/APBA Race Legal.

Description	Part No.
RIVA FX-SHO Performance Ride Plate	RY21040
RIVA FZR/FZS Performance Ride Plate	RY21050
RIVA VXR/VXS Performance Ride Plate	RY21060



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4 STROKE	YAMAHA
SYSTEMS	NATKE
GASKETS	ENGINE/
EXHAUST	EXHAUST
HANDLING	DRIVE LINE
ELECTRICAL	ELECTRICAL
WATERLINE	WATERLINE
& CONTROLS	/BLIGE
BODY	STEERING
ACCESSORIES	& CONTROLS
SERVICE TOOLS	BODY
HARDWARE	ACCESSORIES
CHEMICAL	SERVICE TOOLS

# YAMAHA FX-SHO & FZ • CONTROL



## RIVA FZ PRO-SERIES STEERING SYSTEM

Introducing the ultimate race proven steering system for your Yamaha FZR/FZS. Fully adjustable design features a dual tube steering head for maximum strength & rigidity. Directly replaces bulky OEM mechanism with a stronger & lighter unit that provides variable height and tilt positions. Delivers a precision feel and the confidence to push your craft to the limit with improved dependability and comfort. Bulletproof bar clamp will accept any 7/8" handlebar or 1 1/8" fat bar. Includes all necessary installation hardware and instructions. Requires use of aftermarket handlebars.

### Key Features:

- Superior strength & rigidity over OEM system.
- Billet stainless steel steering shaft is much stronger than the OEM aluminum shaft.
- Cutting edge race styling.
- Variable height and tilt adjustment.
- Accepts both 7/8" bars & 1 1/8" bulge bars.
- Billet steering arm features adjustable "quick turn" settings.
- Retains Off Throttle Steering system.
- Race tested & proven on 2010 IJSBA/APBA tours.
- All aluminum parts anodized to prevent corrosion.
- Standard 3.5" tubes provide adjustment +/- 1" from OEM low position.
- Optional 5-1/2" & 7-1/2" tubes provide additional height choices.

Description	Part No.
RIVA FZ /FZS Steering System	<b>RY20050-U-3.5</b>
5 1/2" Tube Kit	<b>RY20050-RK-5.5</b>
7 1/2" Tube Kit	<b>RY20050-RK-7.5</b>



## SATO ENGINEERING FZR/FZS STEERING SYSTEM

This billet steering system is the ultimate upgrade for the new Yamaha FZ watercraft. The system is extremely strong and allows the rider to change to handlebars of their choice.

Description	Part No.
Sato Engineering FZR/FZS Steering System	<b>SE-027020</b>



## RIVA VXR/VXS PRO-SERIES STEERING SYSTEM

Riva's VXR/VXS steering system directly replaces bulky OEM mechanism with a stronger & lighter unit that provides variable tilt adjustment. Delivers a precision feel and the confidence to push your craft to the limit with improved dependability and comfort. Bulletproof bar clamp will accept any aftermarket 7/8" handlebar or 1-1/8" fat bar. Includes all necessary installation hardware and instructions. Requires use of aftermarket handlebars.

### Key Features:

- Superior strength & rigidity over OEM system.
- Billet stainless steel steering shaft is much stronger than OEM aluminum shaft.
- Cutting edge race styling.
- Variable tilt adjustment.
- Accepts both 7/8" bars & 1-1/8" fat bars.
- Billet steering arm features adjustable "quick turn" settings.
- Retains Off Throttle Steering system.
- Integrated throttle cable retention bracket.
- All aluminum parts anodized to prevent corrosion.

Description	Part No.
RIVA VXR/VXS Pro-Series Steering System	<b>RY20060-U</b>

## R&D FX-SHO/FZR/FZS BILLET STEERING SYSTEM KITS



The new R&D Billet Steering System was developed and tested during the 2009 APBA/IJSBA National and World Championships and is a proven winner in design and performance. R&D's Billet design offers superior strength and lighter weight over the OEM steering system. Utilizing a 7/8" MX handlebar, allows the rider to personalize the bar setup to their liking. R&D chose the 7/8" diameter bar type over the Fat bar, because of the space watercraft bars need for start/stop switches, VTS switches, and custom trim lever systems. When using fat or taper bars, the bar widths are forced wider than comfortable in a watercraft application.

R&D offers two types of Handlebars for the new billet steering system, MX Low for short to average height pilots and MX high for taller pilots. Handlebars sold separately. The R&D Steering System is the way to go when setting up the ergonomic steering comfort "your way".

- 3 pounds lighter than stock system
- Easy installation (1 hour) includes all hardware and instructions
- Increases overall comfort and handling performance
- Allows custom bar setups (set up your way)
- Utilizes 7/8" diameter handlebars of our choice
- Adds a true "Factory Racing" look to your watercraft

Description	Part No.
R&D FZR / FZS Billet Steering System	<b>512-18000</b>
R&D FX-SHO Billet Steering System	<b>512-18001</b>



## R&D YAMAHA FX-SHO/FZR/FZS SPONSON KIT

The new R&D Yamaha SHO Pro Series Sponson Kit was designed and developed with all new generation performance concepts in mind to deliver a whole new

level of handling and speed performance with offshore and closed course race proven adjustability options. The R&D Pro Series Sponson Kits have been extensively offshore, race track, and 1 and 2 up recreational tested to guarantee a comfortable setting for any riding style or condition! The R&D Sponson Kit will deliver higher top speed performance and a much smoother and more predictable ride over O.E.M. sponsons. Low speed and high-speed turns are a breeze with new found control. The secret to R&D's new generation concept is in the backing plate design with an aftermarket first, low pressure, low friction concept that breaks up and relieves speed robbing drag within the sponson's backing plate channel. The new R&D design staggers the sponson blades fins water trapping area to pick up less water in the front and more in the back. The stagger/step-up concept greatly reduces chine walk in high speed corners, while allowing more rear end grip. There is also a higher end recreational/race setting with enough grip for the best of pro's! Finally there is an aftermarket sponson kit that really does it all! More top speed due to less drag, less chine walking, racer preferred rear end grip, and unmatched straight line stability.

Description	Part No.
R&D FX-SHO Sponson Kit	122-01800
R&D FZR/FZS Sponson Kit	122-01801
R&D VXR/VXS Sponson Kit	122-01820



## RIVA YAMAHA FX-SHO/FZR/FZS/VX SPONSON KIT

Unique blade design provides a significant improvement to the handling characteristics. Reduces rough water hunting and rolling sometimes experienced with stock sponsons. Sponson depth is

adjustable to control the amount of influence they have on craft. Easily installs to stock mounting points with our bulletproof mounting system that features billet inserts in sponson fins. Fits all Yamaha FX-SHO, FZR, FZS & VX models.

Description	Part No.
RIVA FX-SHO/FZR/FZS/VX Sponsons Kit	RY2625



## WORX RACING YAMAHA SHO/FZR/FZS SPONSONS

Fitting Worx sponsons provide unbelievable cornering, better control in the rough and predictable inline tracking while towing wakeboards or waterskiers. Worx sponsons are easy to fit, look great and bolt right into stock mounting holes.

Description	Part No.
Worx Racing FX-SHO Sponsons Kit	WR542
Worx Racing FZR/FZS Sponsons Kit	WR543



## R&D FX-SHO/FZR/FZS/VXR/VXS AUTO TRIM NOZZLE KIT

The R&D FX-SHO/FZR/FZS Auto Trim Kit was developed to accommodate the O.E.M. VTS Quick Shift System with a fully adjustable and fully automatic trim system! The R&D Auto Trim automatically drops a rider preferred and adjustable 2-8 degrees. Drive from turn to turn never worrying whether the trim is in the best position for perfect turn negotiation! The R&D Auto Trim allows you to set the trim up your way to carve perfect turn every time! For long straight rides the R&D Auto Trim System works in conjunction with O.E.M VTS, so stock trim settings are retained, while the R&D Auto Trim takes over in the turns. The combination allows the best of both worlds for recreational and closed course riding!

Description	Part No.
FX-SHO/FZR/FZS/VXR/VXS Auto Trim Nozzle Kit	162-18020



## R&D FX-SHO/FZR/FZS HYDRO FORCE STEERING NOZZLE

R&D's new Hydro Force Steering Nozzle for the FX-SHO/FZR/FZS is a direct replacement nozzle. The new lengthened design delivers a full 1 MPH speed gain over stock. The adjustable pivot position improves the turning radius allowing you to carve tighter turns with a more positive feel. Improved performance through speed, acceleration and handling.

Description	Part No.
R&D FX-SHO/FZR/FZS Hydro Force Steering Nozzle	162-14000



## R&D FX-SHO/FZR/FZS VTS QUICK SHIFT CAM KIT

The R&D FX-SHO/FZR/FZS VTS Trim Driver Cam is a cam device that installs directly in place of the O.E.M. plastic VTS trim driver cam. The R&D cam is designed to recalibrate the trim position amount from an O.E.M. 7 to 8 degree per shift to a finer and speed friendly 4 degree per shift. The O.E.M. SHO neutral position setting is 85 degree or 5 degree up from horizontal zero. The new recalibrated position with the new R&D Trim Cam is 87.5 degrees or 2.5 degree up from horizontal zero. The R&D Trim Cam will deliver a more positive group of adjustments that will allow much better turning capabilities, as well as finer adjustments for rough water conditions. The R&D Trim Cam will work with the O.E.M. trim nozzle assembly, or the R&D Auto Trim Kit.

Description	Part No.
R&D FX-SHO/FZR/FZS VTS Trim Driver Cam Kit	162-18010

4 STROKE	YAMAHA
SYSTEMS	MATKE
GASKETS	ENGINE/
	EXHAUST
HANDLING	DRIVE LINE
	ELECTRICAL
	WATERLINE
	/BLIGE
	STEERING
	& CONTROLS
	BODY
	ACCESSORIES
	SERVICE TOOLS
	/HARDWARE
	CHEMICAL



## R&D FX-SHO/FZR/FZS/VXR/VXS PERFORMANCE EXIT NOZZLE

The new R&D cast aluminum exit nozzle is designed to fine tune the pump and prop to maximize performance and rpm. The new R&D exit nozzle is available in 2.5 and 5 degree up sweep angles. The 5 degree positive angle lightens the nose of the craft and adds top speed; this is great for recreational use. The 2.5 degree delivers improved performance in rough water conditions by producing more nose pressure to drive the hull through the bumps; this design is perfect for closed course and offshore competition. Both types are available in bore sizes of 80, 80.5, 81, and 81.5. \*Custom bore sizes from 80 to 90 available at no extra charge, specify size when ordering. The maintenance free R&D cast aluminum and powder coated one piece construction exit nozzle is the better alternative to a removable ring design. With the new R&D nozzle the OEM reliability and safety is retained, because there is not a removable ring sleeve to vibrate loose, falls out and gets wedged in the steering nozzle creating a whole new definition to the term BUCKING.

Description	Part No.
R&D Perf. Exit Nozzle 2.5 degree 80mm	162-82800
R&D Perf. Exit Nozzle 2.5 degree 80.5mm	162-82805
R&D Perf. Exit Nozzle 2.5 degree 81mm	162-82810
R&D Perf. Exit Nozzle 2.5 degree 81.5mm	162-82815

**\*\*Custom bore sizes available at no extra charge, specify size when ordering\*\***

Description	Part No.
R&D Perf. Exit Nozzle 5 degree 80mm	162-85800
R&D Perf. Exit Nozzle 5 degree 80.5mm	162-85805
R&D Perf. Exit Nozzle 5 degree 81mm	162-85810
R&D FZR Perf. Exit Nozzle 5 degree 81.5mm	162-85815

**\*\*Custom bore sizes available at no extra charge, specify size when ordering\*\***



## RIVA FX-SHO/FZ PRO-SERIES REDUCTION NOZZLE

Our Pro-Series Reduction Nozzle is ideal for tuning your Yamaha pump combination to maximize performance. Nozzle exit diameter can be easily changed via interchangeable ring system. Looking for more RPM or acceleration power? Insert a larger diameter ring. Want more top speed or less RPM? Install a smaller diameter ring. Nozzle includes three precision-machined stainless steel rings in graduated sizes (81, 82 & 83mm). Additional ring sizes available. Note: Nozzle eliminates water spout function to maximize performance and conform to racing safety rules.

Description	Part No.
RIVA FX-SHO/FZ Pro-Series Reduction Nozzle	RY23040-N



## R&D FX-SHO/FZR/FZS/VXR/VXS ANTI-CAVITATION CONE

The R&D Anti-Cavitation Pump Cone Kit will reduce overall internal pump cavitation within the Yamaha's offset reduction/compression nozzle design. The O.E.M. reduction/compression nozzle is offset, while the O.E.M. pump cone/bearing cap remains straight which causes uneven pressures within the pump and reduction nozzle. The R&D Anti-Cavitation Pump Cone is offset and reshaped to match the O.E.M. reduction nozzle offset promoting even pressures, which will substantially reduce cavitation, increase pump hook up, boost acceleration, and increase top speed performance.

Description	Part No.
R&D Anti-Cavitation Cone	162-18000



## SHO/FZR R&D ANTI-CAVITATION TRANSOM PLATE MACHINING MODIFICATION

R&D's new SHO/FZR Anti-Cavitation Transom Plate Machining Modification service is now available. The engineers at R&D have been successful at reducing pump cavitation by removing the restriction in the OEM Transom Plate. The OEM Transom Plate has a 3mm taper that restricts water flow in front of the prop. Removing this restriction significantly reduces cavitation and improves holeshot and hook up with any prop type or diameter. The service includes line boring the Transom Plate and blue printing the new pump shoe diameter to blend with the R&D Aquavein Intake Grate, and the sealing surface of the transom plate where it mounts the hull is also improved by plugging the OEM casting pocket in the face of the Transom Plate with R&D's Sure Seal Urethane Material. R&D also offers the service to a new OEM Transom Plate available for immediate shipping.

Description	Part No.
R&D Transom Plate Machining Service	162-18004
R&D Complete new FZR Transom Plate w/Machining Service	162-18005
R&D Complete new SHO Transom Plate w/Machining Service	162-18006



## RIVA BILLET DRIVESHAFT SLEEVE KITS

RIVA's precision machined Billet Driveshaft Sleeve is a direct replacement for the thin factory rubber hose that is prone to distortion and failure. Sleeve is constructed of 6061 aluminum and is anodized to prevent corrosion. Kit includes high quality silicon couplers and stainless steel clamps. This upgraded sleeve kit is highly recommended for performance applications due to increased pump pressure that accelerates failure of original rubber hose.

Description	Part No.
RIVA Billet Driveshaft Sleeve Kit FX/FZ All	RY30040-DSS
RIVA Billet Driveshaft Sleeve Kit VXR/VXS	RY30060-DSS

## Skat-Trak USA PERFORMANCE PRODUCTS

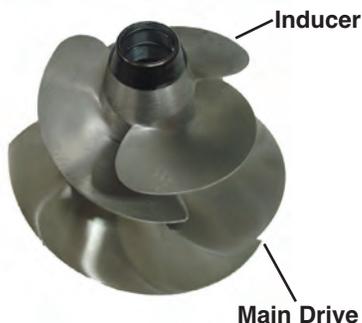


### SKAT-TRAK FX-SHO/FZR/VXR/VXS 155-75-25 SWIRL IMPELLERS

Includes a billet nose boot and impeller wrench.

Model	Year	Stock	Limited	Modified
FZR	09-12	12/20	-----	-----
FZS	09-12	11/19	-----	-----
VXR	2012	11/18	12/19	13/20
VXS	2012	11/18	12/19	13/20
FX-SHO	08-12	11/19	-----	-----
FX-Cruiser HO	08-12	11/19	-----	-----

Description	Part No.
Skat-Trak FX-SHO/FZR/FZS 11/19	SY557525SW1119
Skat-Trak FX-SHO/FZR/FZS 12/19	SY557525SW1219
Skat-Trak FX-SHO/FZR/FZS 12/20	SY557525SW1220
Skat-Trak FX-SHO/FZR/FZS 13/20	SY557525SW1320
Skat-Trak FX-SHO/FZR/FZS 13/21	SY557525SW1321
Skat-Trak FX-SHO/FZR/FZS 13/22	SY557525SW1322
Skat-Trak FX-SHO/FZR/FZS 13/23	SY557525SW1323
Skat-Trak FX-SHO/FZR/FZS 13/24	SY557525SW1324
Skat-Trak FX-SHO/FZR/FZS 13/25	SY557525SW1325



### SKAT-TRAK FX-SHO/FZR TWIN IMPELLERS

The new Twin Prop design drives of the line much quicker than the traditional single prop, and offers a substantial increase in rough water hookup.

Engine Mods	Pitch	Part No.
Main Drive Stock	12/18	SY557525SWM1218
Main Drive Limited	12/20	SY557525SWM1220
Main Drive Supermod	13/23	SY557525SWM1323

Engine Mods	Pitch	Part No.
Inducer Stock	12/17	SY440ID1217
Inducer Limited	12/17	SY440ID1217
Inducer Supermod	14/18	SY440ID1418



### RIVA SOLAS DYNAPLY R-SERIES IMPELLER

This all new impeller delivers unmatched acceleration & top speed in Yamaha FX-SHO/FZ applications. The "R" Series impeller is precision tuned to RIVA specifications using a pitch block fixture. This offers a higher level of consistency when matched with RIVA Performance Kits. Includes billet impeller cone that locks solidly into place with 3 stainless set screws. Ideal for RIVA Stage 1 applications or higher levels of modification when matched with RIVA Pro-Series FX-SHO/FZ Reduction Nozzle (part# RY23040-N).

Description	Part No.
RIVA Solas Dynafly Impeller 13/22R	YS-DF-13/22R

Solas Recommends:	Part No.
FX-SHO/FZ Stock Replacement Impeller	YS-DF-14/21
FX-SHO/FZ Limited Boat Replacement Impeller	YS-DF-15/22



### FX-SHO/FZR/FZS/VXR/VXS R&D PRO COMP CLUTCH SAVER BILLET DRIVELINE COUPLER SET

R&D Performance is proud to announce the release of the new SHO/FZR Pro Comp Clutch Saver Driveline Couplers. The new clutch saver design increases the rotational mass of the 1800cc engine. The engineers at R&D added approximately 1.5 pounds of weight to the driveline couplers to increase the rotational mass of the engine. The added mass dampens the moment of inertia and absorbs shock that the supercharger clutch and pump impeller receive each time the engine accelerates. The result is smoother engine performance with added clutch life and reduced prop shock and cavitation. These precision couplers are made from billet aircraft aluminum and CNC machined to exact tolerance. Also available for MOD SHOP conversion hull kits.

Description	Part No.
R&D Billet Coupler Set SHO/FZR/VXR/VXS	612-01801

### FX-SHO/FZR/FZS/VXR/VXS IMPELLER SHAFT HOLDER TOOL



Developed specifically for the FX-SHO/FZR/FZS/VXR/VXS watercraft, this tool is required to change the impeller. 20mm splined.

Description	Part No.
FX-SHO/FZR/FZS/VXR/VXS Impeller Tool	TOOL #53



## RIVA FZ BILLET MIRROR BLOCK-OFF KIT

RIVA's billet Block-off Kit covers the opening left in the hood when mirrors are removed for competition. Enhances craft's sleek lines and aerodynamics. Easy installation requires no special tools. Precision machined from billet aluminum and anodized to prevent corrosion. Includes installation hardware.

Description	Part No.
RIVA FZR/FZS Billet Mirror Block-Off Kit	RY5-FZ-MB



## RIVA VXR/VXS/VX MIRROR BLOCK-OFF KIT

RIVA's billet Block-off Kit covers the opening

left in the hood when mirrors are removed for competition. Enhances craft's sleek lines and aerodynamics. Easy installation requires no special tools. Precision machined from billet aluminum and anodized to prevent corrosion. Includes rubber mounting pad & installation hardware. Fits all 2010-2011 VX & 2011 VXR/VXS.

Description	Part No.
RIVA VXR/VXS/VX Mirror Block-off Kit	RY5-VXR-MB



## RIVA VXR/VXS/VX REAR STORAGE TUB

Add 4 gallons of convenient under-seat storage to your VX or VXR/VXS watercraft. Durable plastic storage tub removes easily to allow access for maintenance. Fits all 2010-2011 VX & 2011 VXR/VXS

Description	Part No.
RIVA VXR/VXS/VX Rear Storage Tub	RY4-RST-060

## RIVA PERFORMANCE RECOMMENDATION PARTS LIST

### YAMAHA FX-SHO - STAGE 1

#### PERFORMANCE DATA

Stock 67 MPH @ 7,500

Stage 1 70-71 MPH @ 7,600 RPM

Note: All testing performed with 1/3 tank of fuel; trim neutral.

#### Stage 1 Performance Parts

Description	Quantity	Part No.
Performance Power Filter Kit	1	RY13040
Intake Manifold Upgrade Kit	1	RY12040-IMUK
Free Flow Exhaust Kit	1	RY16040
Pump Seal Kit	1	RY25040
Top-Loader Intake Grate	1	RY22040
R-Series DynaFly Impeller	1	YS-DF-13/22R
Performance Ride Plate	1	RY21040

### YAMAHA FZR - STAGE 1

#### PERFORMANCE DATA

Stock 67 MPH @ 7,500

Stage 1 70-71 MPH @ 7,600 RPM

Note: All testing performed with 1/3 tank of fuel; trim neutral.

#### Stage 1 Performance Parts

Description	Quantity	Part No.
Performance Power Filter Kit	1	RY13040
Intake Manifold Upgrade Kit	1	RY12040-IMUK
Free Flow Exhaust Kit	1	RY16040
Pump Seal Kit	1	RY25050-1
Stainless Steel Intake Grate	1	RY22050-1
R-Series DynaFly Impeller	1	YS-DF-13/22R
Performance Ride Plate	1	RY21050



2012 IJSBA HOT PRODUCTS MARK HAHN MEMORIAL HAVASU 300 ENDURANCE RACE IN LAKE HAVASU CITY, ARIZONA AERO ASWAR FROM INDONESIA

# YAMAHA FX-SHO/FZ/VXR/VXS • SEAT COVER



## JETTRIM CUSTOM ORDER SEAT COVER

Description	Part No.
Jettrim FZR (09-11) Spike Design Custom Seat Cover	YFZR101
Jettrim FZR (09-11) Retro Design Custom Seat Cover	YFZR102
Jettrim FZR (2012) Custom Design Seat Cover	YFZ105
Jettrim FZS Retro Design Custom Seat Cover	YFZS101
Jettrim FZS Spike Design Custom Seat Cover	YFZS102
Jettrim FX-SHO Custom Design Seat Cover	YSHO101
Jettrim VXR Custom Design Seat Cover	YVXR101

### PRE-COLORED HOT PRODUCTS RECOMMENDED JETTRIM SEAT COVERS

#### FZR Series (09-11)



##### YFZR101-B

Top: Black Diamond Plate Non-Slip Vinyl  
Front & Rear Side: Carbon Black Large  
Spike: Smooth Light Green Vinyl  
Rear: Black Ostrich  
Stitch: Green Thread on Top

#### FZR Series (2012)



##### YFZR105-A

Top Front: Medium Slip Black  
Top Rear: Medium Slip Silver  
Front Collar: Carbon Red Vinyl  
Center Band & Tail: Carbon Red Vinyl  
Side & Back Rest: Smooth Black Vinyl  
Stitch: Red Thread

#### FZS Series



##### YFZS101-B

Front: Kevlar Black  
Top 1: Medium Slip Silver  
Top 2: Smooth Grain Red  
Rear Top: Medium Slip Black  
Rear Tail: Smooth Grain Red  
Side: Carbon Black  
Tail: Medium Slip Black  
Rear Side: Carbon Dark Silver

#### VXR Series



##### YVXR101-A

Top Front: Medium Slip Silver Vinyl  
Top Rear: Medium Slip Black  
Front Collar: Carbon Dark Blue Vinyl  
Center Band & Tail: Carbon Dark  
Blue Vinyl  
Side & Back Rest: Smooth Black Vinyl  
Stitch: Blue Thread



##### YVXR101-C

Top Front & Rear: Non Slip Black  
Diamond Plate Vinyl  
Front Collar: Smooth Grain Black Vinyl  
Center Band & Tail: Smooth Grain  
Black Vinyl  
Side: Carbon Black  
Back Rest: Bright Orange  
Stitch: Orange Thread



## HYDRO-TURF PREMIER CUSTOM ORDER SEAT COVER

Description	Part No.
FX-SHO Custom Designed Seat Cover	AZ-SEWFX1
FZR Custom Designed Seat Cover	AZ-SEWFZR
FZS Custom Designed Seat Cover	AZ-SEWFZS

### PRE-COLORED HOT PRODUCTS RECOMMENDED HYDRO-TURF SEAT COVERS



SHO

Description	Part No.
Shown in Gray Vinyl and Black Carbon Fiber with Black Stitching	AZ-SEWFX1-A



FZR

Description	Part No.
Shown in Black Gripper, Silver Carbon Fiber and Vinyl with White Stitching	AZ-SEWFZR-A



FZS

Description	Part No.
Shown in Black Gripper, Silver Carbon Fiber and Black Vinyl with White Stitching	AZ-SEWFZS-A



YAMAHA  
4 STROKE

WATKINS  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGE

STEERING  
& CONTROLS

BODY

ACCESSORIES  
SERVICE TOOLS

/HARDWARE

CHEMICAL



## R&D KAWASAKI ULTRA 250/260/300 HIGH PERFORMANCE AIR INTAKE SYSTEMS

The R&D high performance Air Filter Kit will improve acceleration and top speed performance by increasing air flow and reducing air temperatures that enter directly into the Ultra 250/260/300X's air plenum box area. The O.E.M. air plenum box on the Ultra 250/260/300X's is a great design that will flow plenty of air. However, the air that feeds the plenum box is heated by the engine. R&D has created an easy to install "flat filter" that installs directly in place of the large center access inspection cover located directly under the main glove box.

The R&D Flat Air Filter insert will allow unrestricted fresh and cool air to enter the air plenum box area which will add power you can feel and a nice high performance tone. The R&D Performance Filter Kit also features two filters, one for each of the surge and blowoff protections valves. The O.E.M. surge valve recycles compressed hot air back into the air box plenum at idle and under deceleration conditions. The R&D surge and blowoff valve filter kit removes the air recycling hoses which will keep the hot air from entering the air plenum box reducing the engines intake air temperatures. The R&D Ultra 250/260/300X's Air Filter Kit offers great performance tips on how to remove the restrictive air vent hoses which will further reduce the under seat ambient air temperatures. The R&D Filter system does not remove or alter the O.E.M. plenum box in any way, therefore there are no questions to be answered regarding water ingestion!

The R&D Filter Kit is easy to install with no modifications required to the O.E.M. parts. IJSBA legal for all classes.

Description	Part No.
A. & B. R&D Ultra 250/260/300X Cool Air Intake Kit	215-25000
<i>This kit consists of one of each 215-25001 &amp; 215-24999</i>	
A. R&D Ultra 250/260/300X Surge and Blowoff Valve Air Filter Kit Only (2 pieces)	215-25001
B. R&D Ultra 250/260/300X Cool Air Intake Flat Filter Only	215-24999



2012 IJSBA HOT PRODUCTS MARK HAHN MEMORIAL HAVASU 300 ENDURANCE RACE IN LAKE HAVASU CITY, ARIZONA



## RIVA ULTRA 250/260/300 PERFORMANCE POWER FILTER KIT

RIVA's Ultra Performance Power Filter Kit: Delivers greatly improved acceleration and increased top speed by replacing the restrictive stock intake system. The Power Filter feeds your supercharger with an increased volume of air via a large 4" diameter intake duct and oversized K&N filter element. Ducting is precision formed from a race proven composite that will not conduct heat to incoming air. Includes water-repellent pre-filter. IJSBA legal for all classes.

Description	Part No.
RIVA Racing Ultra 250X/250LX/260X/260LX Performance Power Filter Kit	RK13090
RIVA Racing Ultra 300X/300LX Performance Power Filter Kit	RK13100
Replacement Power Filter only for RK13090/RK13096/RK13100	RK13090-2
Pre-Filter only for RK13090-2	RK13090PF-BK



## RIVA ULTRA 250/260 BYPASS UPGRADE KIT

Easy to install Bypass Upgrade Kit contains all parts necessary to redirect hot air from the engine's bypass valves and crankcase vent; eliminating power-robbing engine emissions from entering your air intake system. Kit includes fitted K&N filters for bypass & blow-off valves and crankcase vent. Designed to work with both RIVA Pro-Series & Performance Power Filter Kits for Ultra 250X/260X (RK13090). Shown above.

Description	Part No.
RIVA Ultra 250X/260X Bypass Upgrade Kit	RK1750-BPUK
<i>*This kit is not compatible with the 300X model.</i>	

### KAWASAKI 4-STROKE MODEL

ULTRA 250X	2007-2008
ULTRA 250LX	2007-2008
ULTRA 260X	2009-2010
ULTRA 260LX	2009-2010
ULTRA 300X	2011-2012
ULTRA 300LX	2011-2012
STX 12F	2004-2008
STX 15F	2004-2012



## RIVA SPEED CONTROL OVERRIDE MODULE

- Removes restrictive speed limiter system.
- Increases top speed utilizing stock ECU.
- Works on all US model 2011-12 Ultra 300X & Ultra 300LX.
- U.S. models will gain 3-4mph with no additional modifications.
- Allows further top speed gains through aftermarket modifications.
- All original dash functions are retained.
- Easy plug-in installation.

Description	Part No.
RIVA Speed Control Override Module 300X/300LX (2011-12)	RK11100-SCOM



## R&D ULTRA 300X SPEED-UP MODULE (SPEED CONTROL OVERRIDE)

- 3-4 MPH top speed improvement
- Retains O.E.M dash functions, Eco mode, and Cruise Control
- Plugs into O.E.M. harness terminals for a factory looking install, completely stealth to the ECU
- Improved RPM performance (up to 300+)
- Full Boost levels achieved (2 pound boost addition)
- Top speed performance significantly improved.
- 10 minute plug and play performance
- Works well with all other performance bolt on parts (R&D Ride Plate & Aquavein Scoop Grates)

Description	Part No.
R&D Ultra 300X Speed-Up Module (2011-12)	801-15300



## ULTRA 250/260 HIGH PERFORMANCE ECU REPROGRAMMING SERVICES

R&D is proud to announce our new Ultra 250/260 ECU reprogramming services. The engineering staff at R&D has developed ECU programs to allow new performance levels to be reached for recreational enthusiasts and racers who are interested in more performance through reprogramming the OEM ECU. Entry level programs will allow the enjoyment of advanced ignition timing, and re-calibrated fuel maps. The ignition timing and fuel maps are developed to safely maximize performance with 91 octane fuel. Programs offered are recreational performance tuned with safe AFR values, and can be further custom tuned (Richened) to accommodate additional boost levels. Customers who have purchased an R&D Powershot Fuel Control Unit can use the Powershot to further custom tune the AFR to work with the new ECU Program.

R&D Powershot Fuel Control Units are not required on entry level recreational programs using stock boost. However, custom fuel tuning with the Powershot Fuel Tuner can be an add-on or additional upgrade that is suggested for higher performance applications with increased boost. Fuel tuning or AFR conditions should always be checked and verified as values will always be slightly different from one engine set up to another.

R&D strongly suggests that AFR tuning be periodically verified using Innovate Products LM1 or LC1 Logging Kit also available from R&D. Part. # 900-04378\* *\*Special Order item.*

**R&D R3 Reprogrammed ECU** with an 8800 rpm rev limiter, increased ignition timing and custom fuel maps to improve bottom and mid range acceleration with a 2.5 mph gain in top speed. Designed for recreational use with 91 octane fuel.

Description	Part No.
Ultra 250X R3 ECU Reprogramming	801-02503
Ultra 260X R3 ECU Reprogramming	801-02603

*\*R&D does not currently offer ECU reprogramming for the Ultra 300X.*



## R&D ULTRA 250/260/300 POWERSHOT ADJUSTABLE FUEL TUNER

The R&D Powershot fuel injection tuner will deliver increased horsepower, acceleration, and stronger mid-range performance by delivering a higher performing Air to Fuel Ratio (A.F.R) to engine. Many of today's high performance fuel injected four stroke muscle craft have a lean A.F.R. R&D Performance has tested, documented, and analyzed the O.E.M fuel maps on every current fuel injected four stroke watercraft, and pre-programmed and coded the new R&D Powershot fuel injection control module to safely alter the O.E.M. fuel map to a higher performing and safer A.F.R. (richer). More horsepower, greater acceleration and stronger mid-range are the result when the proper A.F.R. is achieved and is tuned for optimum performance.

The R&D Powershot is fully adjustable on the fly (with the engine running, observed and tuned while riding), and will accommodate a wide range of adjustability to properly performance tune the A.F.R. for any combination of aftermarket parts. The R&D Powershot will add horsepower, reliability, and adjustability to any electronic fuel injected two or four stroke personal watercraft engine.

Description	Part No.
R&D Ultra 250/260/300X Powershot Fuel Tuner	801-25000

KAWASAKI  
4 STROKE

MATKIE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BLIGE

STEERING  
& CONTROLS

BODY

ACCESSORIES

SERVICE TOOLS  
/HARDWARE

CHEMICAL

KAWASAKI  
4 STROKE

INTAKE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGE

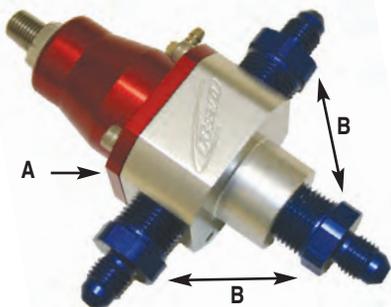
STEERING  
& CONTROLS

BODY

ACCESSORIES

SERVICE TOOLS  
/HARDWARE

CHEMICAL



## R&D UNIVERSAL FUEL PRESSURE REGULATOR

Universal bypass fuel pressure regulator for carbureted or EFI fuel systems applications. Base fuel pressure is adjustable from 20 to 60 PSI with high pressure spring (installed). Ideal for carbureted and EFI bypass applications where more flow and superior pressure control are desired.

The universal type bypass style regulator is capable of

handling any fuel pump up to 250 GPH. Replace "Deadhead" regulator performance and experience full flow volume and steady fuel pressure.

Description	Part No.
A. R&D Fuel Pressure Regulator (Fittings not included)	801-25010
B. #4 AN Straight Fitting (Blue Anodized) (Sold individually)	611-27503



## R&D UNIVERSAL #4 AN FUEL RETURN LINE FITTING ADAPTER KIT

The R&D Universal Fuel Return Line Adapter Fitting can be installed into the top of any fuel tap assembly by finding a clear area on top of the fuel tap system large enough to install the fitting. Drill a 15/32" or #56 (.468) drill size hole and install the

fitting using the kit supplied aluminum seal washer on each side of the fitting. The R&D universal fuel return fitting kit is the safest and cleanest way to properly install a fuel return to the top of any make or model fuel tap assembly. Kit comes with one #4 AN bulkhead fitting, one # 4 AN bulkhead nut, and two #4 AN 7/16" Aluminum washers.

Description	Part No.
R&D Universal #4 AN Style Fuel Return Line Adapter Kit	611-27501



## R&D FUEL PRESSURE GAUGE

R&D offers the Autogage fuel pressure gauge gives the best reference in verifying and monitoring fuel pressure precisely on any supercharged or boosted engine. 0 to 100 psi.

Description	Part No.
R&D Fuel Pressure Gauge	900-02180



## R&D ULTRA 250X ENGINE PERFORMER KIT

STOCK ULTRA 250X AVG. SPEED • 65.5-66 MPH @ 7600-7700 RPM  
STAGE 1 PERFORMANCE KIT • 72-72.5 MPH @ 8050-8100 RPM

The R&D Performer Engine Kit Option will add a great boost in overall power. Increased low end and mid range response and acceleration, as well as a solid 2 MPH gain in top speed performance. The R&D Performer Engine Kit will deliver more horsepower reliably with the properly matched fuel control component parts only available through R&D. The R&D Performer Engine Kit will perform excellent in all recreational riding conditions using 91 octane pump gasoline. **Sold as complete kit only.**

The R&D Ultra 250X Performer Engine Kit #611-24349 consists of:

Description	Part No.
R&D Tensioner Wheel	611-25000
R&D 1 to 1 Supercharger Wheel	611-25011
R&D Powershot	801-25000
R&D 255 Low Pressure Fuel Pump	811-25255
R&D Fuel Pump Installation Tool	811-25257



## R&D UNIVERSAL HIGH PERFORMANCE HIGH VOLUME FUEL PUMP KITS

All R&D fuel pumps have been precision flow rate tested and charted in (LPH) liters per hour. R&D

fuel pumps arrive complete with terminal connectors for both the new high performance pumps quick connect installation, as well as extra terminal connector parts for the O.E.M. pump for use when converting back to stock. The R&D quick connect terminals help make fuel pump testing easy when switching from a low pressure to a high pressure fuel pump.

Description	Part No.
R&D 255 LPH (Liter Per Hour) Low Pressure Fuel Pump Kit (Performer Kit)	811-25255
R&D 255 LPH (Liter Per Hour) High Pressure Fuel Pump Kit (400hp Aftermarket Supercharger)	811-25256
R&D Fuel Pump Swedge Tool*	811-25257

\*NOTE: R&D High Performance fuel pumps are .040 larger than O.E.M. Mitsubishi fuel pumps on Yamaha's and Kawasaki's, therefore it may be necessary to use the R&D Fuel Pump swedge tool to enlarge the fuel pump housing for easy installation.



## ULTRA 250/260/300 OEM FUEL PUMP PRESSURE REGULATOR BLOCKOFF FITTING

R&D offers a Fuel Pump Pressure Regulator Blockoff Fitting Kit which will allow the O.E.M. stock in tank fuel pressure regulator to be removed completely and replaced with a billet part which is necessary when installing an aftermarket externally adjustable fuel pressure regulator. The R&D fitting is manufactured to "Deadhead" or block the port solid, however, the fitting is pre-machined and tapped and can be relief drilled to be able to install a Mikuni Super BN Series jet directly into the fitting for a small in tank restrictor jet which for fine tuning fuel pressures. \*Mikuni Jet not included.

<b>Description</b>	<b>Part No.</b>
R&D 250/260/300 Fuel Pump Pressure Regulator Blockoff Fitting	811-25100



## R&D ULTRA 250/260/300 DEEP FUEL PICKUP

The R&D Deep Fuel Pickup is designed to maximize fuel volume. The stock fuel pickup is located horizontally in the gas tank three inches above the bottom of the tank. This leaves approximately 5 gallons of unusable fuel in the bottom of the tank. The R&D Deep Fuel Pickup relocates the stock fuel pickup to the bottom of the tank in a vertical position. The new positioning allows for 24 percent more riding time per tank of gas.

<b>Description</b>	<b>Part No.</b>
R&D Ultra 250/260/300 Deep Fuel Pick Up	801-25100

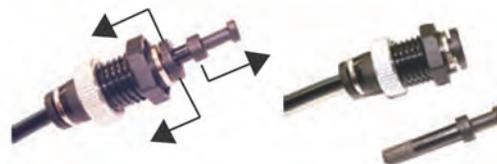
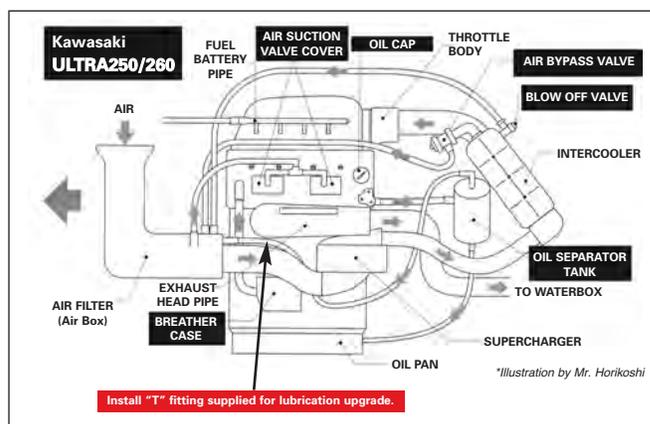


## R&D ULTRA 250X HIGH FLOW FUEL INJECTOR KIT

When boosting the horsepower on a Kawasaki four stroke fuel injected engine, whether using high compression pistons, cams, or higher ratio supercharger compressor wheels, it will be necessary to increase the fuel flow delivery. The O.E.M. Kawasaki injectors have been precision flow rate tested to be 90 to 95 percent peaked on stock units at sea level without modifications. R&D offers high performance fuel injectors with a higher atomization spray pattern that are easily capable of delivering fuel flow specifications to accommodate up to 375-400 horsepower!

R&D has flow rate tested the O.E.M. Ultra 250X injectors and verified them to flow 375cc at 40 PSI of fuel pressure, which rates them to flow 38 pounds of fuel per hour. The R&D High Performance Fuel Injectors have been precision flow rate tested to 625cc at 70 PSI of fuel pressure, which rates them to flow 62 pounds of fuel per hour. R&D High Performance Injectors have been flow rate tested to perform excellent, delivering precise fuel flow at fuel pressure ratings ranging from 40 to 80 PSI. R&D offers only the highest quality fuel injectors, fuel pressure regulators, and fuel management accessories for all your fuel management needs.

<b>Description</b>	<b>Part No.</b>
R&D Ultra 250X High Flow Fuel Injector Kit	811-25000



## ULTRA 250/260 LUBRICATION UPGRADE KIT

Upgrade your Ultra 250/260 to have a lubrication inlet nozzle kit like the Ultra 300 has directly from the Kawasaki factory. This kit will allow you to spray a aerosol lubricant of your choice into the supercharger, intercooler and throttle body to prevent rust from the excess moisture in the system. Complete instructions, pictures and a diagram supplied for a simple installation.

<b>Description</b>	<b>Part No.</b>
Ultra 250/260 Spray Nozzle Inlet for Lubrication	IWCS-USU



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HAVASU 300 ENDURANCE RACE IN LAKE HAVASU CITY, ARIZONA  
JSP KOUHOKU UEDA/HASHIMOTO  
OVERALL 24TH, PRO-AM 4 STROKE 9TH

KAWASAKI 4 STROKE	MAI SYSTEMS	ENGINE/ GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BLGE	STEERING & CONTROLS	BODY	ACCESSORIES	SERVICE TOOLS /HARDWARE	CHEMICAL
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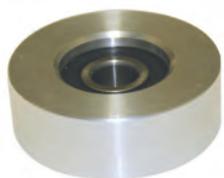
## R&D ULTRA 250X/260X SUPERCHARGER PULLEYS

The new R&D Racing Supercharger Pulley Wheel will deliver a noticeable and impressive boost in torque and overall horsepower. Designed and manufactured from high quality billet aluminum and precision hard anodized for superior belt wear resistance. The R&D

Pulley is 3/4 lb lighter than the O.E.M. steel pulley, and delivers 2.5 to 3.5 lbs of additional boost pressure along with 30 horsepower. The holeshot acceleration is a solid 1.5-2 boat lengths over stock with a top speed gain of 1 to 2 mph over stock. The R&D Pulley comes completely assembled with a new high performance bearing, all necessary hardware and installation instructions.

R&D strongly recommends the use of the R&D Powershot Fuel Tuner, R&D High Output Fuel Injectors and High Volume Fuel Pump Kit to increase fuel flow delivery when using the R&D Supercharger Wheel. Not using these recommended parts can result in engine damage due to a lean air fuel ratio.

Description	Part No.
R&D Supercharger Pulley Wheel 1 to 1 (entry level)	611-25011
R&D Supercharger Pulley Wheel 1.05 to 1	611-25105
R&D Supercharger Pulley Wheel 1.1 to 1	611-25110
OEM Replacement Supercharger Pulley	611-25010



## R&D ULTRA 250X/260X SUPERCHARGER BELT TENSIONER WHEEL

R&D has significantly improved the Ultra 250X's serpentine belt tensioning wheel system by redesigning and precision machining a new

tensioner wheel with a larger O.D. The new R&D Tensioner Wheel offers a wider adjustment range and helps to reduce belt slippage via more surface area for belt contact. Wheel comes complete with precision bearing installed.

Description	Part No.
R&D Ultra 250X/260X Supercharger Belt Tensioner Wheel	611-25000



## ULTRA 250X/260X BEARING REBUILD KIT

R&D recommends the inspection of the R&D Supercharger and Tensioner wheel bearings after 15 hours and replacing them after 20 hours.

\* For the use of R&D supercharger pulleys and tensioner wheel only.

Description	Part No.
R&D Ultra 250X/260X Bearing Rebuild Kit	611-25009

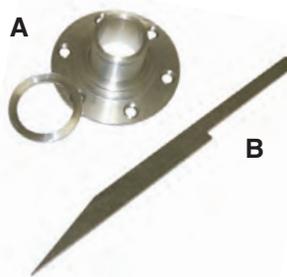


## ROGUE RACING ULTRA 250X/260X SUPERCHARGER PULLEYS

Rogue Racing Pulleys are designed with bearing and belt life as one of the main upgrades from the OEM pulley. Rogue Racing engineered these pulleys to decrease and dissipate heat to reduce the wear on the pulley and belt from the heat generated while riding. The pulleys also have belt guides manufactured into them to prevent the belt from possibly jump off of the pulley. The pulleys are anodized to prevent corrosion.

Description	Part No.
Offshore/Endurance (.95 to 1 • Stock Boost)	PR-LARGE
Closed Course (1.00 to 1 • +2.5lbs Boost)	PR-MEDIUM
Closed Course/Slalom (1.05 to 1 • +3.5lbs Boost)	PR-SMALL
Rogue Racing Tensioner Wheel	PR-IDLER

*\*The OEM stock size pulley is ok to use on a stock engine setup. For the smaller pulleys that increase boost a high volume fuel pump should be used with a regulator to govern the proper fuel pressure. To adjust the fuel pressure to the proper pressure an AFR kit is required to monitor the exhaust gases to read the air/fuel mixture.*



## R&D ULTRA 250X/260X SUPERCHARGER WHEEL BILLET HUB KIT

The R&D Supercharger Hub Kit will replace the O.E.M.'s vulnerable part with a redesigned and beefed up precision CNC Machined 6061 billet aluminum part that is much stronger than stock. The new R&D design also offers pulley wheel alignment adjustments with a CNC machined Shim Kit that allows for precision serpentine belt cog alignment. The R&D kit comes complete with a special tool that will indicate the perfect alignment of the crank drive and compressor pulleys. At 8,000 RPM, horsepower and belt life can be greatly sacrificed through misaligned pulleys! The R&D kit offers superior strength, precision pulley alignment, and extended serpentine belt life.

Description	Part No.
A & B. R&D Ultra 250X/260X Supercharger Wheel Hub Kit	611-25001
B. R&D Pulley Alignment Tool Only	611-26000



31-700590

## ULTRA 250/260/300X 150/12F/15F BILLET DRIVE COUPLERS

Billet aluminum drive coupler set for the Kawasaki 250X & 260X. The crank side coupler with the pulley is 1.24lbs lighter than the stock steel coupler. The pulley diameter is the same as stock. Uses the stock

rubber dampener. Clear anodized for protection against saltwater corrosion.

Description	Part No.
Ultra 250X/260X/300X Billet Drive Coupler Set	31-700590
Ultra 150/12F/15F Billet Drive Coupler Set	31-700490



## R&D ULTRA 250X/260X SUPERCHARGER WHEEL PULLER TOOL

The R&D wheel puller tool makes it fast and easy to remove a supercharger wheel without the removal of the intercooler system or the water muffler assembly. The R&D

Supercharger drive wheel puller will save at least an hour on a pulley removal and replacement. A must have tool.

Description	Part No.
R&D Ultra 250X/260X SC Wheel Puller Tool	611-26004



## R&D ULTRA 250X/260X DRIVER WHEEL HOLDER TOOL

The R&D Holding Tool makes it fast and easy to

remove and re-install a supercharger wheel without damaging or breaking the wheel hub. Use the holding tool to properly torque the drive bolts and main spline drive bolt. A must have tool.

Description	Part No.
Ultra 250X/260X Driver Wheel Holder Tool	611-26003



## R&D ULTRA 250X/260X/300X SUPERCHARGER GEAR OIL

R&D's new Supercharger Gear Oil is specifically formulated to perform in ultra high temperatures and provide maximum gear lubrication with minimum drag. Sold by the quart.

Description	Part No.
R&D Ultra 250X/260X/300X Supercharger Gear Oil	611-27000



## R&D ULTRA WASTE GATE BLOCK-OFF KIT

The new R&D Waste Gate Block-Off kit is designed to block-off the inconsistent OEM waste gate. The CNC machined part allows the supercharger to deliver its boost without premature pressure loss from a leaking waste gate. Kit comes complete with gaskets and hardware.

Description	Part No.
R&D Ultra 250/260/300X Waste Gate Block-Off Kit	611-26001



## R&D ULTRA 250/260/300 BOOSTGAUGE ADAPTER

The R&D Boost Adapter installs between the supercharger and the waste gate and allows the ability to mount a boost gauge to it via 1/8" fitting. This will enable an accurate measurement of boost the supercharger is delivering. Kit comes with gaskets and hardware.

Description	Part No.
R&D Ultra 250/260/300X Boost Gauge Adapter	611-26002



## R&D ULTRA 250X TEMPERATURE SENSOR INTERFACER

R&D Performance offers a unique supercharger air temp sensor interfacer which may be necessary on some Ultra 250X units. There have been some Ultra 250X models that will default into "limp home mode" if the charger temperature sensor is peaked prematurely. Any Ultra 250 which as this default occur on long rides on hot (115 degree) days should install the R&D Supercharger Temp Interfacer Kit. The Interfacer is an inexpensive fix for this randomly occurring problem on random boats.

Description	Part No.
R&D Ultra 250X Temperature Sensor Interfacer	801-25008



## R&D AUTOMETER 0-35 PSI UNIVERSAL BOOST GAUGE

R&D offers the Autometer Ultra-Lite Series 2" mechanical boost gauge to give the best reference in verifying and monitoring boost levels precisely. Installing a precision boost gauge is the only way to know exactly what boost level the compressor is producing.

Check and verify constant boost conditions, verify clutch conditions and true boost level gains when installing aftermarket compressors, compressor wheels, and overdrive compressor drive wheels. The Autometer Gauge kit comes complete with all the necessary hardware, and 10 feet of nylon tubing to install on any watercraft.

Description	Part No.
R&D Autometer Universal Boost Gauge	900-04304
R&D Ultra 250 Boost Gauge Adapter	611-2602

*\*NOTE: It will be necessary to order an R&D Boost Gauge Adapter Kit for the specific make and model of engine.*

KAWASAKI  
4 STROKE

MAJIK  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BLGE

STEERING  
& CONTROLS

BODY

ACCESSORIES  
SERVICE TOOLS

/HARDWARE

CHEMICAL



## RIVA FREE FLOW EXHAUST KIT ULTRA 250 (07) & STX-15F (04-09)

Enables you to bypass or remove secondary muffler (weight savings of +10lbs) improving engine performance by reducing back pressure and harmful detonation. Formed aluminum exhaust tube is lightweight and powder coated to resist corrosion. Included billet exhaust tip (also sold separately) with laser-etched graphics is anodized to prevent corrosion. High temperature silicone couplers included with detailed installation instructions.

Description	Part No.
RIVA Racing Free Flow Exhaust Kit Ultra 250X (07), 250LX (07)	<b>RK16090</b>
RIVA Racing Free Flow Exhaust Kit STX-15F (04-09)	<b>RK16085</b>



## RIVA ULTRA 250 (08)/260/300 FREE FLOW EXHAUST KIT

High quality mandrel bent aluminum exhaust tube will survive meltdowns & backfires. Includes billet exhaust outlet with laser etched graphics that is anodized to prevent corrosion. High temperature silicone couplers included along with detailed installation instructions.

**2011-12 Ultra 300:** Replaces soft rubber exhaust hose with sturdy aluminum tubing. For maximum performance, use with RIVA Pro-Series Water Box (part# RK16091-1).

**2008-10 Models:** Replaces restrictive 1 3/4" rubber exhaust hose with large 2 1/4" aluminum tubing & outlet. For maximum performance, use with RIVA Pro-Series Water Box (part# RK16091-1). Can also be utilized with OEM water box using silicone reduction coupler (part# RK16090-08-ERC).

Description	Part No.
RIVA Racing Free Flow Exhaust Kit Ultra 250 (08), 260 (09-10), 300 (11-12)	<b>RK16090-08</b>



## RIVA RACING PRO-SERIES ULTRA 250/260/300 WATER BOX

Developed on RIVA's Dyno and tested extensively on the water, this water box features radiused exhaust tubes and end caps for optimum exhaust flow. Unique exhaust baffle will increase the low-end power and mid-range pull of your Kawasaki Watercraft. Delivers up to 15hp on modified engines along with significant torque gains. High-strength aluminum construction will survive backfires and meltdowns. Powder coated to prevent corrosion. A must for modified motors. Includes detailed installation instructions.

Key Features:

- Delivers up to 15hp on modified craft.
- Machined hose flanges for reliable coupler retention.
- Radiused exhaust tubes & end caps.
- Powder coated to prevent corrosion.

**2011-12 Ultra 300:** Direct replacement for original water box. Use with stock exhaust outlet hose or RIVA Free Flow Exhaust Kit (part# RK16090-08).

**2008-10 Models:** Direct replacement for original water box. Features larger outlet (2-1/4") compared to stock water box (1-3/4"). Must be used with RIVA Free Flow Exhaust Kit RK16090-08.

**2007 Models:** Direct replacement for original water box. Use with RIVA Free Flow Exhaust Kit (Part # RK16090).

Description	Part No.
RIVA Ultra 250/260/300 Pro-Series Water Box	<b>RK16091-1</b>

## RIVA EXHAUST REDUCTION COUPLER

Fits: **2009-2010 Ultra 260 & 2008 Ultra 250.**

High-temp silicone reduction coupler allows RIVA Free Flow Exhaust Kit (Part # RK16090-08) to be used with the stock water box.



Description	Part No.
RIVA Exhaust Reduction Coupler	<b>RK16090-08-ERC</b>



## RIVA RACING BILLET EXHAUST TIP FOR ULTRA 250X/LX, 260X, STX-15F/12F

Quickly and easily add style to your craft with this direct replacement for

the stock, plastic exhaust tip. Made from billet aluminum with laser etched graphics. Anodized to prevent corrosion.

Description	Part No.
RIVA Racing Billet Aluminum Exhaust Tip Ultra 250X/LX (07), STX-15F (04-09)/STX-12F (03-08)	<b>RK16086</b>
RIVA Racing Billet Aluminum Exhaust Outlet Ultra 250X/LX (08), 260X (09-10), 300X (11-12)	<b>RK16090-E0</b>



## RIVA ULTRA 300 EXHAUST RACE PLATE

RIVA's Exhaust Race Plate allows easy removal of restrictive honeycomb element on Ultra 300 for competition use. OEM exhaust element is located inside exhaust manifold obstructing exhaust flow and producing excessive heat.

Installation of Race Plate increases horsepower and reduces under-hood operating temperatures. Plate is precision machined out of high quality stainless steel. FOR COMPETITION USE ONLY.

**Description**

RIVA Ultra 300 Exhaust Race Plate

**Part No.**

RK18100-ERP



## ULTRA 250/260/300 INTERCOOLER TEMPERATURE CONTROL UPGRADE KIT

The R&D Ultra 250 Intercooler Temperature Control system was developed to offer an inexpensive complete bolt on kit that will allow the full performance and cooling potential the O.E.M. intercooler has to offer for recreational applications. Intercooler core water temperatures have a range of affect on the supercharged air temperatures that enter into the engine. The Kawasaki Ultra 250 Intercooler operates on a dual line entrance mixture of lake temperature water and hot (140 degree) engine water that enters from the exhaust manifold to the top of the intercooler. R&D has found that bypassing the hot engine cooling water directly outward, and adding an additional intercooler cooling line, there can be a substantial and noticeable increase in low end and midrange power along with reduced detonation. The R&D Intercooler Temperature Control Kit also includes an industry first intercooler pressure relief blowoff valve to keep internal water pressures down to safe O.E.M. pressure ranges. R&D offers a range of machined flow control fittings to allow water volume control tuning for intercooler temperature adjustments for warm lake water and extreme hot air conditions. R&D offers an additional pressure relief blowoff valve kit for high water volume flow rates on higher boost Performer and Stage 1 engine kits. The R&D Kit will allow temperature tuning that will deliver surprising results.

- More horsepower with cooler intake air temperatures
- Increased acceleration and mid range performance
- Reduces detonation in hot weather conditions
- Temperature control tuneability
- An inexpensive recreational performance addition
- Pressure relief valve preserves O.E.M. intercooler
- Easy installation instructions

**Description**

R&D 250/260/300 Intercooler Temperature Control Upgrade Kit

**Part No.**

660-82500



## R&D ULTRA 300 PERFORMANCE EXHAUST PLATE

The R&D Performance Exhaust Plate replaces the restrictive OEM exhaust honeycomb filter that Kawasaki recommends inspecting or replacing every 25 hours. The R&D Exhaust Plate eliminates excessive exhaust heat and flow restriction produced by the OEM exhaust filter. Improved exhaust

flow decreases back pressure, and heat and increase performance. The Exhaust Plate also features small water ports that decrease water flow to the water box, which eliminates hard starting conditions from wet spark plugs. The R&D Exhaust upgrade never needs to be inspected or replaced. Kit comes complete with gaskets to install.

**Description**

R&D Ultra 300 Performance Exhaust Plate

**Part No.**

331-35300



## R&D HIGH TEMPERATURE SILICONE COUPLINGS

**Description**

Description	Part No.
3" - 3" High Temp Silicone Couplings	061-30030
3" - 2" Reducer High Temp Silicone Couplings	061-32500
2.75" - 2.5" Reducer High Temp Silicone Couplings	061-32501
3" - 2.75" Reducer High Temp Silicone Couplings	061-32750



## R&D ULTRA 250X (07) EXHAUST EMISSION BLOCK OFF KIT

- Inexpensively replace prematurely worn or leaking valves
- Lowers exhaust temperatures
- Lowers exhaust back pressures
- More responsive low end performance
- More consistent top speed averages
- More precise AFR tuning

**Description**

R&D Ultra 250 (07), 250LX (07), STX-15F, STX-12F Exhaust Emission Block Off Kit

**Part No.**

331-25000

KAWASAKI  
4 STROKE

MAKES  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BLGGE

STEERING  
& CONTROLS

BODY

ACCESSORIES

SERVICE TOOLS  
/HARDWARE

CHEMICAL

KAWASAKI  
4 STROKE

INTAKE  
SYSTEMS



## RIVA ULTRA VALVE TRAIN UPGRADE KIT

RIVA's Valve Train Upgrade Kits increase the reliability of your modified engine by reducing the possibility of valve float at high rpm. Includes lightweight, precision-machined titanium valve retainers, racing valve springs, and base washers.

Description	Part No.
RIVA Ultra Valve Train Upgrade Kit Ultra 250/260, STX-15F	RK19085-VTU

ENGINE/  
GASKETS

## RIVA KAWASAKI HIGH PERFORMANCE VALVE SET



RIVA High Performance Valve Kits are engineered to improve reliability and performance in high-boost super-charged & turbocharged engines. Intake valves are built from high grade EV-8 (24-4N) stainless that is extremely resistant to corrosion. Exhaust valves are built from inconel alloy (IN-751). Direct drop-in replacement valves require no machining of cylinder head.

- Stronger & lighter than stock valves.
- Redesigned valve heads for improved air flow & strength.
- High grade stainless intake valves resist corrosion.
- Inconel exhaust valves resist heat from high boost applications.
- Valve stems feature hard-chrome plating for superior wear & lubricity.
- Includes high strength valve locks. • Sold in sets of 16 (8 Intake/8 Exhaust)

Description	Part No.
RIVA Ultra 250/260, STX-15F* High Performance Valve Set <i>*300X exhaust valves are 1mm larger than 250/260</i>	RK19085-HPV-0

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGE

STEERING  
& CONTROLS

BODY

ACCESSORIES

SERVICE TOOLS  
/HARDWARE

CHEMICAL



## RIVA VALVE COMPRESSION TOOL

RIVA's overhead Valve Compression Tool allows easy removal of valve springs and keepers without removing the cylinder head. Includes compression adapter to pressurize cylinder keeping valves in place during removal of stock springs and keepers. Fits both Kawasaki 1.5L & Yamaha 1.8L 4-stroke engines.

Description	Part No.
RIVA Valve Compression Tool Fits Kawasaki 1.5L 4-stroke & Yamaha 1.8L	RY19040-VCT



## COMETIC KAWASAKI ULTRA 250/260/300 OEM REPLACEMENT HEAD GASKET

Description	Part No.
Cometic Kawasaki Ultra 250/260/300 (84mm)* <i>*Available up to 90mm</i>	C6222



## CP PISTON KITS FOR KAWASAKI ULTRA 250/260X

PISTON KIT	DESCRIPTION	RING #
M4049	83mm Standard Bore (1498cc) 2009 - 12 Kawasaki Ultra 260X 9.5:1 Turbo	CPN-3268
M1078	83mm Standard Bore (1498cc) 2009 - 12 Kawasaki Ultra 260X 10.5:1 Turbo	CPN-3386
Stock Bore: 3.267 (83mm)		

\*Sold as Kit (4 pistons per kit)

\*\*Piston sold complete with: rings, piston pin and locks



## JE PISTON KITS FOR KAWASAKI ULTRA 250/260X

PISTON KIT #	DISP.	BORE SIZE	OVER SIZE	COMP. RATIO	RING #	SLEEVE SURFACE
274213	1498cc	83mm	STD	9.5:1	JG1001-3268	Deglaze Only
290051	1498cc	83mm	STD	10.5:1	JG1001-3268	Deglaze Only

\*Sold as Kit (4 pistons per kit)

\*\*Piston sold complete with: rings, piston pin and locks



## WISECO PISTON KITS FOR KAWASAKI ULTRA 260LX/260X

Kawasaki Model	Years	Bore x Stroke (mm)	Piston Kit Number	Replacement Ring Set	Pins & Clips
ULTRA 260LX ULTRA 260X	2009-10	83.00	40048M08300	8300XX	Wrist Pin S624 Circlips CW28

8.4:1 Compression • ArmorGlide™ Skirt Coated

*Piston sold complete with: rings, piston pin and circlips.*

\*Sold individually



## CARRILLO CONNECTING RODS

Description	Part No.
Carrillo Connecting Rod Set ULTRA 250/260/300 & STX-15F (sold 4 rods per set)	KA-STX15->8M4449S-04

# ULTRA 250/260/300 • ENGINE

Model	NGK Spark Plug	NGK Platinum Plug	Denso Iridium Plug
250X	-----	PMR9B (4/box)	IU27 (4/box)
Ultra LX	CR9EK (10/box)	-----	IU27A (4/box)
260X	-----	PMR9B (4/box)	IU27 (4/box)
300X	-----	PMR9B (4/box)	IU27 (4/box)
300LX	-----	PMR9B (4/box)	IU27 (4/box)
STX12F	CR9EK (10/box)	-----	IU27A (4/box)
STX15F	CR9EK (10/box)	-----	IU27A (4/box)

KAWASAKI  
4 STROKE

MATK  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGE

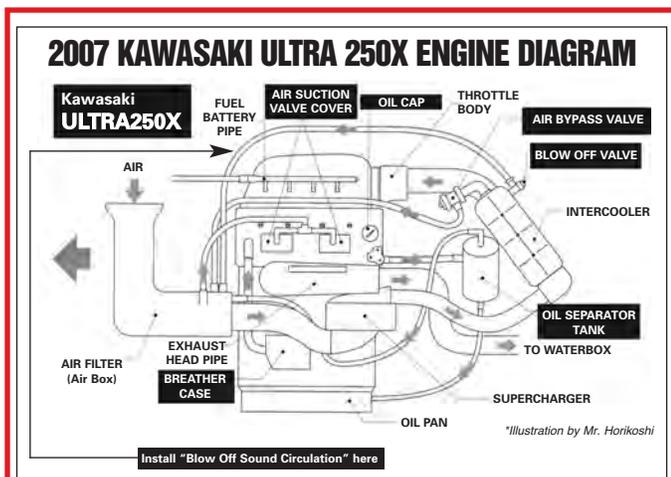
STEERING  
& CONTROLS

BODY

ACCESSORIES  
/SERVICE

TOOL'S  
/HARDWARE

CHEMICAL



## ULTRA 250/260/300 BLOW OFF SOUND CIRCULATOR

The blow off circulator is installed into the air hose located back of the seat. This small piece fits in the blow off return line hose. When you let off the throttle and the blow off valve opens the part will create a racing performance sound from the part.

Description	Part No.
Blow Off Sound Circulator Ultra 250/260/300 (All)	DC-BSS



## RIVA PRO-SERIES 4-STROKE CYLINDER HEAD STUD KITS

RIVA's ultra high strength cylinder head stud kit is essential equipment when upgrading internal components on your high boost Yamaha engine. Precision machined from premium grade 8740 alloy and heat treated to exacting tolerances, these studs dramatically increase reliability & ease of maintenance. Key Benefits Include:

- Superior material & heat treat process provide 10X better than OEM bolts.
- Studs provide improved alignment of cylinder head and gasket.
- More accurate & consistent torque loading.
- Helps prevent blown head gaskets and assures optimum engine sealing.

Description	Part No.
RIVA Pro-Series Cylinder Head Stud Kits	RK10085-HSK
Ultra 250/260/300, STX-15F	



Description	Part No.
NGK Spark Plug 10/box	CR9EK
NGK Laser Platinum Premium Plug 4/box	PMR9B
Nippon Denso Iridium Plug 4/box	IU27
Nippon Denso Iridium Plug 4/box	IU27A

\*Sold per box only



## DCR ULTRA 250/260 OIL CAP

The DCR Oil Cap features a clear window to allow you to see the internal parts of your engine. The oil cap comes in three color options and is anodized to prevent corrosion and wear.

Description	Part No.
DCR Red with Silver Ring Billet Oil Cap	DCR-OIL-01
DCR Green with Silver Ring Billet Oil Cap	DCR-OIL-02
DCR Black with Silver Ring Billet Oil Cap	DCR-OIL-03



## K&N PERFORMANCE GOLD OIL FILTER

- 1-inch nut easy-on/easy wrench-off
- Drilled safety wire holes for racing
- Heavy-duty construction
- Premium filter media provides outstanding filtration at high-flow rates.

Description	OEM#	Part No.
All Kawasaki Four Stroke PWC	16099-004	KN204

KAWASAKI  
4 STROKE  
INTAKE  
SYSTEMS  
ENGINE/  
GASKETS  
EXHAUST  
DRIVE LINE  
HANDLING  
ELECTRICAL  
WATERLINE  
/BILGE  
STEERING  
& CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS  
/HARDWARE  
CHEMICAL



## RIVA ULTRA PRO-SERIES STEERING SYSTEM

Introducing the ultimate race proven steering system for your Kawasaki Ultra. Fully adjustable design features a dual tube steering head for maximum strength & rigidity. Directly replaces bulky OEM mechanism with a stronger & lighter unit that provides variable height options. Delivers a precision feel and the confidence to push your craft to the limit with improved dependability and comfort. Bulletproof bar clamp will accept any 7/8" handlebar or 1-1/8" fat bars. Includes all necessary installation hardware and instructions.

- Key Features:**
- Superior strength & rigidity over OEM system.
  - Cutting edge race styling.
  - Variable height and handlebar tilt adjustment.
  - Accepts both 7/8" bars & 1-1/8" bulge bars.
  - Retains Off Throttle Steering system.
  - Race tested & proven on 2010 IJSBA/APBA tours.
  - All aluminum parts anodized to prevent corrosion.
  - Standard 8-3/4" tubes provide adjustment.
  - Optional 11-1/2" tube kit provides additional height choice.
  - Fits Kawasaki Ultra 250/260/300 models.

**NOTE:** Requires use of **Aftermarket Handlebars**.

Description	Part No.
RIVA Ultra 250/260/300 Steering System	RK20090-U-8.75
11.75" Tube Kit for RK20090	RK20090-RK-11.75



2012 IJSBA HOT PRODUCTS MARK HAHN MEMORIAL HAVASU 300 ENDURANCE RACE IN LAKE HAVASU CITY, ARIZONA AWARDS CEREMONY



## RIVA ULTRA PRO-SERIES STEERING LOWER

RIVA's Steering System Lower replaces the inferior stock steering plate mount that wear outs and fails over time. Constructed with billet aluminum and high quality stainless steel materials along with high quality sealed cartridge bearings ensuring smooth precise steering. Billet steering arm provides an infinite amount of steering ratio adjustment and incorporates a dampening effect enabling you to ride in any conditions with complete confidence and control. Supplied billet lower clamp provides additional tilt adjustment for increased comfort.

- Key Features:**
- Superior strength & rigidity over OEM system.
  - Cutting edge materials and design.
  - Variable tilt adjustment.
  - Retains Off Throttle Steering system.
  - Race tested & proven on 2011 IJSBA/APBA tours.
  - All aluminum parts anodized to prevent corrosion.
  - Requires **RIVA Ultra Pro-Series Steering System (part# RK20090-U-8.75)**
  - Fits Kawasaki Ultra 250/260/300 models.

Description	Part No.
RIVA Ultra Lower System Steering Assembly	RK20090-L



## RIVA ULTRA 250/260 STEERING COLUMN COVER

This lightweight cover fills the large void left when the stock steering system is removed. Designed for use with UMI Steering System and highly recommend when using RIVA Pro-Series Power Filter Kit (part# RK13096).

Description	Part No.
RIVA Ultra 250/260 Steering Column Cover	RK5-SCC-090

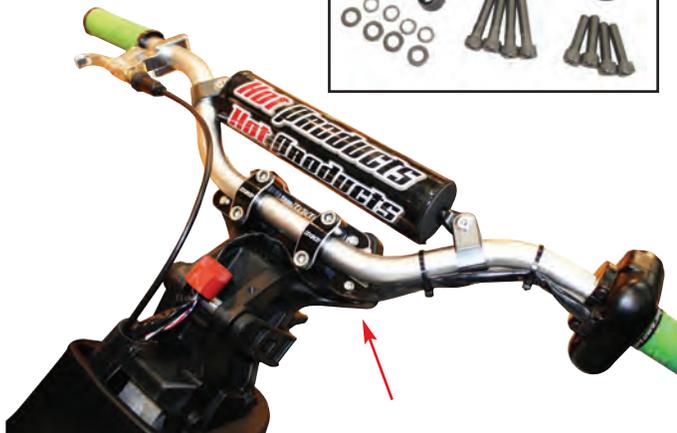


## SKAT-TRAK "HEAVY-ARMOR" ULTRA 250/260 STEERING CABLE

The Skat-Trak "Heavy-Armor" steering cable directly replaces the stock steering cable that is prone to failure on modified Kawasaki Ultra 250/260. At twice the thickness, this heavy-duty steering cable is more durable and reliable when compared to the stock steering cable. Comes complete with stainless steel ball joint cable ends for easy installation and adjustment.

Description	Part No.
Skat-Trak Heavy Armor Ultra 250/260 Steering Cable*	PRSTKAWU250A

\* This cable does not fit the Ultra 300.



**ULTRA 250/260/300 AFTERMARKET BILLET HANDLEBAR ADAPTER**

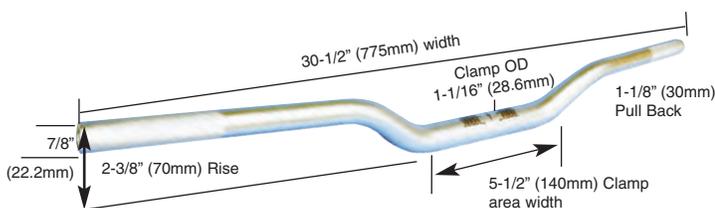
This billet aluminum handlebar adapter was developed to allow a rider the ability to install aftermarket handlebars on the Kawasaki Ultra 250, 260 and 300. This simple conversion will greatly improve steering and control.

<b>Description</b>	<b>Part No.</b>
Ultra 250/260/300 Billet Handlebar Adapter	DC-HA-KU



**UMI RACE HANDLE BARS**

<b>Description</b>	<b>Part No.</b>
UMI Racing Handlebar Silver	X2-01200POL



**HOT PRODUCTS RUNABOUT FAT BARS**

<b>Description</b>	<b>Part No.</b>
Hot Products Fat Runabout Bars	HJFT-01



*Rear View of Backing Plate*

**RIVA RACING ULTRA 250/260/300 PRO-SERIES SPONSON KIT**

Delivers a significant improvement over the stock sponsons with superior blade design and backing plate. Includes a bulletproof mounting system that features three anchor points with billet inserts in sponson fins. Backing plate is precision machined from high strength billet aluminum that is anodized to prevent corrosion. Sponson depth is adjustable to control the amount of influence they have on the craft. Easy installation requires no drilling.

<b>Description</b>	<b>Part No.</b>
RIVA Ultra 250/260/300 Pro-Series Sponson Kit	RK26090



**R&D ULTRA 250/260/300 SPONSON KIT**

The R&D Ultra 250/260/300 Sponson Kit will deliver higher top speed performance and a much smoother and more predictable ride

over O.E.M. sponsons. Low speed and high-speed turns are a breeze with new found control. The secret to R&D's new generation concept is in the backing plate design with an aftermarket first, low pressure, low friction concept that breaks up and relieves speed robbing drag within the sponson's backing plate channel. The new R&D design staggers the sponson blades fins water trapping area to pick up less water in the front and more in the back. The stagger/step-up concept greatly reduces chine walk in high speed corners, while allowing more rear end grip. There is also a higher end recreational/race setting with enough grip for the best of pro's! More top speed due to less drag, less chine walking, racer preferred rear end grip, and unmatched straight line stability.

<b>Description</b>	<b>Part No.</b>
R&D Ultra 250/260/300 Sponson Kit	121-25001

KAWASAKI	4 STROKE
MAKITA	SYSTEMS
ENGINE/	GASKETS
EXHAUST	
DRIVE LINE	HANDLING
ELECTRICAL	
WATERLINE	/BLIGE
STEERING	& CONTROLS
BODY	
ACCESSORIES	SERVICE TOOLS
	/HARDWARE
CHEMICAL	

KAWASAKI  
4 STROKE

INTAKE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGE

STEERING  
& CONTROLS

BODY

ACCESSORIES

SERVICE TOOLS  
/HARDWARE

CHEMICAL



Speed-O Shim

## R&D ULTRA 250/260/300 AQUAVEIN SCOOP GRATE

The new R&D Kawasaki Ultra Aquavein Intake Grate Kit has been designed and developed with all new performance concepts in mind to deliver the ultimate handling and speed performance in recreational, offshore, and closed course race conditions. The new R&D Ultra Aquavein has been extensively offshore, race track, and 1 and 2 up recreational tested to guarantee reduced cavitation and maximum pump hook up in any condition. The R&D Ultra Aquavein will deliver quicker acceleration, higher top speed performance and a much smoother and more predictable ride over the O.E.M. intake grate in rough water conditions. Low speed and high-speed turns are a breeze with new found control.

Description	Part No.
R&D Ultra 250/260 Aquavein Scoop Grate	111-25000
R&D Ultra 300X Aquavein Intake Grate*	111-30000

\* Speed-O Shim is included for the use of OEM (stock) Ride plate with 111-30000, which allow the ECU to adjust the throttle plate to a true full throttle position, allowing the Ultra 300x to gain 3-4 mph top speed.



## R&D ULTRA 250/260/300 PUMP SHOE SEAL KIT

The R&D Pump Shoe Seal kit for the Ultra 250 is now available. The three piece Seal Kit stuffs up the unwanted cavities in the pump shoe and the oem intake grate that aid in producing cavitation. This kit allows

you to seal up the area between the intake grate and pump shoe, which will reduce cavitation and increase pump efficiency and performance.

Description	Part No.
R&D Ultra 250/260 Pump Shoe Seal Kit	161-25000
R&D Ultra 300X Seal Kit for OEM Intake Grate	161-30000
R&D Ultra 300X Seal Kit for R&D Aquavein Grate	161-30001



## RIVA RACING ULTRA 250/260 TOP-LOADER INTAKE GRATE

RIVA's top-loader intake grate features a unique tapered wing design that eliminates prop spin and cavitation while

delivering enhanced acceleration and top-speed. Deep side rails improve stability and handling. Durable black race coating protects from corrosion.

- Reduces cavitation
- Improves Hook-up
- No loss in top speed
- IJSBA legal

Description	Part No.
RIVA Ultra 250/260 Top-Loader Intake Grate	RK22090



## RIVA ULTRA 300X TUNABLE TOP-LOADER INTAKE GRATE

The RIVA fully tunable Top-Loader

Intake Grate for the Ultra 300X features an adjustable foil & removable rear inlet chip. Developed through a joint effort with TBM Racing, this grate provides riders with the ability to tune for specific riding style or water conditions. The center foil has three positions or can be removed entirely. In flat water conditions it can be raised to the highest

position increasing speed .5mph. Or be removed completely producing the same speed as the stock grate. The deeper center bars and removable rear inlet chip dramatically improve handling and hook up. The rear inlet chip can be removed or used with or without the center foil. Whether you're a closed course racer, offshore racer, or just a weekend warrior, the RIVA Tunable Top-Loader Intake Grate will enhance the hook up and handling of your Ultra 300X.

### Key Features:

- Adjustable design allows rider to tune grate.
- Dramatic increase in hook up & handling.
- Improved top speed in rough water conditions.
- No top speed loss on smooth water.
- Race bred design provides excellent handling.
- Significantly reduces cavitation.

Description	Part No.
RIVA Ultra 300X Tunable Top-Loader Intake Grate	RK22100

## KAWASAKI ULTRA 300X R&D STAGE 1 PARTS LIST

Stock Ultra 300 Avg. Speed 66-67 MPH @ 7,450 RPM  
R&D Stage 1 Kit Avg. Speed 73.5-74.5 MPH @ 7,950-8000 RPM

**\* PARTS ARE SOLD INDIVIDUALLY, NOT IN KIT FORM.**

Description	Part No.
R&D Ultra 300 Ride Plate Kit	121-30000
R&D Ultra 300 Aquavein Grate Kit	111-30000
R&D Ultra 300 Pump Shoe Seal Kit	161-30001
R&D Ultra 300 Anti-Cavitation Cone	161-25010
R&D Ultra 300 Sponson Kit	121-25001
R&D Ultra 300 Speed-Up Module	801-15300
R&D Ultra 300 Cool Air Filter Kit	215-25000
R&D Ultra 300 Waste Gate Block Off	611-26001
R&D Ultra 300 Performance Exhaust Plate	331-35300
R&D Ultra 300 Powershot Fuel Controller	801-25000
R&D Ultra 300 Deep Fuel Pickup	801-25100

## KAWASAKI ULTRA 300X R&D PERFORMER PARTS LIST

Stock Ultra 300 Avg. Speed 66-67 MPH @ 7,450 RPM  
R&D Performer Kit Avg. Speed 72 MPH @ 7,800 RPM

**\* PARTS ARE SOLD INDIVIDUALLY, NOT IN KIT FORM.**

Description	Part No.
R&D Ultra 300 Ride Plate Kit	121-30000
R&D Ultra 300 Aquavein Grate Kit	111-30000
R&D Ultra 300 Pump Shoe Seal Kit	161-30001
R&D Ultra 300 Anti-Cavitation Cone	161-25010
R&D Ultra 300 Speed-Up Module	801-15300
R&D Ultra 300 Cool Air Filter Kit	215-25000
R&D Ultra 300 Performance Exhaust Plate	331-35300
R&D Ultra 300 Deep Fuel Pickup	801-25100



**RIVA RACING  
ULTRA 250/260 PERFORMANCE  
RIDE PLATE**

The RIVA Racing Ultra 250/260 Performance Ride Plate design allows craft to plane faster increasing acceleration & top-speed as well as improving handling in all types of water conditions.

Description	Part No.
RIVA Racing Ultra 250/260 Performance Ride Plate	<b>RK21090</b>



**KAWASAKI ULTRA 300X  
RIVA STAGE 1 PARTS LIST**

**PERFORMANCE DATA**

Stock 66 MPH @7,500 RPM

Stage1 73 MPH @ 7,900 RPM

Note: All testing performed with 1/3 tank of fuel.

Stage 1 Performance Parts are sold individually.

Description	Quantity	Part No.
Performance Power Filter Kit	1	<b>RK13100</b>
Speed Control Override Module	1	<b>RK11100</b>
Pro-Series Water Box	1	<b>RK16091-1</b>
Top-Loader Intake Grate	1	<b>RK22100</b>
Performance Ride Plate	1	<b>RK21100</b>
Pro-Series Sponson Kit	1	<b>RK26090</b>



**RIVA ULTRA 300X  
PERFORMANCE RIDE PLATE**

RIVA's new Ultra 300 ride plate was designed to limit bow rise allowing your craft to drive through chop and corner like it's on rails. The plate is entirely redesigned from our Ultra 250/260 plate with a strong emphasis on rough water hook up and handling. Includes billet block-off for use when the speedometer sender is removed.

**Key Features:**

- Improves Hook up & Handling
- Provides Quicker Planing
- Integrated Reverse Gate Brackets
- Powder Coated to Prevent Corrosion
- Reduces Porpoising
- IJSBA Race Legal
- Includes speedo sender block-off

Description	Part No.
RIVA Ultra 300X Performance Ride Plate	<b>RK21100</b>



**R&D ULTRA 250/260/300  
HIGH PERFORMANCE RIDE PLATE**

The R&D Kawasaki Ultra Ride Plate has been fashioned after our dominant and championship winning GP-1200R and Kawasaki 15-F ride plate designs with a few new tricks added. The Ultra ride plate is re-angled over stock along with the addition of the new R&D stepper concept to add top speed improvements.

- 2 plus MPH top speed improvement
- Unique industry first multi-step concept
- Improved straight line stability
- Significantly improved cornering
- Reduced chine walking on high speed sweepers
- Drives through chop with superior stability
- Retains reverse gate mounting and operation.

Description	Part No.
R&D Ultra 250/260 Cast Aluminum Ride Plate	<b>121-25000</b>
R&D Ultra 300 High Performance Ride Plate	<b>121-30000</b>

KAWASAKI 4 STROKE	INATKE SYSTEMS	ENGINE/ GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BLIGE	STEERING & CONTROLS	BODY	ACCESSORIES SERVICE TOOLS /HARDWARE	CHEMICAL
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# ULTRA 250/260/300 • IMPELLERS



## KX CONCORD

PITCH	PART NUMBER
10/16	KX-CD-1016
15/23	KX-CD-1523
16/24	KX-CD-1624

## KR CONCORD

PITCH	PART NUMBER
14/21	KR-CD-1421
15/22	KR-CD-1522

### RECOMMENDED SOLAS IMPELLER

Model	Year	Engine cc	Pump Dia.	Series	Stock Engine	Limited Engine	Modified Engine
Ultra 300X/300LX	11-12	1498	160mm	CONCORD	KR-CD-14/21	KR-CD-14/21 or KR-CD-15/22	KR-CD-15/22
Ultra 260X/260LX	09-10	1498	160mm	CONCORD	KX-CD-15/23	KX-CD-15/23 or KX-CD-16/24	KX-CD-16/24
Ultra 250X	07-08	1498	155mm	CONCORD	KX-CD-15/23 or KX-CD-16/21	KX-CD-15/23 or KX-CD-16/24	KX-CD-16/24
Ultra LX	07-08	1498	155mm	CONCORD	KX-CD-10/16	KX-CD-10/16	-----
STX 15-F	04-12	1498	148mm	CONCORD	KG-CD-14/21	KG-CD-14/21	KG-CD-15/21
STX 12-F	04-08	1199	148mm	CONCORD	KG-CD-13/19	KG-CD-13/19	KG-CD-14/20



## ULTRA 250/260 LX/X 155-75-20 SWIRL

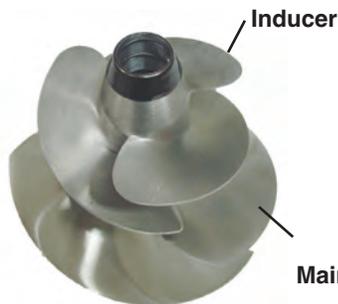
PITCH	PART NUMBER
13/18	SK557520SW1318
13/19	SK557520SW1319
14/19	SK557520SW1419
14/20	SK557520SW1420

## ULTRA 300 LX/X 160-83-20 SWIRL

PITCH	PART NUMBER
16/21	SK608320SW1621
16/22	SK608320SW1622
16/23	SK608320SW1623

### RECOMMENDED SKAT-TRAK IMPELLER

Model	Year	Pump Dia.	Stock Engine	Limited Engine	Modified Engine
Ultra 300X	11-12	160mm	SK608320SW1621	SK608320SW1622	SK608320SW1623
Ultra 300LX	11-12	160mm	SK608320SW1621	SK608320SW1622	SK608320SW1623
Ultra 260X	09-10	155mm	SK557520SW1419	Call for application	Call for application
Ultra 260LX	09-10	155mm	SK557520SW1419	Call for application	Call for application
Ultra 250X	07-08	155mm	SK557520SW1318	SK557520SW1318 or SK557520SW1319	SK557520SW1319 or SK557520SW1420
Ultra LX	07-08	155mm	SK557520SW1016	Call for application	Call for application
STX 12-F	04-08	148mm	*SK1100SW1319 or SK1100SW1319R**	SK1100SW1420	Call for application
STX 15-F	04-12	148mm	*SK1100SW1319 or SK1100SW1319R**	Call for application	Call for application



## SKAT-TRAK TWIN IMPELLERS ULTRA 250/260/300

### ULTRA 250X/260X

Engine Mods	Pitch	Part No.	Engine Mods	Pitch	Part No.
Main Drive Stock	12/18	SK557520SWM1218	Inducer Stock	12/17	SK440ID1217
Main Drive Limited	12/20	SK557520SWM1220	Inducer Limited	12/17	SK440ID1217
Main Drive Supermod	13/23	SK557520SWM1323	Inducer Supermod	14/18	SK440ID1418

### ULTRA 300X

Engine Mods	Pitch	Part No.	Engine Mods	Pitch	Part No.
Main Drive Stock	16/21	SK608320SWM1621	Inducer Stock	13/18	SK440ID1318
Main Drive Limited	16/22	SK608320SWM1622	Inducer Limited	14/19	SK440ID1419
Main Drive Supermod	16/23	SK608320SWM1623	Inducer Supermod	15/20	SK440ID1520



## R&D ULTRA 250/260/300 1 DEGREE NOZZLE WEDGE KIT

The R&D 1 Degree Reduction Nozzle Wedge Kit for the Ultra 250/260/300 will add quicker acceleration and top speed performance as well as allow the bow to ride slightly higher which will significantly reduce annoying bow spray promoting a much

dryer ride. Extensive testing has led our development team to wedge the reduction nozzle up 1 full degree which will inexpensively give better handling everywhere and provide a boost of up to 1 mph in top speed performance. The billet aluminum CNC machined 1 degree reduction nozzle wedge kit was specifically designed to work without compromising or removing the O.E.M. reverse gate. The R&D Pump Wedge Kit comes complete with all the necessary hardware and instructions for easy installation.

Description	Part No.
R&D Ultra 250/260 One Degree Nozzle Wedge Kit	141-25001
R&D Ultra 300 One Degree Nozzle Wedge Kit	141-30000



## R&D ULTRA 250/260/300 DRIVESHAFT SHIM KIT

The R&D driveshaft shims install into the prop snout and removes the unwanted play or float the driveshaft has in the prop/pump assembly. Properly shimming the driveshaft will keep the driveshaft couplers fully engaged eliminating premature rubber dampener wear and failure.

Description	Part No.
R&D Ultra 250/260/300 Driveshaft Shim Kit	161-00810

## KAWASAKI ULTRA 250/260X RIVA STAGE 1 PARTS LIST

### ULTRA 250X (2008)

#### PERFORMANCE DATA

Stock 65 MPH @ 7,700 RPM

Stage 1 70 MPH @ 7,850 RPM

### ULTRA 260X (2009-10)

#### PERFORMANCE DATA

Stock 67 MPH @ 7,860 RPM

Stage 1 71 MPH @ 7,950 RPM

Note: All testing performed with 1/3 tank of fuel.

Stage 1 Performance Parts are sold individually.

Description	Quantity	Part No.
Performance Power Filter Kit	1	RS13090
Pro-Series Water Box	1	RK16091-1
Free Flow Exhaust Kit	1	RK16090-0
Top-Loader Intake Grate	1	RK22090
Performance Ride Plate	1	RK21090
Pro-Series Sponson Kit	1	RK26090



## R&D ULTRA 250/260/300 ANTI-CAVITATION PUMP CONE KIT

The R&D Anti-Cavitation Pump Cone Kit was developed to reduce overall internal pump cavitation within the Ultra offset reduction/compression nozzle design. The O.E.M. Reduction/Compression nozzle is offset 5 degrees, while the pump cone/bearing cap

remains straight which causes uneven pressures within the pump and reduction nozzle. The R&D Anti-Cavitation Pump Cone is offset 5 degrees and reshaped to match the O.E.M. reduction nozzle offset promoting even pressures, which will substantially reduce cavitation, increase pump hook up, boost acceleration, and increase top speed performance.

Description	Part No.
R&D Ultra 250/260/300 Anti-Cavitation Pump Cone Kit	161-25010



## WET WOLF ADJUST-A-THRUST

Kawasaki STXR, STX12F, Ultra 250/260 and Ultra 300 pumps. Comes with shorter impeller shaft and bearing already installed into the body. Bearing changes in the tail cone are made easier due to the fact that the bearing is located at the bottom of the unit, instead of in a deep pocket like the stock tailcone. Since we were redesigning the units to upgrade to the new model of AAT, we took the liberty of putting in a larger bearing, and redid the shaft to accommodate it. Expect much more longevity from your tailcone bearing!

Description	Part No.
1100 ZXI/STXR/STX12F/STX15F (04-06)	KAW-1
Ultra 250 (07-08), Ultra 260 (09-10), Ultra 300 (11-12), STX15F (07-12)	KAW-4

\*This Kit does not contain Bearings and Impeller Shaft

KAWASAKI 4 STROKE	NAI/KE SYSTEMS	ENGINE/ GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES	SERVICE TOOLS /HARDWARE	CHEMICAL
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## JETTRIM ULTRA 250/260/300 CUSTOM ORDERED SEAT COVERS

Kawasaki	Part No.
Jettrim Ultra 250/260/300 Spike Designed Seat Cover	KU250X101
Jettrim Ultra 250/260/300 Retro Designed Seat Cover	KU250X104

*The upholstery outline for your custom designed seat cover is available in the Hot Products Price List.*

## HOT PRODUCTS RECOMMENDED KAWASAKI ULTRA 250/260/300 JETTRIM SEAT COVERS



**KU250X101-A**  
**Top:** Medium Slip Black  
**Front Side:** Smooth Grain White  
**Tail Front & Spike Rear:** Smooth Grain Worx Green



**KU250X101-B**  
**Top:** Medium Slip Black  
**Front Side:** Smooth Grain White  
**Tail Front & Spike Rear:** Smooth Grain Red



**KU250X104-A**  
**Top & Rear Top:** Medium Slip Black  
**Front Collar:** Smooth Grain Worx Green  
**Center Band and Rear:** Smooth Worx Green  
**Side:** Carbon Black Large Grain  
**Stitch:** Green Thread on Top



**KU250X104-B**  
**Front & Rear Top:** Non Slip Black Suede  
**Front Collar:** Smooth Grain Red  
**Center Band & Rear:** Smooth Grain Red  
**Side:** Carbon Black Large  
**Stitch:** Red Thread on Top



## JETTRIBE PREMIUM PWC COVERS

Description	Part No.
Ultra 250X/LX (07-10), Ultra 260X/LX (09-10), Ultra 260LX , "Cruiser Seat", 300X/LX (11-12)	KWS05018



## HYDRO-TURF PREMIER CUSTOM ORDER SEAT COVER



AZSEW62

## HYDRO-TURF SEAT COVER ULTRA 250/260/300X

HT Moto Custom PWC seat covers for Kawasaki Ultra provide the best in looks and performance. A 3/8" layer of foam is added to increase comfort and durability. Check out the 3-D stitch detail. You choose the material and color for each panel on the seat. You can even choose the thread color. Each seat cover is custom made to order. (Shown in Black Gripper, Silver Carbon Fiber and Black Carbon Fiber with White stitching.)

Description	Part No.
HT Moto Ultra 250/260/300X	AZSEW62



SEW62

## HYDRO-TURF SEAT COVER ULTRA 250/260/300X

Description	Part No.
Hydro-Turf Ultra 250/260/300X	SEW62



Side Mat with Lifter



Ultra 250X/LX • Black/Black

## AP DESIGNS SURE GRIP MAT SET & SIDE LIFTER

The OEM mat does not offer the durability and traction for racing. AP Designs has developed their mat kits to be a perfect fit and replacement to the OEM mats featuring superior traction and durability.

Description	Part No.
AP Designs Ultra 250X/LX Side Mat w/Lifter	KAU250SM-BLK/BLK
AP Designs Ultra 250X/LX Mat Kit	KAU250MT-BLK/BLK



Inside View

COOL AIR INDUCTION



Inside View



Top View

## MACC RACING ULTRA 250/260/300 RACING CARBON FIBER REAR SEAT

Macc Racing has developed a Carbon Racing seat for the Ultra 250. The rear seat is about 15lbs lighter than stock and features a cool air induction intake while keeping water out of the engine compartment.

Description	Part No.
Macc Racing Ultra 250/260/300 Carbon Racing Rear Seat	MR-ULTRASEAT

*\*Note: The Macc Racing Carbon Racing Rear seat is intended for a performance advantage and is not intended to be used as a seat for a passenger.*



## RIVA RACING ULTRA 250/260/300 BLOCK-OFF KIT

Lightweight carbon coated epoxy plates cover openings left in hood when mirrors are removed for competition. Easy installation requires no special tools. Reverse Lever Block-off plate sold separately. Fits all Ultra 250/260/300 models.

Description	Part No.
Ultra 250/260/300 Mirror Blockoff Kit	RK5-U250X-MB
Ultra 250/260/300 Reverse Lever Blockoff Kit	RK5-U250X-RLB



## VERSIPLUG DRAIN SYSTEM

Versiplug is a self-bailing drain plug system produced using aircraft grade aluminum, water resistant plastic and stainless steel. Installation is simple, quick and easy. The kit will completely drain four PWC without you having to do anything.

Description	Color	Part No.
Versiplug Drain System	Silver	PD1300
Versiplug Drain System	Black	PD1301



## BILLET QUICK DRAIN

Mounts to the transom of your Kawasaki Personal Watercraft with billet aluminum mounting plate.

Description	Part No.
Billet Drain System	57-4065



## KAWASAKI 4-STROKE FLUSH KIT

Easy way to flush your new Kawasaki jet ski. Just screw on the fitting and leave it. Attach a quick snap fitting to a garden hose and you are ready to flush.

Description	Part No.
Flush Kit	A2628



## FLUSH KIT ADAPTER

Flush Kit Adapter for adapting overseas special size hose to connect to the flush kit. This adapter is a direct to fit to the rear drain line on Sea Doo and Kawasaki 4 stroke watercraft.

Description	Part No.
Flush Kit Adapter	SC-2905

## SNAP CONNECT & FLOW CONTROL

This flush kit includes adapter SC-2905 listed to the left and also includes a quick disconnect that features a on/off water valve to make flushing the watercraft a simple and easy process.

Description	Part No.
Snap Connect and Flow Control	SC-2900

KAWASAKI 4 STROKE	MATKIE SYSTEMS	ENGINE/ GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES SERVICE TOOLS /HARDWARE	CHEMICAL
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**RRP BILLET ADJUSTABLE HANDLE POLE**

**RRP CAST ADJUSTABLE HANDLE POLE**

Description	Part No.
Kaw & Yam 96+ Billet Pole-Black	<b>HP-YAM/KAW-BLT-BLACK</b>
Kaw & Yam 96+ Billet Pole-Red	<b>HP-YAM/KAW-BLT-RED</b>
Kaw & Yam 96+ Billet Pole-Silver	<b>HP-YAM/KAW-BLT-SILVER</b>
RICKTER Billet Pole-Black	<b>HP-RICKTER-BLACK</b>
RICKTER Billet Pole-Red	<b>HP-RICKTER-RED</b>
RICKTER Billet Pole-Silver	<b>HP-RICKTER-SILVER</b>

Description	Part No.
Kaw & Yam 96+ Octane Cast Pole	<b>HP-YAM/KAW-CAST</b>
RICKTER Cast Pole (28" tube)	<b>HP-RICKTER-CAST</b>
Hydrospace Cast Pole	<b>HP-HY-SP</b>

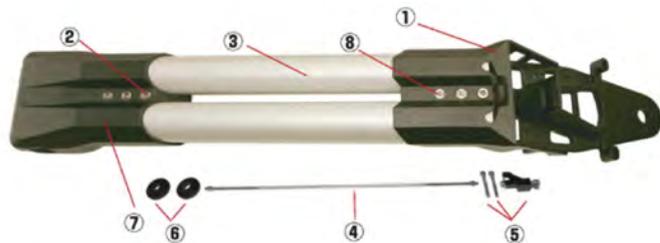
**Shortest** 37" (94cm)      **Longest** 39" (99cm)

The RRP Handlepole has been designed with several safety features, the image below indicates the proper tube position in the image. The "O" shows the window closed indicating the tube is in the correct position. The "X" indicates when the tube is not in the proper position. Once the position is confirmed to be correct the six Safety Rod bolts need to be torqued to 15lb/ft (2.25kg/m), if you over torque the RRP Pole Tubes will be damaged.

- Extra Strong design using 6061 T6 aluminum tube.
- Quickly adjustable from +1 inches to -1 inches.
- A Stock Pole is 38" from pivot bolt to turn plate mounting bolt.
- Billet Poles are supplied with both Yamaha & Kawasaki pole bushings.
- Optional pole bracket enables installation of 2-1/5" air intakes (engine breathes from the top of the pole.)
- Requires RRP or SuperJet Style Chin Pad
- Ships in 24 x 6 x 10 inch box.

**Warning: To prevent any damage to the handle pole during installation, you must follow the supplied installation instructions.**

*\*Note: You may have to do a minimal amount of fitting to create the proper hood clearance during the final fitting process.*



**REPLACEMENT PARTS FOR RRP ADJUSTABLE HANDLE POLE**

Description	Part No.
1. RRP Cast Pole Replacement Upper Part for Part # HP-YAM/KAW-CAST	<b>UPPER PART</b>
2. 10mm Safety Rod Stud (Set of 3)	<b>STUD-10</b>
3. Replacement Tube 23.5" (YAM/KAW)	<b>AL-TUBE-23.5</b>
3. Replacement Tube 26" (Hydrospace S4)	<b>AL-TUBE-26</b>
3. Replacement Tube 28" (Rickter)	<b>AL-TUBE-28</b>
4. Threaded Rod for 23.5" Tube (YAM/KAW)	<b>TR-23.5</b>
4. Threaded Rod for 26" Tube (Hydrospace S4)	<b>TR-26</b>
4. Threaded Rod for 28" Tube (Rickter)	<b>TR-28</b>
5. Cable Steering Hardware	<b>HRDP-1</b>
6. Yamaha Cast Pole Bushings (sold in pairs)	<b>BU-YAM</b>
6. Yamaha pre 1995 & FX-1 SuperJet Cast Pole Bushings (sold in pairs)	<b>BU-YAM-92-95</b>
6. Kawasaki Cast Pole Bushings (sold in pairs)	<b>BU-KAW</b>
6. Hydrospace Bushings (sold in pairs)	<b>BU-HYDRO</b>
6. Yamaha Billet Pole Bushings (sold in pairs)	<b>BU-BILLET-YAM</b>
6. Kawasaki Billet Pole Bushings (sold in pairs)	<b>BU-BILLET-KAW</b>
7. RRP Cast Pole Replacement Bottom Part for Part # HP-YAM/KAW-CAST	<b>BOTTOM PART</b>
8. 10mm Safety Rod Stud (Set of 3)	<b>STUD-10</b>



Yamaha

Kawasaki

**RRP HANDLEPOLE BUSHINGS**

Description	Part No.
RRP Yam Cast Handlepole Bushing (sold in pairs)	BU-YAM
RRP Kaw Cast Handlepole Bushing (sold in pairs)	BU-KAW

Description	Part No.
RRP Yam Billet Handlepole Bushing (sold in pairs)	BU-BILLET-YAM
RRP Kaw Billet Handlepole Bushing (sold in pairs)	BU-BILLET-KAW



**RRP KAWASAKI BILLET HANDLEPOLE BRACKET**

Kawasaki 800 SX-R	Part No.
2 Hole-Black	BR-KAW-2H-BLACK
Includes RRP Highflow Breather Air Tube	



**RRP YAMAHA BILLET HANDLEPOLE BRACKET**

Yamaha SJ 96+	Part No.
2 Holes Low-Black	BR-YAM-L-2H
Includes RRP Highflow Breather Air Tube	



**RRP LIGHTWEIGHT ALUMINUM PIVOT BOLT**

RRP developed this lightweight aluminum bolt to fit the RRP handlepole brackets. Also fits OEM Superjet and the "Bob" handlepole brackets. Anodized silver to prevent corrosion.

Description	Part No.
RRP Lightweight Aluminum Pivot Bolt	AL-PIV-BLT-YAM



Installs on the pivot bolt.

**RRP HANDLEPOLE SPACER**

For the rider that rides with a very tight pivot bolt. This spacer is designed to prevent failure of the RRP pole bottom piece.

If you use a RRP Spacer you can't use a handlepole spring.

Description	Part No.
RRP Cast Handlepole Spacer	AL-BP-SPC
RRP Billet Handlepole Spacer (Red)	AL-BP-SPC-B



Installed pole stiffener

**RRP POLE SPRING STIFFENER & AIR TUBE**

This RRP developed part has been designed to make your handlepole spring stiffer creating a lighter feeling handlepole. Easy to install. This bracket will fit both the one hole and two hole RRP handlepole brackets.

\*If you use a 2 hole air inlet bracket BR-YAM-L-2H or a BR-KAW-2H and want to run the OEM handlepole spring you must use this part. This part only fits the RRP Handlepole Bracket.

Description	Part No.
RRP Yamaha Pole Spring Stiffener	SP-BL-YAM
RRP Kawasaki Pole Spring Stiffener	SP-BL-KAW
High Flow Breather Air Tube 2.5" OD x 24" length*	FL-HO-24
*Flex hose only. Sold individually.	



**HOT PRODUCTS IS A PROUD DISTRIBUTOR OF RRP PRODUCTS**



FREESTYLE FREERIDE	INATKE SYSTEMS	ENGINE/GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES SERVICE TOOLS /HARDWARE	CHEMICAL
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FREESTYLE  
FREERIDE

INTAKE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGE

STEERING  
& CONTROLS

BODY

ACCESSORIES

SERVICE TOOLS  
/HARDWARE

CHEMICAL



RRP Chin Pad Support & Steering Stop sold separately.



A.



RRP Turn plates integrate a grease fitting to maintain the optimum lubrication.



Straight Bars

22.2mm Clamping Area

## RRP AST STEERING SYSTEM FOR 28.6MM FAT BARS



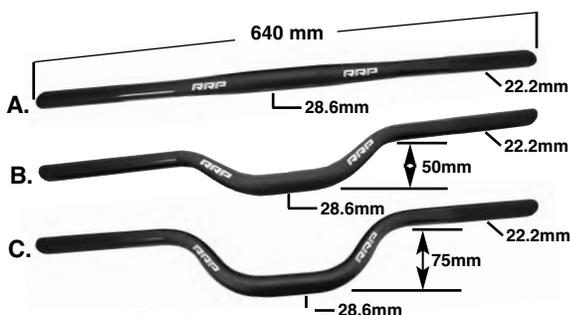
B.

This RRP AST (Advanced Steering Technology) steering system has been designed for all types of riding from Freestyle to racing and from freeride to the recreational rider. Each rider will find benefits in this new concept.

The concept behind this steering system has many features:

- To bring the rider closer to the pivot point
- Less movement to turn the bars (quicker steering)
- Lowers the center of gravity
- Multiple bar position allowing the rider to perfect his riding style
- Fits all stand up watercraft due to the moveable steering cable arm
- Slotted mounting for the steering cable ball for maximum adjustment
- Utilizes the fat bar 28.6 mm technology for better clamping surface
- The system uses bearings and is o-ring sealed
- Grease Zerk fitting to grease the bearing system for easy maintenance
- 100% Compatible with RRP carbon pole pads (both models)

Description	Part No.
A. RRP AST Steering System - Black	STR-SYS-UNIV-F
B. AST Protective Pad Red	AST-PAD-RED
B. AST Protective Pad Green	AST-PAD-GREEN



D.

## RRP PERFORMANCE "FAT" HANDLEBARS

RRP has developed these "Fat" bars (28.6mm clamping surface) to be extremely strong for freestyle, freeriding and racing.

Description	Part No.
A. RRP Straight Fat (28.6mm) Bars	ST-B-F
B. RRP 50mm Fat (28.6mm) Bars*	50-B-F
C. RRP 75mm Fat (28.6mm) Bars*	75-B-F

\* RRP 50 & 75 Fat Bars allow the rider to create a higher hand position, as shown in image D, than RRP straight Fat Bars.

## RRP PRECISION TURN PLATE

The RRP Turn Plate is one inch shorter than the OEM turn plate moving the rider up in the tray. Fits Kawasaki, Yamaha, Polaris and Hydro-Space. The steering arm can be mounted either side, allowing this turn plate to fit any ski. The steering arm is slotted to allow for extremely precise steering ratio adjustments. RRP has also integrated a grease fitting on the turn plate that allows the rider to fully grease your steering system in only few seconds. The turn plate will accept V bars and straight bars and fits most after market steering systems. RRP turnplate plates are black.

Description	Part No.
RRP -1" Precision Turn Plate	TRN-PLT-UNIV
RRP Straight Bars (22.2mm clamping surface)	ST-B



## RRP UNIVERSAL STEERING SYSTEM

Designed to match and compliment the RRP Turn Plate, this steering system improves the steering feel, eliminates steering slop and is much

stronger than the OEM steering systems on standup watercraft. This kit will fit most aftermarket turn plates. Handlebar clamps are standard 22.2mm and are black. *\*Part is manufactured exclusively for Hot Products.*

Description	Part No.
RRP Universal Steering System	STR-SYST-UNIV
RRP Bearing and O-ring Kit	SS-B
RRP O-Ring Repair Kit	SS-O



## RRP SHORT BASE CLAMP

This clamp was developed to move the handlebar mounting location 1" forward.

*\*Not for use with straight bars.*

Description	Part No.
RRP Shortened Base Clamp for RRP 50 & 75 bars (28.6mm)	SHT-BASE-CLIP-BLK
RRP Shortened Base Clamp for RRP 50 & 75 bars (28.6mm)	SHT-BASE-CLIP-RED



## HANDLEBAR EXTENDERS

Extend the width our your handlebars up to 4 inches (2" per side) with these simple and easy to install handlebar extenders.

Description	Part No.
RRP Handlebar Extenders	BAR-END-EX



## RRP CHIN PAD SUPPORT & STEERING STOP

This steering stopper will also prevent the pole pad from crushing or getting ripped out from the handlepole.

<b>Yamaha OEM Chin Pad</b>	<b>Part No.</b>
RRP Chin Pad Support and Steering Stop - Black	<b>ST-STOP-BL</b>

<b>RRP Chin Pad (10mm Shorter Unit for RRP Chin Pad)</b>	<b>Part No.</b>
RRP Chin Pad Support and Steering Stop - Black	<b>ST-STOP-BL-10</b>
RRP Chin Pad Support and Steering Stop - Red	<b>ST-STOP-RD-10</b>



## PRO WATERCRAFT CHIN PADS

<b>Description</b>	<b>Part No.</b>
Slasher Pad for the RRP Handle Pole	<b>PW-01-100</b>
Chin Pad for the Hydrospace OEM Handle Pole	<b>PW-02-100</b>

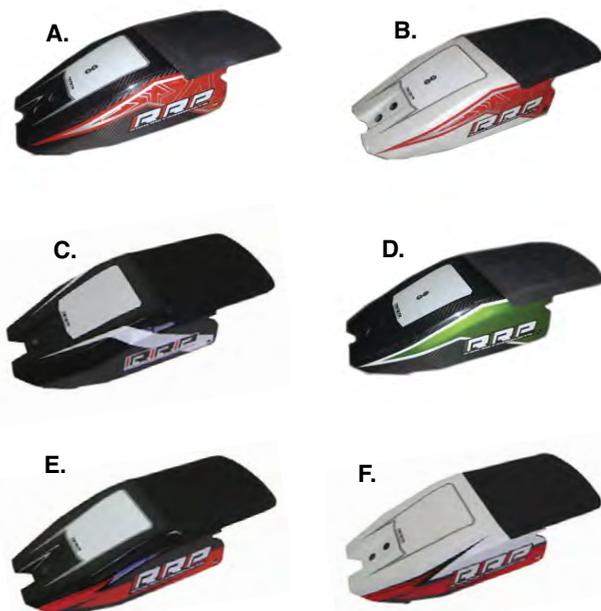


# BLOWISION

## CARBON CHIN PAD

Lightweight construction with unbreakable carbon construction. Fits 96+ Superjet, RRP and UMI 800SXR handlepole conversion system. Chin Pad cover black top/black side only.

<b>Description</b>	<b>Part No.</b>
Blowision Black/Black Carbon Chin Pad	<b>04-01-202</b>



## RRP CARBON CHIN PAD

The most innovative and extremely strong chin pad design for the RRP Handlepoles. The only chin pad that really matches the lines of the RRP Handlepole.

<b>Description</b>	<b>Part No.</b>
<b>A. RRP Rickter Carbon Chin Pad</b> Carbon Fiber with Red Rickter Stripe	<b>RRP-RICKTER-RED</b>
<b>B. RRP Rickter Carbon Chin Pad</b> White with Red Rickter Stripe	<b>RRP-RICKTER-WHITE</b>
<b>C. RRP Carbon Chin Pad</b> Carbon Fiber with White Stripe	<b>RRP-CHIN-PAD-WHITE/RED</b>
<b>D. RRP Carbon Chin Pad</b> Carbon Fiber with Green Stripe	<b>RRP-CHIN-PAD-GREEN</b>
<b>E. RRP XFS/XFR Carbon Chin Pad</b> Carbon Fiber with Red XFS/XFR Stripe	<b>RRP-PAD-XFS-RED</b>
<b>F. RRP XFS/XFR Carbon Chin Pad</b> White with Red XFS/XFR Stripe	<b>RRP-PAD-XFS-WHITE</b>



ROK FLORJANCIC  
TEAM RRP FREESTYLE RIDER

FREESTYLE FREERIDE	INATKE SYSTEMS	ENGINE/ GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BLIGE	STEERING & CONTROLS	BODY	ACCESSORIES SERVICE TOOLS /HARDWARE	CHEMICAL
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**RRP ADJUSTABLE BINDING SYSTEM**

This is a revolutionary product, the RRP AB (Adjustable Binding) System was developed from the same system that is used on the RICKTER FS-1.

This system allows you install the RRP Adjustable Binding System on any Super-Jet with a limited amount of modifications to fit the custom binding system box to your watercraft. This system is a must for any freestyle or free rider.

Description	Part No.
RRP Adjustable Binding System	<b>RRP-AB-SYST</b>
RRP Binding Only (Sold Pair)	<b>AB-BINDING</b>



**RRP FOOT HOLD INSERT**

Description	Part No.
RRP Foot Hold Insert	<b>RICKTER-FT-HLD</b>



**RRP SCUPPER VALVE**

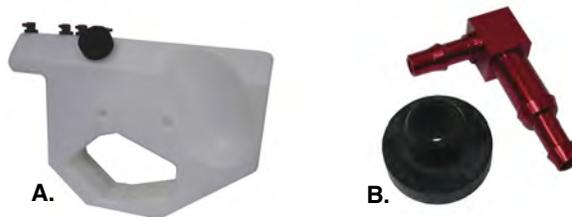
Description	Part No.
RRP Scupper Valve	<b>RRP-SCU-V</b>



**RRP YAMAHA QUICK STEERING ADAPTER**

This quick steering adapter fits the stock superjet nozzle. It will give you the option to play with the quickness of the steering from really aggressive to really smooth. It will also give you a lot more turning ratio for free style. RRP quick steering adapters are black

Description	Part No.
RRP Yamaha Quick Steering Adapter	<b>QU-ST-YAM-BL</b>



**RRP REAR FUEL TANK**

Description	Part No.
<b>A.</b> RRP Rear Fuel Tank Only	<b>RRP-RFL-TK</b>
<b>A.</b> RRP Rear Fuel Tank for Rickter XFS	<b>RRP-RFL-TK-XFS</b>
<b>A.</b> RRP Rear Fuel Tank for Rickter XFR, FS-2, FR-2 and SuperJet	<b>RRP-RFL-TK-XFR</b>
<b>B.</b> RRP Replacement Fuel Line Fitting with Grommet (Fitting Anodized Red)	<b>FU-LI-FIT</b>



**RRP FUEL TANK/BATTERY/WATERBOX HOOK**

Description	Part No.
RRP Hook (Anodized Red)	<b>AL-HOOK-A</b>



**RRP NINJA PUMP FLOW GUARD**

This innovative Pump Flow Guard from RRP/Ninja helps to increase performance and to gain more height for aerial maneuvers. It allows for full functionality of the steering nozzle and trim system.

- Prevents the water flow from the outside of the pump entering between the restriction and steering nozzles, breaking the flow water inside the pump.
- Prevents back spray when turning the steering nozzle, and loss of internal pump pressure.
- Stops the pumps spraying into the exhaust, which causes engine bog on acceleration during turns and maneuvers.

Description	Part No.
RRP Ninja Pump Flow Guard (Carbon)	<b>RRP-NJ-FLGD/CB*</b>
RRP Ninja Pump Flow Guard (Fiberglass)	<b>RRP-NJ-FLGD/FB*</b>
<i>* The RRP/Ninja Pump Flow Guard is currently designed for top pull type trim systems. RRP is developing other Flow Guards other trim systems. Call for information.</i>	

**DASA BILLET ALUMINUM SINGLE YAMAHA INTAKE MANIFOLD KIT**



Includes Moto Tassanari V-Force 2 Reed. Made of billet aluminum, this single intake manifold will fit on Y701/760 cylinder.

<b>Yamaha</b>	<b>Part No.</b>
DASA Billet Single Manifold Kit	IN-7003

**DASA BILLET ALUMINUM DUAL YAMAHA INTAKE MANIFOLD KIT**



Designed by the billet masters at DASA, this 6061 billet Dual intake manifold incorporates

a "tipped or directional" reed design without the need of a spacer plate. What this results in is a boost in overall hp without a significant loss in low speed performance. Hardware included to fit 62T cases. Supplied with VForce 2 Reed Kit.

<b>Yamaha</b>	<b>Part No.</b>
DASA Billet Dual Intake Manifold Kit	IN-7001



**SOLAS STAINLESS STEEL YAMAHA 12-VANE STATOR SECTION**

Get HUGE gains in Hook Up on bottom end, and overall efficiency in rough conditions, and jet wash! This pump is a must have for Freestyle! The Brand New Solas Yamaha 144mm 12 Vane Pump Stator is now available and is an incredible value for the HUGE performance gain resulting from bolting this pump on!

The Pump is the stator section only, is stainless steel, with large diameter bearing carrier, and a 12 vane standard position design. It replaces the stock Yamaha 144mm 6 vane aluminum stator section. No need to buy an expensive extended shaft with this pump conversion.

You will need a large hub design impeller such as the **Impros Hooker impeller**, the **Solas Concord YQ-CD**, or **Skat-Trak C+75 Swirl impeller** with this pump. *See page 167 for more information.*

<b>Yamaha</b>	<b>Part No.</b>
Stainless Steel Yamaha 12-Vane Stator	YQS-SV-144
Impros Pump Spacer	IMYQ-NS
<i>(required when Solas pump stator is used with stock nozzle)</i>	
Impros Freestyle Tail Cone	IMYQ-FC
WSM Yamaha Pump Bearing & Seal Kit	003-630



**DASA COMPLETE STOCK STROKE ENGINE WITH STOCK CASES (850CC • 89MM BORE)**

- Complete Cylinder Kit
- Stock Crankcase
- Hot Rods Crankshaft
- All Hardware & Seals
- Cylinder Porting
- Stroker Case Plate
- True & Weld Crankshaft
- OEM Crank Seals

<b>Description</b>	<b>Part No.</b>
Stock Stroke Engine with Stock Cases	RICKTER-85



**DASA COMPLETE 8MM ENGINE WITH STOCK CASES (950CC • 89MM BORE)**

- Complete Cylinder Kit
- Stock Crankcase
- Billet Crankshaft
- All Hardware & Seals
- Cylinder Porting
- Stroker Case Plate
- OEM Crank Seals
- Assembly

<b>Description</b>	<b>Part No.</b>
8mm Engine with Stock Cases	RICKTER-95



**DASA COMPLETE 16MM ENGINE WITH BILLET CASES (1100CC • 89MM BORE)**

- Billet Power Valve Cylinder Kit
- Billet Crankcase
- All Hardware & Seals
- Cylinder Porting
- Billet Stroker Crankshaft
- Assembly

<b>Description</b>	<b>Part No.</b>
16mm Engine with Billet Cases	RICKTER-11

FREESTYLE FREERIDE	INTAKE SYSTEMS	ENGINE/ GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES SERVICE TOOLS /HARDWARE	CHEMICAL
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# KAWASAKI 1100/1200 SXR CONVERSION



## ADA RACING 1100 SXR DRIVE COUPLER CONVERSION



Billet aluminum drive coupler for the Kawasaki 900/1100 that uses the 750/800 damper. This coupler is for putting a 900/1100 engine into a

750/800 hull. The threads are 24-1.5mm and fit the Kawasaki 1100 crankshaft. Updated design no longer uses the stainless spacer.

This coupler makes light work of coupling the 1100 motor to the SXR drive shaft. Kawasaki style coupler for crank side only of the 1100 motor.

Description	Part No.
ADA Racing 1100 SXR Drive Coupler Conversion	31-700390
ADA Racing K800 SXR 20mm Thread Drive Coupler for Crank & Drive Shaft	KA800DCS

## FUEL PICKUP FOR 1100 SXR CONVERSION & ZXI/STX-R



Provides maximum fuel flow to triple carbs applications. Used by the top Professional Racers for conversion Race Ski applications.

Description	Part No.
1100 SXR/ZXI/STX-R Fuel Pickup	53-9957

## KAWASAKI 1100 BASE GASKETS



Solid aluminum core with high density fiber facing.

Kawasaki	Thickness	Part No.
1100 Base Gasket	.025"	7615.025
1100 Base Gasket	.030"	7615.030
1100 Base Gasket	.040"	7615.040
1100 Base Gasket	.050"	7615.050
1100 Base Gasket	.060"	7615.060

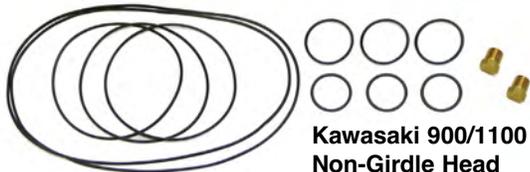


## HULLS/HOOD/RIDE PLATE

See page 248 for information and details.

Description	Part No.
BulleTT Racing Gen 1 Hull	HULL-KV1
BulleTT Racing Gen 2 Hull	HULL-KV2
BulleTT Racing 800 SXR Carbon Fiber Ride Plate	RP-KAW
BulleTT Racing Lightweight SXR Hood	HOOD-KB

STAND-UP PWC  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL



Kawasaki 900/1100 Non-Girdle Head



Kawasaki 900/1100 Girdle Head & Girdle Kit

## ADA RACING KAWASAKI 900/1100 BILLET HEAD

Kawasaki 900	Part No.
ADA Racing 900/1100 Non-Girdle Billet Head Shell	KA900/1100
ADA Racing 900/1100 Girdle Billet Head Shell	KA1100M
ADA Racing Girdle Kit for KA1100M	KA1100G
ADA Racing K900 26cc Dome (185 lbs. - 105 Octane)	KA9026
ADA Racing K900 28cc Dome (170 lbs. - 95 Octane)	KA9028
ADA Racing K900 30cc Dome (155 lbs. - 91 Octane)	KA9030
ADA Racing K900 O-Ring Kit	ORKITK900

\*\*\*All ADA Racing Domes are sold individually

Kawasaki 1100	Part No.
ADA Racing 900/1100 Non-Girdle Billet Head Shell	KA900/1100
ADA Racing 900/1100 Girdle Billet Head Shell	KA1100M
ADA Racing Girdle Kit for KA1100M	KA1100G
ADA Racing K1100 22cc Dome (215 lbs. - 112 Octane)	KD1222
ADA Racing K1100 24cc Dome (200 lbs. - 108 Octane)	KD1224
ADA Racing K1100 26cc Dome (185 lbs. - 105 Octane)	KD1226
ADA Racing K1100 28cc Dome (170 lbs. - 95 Octane)	KD1228
ADA Racing K1100 30cc Dome (155 lbs. - 91 Octane)	KD1230
ADA Racing K1100 32cc Dome (145 lbs. - 89 Octane)	KD1232
ADA Racing K1100 O-Ring Kit	ORKITK1100

\*\*\*All ADA Racing Domes are sold individually

# KOMMANDER KAWASAKI 1100/1200 SXR



## KOMMANDER 1100/1200 TRIPLE INTAKE MANIFOLD

Fits all Kawasaki 1100 Triple motors. Designed to fit all 44mm thru 49mm Mikuni carbs. Supplied with all required hardware and gaskets.

Description	Part No.
Kommander 1100/1200 Intake Manifold	KOM-107



## KOMMANDER KAW TRIPLE 1100/1200 HEAD

Billet Aluminum Head & Domes, Fits all 1100 triple Kawasaki motors. Uses all stock hardware.

Kommander Industries billet aluminum domes are made for racing, utilizing custom dome architecture for maximum fuel burn and horsepower gains, these domes are ready for the races. Domes are sold individually.

Description	Part No.
Kommander 1100 Billet Head Black (O-Ring Kit and Two 90° Head Water Fittings Included)	KOM-110-ZXI
Kommander 1100 Billet Head O-Ring Kit	KOM-110-O-RING
Kommander Dome 82mm 26cc	KOM-822600-ZXI
Kommander Dome 82mm 28cc	KOM-822800-ZXI
Kommander Dome 82mm 30cc	KOM-823000-ZXI
Kommander Dome 82mm 32cc	KOM-823200-ZXI
Kommander Dome 85mm 24cc	KOM-852400-ZXI
Kommander Dome 85mm 26cc	KOM-852600-ZXI
Kommander Dome 85mm 28cc	KOM-852800-ZXI
Kommander Dome 85mm 30cc	KOM-853000-ZXI



## KOMMANDER WATER MANIFOLD

The Kommander Water Manifold has 5 outlet/inlets for 3/8" lines and 2 outlets for 1/2" line.

Description	Part No.
Kommander Water Manifold	KOM-109-WM



## KOMMANDER 1100/1200 SXR EXHAUST CONVERSION KIT

Comes with all required hoses and clamps

Description	Part No.
Kawasaki 1100/1200 Exhaust Conversion Kit	KOM-130-ZXI



## KOMMANDER 1100/1200 SXR TRIPLE HIGH FLOW EXHAUST GASKET

Description	Part No.
Kawasaki 1100/1200 Triple High Flow Exhaust Gasket (Sold Individually)	KOM-13-ZXI



## KOMMANDER REAR SPONSONS

Constructed of 6061-billet aluminum and use stainless steel inserts they come complete with all necessary hardware. Will Fit all Kawasaki 800SXR and Yamaha Superjets.

*\* SuperJet requires drilling new holes to mount sponsons.*

Description	Part No.
Kommander Rear Sponson Kit	KOM-200-SP
Kawasaki 800 SXR, Yamaha SuperJet	



STEVE WEBSTER • KOMMANDER INDUSTRIES  
KAWASAKI SX-R 1100

STAND-UP PWC	NATKE SYSTEMS	ENGINE/GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES SERVICE TOOLS /HARDWARE	CHEMICAL
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## FACTORY ZERO



Photo courtesy of Mike Jones • AZHIAZIAM

**World Class Free Rider Taylor Curtis said:**

*"The Factory Zero Jet Launcher is so nice to use! It rolls across soft sand with ease, making it possible to launch by yourself. They are very well made, everything fits perfectly when assembling. It comes apart just as easy for traveling or storing. To top it off they look killer. I have had many kinds of totes over a 20 year riding career and Factory Zero tops them all! Thank you for making such an awesome product."*

### FACTORY ZERO JET LAUNCHER COMPACT 2-WHEEL TOTE FOR STAND-UP PWC



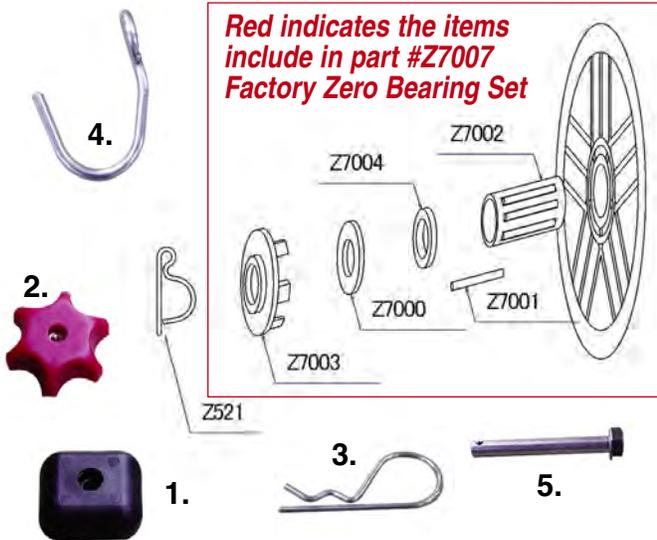
**Description**

Factory Zero Compact 2-Wheel Tote Stand-Up

**Part No.**

J-130S

*Red indicates the items include in part #Z7007  
Factory Zero Bearing Set*



### JET LAUNCHER (J-130S) REPAIR PARTS

Factory Zero offers the highest quality Jet Launchers for your Stand-up PWC and has repair/replacement parts available to allow you to utilize your Jet Launcher for many years to come.

Description	Part No.
Composite Fiber Washer	Z7000
Needle Only (10 needles)	Z7001
Bearing Cage Only	Z7002
Nylon Cap	Z7003
Nylon Washer	Z7004
"D" Ring	Z521
Bearing Complete Set	Z7007
1. Plastic Washer for Jet Launcher J-130S	Z6037
2. Plastic Knob for Jet Launcher J-130S	0S0015
3. "R" Pin For Legs of Jet Launcher J-130S	P13-130
4. Stainless Hook for Jet Launcher J-130S	JL100
5. Pin MS-55 for Legs of Jet Launcher J-130S	P17-16

# Hot Products

## HOT PRODUCTS TORNADO SERIES FILTERS

by Tau Ceti



The all new Hot Products Tornado Series Filters by Tau Ceti is the newest performance filter available for the pwc performance industry. The new Tornado Series Filters feature a velocity cone with proprietary designed air channels to increase the air flow into the induction system. These filters are made using the same top quality materials as the Tau Ceti Pro Series Filters. The velocity cone is clear/smoke color and the filter top features an aluminum filter top ring.

The universal rubber mount will fit any personal watercraft with a stock carburetor using the appropriate adapter (for adapters see pages 120 & 121). No re-jetting is necessary on stock boats. Each filter includes a stainless steel filter clamp for installation.

All filters will function with the OEM Carb Chokes if applicable. Choke removal is not required.

Description	Filter Top Color	Part No.
Hot Products Round Filter 2 1/2"	Silver	53-4274-SIL
Hot Products Round Filter 2 1/2"	Black	53-4274-BLK
Hot Products Round Filter 2 1/2"	Blue	53-4274-BLU
Hot Products Round Filter 2 1/2"	Green	53-4274-GRN
Hot Products Round Filter 2 1/2"	Red	53-4274-RED
Tau Ceti Water Repellent Pre-Filter	Black	PFTCP-25
Outerwears Water Repellent Pre-Filter Clear Top	Black	20-2761-01/HOTP



Description	Filter Top Color	Part No.
Hot Products Round Filter 2"	Silver	53-4273-SIL
Hot Products Round Filter 2"	Black	53-4273-BLK
Hot Products Round Filter 2"	Red	53-4273-RED
Outerwears Water Repellent Pre-Filter Clear Top	Black	20-2760-01/HOTP

Description	Filter Top Color	Part No.
Hot Products Round Filter 1.5"	Silver	53-4271-SIL
Hot Products Round Filter 1.5"	Black	53-4271-BLK
Outerwears Water Repellent Pre-Filter Clear Top	Black	20-2762-01/HOTP



## OUTERWEARS WATER REPELLENT PRE-FILTERS

These new Outerwears Pre-Filters are specially designed for Hot Products Tornado Series Filters and feature a clear top, with black water repellent material.

Description	Part No.
Pre-Filter for 53-4274 2-1/2" Tall Filters	20-2761-01/HOTP
Pre-Filter for 53-4273 2" Tall Filters	20-2760-01/HOTP
Pre-Filter for 53-4271 1-1/2" Tall Filters	20-2762-01/HOTP

STAND-UP  
PWC

INATKE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BLIGE

STEERING  
& CONTROLS

BODY

ACCESSORIES

SERVICE TOOLS  
/HARDWARE

CHEMICAL



# MIKUNI CARBURETORS HI-PERFORMANCE SUPER BN

Extended Throttle Shaft Without Choke Shaft



**38MM**  
Part # **BN38-34-8113**



**44MM**  
Part # **BN44-40-8067**



**44MM**  
Part # **BN44-40-8052**



**46MM**  
Part # **BN46-42-8002**



## OEM REPLACEMENT SUPER BN

Regular Throttle Shaft With Choke Shaft

\*\*\* Direct replacement of OEM Carburetors at a fraction of OEM cost. \*\*\*

MAG-SIDE



**40MM – I-SERIES**

MAG-SIDE (FRONT)

Part # **BN40I-38-26**

PTO-SIDE (REAR)

Part # **BN40I-38-27**

Sea Doo 720 GTI, GTS, GS, GSI '98, 800 GTX, GSX '96-'00, 800 SPX 97-99, 800 XP '95-'99, 951 GSX LTD '97

PTO-SIDE



**38MM**

Part # **BN34-28-8010**

Yamaha

Wave Runner 500 88-89

Wave Jammer 500 88-89



**40MM – I-SERIES**

Part # **BN40I-38-24**

Sea Doo 720,  
GTI, GTS, GS, GSI, '97



**44MM**

Part # **BN44-40-43**

Yamaha Superjet,  
Wave Blaster, Tigershark

## DUAL CARBURETOR SET

**46MM – I-SERIES**

Part # **BN46I-42-B4**

Sea Doo 951,  
GSX, GTX, XP-LTD, '98-01, XP'00, RX, LRV

Note: Sold as a fully assembled dual carburetor set.





# GENUINE CARBURETOR REBUILD KITS

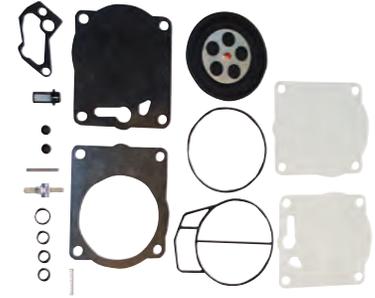
Kits include all necessary gaskets, diaphragms, and hardware required to disassemble and rebuild Mikuni carburetor.



Kit Includes Mikuni Arm Springs (1 each - 65gm & 115gm)

Mikuni	Diaphragm Cover	Part No.
<b>Super BN</b>	Square	<b>MK-BN38/44 SPR</b>
<b>38mm, 44mm, 46mm and I Series 38/40</b>		

\*Sea Doo Pre 97, Kawasaki 750 98-02, 800 SX-R 03-08 and **ALL** Mikuni Performance Super BN Square Body 38mm, 44mm and 46mm carbs



Kit Includes Mikuni Arm Spring (1 spring - 95gm)

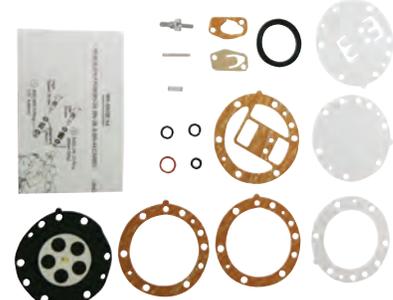
Mikuni	Diaphragm Cover	Part No.
<b>I Series 46mm</b>	Square	<b>MK-BN461</b>
*Sea Doo 951 (98 and newer)		



Kit Includes Mikuni Arm Spring (1 spring - 95gm)

Mikuni	Diaphragm Cover	Part No.
<b>I Series 44mm/46mm</b>	Square	<b>MK-BN44I-YAM</b>

\*Yamaha GP800 98-99, GP 800R 00-05, XL 800 01, XLT 800 02-04, GP 1200R 00-02, XL1200 Limited 99-00 and XLT 1200 01-05 **Yamaha Engine Type 60T, 66E, 66V, 67X, 68N**



Kit Includes Mikuni Arm Spring (1 spring - 95gm)

Mikuni	Diaphragm Cover	Part No.
<b>BN 38mm, 44mm</b>	Round	<b>MK-BN38/44</b>

\*BN carbs are "Old Style/Round Body" with round diaphragm covers

## MIKUNI SUPER BN SPECIFICATIONS

Carb Type	Mikuni Part No.	Low Speed Jet	High Speed Jet	Needle Valve	Arm Spring (Grams)	Choke Carb Primer	Color
SBN38	BN38-34-8113	65	107.5	2.0	115 grams	Primer	Silver
SBN44	BN44-40-8052	100	125	2.3	65 grams	Primer	Black
SBN44	BN44-40-8067	120	140	2.5	80 grams	Primer	Silver
SBN46	BN46-42-8002	120	150	2.5	80 grams	Primer	Silver
OEM Yamaha SBN44	BN44-40-43	120	115	1.5	115 grams	Choke	Black
OEM Yamaha SBN38	BN34-28-8010	77.5	80	1.5	65 grams	Choke	Black
I series 44	BN40I-38-24	70	167.5	1.5	95 grams	Choke	Black
I series 40 (Mag-Side Front)	BN40I-38-26	67.5	140	1.5	95 grams	Choke	Black
I series 40 (PTO-Side Rear)	BN40I-38-27	67.5	142.5	1.5	95 grams	Choke	Black
Sea Doo Dual I Series 46	BN46I-42-B4	77.5	162.5	2.0	95 grams	Choke	Black

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES SERVICE TOOLS  
/HARDWARE  
CHEMICAL



# SUPER BN38 / BN44 / BN46

## MIKUNI GENUINE PARTS

Diagram No.	Description	Mikuni Part No.
1.	Gasket Pump (2)	BN38/547
1a.	O-Ring*	.616-72001
2.	Diaphragm, Pump (Clear)	BN34/97
3.	Check Valve (2) (Clear)	BN34/124
4.	Grommet, Check Valve (2)	BN34/125
5.	Diaphragm, Damper (large hole)**	BN34/100
5a.	Diaphragm, Damper (small hole)*	BN34/129
6.	Gasket, Damper**	BN34/101
6a.	O-Ring*	.616-92007
7.	Filter	BN44/146
8.	O-Ring, Hi Speed	B30/305
9.	O-Ring, Low Speed	MD12/16
10.	O-Ring, Needle Valve	not available
11.	Gasket Valve Body	BN34/123
12.	Check Valve (Clear)	BN34/107
13.	<b>Spring, Arm (115 grams)</b>	<b>see pg 98</b>
13a.	<b>Spring, Arm (65 grams)</b>	<b>see pg 98</b>
13b.	<b>Spring, Arm (95 grams)</b>	<b>see pg 98</b>
14.	Pin, Arm	VM30/97
15.	Arm (Stainless)	BN38/534
16.	Diaphragm Assembly	BN44/145

### MK-BN38/44SPR REBUILD KIT

18.	Cover Pump	BN34/95B
19a.	Body Assembly Pump (Must use w/O-Ring 1A)	BN34/128
20.	Stop Screw, Idle**	BN44/109
20a.	Stop Screw, Idle*	BN34/82
21.	Washer (Aluminum - Same as #26)	BN38/39
22.	Spring, Idle**	BN38/341
22a.	Spring, Idle (Same as #25)*	BN38/344
24.	Adjuster, Hi Speed (with Cross Bar)	BN44/167
25.	Spring, Hi Speed (Same as #22a)	BN38/344
26.	Washer, Hi Speed (Aluminum - Same as #21)	BN38/39
27.	Washer, Low Speed (Aluminum)	BN38/172
28.	Spring, Low Speed	BN38/343
29a.	Adjuster, Low Speed (with Cross Bar) 38mm	BN38/477
29b.	Adjuster, Low Speed (with Cross Bar) 44mm	BN38/166
34.	Plate, N.V. Retainer	BN34/117-GG
34.	Screw with washer	CW2-0307-G
35.	Low Jet, 30-160 in increments of 5 (See page 98)	.N100.606-SIZE
36.	Main Jet, 30-260 in increments of 5 (See page 98)	N102.221-SIZE
37.	Screw	BV15/121-05-GG
38.	Plate, Valve	BN34/108-GG
39.	Valve Body Assembly	BN44/165
40.	Screw (2 pcs)	C5-0414-G
41.	Screw	C6-0308-G
42.	Cover (Stainless)	BN44/147

\*Super BN38 and Late Super BN44  
\*\*Early Super BN44



## SUPER BN CARBURETOR TUNING MANUAL

For the watercraft tuner working with Super BN series carburetors.

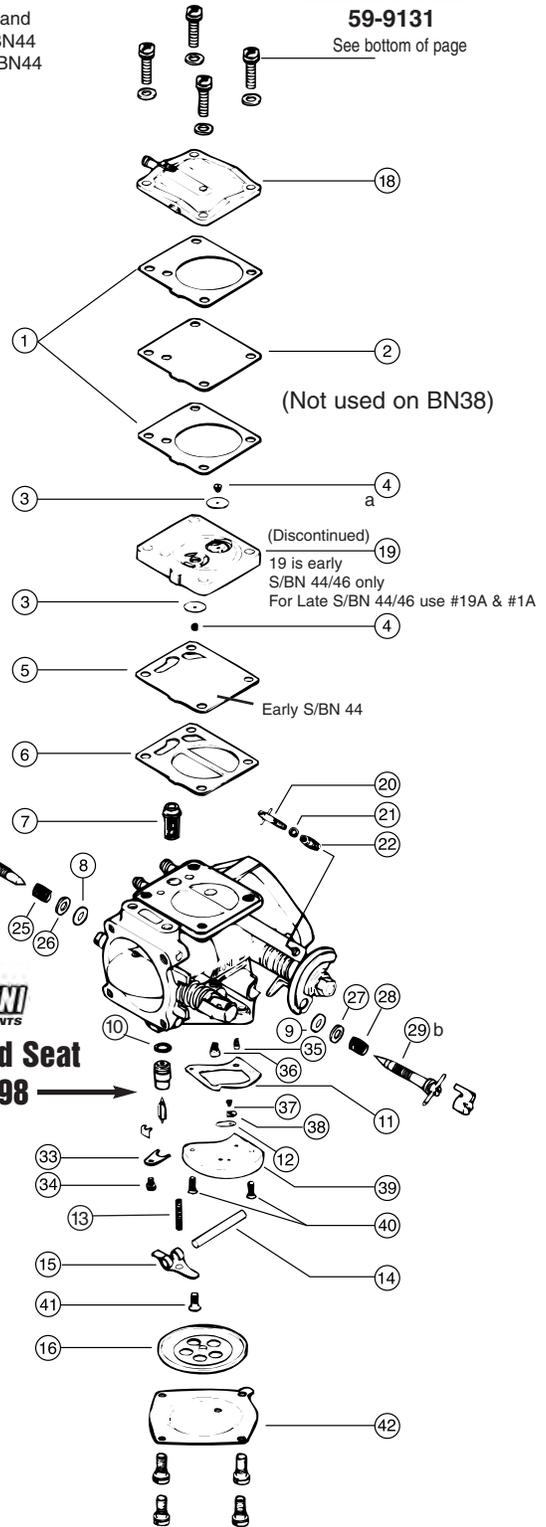
Description	Part No.
Mikuni Tuning Manual	MK-BN/004

\* Super BN38 and Late Super BN44  
\*\* Early Super BN44

### Socket Bolt Kit

59-9131

See bottom of page



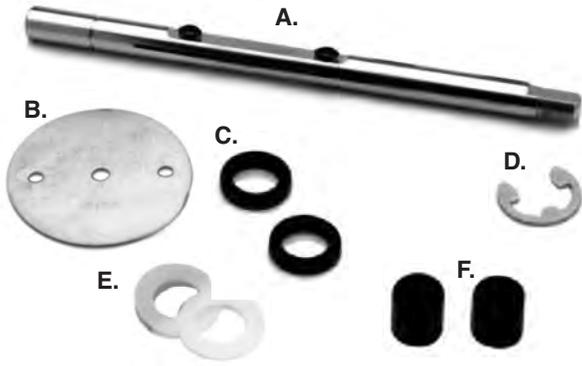
### Needle and Seat See Page 98



## SBN CARBURETOR DIAPHRAGM COVER SOCKET BOLT KIT

Replace the stock phillips bolts on carbs with stainless steel socket head bolts.

Description	Part No.
Mikuni Super BN Bolt Kit	59-9131



## MIKUNI THROTTLE VALVE KIT

Description	Part No.
Throttle valve (#150) kit for 38mm	MK-BN/038 TV
Throttle valve (#120) kit for 44mm	MK-BN/044 TV
Throttle valve (#120) kit for 46mm	MK-BN/046 TV

## THROTTLE SHAFTS AND VALVES (ALL PARTS SOLD INDIVIDUALLY - PER PIECE)

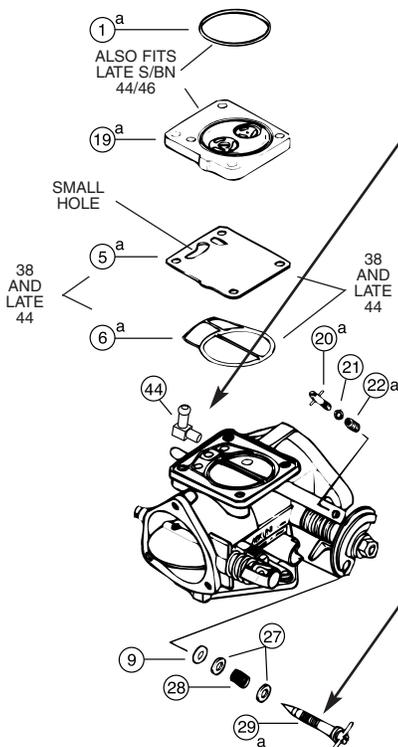
Description	Part No.
A. Super BN 44mm Throttle Shaft (Extended)	703-89004
B. Super BN 44mm #120 Throttle Valve	BN44/06-120
B. Super BN 46mm #120 Throttle Valve	818-46009-120
C. Super BN 38/44/46mm Throttle Shaft Seal	N167.126
D. Super BN 38/44/46mm Throttle Shaft Clip (Heavy Duty)	MK-BN/005
E. Super BN 38/44/46mm Throttle Shaft Washer (Nylon)	N114.077
F. Super BN 38/44/46mm Throttle Shaft Bushing	BN38/569

*All parts sold individually - per piece*



### Super BN 38

Also used in late style Super BN 44



### 90° FUEL INLET FITTING (PRESS IN)

Description	Diag. #	Part No.
90° Fuel Inlet Fitting	44	DF44-2/70

*All parts sold individually - per piece*



### ADJUSTER WITH CROSS BAR

Description	Diag. #	Part No.
High Speed 38/44	24	BN44/167
Low Speed 38	29a	BN38/477
Low Speed 44	29b	BN38/166

*(Does not fit Yam OEM 44mm carb)*



### DIAPHRAGM AND FILTER

Description	Diag. #	Part No.
G. Diaphragm Assembly	16.	BN44/145
H. Super BN Filter	7.	BN44/146

*All parts sold individually - per piece*



### ULTIMATE CARB GASKETS

Thick "Green" gaskets.

Mikuni	Part No.
38mm	9230
40mm "I" Series	9235
44mm	9240
46mm	9250
48mm	9252
50mm	9257
50mm SD951 "I" Series	6740

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL



**PARTS STAMPING** This marking on a jetting part is your quality assurance guarantee it is a genuine Mikuni component. **DO NOT ACCEPT SUBSTITUTES.**



**CARBURETOR JETS**  
Mikuni Low Jets  
P/# (N100.606-size)

Size:	30	95
	32.5	97.5
	35	100
	37.5	102.5
	40	105
	42.5	107.5
	45	110
	47.5	112.5
	50	115
	52.5	117.5
	55	120
	57.5	122.5
	60	125
	62.5	127.5
	65	130
	67.5	132.5
	70	135
	72.5	137.5
	75	140
	77.5	142.5
	80	145
	82.5	147.5
	85	150
	87.5	155
	90	160
	92.5	

**CARBURETOR JETS**  
Mikuni Main Jets  
P/# (N102.221-size)

Size:	30	95	160
	32.5	97.5	162.5
	35	100	165
	37.5	102.5	167.5
	40	105	170
	42.5	107.5	172.5
	45	110	175
	47.5	112.5	177.5
	50	115	180
	52.5	117.5	182.5
	55	120	185
	57.5	122.5	187.5
	60	125	190
	62.5	127.5	195
	65	130	200
	67.5	132.5	205
	70	135	210
	72.5	137.5	215
	75	140	220
	77.5	142.5	230
	80	145	240
	82.5	147.5	
	85	150	
	87.5	152.5	
	90	155	
	92.5	157.5	

**Description**

**Part No.**

Dealer Standard Compartment Kit*	53-2120
Performance Compartment Kit	53-2121
Compartment only	53-2122

**Dealer Compartment Kit contents:**

- 4 Each of Needle and Seat  
1.5/2.0/2.3/2.5
- 4 Each of Arm Spring  
65/80/95/115gm
- 5 Each of Low Jets  
67.5/70/72.5/75/77.5/87.5/90/92.5  
95/97.5/100/102.5/105/107.5/110
- 5 Each of Main Jets  
105/110/115/120/125/130/135/140  
145/150/155/160

**Performance Compartment Kit contents:**

- 4 Each of Needle and Seat  
2.0/2.3/2.5
- 4 Each of Arm Spring  
80/95/115gm
- 5 Each of Low Jets  
105/110/115/120/125/130/135/140  
145/150/155/160
- 5 Each of Main Jets  
135/140/145/150/155/160/165/170  
175/180/185/190

**OLD TYPE NEEDLES & SEATS**

**ROUND DIAPHRAGM COVER  
STANDARD BN  
OLD TYPE, STANDARD METAL TIP**

— Screw in Type —



Description	Part No.
1.5	VM26/26-1.5
2.0	VM26/26-2.0
2.3	VM26/26-2.3
2.5	VM26/26-2.5
2.8	VM26/26-2.8

**NEW TYPE NEEDLES & SEATS**

**SQUARE DIAPHRAGM COVER SUPER BN (NEW TYPE)**

— Push in Type —



**VITON TIP**

Recommended for Gas Fuel Applications

Description	Part No.
1.2	—
1.5	786-35015-1.5
1.8	786-35015-1.8
2.0	786-35015-2.0
2.3	786-35015-2.3
2.5	786-35015-2.5

**STANDARD METAL TIP**

Recommended for Alcohol Fuel Applications

Description	Part No.
1.2	786-35018-1.2
1.5	786-35018-1.5
1.8	786-35018-1.8
2.0	786-35018-2.0
2.3	786-35018-2.3
2.5	786-35018-2.5

**MIKUNI ARM SPRINGS**

Description	Color	Part No.
65 grams	Shiny Silver	730-03030
80 grams	Black	730-03033
95 grams*	Platinum	730-03034
*This 95gm spring is for Sea Doo BN 46l Carbs Only!		
95 grams	Dull Silver	730-03027-T
115 grams	Platinum	730-03027

**POP-OFF PRESSURE CHART**

Part No.	730-03027	730-03027-T	730-03033	730-03030
Arm Springs	115 grams	95 grams	80 grams	65 grams
Needle Valve Size	1.5	55 p.s.i.	43 p.s.i.	38 p.s.i.
	2.0	32 p.s.i.	25 p.s.i.	21 p.s.i.
	2.3	22 p.s.i.	20 p.s.i.	17 p.s.i.
	2.5	19 p.s.i.	17 p.s.i.	14 p.s.i.
Color	Platinum*	Dull Silver	Black	Shiny Silver

\*The new color "platinum" color is due to increasing emission regulations in Japan. The new treatment process of the springs creates the new color.



FOUR STROKE  
INTAKE SYSTEMS  
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STEERING & CONTROLS  
BODY  
SERVICE TOOLS ACCESSORIES /HARDWARE  
CHEMICAL

# MIKUNI GENUINE PARTS SUPER BN 46 "I"



## SUPER BN 46 "I" TYPE CARB

Diagram No.	Description	Mikuni Part No.
4.	Grommet, Check Valve (2)	BN34/125
7.	Filter	BN44/146
8.	O-Ring, Hi Speed (2)	B30/305
9.	O-Ring, Low Speed (2)	MD12/16
11.	Gasket Valve Body	BN34/123
12.	Check Valve (Clear)	BN34/107
14.	Pin, Arm	VM30/97
15.	Arm (Stainless)	BN38/534
16.	Diaphragm Assembly	BN44/145
61.	Gasket, Pump	BN46I/13
62.	Diaphragm, Pump (Clear)	BN46I/14
63.	O-Ring	616-73002
64.	Check Valve (2)	BN46I/11
66.	Diaphragm, Damper	BN46I/34
67.	Diaphragm, Damper (clear)	BN46I/15
68.	O-Ring	616-73003
69.	O-Ring, Needle Valve	KV/10

### MK-BN46I Rebuild Kit

21.	Washer, Aluminum (3)	.BN38/39
25.	Spring (2)	.BN38/344
27.	Washer, Aluminum (2)	.BN38/172
28.	Spring, Low Speed	.BN38/343
29b.	Adjuster, Low Speed	.BN38/166
33.	Plate, Needle Valve Retainer	.BN34/177-GG
34.	Screw with Washer	.CW2-0307-G
37.	Screw	.BV15/121-05-GG
38.	Plate, Valve	.BN34/108-GG
39.	Valve Body Assembly	.BN44/165
40.	Screw (2)	.C5-0414-G
41.	Screw	.C6-0308-G
42.	Cover (Stainless)	.BN44/147
70.	Screw with 2 Washers (4)	.BN34/120-35
73.	Stop Screw, Idle	.BN38I/40
76.	Screw (4)	.C2S=0514
77.	Diaphragm, Accelerator. Pump	.BN40I/22
79.	Body Assembly, Pump	.BN46I/49



### ADJUSTER WITH CROSS BAR

This allows simple tuning adjustments, which is not possible with oem screw.

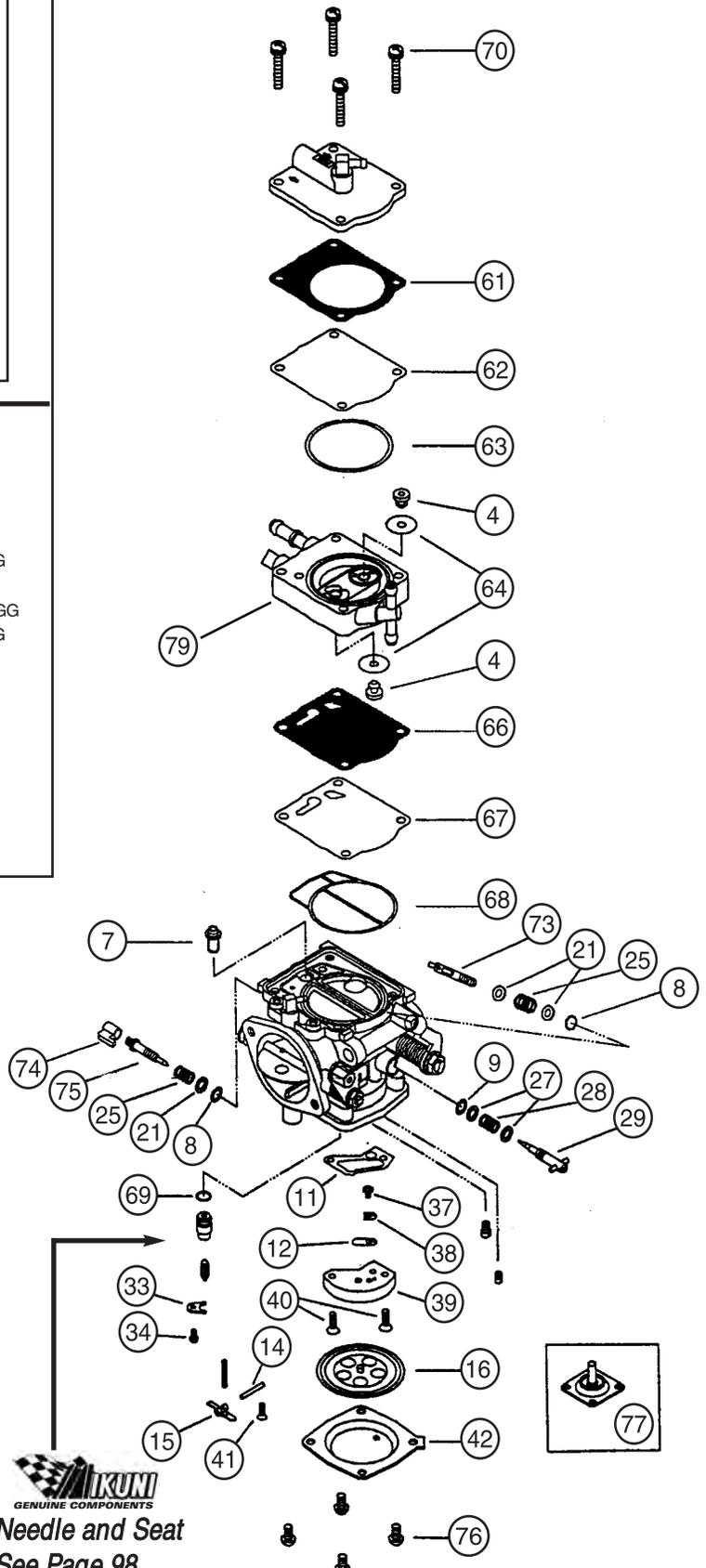
**"I" series 44/46, OEM Yam GP800 & SD 951** Part No.  
High Speed cross bar screw **SA-100**

**OEM Yamaha Carb, XL1200LTD, XLT1200, GP1200R** Part No.  
Low Speed cross bar screw **SA-200**  
High Speed cross bar screw **SA-300**

**OEM Kawasaki Carb, Kawasaki 800SX-R** Part No.  
Low Speed cross bar screw **SA-500**  
High Speed cross bar screw **SA-100**

**OEM Yamaha Carb, Superjet 2004+** Part No.  
Low Speed cross bar screw\* **SA-700**  
High Speed cross bar screw\* **SA-800**

\*Choke must be removed to install SA-700 and SA-800



**Needle and Seat**  
See Page 98

For Yamaha GPR Mikuni Carb Repair Kit, see page 100

FOUR STROKE
INTAKE SYSTEMS
ENGINE/GASKETS
EXHAUST
DRIVE LINE HANDLING
ELECTRICAL
WATERLINE /BILGE
STEERING & CONTROLS
BODY
ACCESSORIES SERVICE TOOLS
HARDWARE
CHEMICAL

# SUPER BN 44I/46I FOR YAMAHA

Rebuild kit for one Super BN44I or BN 46I carburetor.

**FITS ONLY:** Yamaha Watercraft engine with Power Valve System (Type 60T, 66E, 66V, 67X, 68N)



- FOUR STROKE
- INTAKE SYSTEMS
- ENGINE/GASKETS
- EXHAUST
- DRIVE LINE HANDLING
- ELECTRICAL
- WATERLINE /BILGE
- STEERING & CONTROLS
- BODY
- SERVICE TOOLS ACCESSORIES /HARDWARE
- CHEMICAL

Diagram No.	Description	Mikuni Part No.
1.	Gasket, Pump	BN46I/13
2.	Diaphragm, Pump (Clear)	BN46I/14
3.	O-Ring	616-92014
4.	Check Valve (2 pcs)	999-815-071
5.	Grommet (2 pcs)	BN34/125
6.	Diaphragm, Damper	BN46I/34
7.	Diaphragm, Damper (clear)	BN46I/15
8.	O-Ring	616-92015
9.	Filter, Fuel	BN44/146
10.	O-Ring, High Speed	BN21/156
11.	O-Ring, Low Speed	BN21/156
12.	O-Ring, Needle Valve	KV/10
13.	Gasket, Valve Body	BN34/123
14.	Check Valve (clear)	BN34/107
15.	Pin, Arm	VM30/97
16.	Spring, Arm 115 gram	730-03027
17.	Arm (Stainless)	BN38/534
18.	Diaphragm Assembly, Main	BN44/145
39.	Screw	C6-0308-G

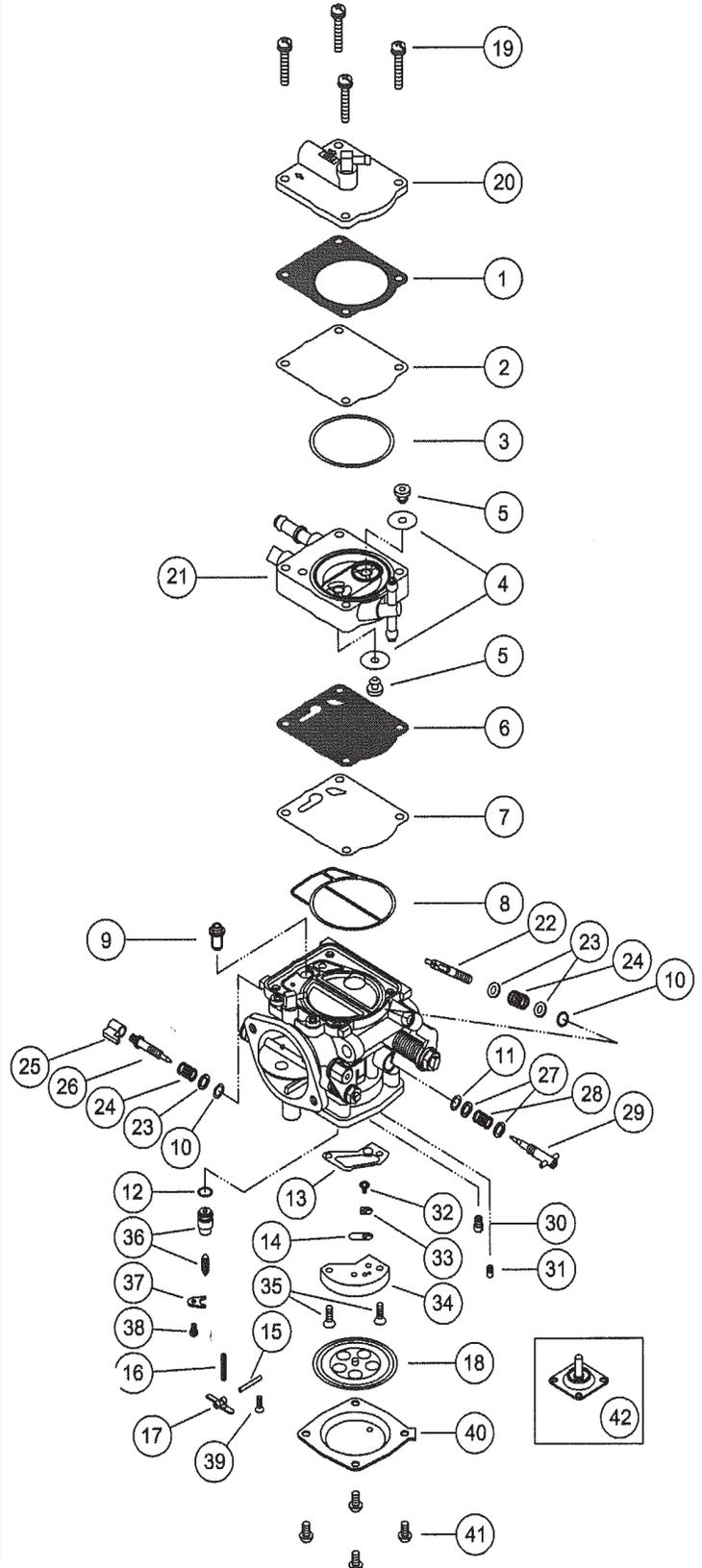
**MK-BN 44I-YAM**

## SBN44I/SBN46I REPLACEMENT PARTS

- 19. Screw with 2 Washers (4)\*\* ..... BN34/120-35
- 20. Cover, Pump ..... *Not Available*
- 21. Body Assembly, Pump ..... BN46I/49
- 22. Stop Screw, Idle ..... BN38I/40
- 23. Washer, Aluminum (3) ..... BN38/39
- 24. Spring (2) ..... BN38/344
- 25. Cap, High Speed Adjuster ..... *Not Available*
- 26. Adjuster, High Speed ..... 604-25017
- 27. Washer, Aluminum (2) ..... BN38/172
- 28. Spring, Low Speed ..... BN38/343
- 29. Adjuster, Low Speed ..... BN38/477
- 30. Jet, High Speed ..... N102.221-size
- 31. Jet, Low Speed ..... N100.606-size
- 32. Screw ..... BV15/121-05-GG
- 33. Plate, Valve ..... BN34/108-GG
- 34. Valve, Body Assembly ..... BN44/165
- 35. Screw (2) ..... C5-0414-G
- 36. **Needle Valve Assembly** ..... *SEE PAGE 98*
- 37. Plate, Needle Valve Retainer ..... BN34/117-GG
- 38. Screw w/Washer ..... CW2-0307-G
- 39. Screw ..... C6-0308-G
- 40. Cover, (stainless, unpainted) ..... BN44/147
- 41. Screw (4)\*\* ..... C2S-0514
- 42. Diaphragm, Accelerator Pump ..... BN40I/22

\*\*Tightening Torque:  
Part No. 19: 4.5 N•m (45 kg•cm)  
Part No. 42: 3.5 N•m (35 kg•cm)

Note: DO NOT use gasket sealant during assembly.





DF62-702



MK-DF62

## MIKUNI HIGH VOLUME FUEL PUMP

16 gallons/61 Liters per hour

Description	Part No.
Mikuni Fuel Pump	DF62-702
Mikuni Fuel Pump Repair Kit	MK-DF62



## SPIGOT MOUNT FLANGE FOR MIKUNI CARBURETOR

For easier removal and installation of carburetor for jetting and maintenance. Recommended to use with side draft manifold only.

Description	Part No.
Spigot Mount Flange (Silver Band)	M-VM40-200K
Spigot Mount Flange Sea Doo 951 (Black Band)	I-VM44-200-1



\*\*Fuel pump is not included

## BLOWSION CARBON FIBER REMOTE FUEL PUMP BRACKET

Use this ultra sano 100% carbon fiber fuel pump bracket when adding remote fuel pumps. Lightweight and burly, this is the key to your mounting problems without adding weight or stress to the engine compartment.

Description	Part No.
Fuel Pump Bracket	01-02-556



## MIKUNI FUEL PUMP BLOCK OFF

Block off plates sold individually, one block off plate only, no bolts are included with the block off plate. Sold each.

Description	Part No.
Mikuni Fuel Pump Block Off	BN34/126



## BLOWSION FUEL PUMP BLOCK OFF

Blowson has created these sanitary anodized and engraved Blowson logo carb block offs. A necessity when using a remote fuel pump. Fits all Mikuni carbs. Billet aluminum and includes all stainless hardware.

Description	Part No.
Blowson Mikuni Fuel Pump Block Off	01-02-557



## MIKUNI POP-OFF GAUGE

For Accurate adjustment of pop off pressure levels for fine tuning requirements.

Description	Part No.
Mikuni 30 lbs. Gauge	MK-BN PMP
Mikuni 60 lbs. Gauge	MK-BN PMP-60
Mikuni 100 lbs. Gauge	MK-BN PMP-100



## MIKUNI POCKET TUNER

A handy pocket-size slide calculator which can be used to determine required jetting changes in Mikuni carburetors due to ambient temperature, altitude or both.

Description	Part No.
Mikuni Pocket Tuner	MK-550-TNR

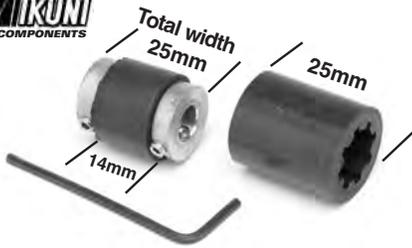


## MIKUNI TOOL KIT

This handy little kit contains all the tools necessary to make jetting change, perform normal maintenance as well as disassemble and rebuild any Mikuni carburetor.

Description	Part No.
Mikuni Tool Kit	MK-404

FOUR STROKE	INTAKE SYSTEMS	ENGINE/GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES	SERVICE TOOLS /HARDWARE	CHEMICAL
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## MIKUNI DUAL CARBURETORS LINKAGE KIT

The Mikuni Dual linkage kit includes all items as pictured: One complete linkage, one allen wrench and two dampers (14mm & 25mm) are included.

Description	Part No.
Mikuni Dual Linkage Kit	MK-BN/001



## JETWORKS LINKAGE

Using 120mm center to center aftermarket dual S/BN carburetor applications. It is made to have zero backlashes and will not compress after age.

Description	Part No.
120mm center to center	LK-2



## CARBURETORS LINKAGE

Linkage Kit	Part No.
Mikuni Carburetor Linkage	53-0622



## MIKUNI GENUINE OEM STYLE LINKAGE RODS

Description	Part No.
D. Sea Doo XP800	BN38/573-1A
E. Sea Doo 951	BN38/573-1C



## CARBURETORS LINKAGE SLEEVES

Sleeve Only		Part No.
3/4"	19mm	53-9906
1"	25mm	53-9916
2-3/16"	56mm	53-9917
6"	152mm	53-9918



## JET WORKS 48MM BUTTERFLY

Description	Part No.
Jet Works 48mm Butterfly	48-012

*\*No butterfly screws are included.*

## MISCELLANEOUS HARDWARE FOR CARBURETORS

All Items are Sold Individually



Description	Part No.
6m x 25mm Metric Stud	62-3025



Description	Part No.
6m x 50mm Metric Stud	63-3050



Description	Part No.
Press-in Nipple 1/4"-1/8"	53-9935



Description	Part No.
Throttle Linkage Arm	53-0610



Description	Part No.
Throttle Linkage Arm	53-0607



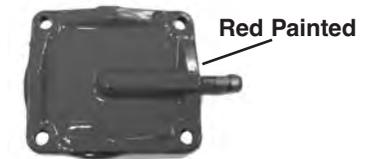
Description	Part No.
Throttle Linkage Arm	53-0608



Description	Part No.
Throttle Arm	53-0609



Description	Part No.
Plastic T Fitting 1/4"-1/4"-1/8"	64-0095
Brass T Fitting 1/4"-1/4"-1/8"	64-0017



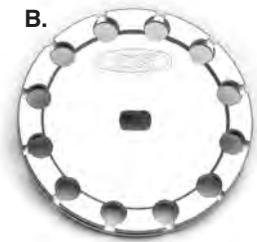
Description	Part No.
Mikuni Pump Side Cover - Red Color	BN 34/95B-Red



## HOT PRODUCTS THROTTLE CABLE DRUM FOR MIKUNI

Hot Products original billet throttle drum for Mikuni carburetors allows the use of any throttle cable and bracket on Mikuni carburetors. 9 positions, 18mm throw. Anodized black.

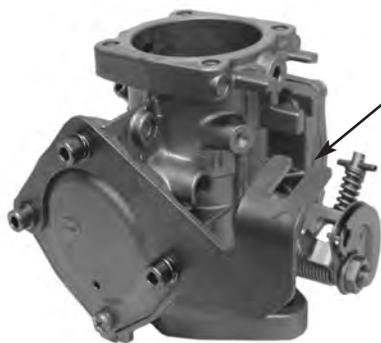
Description	Part No.
Hot Products Cable Drum 18mm Throw	53-2622



## PJS THROTTLE CABLE DRUM FOR MIKUNI

PJS Drums features a center web thin enough to allow use of nut with lock washer. "D" slot match the throttle shaft for a perfect fit. 12 positions and available in 20mm or 25mm throws, anodized clear.

Description	Part No.
A. Standard Size (20mm throw)	CB-00200
B. Oversized (25mm throw) For Oil injection and stock carburetors of Yamaha GP/XL	CB-00205



8mm

## PJS DIAPHRAGM COVER MOUNT THROTTLE CABLE BRACKET

Recommended for use with Hot Products Cable Drum Part #53-2622. Hardware included.

10mm



## PUMP MOUNT THROTTLE CABLE BRACKET

Recommended for use with Hot Products Cable Drum Part #53-2622. Hardware is not included.

Description	Cable Size	Part No.
Universal Throttle Cable Bracket	8mm	CB-00210

Description	Cable Size	Part No.
Cable Mount Diameter	10mm	53-3317



## MOTOINE SOFT SPRING FOR MIKUNI CARBS

New Motoine Mikuni spring is 2/3 softer than original spring and reduces thumb and/or finger throttle fatigue.

Description	Part No.
Motoine Soft Spring	MR-00013



## ADA RACING CABLE BRACKET FOR OEM CARBS

Kawasaki 750/800 throttle cable/choke cable bracket. For use with stock carbs when using the ADA Racing billet girdle head kit. This bracket has the throttle cable mount moved up, so it does not interfere with the girdle bracket.

Description	Part No.
ADA Bracket	KA800BRK-CARB



2012 HOT PRODUCTS SPONSORED RACER  
TAYLOR CURTIS • FREERIDE  
PHOTO COURTESY OF YUSUKE IMAIZUMI

FOUR STROKE	INTAKE SYSTEMS	ENGINE/GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES	SERVICE TOOLS /HARDWARE	CHEMICAL
-------------	----------------	----------------	---------	---------------------	------------	------------------	---------------------	------	-------------	-------------------------	----------

# KEIHIN GENUINE CARBURETOR REBUILD KITS

Kits include all necessary gaskets, diaphragms, and hardware required to rebuild Keihin carburetors.



**Description** **Part No.**  
38/40mm OEM Type & 42mm CDKII 53-2103

**POLARIS** • Hurricane 700 96-97, SL/SLT 700 96-97, SLH 700 96-97, SL900 96-97, SL/SLTX 1050 96-00, SLXH 1050 98-99, Genesis 99-00, 1200Pro 00, Virage/TX 00

**KAWASAKI** • JS440 91-92, JS550SX 91-95, 650TS 89-96, 650SC 90-95, 750SX 92-95, 750SXI 95, 750SS 92-98, 750XI 93-97, 750XIR 94, 750ST 94-95, 750STS 95-97, 750ZXI 95-98, 900ZXI 95-97, 900STX 97-99, 1100ZXI 96-97



**Description** **Part No.**  
28mm OEM Type 53-2100

**KAWASAKI** • J650 SX 1986-91 & 650 X-2 1986-91



## KEIHIN FUEL PUMP REBUILD KIT

Includes all parts necessary to rebuild the Keihin fuel pump.  
Fits Kawasaki 650SX 1986-91, 650X2 1989-91.

**Description** **Part No.**  
Keihin Fuel Pump Rebuild Kit 53-2105



## MIKUNI SBN CARBURETOR ADAPTERS FOR KEIHIN INTAKE MANIFOLDS

This adapter allows you to run a Mikuni SBN 44mm or 46mm carburetor on your Keihin intake manifold.

Note: You MUST bore your intake to match the new larger carburetor size.

**Description** **Part No.**  
Watcon Keihin Mikuni Intake Manifold Adapter ADPT-K



## KEIHIN CARBURETOR ADAPTERS FOR MIKUNI CARBURETOR MANIFOLDS

**Description** **Part No.**  
A. This adapter allows mounting of Keihin CDKII 38, 42 carburetor to any popular O.E. or aftermarket 44mm Mikuni intake manifold. 53-3305

*\*The carb will stand straight up when using this adapter - the carb is just rotated a few degrees to clear the adapter mounting bolts.*

**Description** **Part No.**  
B. This adapter is designed to mount to the Keihin CDKII 38, 42 carburetor at an angle specifically for the Kawasaki JS440/550 piston port engine. 53-3308

*\*A short air filter is required for to prevent rubbing on the inside of the hood*



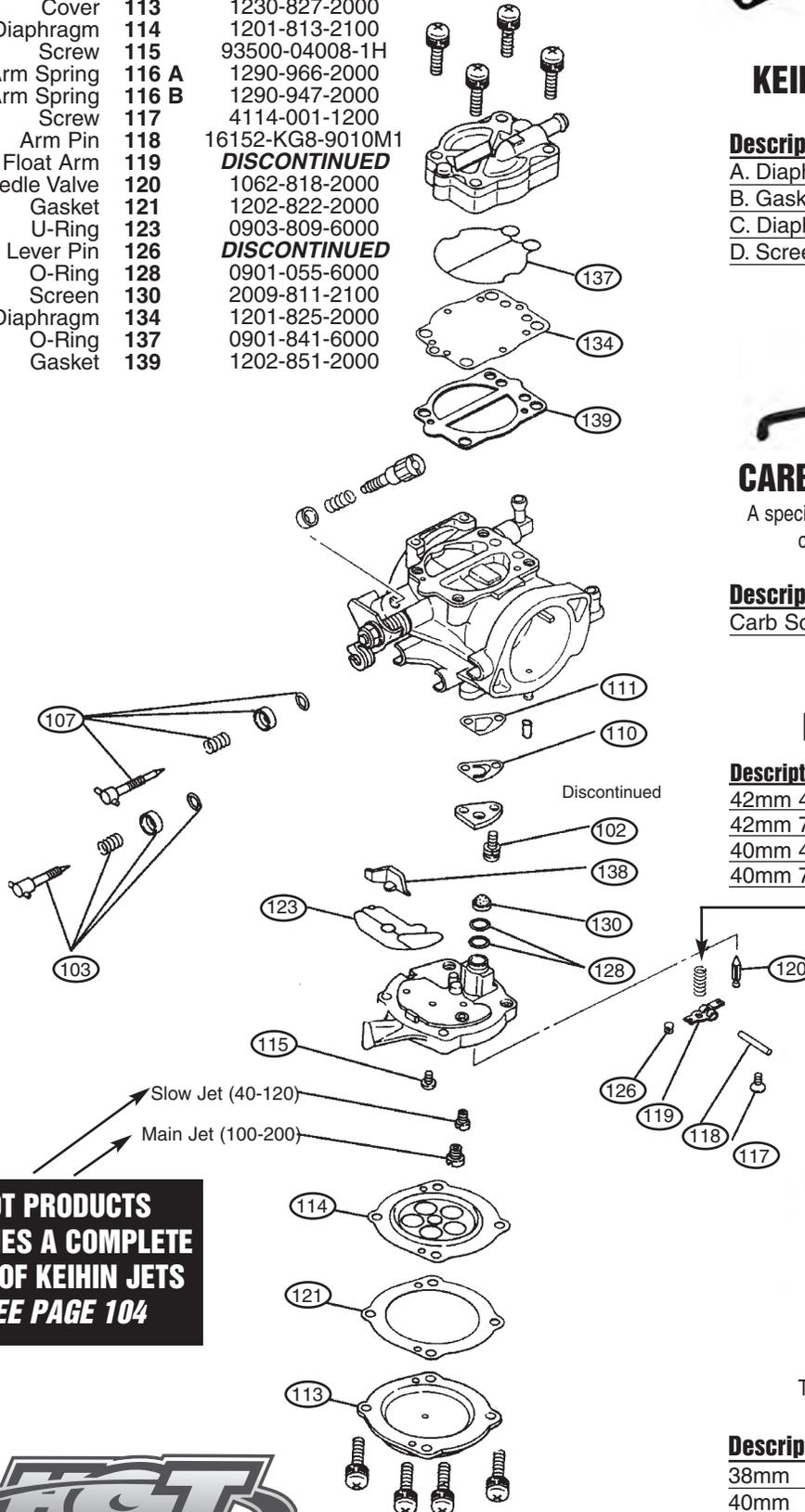
## CARBURETOR JETS

Keihin Low Jets		Keihin Main Jets	Keihin Main Jets	
P/# (N424-35-size)	P/# (N424-27-size)		P/# (N424-36-size)	
40	88	150	100	150
42	90	155	102	152
45	92	160	105	155
48	95	165	108	158
50	98	170	110	160
52	100	175	112	162
55	102	180	115	165
58	105	185	118	168
60	108	190	120	170
62	110	195	125	172
65	112	200	128	175
68	115	(for CDCV)	130	178
70	118		132	180
72	120		135	182
75			138	185
78			140	190
80			142	195
85			145	200
			148	

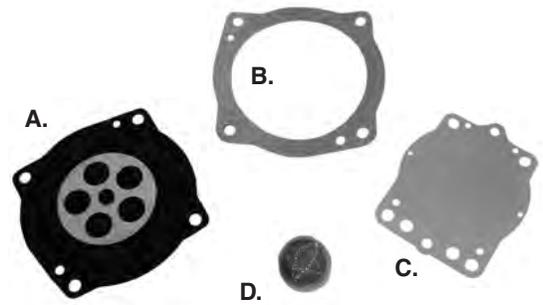
**GENUINE KEIHIN  
CARBURETOR PARTS**



Description	Diagram	Keihin Part No.
Screw	102	N114-03060
Adjust Screw (Main)	103	<b>DISCONTINUED</b>
Adjust Screw (Slow)	107	Z014-0670
Check Valve	110	1242-809-2000
Gasket	111	1202-823-2000
Cover	113	1230-827-2000
Diaphragm	114	1201-813-2100
Screw	115	93500-04008-1H
Arm Spring	116 A	1290-966-2000
Arm Spring	116 B	1290-947-2000
Screw	117	4114-001-1200
Arm Pin	118	16152-KG8-9010M1
Float Arm	119	<b>DISCONTINUED</b>
Needle Valve	120	1062-818-2000
Gasket	121	1202-822-2000
U-Ring	123	0903-809-6000
Lever Pin	126	<b>DISCONTINUED</b>
O-Ring	128	0901-055-6000
Screen	130	2009-811-2100
Diaphragm	134	1201-825-2000
O-Ring	137	0901-841-6000
Gasket	139	1202-851-2000



**HOT PRODUCTS  
CARRIES A COMPLETE  
LINE OF KEIHIN JETS  
SEE PAGE 104**



**KEIHIN DIAPHRAGM & FILTER**

Description	Part No.
A. Diaphragm Assembly	1201-813-2100
B. Gasket	1202-822-2000
C. Diaphragm	1201-825-2000
D. Screen Filter	2009-811-2100



**CARB SCREW ADJUSTING TOOL**

A special 90-degree screwdriver, designed to adjust carburetors of triple-cylinder watercraft.

Description	Part No.
Carb Screw Adjusting Tool	08-0119

**KEIHIN ARM SPRINGS**

Description	Part No.
42mm 40 gram	1290-966-2000
42mm 70 gram	1290-947-2000
40mm 40 gram	1290-992-2000
40mm 70 gram	1290-961-2000



**ULTIMATE KEIHIN  
CARB GASKETS**

Thick "Green" gaskets for Keihin carbs.

Description	Part No.
38mm	9200
40mm	9205
42mm	9220

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL

# SINGLE INTAKE MANIFOLDS FOR MIKUNI CARBURETORS



Includes Moto Tassanari V-Force 2 Reed. Made of billet aluminum, this single intake manifold will fit on Y701/760 cylinder.

**Yamaha** Part No.  
DASA Billet Single Manifold Kit **IN-7003**



Includes carburetor mounting studs, nuts and gaskets.

**Kawasaki** Part No.  
650 All **53-0651**



Includes carburetor mounting studs and nuts.

**Kawasaki** Part No.  
750 All **53-0827**

# DUAL INTAKE MANIFOLDS FOR MIKUNI CARBURETORS



## R&D 800 SXR INTAKE MANIFOLD KIT

**Kawasaki** Part No.  
800SX-R with Billet Carb. Plate for OEM Reed (Center to center 120mm) **231-75146**  
*\*Note: This manifold is compatible with Moto Tassanari V-Force 3 Reed Sets based on the Reed Kit is supplied with stuffers that match perfectly to this R&D Manifold intake manifold.*  
Mounting Plate Gasket **12-0010**



## R&D SUPERJET INTAKE MANIFOLD KIT

**Yamaha** Part No.  
701(62T) W/Rdr/760 With Billet Carb. Plate for OEM Reed (Center to Center 120 mm) **222-76000**  
*\*Note: This manifold is compatible with Moto Tassanari V-Force 3 Reed Sets based on the Reed Kit is supplied with stuffers that match perfectly to this R&D Manifold intake manifold.*  
Mounting Plate Gasket **12-0010**



**Yamaha** Part No.  
Y701 (62T), Wave Raider/760 **13-2109**



**Sea Doo** Part No.  
580/650/720 **53-0923**



**Sea Doo** Part No.  
XP800 Direct Flow **223-80001**

# TRIPLE INTAKE MANIFOLDS FOR MIKUNI CARBURETORS



## KOMMANDER KAWASAKI 1100/1200 TRIPLE INTAKE MANIFOLD

Fits all 1100 Triple motors. Designed to fit all 44mm through 49mm Mikuni carbs. Supplied with all required hardware and gaskets.

**Kawasaki** Part No.  
Kommander 1100/1200 Intake Manifold **KOM-107**



## R&D YAMAHA 1100 TRIPLE INTAKE MANIFOLD

Fits all 1100 Triple motors. Designed to fit all 44mm and 46mm Mikuni carbs. Supplied with all required hardware and gaskets.

**Yamaha** Part No.  
R&D 1100/1200 (63M/65U) Intake Manifold **232-11000**

# DUAL INTAKE MANIFOLDS KITS FOR MIKUNI CARBURETORS

IMK-001



## BOYESEN EXTREME VELOCITY SUPERJET INTAKE KIT & RAD VALVES

Yamaha	Part No.
701 Superjet 96-08, Extreme Velocity Intake Kit*	<b>IM-001KIT</b>
Extreme Velocity Intake Manifold Only	<b>IM-001</b>
"EV" RAD Valves Kit (2 Valves per Kit)	<b>RAD-131A</b>
Replacement RAD Reed for RAD-131A	<b>PSR-131A</b>
IMK-001 Intake Manifold/Reed Gasket Only	<b>IMG-001</b>

\*Kit includes (1) precision cast aluminum intake manifold, (2) "EV" RAD valves, (1) carb adapter plate and all necessary installation hardware.



IMK-002

## BOYESEN EXTREME VELOCITY 800 SXR INTAKE KIT & RAD VALVES

Kawasaki	Part No.
800SX-R 03-08, Extreme Velocity Intake Kit*	<b>IM-002KIT</b>
Extreme Velocity Intake Manifold Only	<b>IM-002</b>
"EV" RAD Valves Kit (Single Valve)	<b>RAD-113</b>
Replacement RAD Reed for RAD-113	<b>PSR-131A</b>
IMK-001 Intake Manifold/Reed Gasket Only	<b>IMG-002</b>

\*Kit includes (1) precision cast aluminum intake manifold, (2) "EV" RAD valves, (1) carb adapter plate and all necessary installation hardware.



## DASA BILLET ALUMINUM DUAL YAMAHA INTAKE MANIFOLD KIT

Designed by the billet masters at DASA, this 6061 billet Dual intake manifold incorporates a "tipped or directional" reed design without the need of a spacer plate. What this results in is a boost in overall hp without a significant loss in low speed performance. Hardware included to fit 62T cases. Supplied with VForce 2 Reed Kit.

Yamaha	Part No.
DASA Billet Dual Intake Manifold Kit	<b>IN-7001</b>

## Yamaha Crankcase Application Chart

<b>6M6</b> 650LX, VXR, Wave Runner III, Super Jet 90-93	<b>63M</b> Raider 1100, Venture 1100
<b>61X</b> Pro VXR, Wave Runner III, GP, Super Jet 94-95, Fx-1, Wave Blaster 93-95, Raider 701 96-97	<b>66E</b> GP800 Power Valve
<b>62T</b> Super Jet 96-01, Blaster II	<b>65U</b> GP1200, XL1200, SUV1200
<b>64X</b> Wave Blaster 96-97, GP760, Raider 701/Deluxe/760 94-95, Venture 701/760, XL700/760	<b>66V</b> GP1200R, XL1200 LTD/XLT, 99-01 Power Valve



## WATCON 550 INTAKE MANIFOLD SPACER

This Watcon intake spacer will allow the proper clearance for the SBN 44/46mm carb to be installed on a JS440/550 stock intake manifold.

**\*\*Gaskets and Hardware not included.**



For Mikuni SBN 44, 46 or 48mm Spigot Mount Carb Applications



Kawasaki	Part No.
Watcon Intake Man. Spacer	<b>K550-SPCR</b>
Intake Manifold Gasket	<b>5250</b>

Kawasaki	Part No.
Ultra 150/STX-R Kit	<b>231-15000</b>
*Use with M-16 reed only	

Yamaha	Part No.
GP800 with stuffers	<b>222-80000</b>

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL



Sea Doo	Carb	Flame Arrestor	Part No.
720	Mikuni 44mm	K&N	53-0915
720	Mikuni 46mm	K&N	53-0916

720 Kits also fit 650 & 580 Engines. Please specify for proper jetting.

*All carburetor kits are assembled with the above listed K&N Filters or Tau Ceti Pro Series Flame Arrestors, the filter size and shape is the best fit based on the watercraft model.*



### HOT PRODUCTS YAMAHA AND KAWASAKI DUAL MIKUNI CARBURETOR KITS

Yamaha	Carb	Flame Arrestor	Part No.
701 W/Rdr / 760 (62T)	Mikuni 44mm	Tau Ceti	53-0975
701 W/Rdr / 760 (62T)	Mikuni 46mm	Tau Ceti	53-0974
1100/1200	Mikuni 44mm	Tau Ceti	53-0980
1100/1200	Mikuni 46mm	Tau Ceti	53-0992

Kawasaki	Carb	Flame Arrestor	Part No.
750	Mikuni 44mm	Tau Ceti	53-0830
750	Mikuni 46mm	Tau Ceti	53-0840

\* See page 64 for crankcase application chart

*All carburetor kits are assembled with the above listed Tau Ceti Pro Series Flame Arrestors, the filter size and shape is the best fit based on the watercraft model.*

### HOT PRODUCTS KAWASAKI SINGLE MIKUNI CARBURETOR KITS

Kawasaki	Carb	Flame Arrestor	Part No.
750 All	Mikuni 44mm	Tau Ceti	53-0820
750 All	Mikuni 46mm	Tau Ceti	53-0825

*All carburetor kits are assembled with the above listed Tau Ceti Pro Series Flame Arrestors, the filter size and shape is the best fit based on the watercraft model.*





### ADA RACING ANGLED REED SPACER KIT

The ADA Racing Reed Spacer Kit features a 3 degree angle for Kawasaki engines. The kit includes billet aluminum spacers, gaskets, studs and additional pulse fittings.

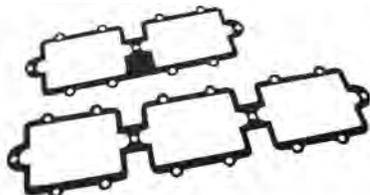
Kawasaki	Part No.
A. Kawasaki 750/800 Angled Reed Spacer Kit	31-130390
B. Kawasaki 900/1100 Angled Reed Spacer Kit	31-131390



\*Hardware not included.

### R&D REED VALVE SPACERS

Kawasaki	Part No.
750/800 Reed Spacer Set	251-75010
750/800 Reed Spacer Angled Set	251-80000
Reed Gasket (sold individually)	7050
6x50mm Stainless Steel Studs (sold individually)	62-3050



### RIVA RACING REED VALVE SPACER GASKETS

Yamaha	Part No.
701/760 Spacer Gasket	53-5235-GSK
1100/1200 Spacer Gasket	53-5236-GSK



### R&D REED VALVE SPACERS

Yamaha	Part No.
701/760 (62T/64X) Reed Spacer Angled	262-70101



### PLASTIC CAPS

The plastic caps have many uses on a PWC. Use the caps to cap the primer fittings, fuel fittings and any other item you need to cap will performing repairs or performing routine maintenance. Caps are sold in packs of 10.

Description	Part No.
Small 1/8" Cap - Oil Primer Nipple (10 pack)	50-9500P
Large 3/8" Cap - Carb/Fuel Nipple (10 pack)	50-9504P



### KAWASAKI DRAIN CASE BLOCK OFF

Kawasaki	Part No.
650/750 Kawasaki Drain Case Block Off	50-9505

*\*Case Block Off not applicable for 800SX-R*



## BILLET ALUMINUM OIL INJECTION BLOCK OFF KITS



Sea Doo	Part No.
580/650/720 All	50-9504



Sea Doo	Part No.
800/951	50-9506



Polaris	Part No.
SL700/SLT700/Hurricane SL900/SLTX/1050	50-9509



Yamaha	Part No.
650/701/760	50-9500



Yamaha	Part No.
1100/1200 GPR	50-9501

Kawasaki	Part No.
650/750	50-9500

Kawasaki	Part No.
900/1100	50-9501

FOUR  
STROKE

INTAKE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGE

STEERING  
& CONTROLS

BODY

ACCESSORIES

SERVICE TOOLS  
/HARDWARE

CHEMICAL

**BLOWSION****BLOWSION****BLOWSION**

### BLOWSION FUEL FILLER FOR YAMAHA SUPERJET AND POLARIS OCTANE

Description	Part No.
Billet Dual Pick Up	01-02-502
Billet Single Pick Up	01-02-501



### BLOWSION FUEL FILLER FOR KAWASAKI SX/SXI/SXI-PRO/SX-R

Description	Part No.
Billet Dual Pick Up	01-02-506



### BLOWSION RACING FUEL PICKUP FOR KAWASAKI SX/SXI/SXI-PRO/SX-R

Description	Part No.
Billet Dual Pick Up	01-02-507



### FUEL PICKUP FOR 1100 SXR CONVERSION & ZXI/STX-R

Provides maximum fuel flow to triple carbs applications. Used by the top Professional Racers for conversion Race Ski applications.

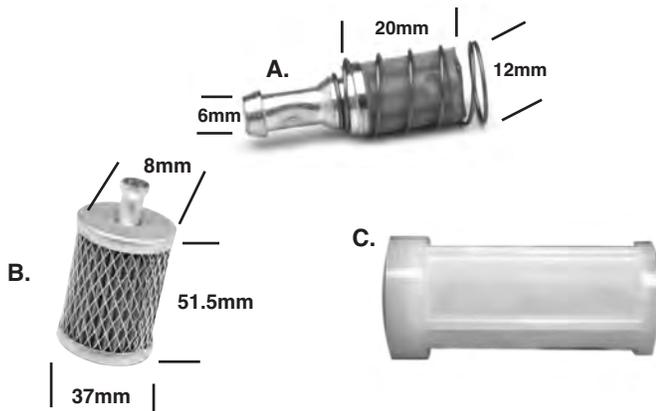
Description	Part No.
Kaw 1100 SXR/ZXI/STX-R Fuel Pickup	53-9957



### ONE WAY CHECK VALVE

One way vent valve allows air to travel in one direction only. 1/4" Fuel Line.

Description	Color	Part No.
A. One Way Check Valve 1/4" Hose Barb	Red	53-9941
B. One Way Check Valve 1/4" Hose Barb	Blk/Wht	CV-14B



### FUEL TANK FILTER

Description	Part No.
A. Universal Fuel Tank Filter (Replaces Sea Doo #275-500-005)	53-9946
B. Universal Fuel Tank Filter (Replaces Yamaha #8H5-224560-00)	006-516
C. Sea Doo Fuel Filter Tank Filter (Replaces Sea Doo #275-500-089)	006-510



### R&D ULTRA 250X DEEP FUEL PICKUP

The R&D Deep Fuel Pickup is designed to maximize fuel volume. The stock fuel pickup is located horizontally in the gas tank three inches above the bottom of the tank. This leaves approximately 5 gallons of unusable fuel in the bottom of the tank. The R&D Deep Fuel Pickup relocates the stock fuel pickup to the bottom of the tank in a vertical position. The new positioning allows for 24 percent more riding time per tank of gas. The deep fuel pickup is an absolute must for offshore racing.

Description	Part No.
R&D Ultra 250X/LX Deep Fuel Pick Up	801-25100



## RIVA HIGH VOLUME FUEL FILTER

3/8" Fuel Line.

Description	Part No.
3/8" RIVA High Volume Filter	<b>RY0503</b>



## 2" SLIMLINE FUEL FILTER WITH BRONZE ELEMENT

Clear nylon housing and bronze 75 Micron Element. 2" length. 1/4" Fuel Line.

Description	Part No.
2" Slimline with bronze	<b>53-9952</b>
Retail sales display card with 20 filters	<b>53-9952D</b>



## 3" SLIMLINE FUEL FILTER WITH POLYESTER ELEMENT

Lightweight high flow 90 Micron Polyester Element. 3" length. 1/4" Fuel Line.

Description	Part No.
3" Slimline with polyester	<b>53-9953</b>
Retail sales display card with 20 filters	<b>53-9953D</b>



## HOT PRODUCTS IN-LINE OIL FILTER

75 Micron Stainless Steel Element. 1.3" diameter, 1/4" Fuel Line. This filter works with fuel and oils. Perfect protection for oil pumps and oil injection engines.

Description	Part No.
Stainless Steel Filter	<b>53-9943</b>
Retail sales display card with 20 filters	<b>53-9943D</b>



## HIGH-CAPACITY HIGH FLOW FUEL FILTER

80 Micron Paper Element. 1.6" diameter, 1/4" Fuel Line.

Description	Part No.
High Flow Paper Filter	<b>53-9945</b>
Retail sales display card with 20 filters	<b>53-9945D</b>



## RIVA OE REPLACEMENT FUEL FILTERS

OE replacements fit stock mounting bracket in all Yamaha watercraft these fuel filters also serve as a water separator protecting the motor from water damage

Description	Part No.
OE Replacement Filter (all except 66V/E)	<b>RY-0501</b>
OE Replacement Filter 66V/E	<b>RY-0502</b>



### Recommended Main Jets:

Stock Carbs for 1200 (66V) 105  
 Novi Carbs for 1200 (66V) 100-120  
 Novi Carbs for 701 (61X) 100-120

## RIVA FUEL RETURN LINE RESTRICTOR 1/4" LINE

Designed to improve throttle response and reduce lean conditions in power band, the RIVA Fuel Return Line Restrictor installs into fuel return line between carburetors and fuel tank, restricting fuel return rate, increasing pressure to carburetors. Precision-machined billet restrictor is threaded to accept a Mikuni Main Jet (not included) to match your application. For use with OEM and aftermarket carburetors.



## QUICK DISCONNECT RESTRICTOR

Mikuni main jets thread into the billet part of the restrictor. This kit is used on the return lines of carburetors to fine tune fuel pump pressures.

Description	Part No.
Quick Disconnect Restrictor 1/4"	<b>QD-14</b>

Description	Part No.
Fuel Return Line Restrictor	<b>RY12-RLR-14</b>



2011 ALPE ADRIA CUP JUNIOR CLASS

# HOT PRODUCTS PRIMER KITS



**53-9920 - Single Mikuni Primer Kit Shown**

A cure for hard-starting motors. Draws fuel from the fuel line to give the carburetor a blast of fuel for easy starting. Eliminates chokes and adds to battery life. A must on high-performance modified carburetors with eliminated chokes. Hot Products primers are assembled with top-quality materials and include 9 feet of 1/8" blue primer hose to fit sit down craft. USA made top-quality plunger, brass "T" fittings, spigot, caps and zip ties.

Plunger Primer Kit		Part No.
Mikuni Primer Kit	Single	53-9920
Mikuni Primer Kit	Dual	53-9928
Mikuni Primer Kit	Triple	53-9922
Keihin Primer Kit	Single	53-9925
Keihin Primer Kit	Dual	53-9929
Keihin Primer Kit	Triple	53-9924

## HOT PRODUCTS PRIMER KIT BREAKDOWN BY PART NUMBER AND QUANTITY PER ITEM

Primer Kit Part No.	Item Description Item Part No.	Plunger Primer 53-9910A	Primer Line 53-9980	1/4x1/4x1/8 "T" 64-0017	1/8x1/8x1/8 "T" 64-0015	Mikuni Fittings 53-9921	Keihin Fittings 53-9926	Zip Ties See Pg. 234
53-9920	MIKUNI SINGLE	1	9FT	1	0	1	0	3
53-9928	MIKUNI DUAL	1	9FT	1	1	2	0	6
53-9922	MIKUNI TRIPLE	1	9FT	1	2	3	0	6
53-9925	KEIHIN SINGLE	1	9FT	1	0	0	1	3
53-9929	KEIHIN DUAL	1	9FT	1	1	0	2	6
53-9924	KEIHIN TRIPLE	1	9FT	1	2	0	3	6

## HOT PRODUCTS PRIMER KIT REPAIR PARTS



**53-9915 Button Primer**

**53-9910A Plunger Primer**

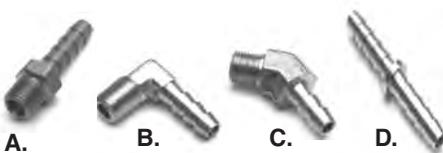


**Spigot & Plug Kit**

**Brass T Fitting**

Primer Kit Parts Only	Part No.
G. Mikuni Brass Spigot & Plug Kit	53-9921
Mikuni Brass Plug Only	53-9921B
H. Keihin Brass Spigot & Plug Kit	53-9926
Keihin Brass Plug Only	53-9926B
I. Brass T for Dual 1/8 x 1/8 x 1/8	64-0015
J. Brass T for Primer 1/4 x 1/4 x 1/8	64-0017
Primer Line 1/8" (Sold per foot) <i>Color Blue</i>	53-9980

Primer Kit Parts Only	Part No.
Plunger Primer Only	53-9910A
Button Primer Only	53-9915



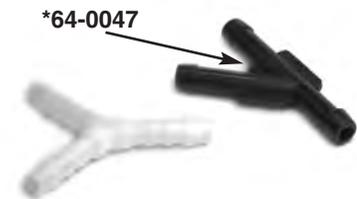
### 1/4" HOSE BRASS FITTINGS

Description	Part No.
A. Straight: 1/8" Thread 1/4" Hose	64-0001
B. 90 Deg: 1/8" Thread 1/4" Hose	64-0010
C. 45 Deg: 1/8" Thread 1/4" Hose	64-0065
D. Barb Connector 1/4" I.D.-1/4" I.D.	64-0057



### PRESS IN NIPPLE

Description	Part No.
1/8" Straight	53-9936
1/4" Straight	53-9937



### PLASTIC "Y" FITTINGS

Description	Part No.
1/4" X 1/4" X 1/4" (White)	64-0046
1/4" X 1/4" X 1/4" (Black)*	64-0047

\*Reinforced with Crossbar



## 1/4" FUEL LINE & 1/8" PRIMER LINE

Our fuel and primer line is made from a thick walled polyurethane tubing. Both the fuel and primer line is clear blue. Sold per foot or 25 feet packages.

Description	Part No.
Fuel (1/4") per foot	53-9970
Fuel (1/4") - 25 foot package	53-9970-25
Primer Line (1/8") per foot	53-9980
Primer Line (1/8") per foot - 25 foot package	53-9980-25



## FUEL LINE Q/D W/SHUT-OFF VALVE for 1/4" fuel line

Description	Part No.
Fuel Line Q/D w/Shut-off Valve	53-9951



## HOSE PINCHER

Clamps and holds hoses up to 3/4" inside diameter. Angled jaws close to create a complete seal every time. Jaws are offset for hard-to-reach areas. The handles lock firmly to hold the jaws in closed position.

Description	Part No.
Hose Pinchers	LS23000

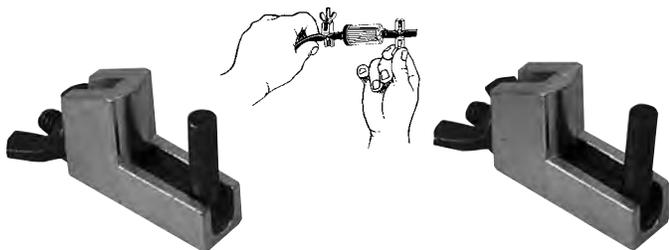


## MOTION PRO LOW PERMEATION PREMIUM FUEL LINE

Motion Pro's new "low permeation" fuel line meets the 2008 C.A.R.B. and EPA fuel line permeation standards for PWC's, ATV's, motorcycles, Snowmobiles and small engines.

- Gray color
- Available in 1/4" ID
- Flexible and kink resistant

Description	Part No.
Fuel Line 1/4" (6mm) ID, 3/8" (10mm) OD, 25' rolls	12-0068



## HOSE PINCHERS

Quick, easy way to pinch off fuel lines, etc, without damaging the fuel line. Sold two per set.

Description	Part No.
Hose Pinchers	LS22850



## HOSE SHEARS

Simply Scissor-action cutter for hose. Cuts clean, straight and no damaged hose ends. A must have tool for every toolbox.

Description	Part No.
Hose Shears	12-0013

## Fast, Easy, Strong and Secure Installation



Pincer Tool Part # 12-0024

## SQUEEZE ON STAINLESS STEEL LOW PROFILE CLAMPS

Oetiker Stepless Ear Clamps, due to the reinforcing 'dimple' in the ear, hold against pressure and vibration or hose shrinkage due to temperature changes. A built-in spring action permits the clamp to "breathe" without loosening, the need to retighten is eliminated. Once installed,

## Fast & Easy Removal

any tampering is easily visible, making this an excellent clamp for service or security applications.

Description	Clamp Size	Part No.
Pincer Tool	-	12-0024
Clamp for 1/4" Fuel Line Hose (10/pack)	-	59-4014
Clamp for 1/4" Fuel Injector Hose (10/pack)	9/16	59-4016
Clamp for 3/8" Water Line (10/pack)	11/16	59-4017
Clamp for 1/2" Water Line (10/pack)	13/16	59-4018

100 Clamp Packs	Clamp Size	Part No.
Clamp for 1/4" Fuel Line Hose (100/pack)	-	59-4014-100
Clamp for 1/4" Fuel Injector Hose (100/pack)	9/16	59-4016-100
Clamp for 3/8" Water Line (100/pack)	11/16	59-4017-100
Clamp for 1/2" Water Line (100/pack)	13/16	59-4018-100

FOUR  
STROKE

INTAKE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGE

STEERING  
& CONTROLS

BODY

ACCESSORIES  
& TOOLS

SERVICE TOOLS  
/HARDWARE

CHEMICAL



# Carbon Tech



FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL

## Sea Doo

CC	Model	Year	Performance Info	Part No.
951	All 951 models	97-06	Better mid & tpend for stock, limited and superstock motors: +4hp midrange,+2 top 206HT Highly modified motors for topend only	206SS or 206HT

## Yamaha

CC	Model	Year	Performance Info	Part No.
650	All 650 models	89-96	Smother powerband	223LT
701	Wave blaster	93-95	225LT Stock cylinder, single carb.	225LT
with	Superjet	94-95		
61X	FXI	94-95		or
CASE	PROVXR	93-94	225M Ported motors, single carb.	225M
	Waverunner III	94-95,97	225SS Ported motors, dual carbs	225SS
	Waveraider	96-97		
701	Waveraider	94-95		
with	Waveblaster	96	202LT +3HP in midrange: for limited and stock motors	202LT
62T	Superjet	96-09		
CASE	Wave Venture	95-98		
	XL 700	99-04		
760	All 760 Models	96-00	202LT +3 HP in mid, +2HP top end for limited and non-ported rec boats	202LT
800	GP800	98-00	Better midrange & topend for stock	266HT
	GP800R	01-05	Limited & superstock motors: Gives 100 RPM=1 MPH	
	XL/XLT 800	00-04	(tested by Pro-Tec)	
1100	All 1100 models	95-97	Better midrange	302LT
1131	GP1200	97-99	*+3 HP mid to top: limited racing	338LT
	XL1200	98-99		
	SUV1200	99-04	Top end: only choice for fuel Ing.	338HT
1176	XL1200ltd	99-00	Stock motors, single pipe motors	366HT
	XLT1200	01-05		
	GP1200R	00-02	Single pipe, limited triple pipe	366SS
1296	GP1300R	03-08	Stock motors, single pipe motors	366HT
			Single pipe, limited triple pipe	366SS

## Kawasaki

CC	Model	Year	Performance Info	Part No.
550	ALL 550	91-95	Smother powerband	239LT
650	ALL 650	86-96	Improved low to midrange	212LT
743	ALL 750	92-02	Better low & mid: stock & limiteds	238LT
			Superstock & ported motors	238SS
			High RPM, stroked or fuel injected	238HT
782	800 Motor	03-09	Better low & mid: stock & limiteds	238LT
			Superstock & ported motors	238SS
			High RPM stroked or fuel injected	238HT
891	ALL 900 MOTORS	95-06	Better midrange and bottom end	338LT
1071	ALL 1100 MOTORS	96-04	Better low & mid: stock & limiteds	338LT
			High RPM, stroked or fuel injected	338HT
1176	Ultra 150	99-05		338LT
	1200STXR	04-05		338HT



## RAD VALVES FOR YAMAHA WATERCRAFT

Fits Yamaha Engines: 701(62T) (94-08),  
760(64X), 1100(63M) and 1200(65U)



Yamaha	Rad Valve	Replacement Rad Reed
RIVA or R&D	RAD-131R*	PRO-131R
Twin or Triple Intake Manifold		

\* Order one set per cylinder, 2 valves for twin, 3 valves for triple cylinders.

# Boyesen



## BOYESEN POWER REEDS

- The unique dual-petal design
- Quicker acceleration, throttle response and speed.
- Dual-flex epoxy fiber material for maximum longevity and reliability.

Yamaha	Part No.
500 All	022
650 Super Jet	023
650 Wave Runner (All)	023
701 Wave Raider (All)	024
701 FX1 (94-95)	024
701 Pro-VXR (93-94)	024
701 Super Jet (94-95)	024
Wave Blaster (93-95)	024
Wave Raider (Single Carb) (96)	024
Wave Runner III (94-97)	024
701 Super Jet (96-12)	026
Wave Blaster (96)	026
Wave Raider (94-96)	026
Wave Raider DLX (95-96)	026
Wave Runner XL (99-04)	026
Wave Venture (95-98)	026
GP760(97-00), 760 Waves All (95-99)	029
1100 All (95-97)	028
GP1200(97-99), SUV1200(99-04)	033
XL1200(98)	033

Kawasaki	Part No.
550SX (91-95)	014
650SX/X2/SC/SS/ST/TS (All)	012
750SX/SXI/SXI-Pro (All)	013
750SS/STS/XI/ZXI (All)	013
800 SX-R (03-12)	013
900ZXI (-97), STX (97-01), STS (01)	020
1100ZXI/STX (96-03)	021
Ultra 130 (01-04)	036
STX-R 1200 (02-05), Ultra 150 (99-05)	021

Polaris	Part No.
650 All (92-95)	016
SL750 (93-95), SLT750 (94-95)	016
SL780 (96-97), SLT780 (96-97)	016
SLT780 (96-97), SLX780 (96)	016
SLX785 Pro (97-01)	016
700 All (-02)	013
Octane (02-04)	013
800 DI (02-04)	013
Hurricane (96-97)	013



## BOYESEN PRO SERIES REEDS

- Quicker acceleration for that all important holeshot.
- Crisper mid-range allowing you to pull that extra boat length.
- Carries RPMs further past peak allowing you to run that steeper pitched impeller for increased top end.
- Easy starting and smoother idling for those dreaded no-wake zones.
- Increased life over traditional carbon fiber reeds.

Yamaha	Stock/Limited	Hi-Performance
700 Wave Raider (All)	—	PRO-35
701 FX1 (94-95)	—	PRO-35
701 Pro-VXR (93-94)	—	PRO-35
701 Super Jet (94-95)	—	PRO-35
701 Super Jet (96-12)	PRO-36	PRO-37
Wave Blaster (93-95)	PRO-36	PRO-37
Wave Blaster (96)	PRO-36	PRO-37
Wave Raider (94-96)	PRO-36	PRO-37
Wave Raider, Single Carb (96)	—	PRO-35
Wave Raider DLX (95-96)	PRO-36	PRO-37
Wave Runner III (94-97)	—	PRO-35
Wave Runner XL (99-04)	PRO-36	PRO-37
Wave Venture (95-98)	PRO-36	PRO-37
GP760 (97-00)	PRO-38	PRO-39
760 Waves All (96-99)	PRO-38	PRO-39
1100 All (95-97)	PRO-40	—
GP1200 (97-99), GP1200R (99)	PRO-77	PRO-78
SUV1200 (99-04), XL1200 (98)	PRO-77	PRO-78

Kawasaki	Stock/Limited	Hi-Performance
750 All	PRO-24	PRO-25
800 SX-R (03-12)	PRO-24	PRO-25
900 All (-96)	PRO-76	—
1100 All (96-03)	PRO-57	—
Ultra 150/STX-R1200 (99-05)	PRO-57	—

Polaris	Stock/Limited	Hi-Performance
700 All (thru 04)	PRO-26	PRO-27
Octane (02-04)	PRO-26	PRO-27
750 All (93-95)	—	PRO-29
780 All (98-97)	—	PRO-31
785 SLX Pro (97-01)	—	PRO-31

# Boyesen



## BOYESEN REED VALVE STUFFER KIT

Kit includes a complete engine set of Boyesen 3D Reed Valve Stuffers and Boyesen PRO Series reeds.

Yamaha	Part No.
Reed Valve Stuffer Kit GP1200R (00-02), XL/XLT 1200 (99-05), GP1300R (03-08)	RSK-306
Replacement Reed *Must use with Boyesen Stuffer	PRO-128



## MOTO TASSINARI VFORCE3 THE FEATURES AND BENEFITS OF VFORCE TECHNOLOGY

The VForce3 Reed Valve System incorporates features you won't find with other system on the market. With such features as twice the reed tip surface, radius cage surface, snap-together construction, proprietary carbon fiber recipes and more. By doubling the reed tip surface the petals now only need to open half as far to have the same flow as a stock style cage. This is a significant advantage when you factor in that a reed petal opens and closes 133 times per second at 8,000 rpm. The petals are only traveling half the distance of a stock style cage, so now fatigue to the petal has been greatly reduced, increasing petal life. This design also enables the valve to drastically improve the entire powerband with a significant boost in the bottom and mid. Instant throttle response is an understatement! The petals now sit on a radius surface to create a "pre-loading" effect that improves an already snappy acceleration. Our new cage design now allows the reed petal tips to be recessed into the cage itself. This allows for a cushioning of the reed tips and also discourages the possibility of any back-flow.

### SYMMETRICAL REED PETALS:

The VForce3 now uses symmetrical reed petals for both the inner and outer reed petals. No longer will you need to be concerned with having both "inner" and "outer" reed petals.

### SNAP-TOGETHER CONSTRUCTION:

The VForce3 Reed Valve System incorporates the industry's first and only patented snap together reed valve design. The entire assembly is completely screw free, meaning that when reed petals need changing the job is now literally a "SNAP".

### CUSTOM AIR-GUIDES:

Custom air guides specific to each individual application ensure the maximum airflow and performance benefits of the VForce3 reed valve system in your pwc.

### PROPRIETARY CARBON LAY-UP:

Moto Tassinari continues to test and develop new "recipes" for our carbon fiber used in the VForce3 Reed Valve system. In fact Moto Tassinari specs our own exclusive recipes for all the carbon



fiber we use, you can be assured you'll never get "generic" carbon fiber designed for somebody and something else, when you buy VForce.

### TWICE THE REED TIP SURFACE:

The unique and proven design of the VForce3 Reed Valve System doubles the available reed tip surface over a conventional reed valve design. By doubling the effective reed tip surface it enables the engine to get more air with less effort. The number one rule in two-stroke motor modification is More Air = More Horsepower.

### AIRFOIL TECHNOLOGY:

The new reed cage design on the VForce3 Reed Valve system incorporates airfoil shaped (flat on bottom/curved on top) reed tip surfaces which in turn increases the velocity of the fuel/air mixture as it passes through and over, creating the optimum fuel atomization.

Yamaha	VForce 3	Repl. VForce 3 Pedal	Repl. VForce 3 Gasket
All Yam Triples*	<b>V3140-794-3</b>	<b>3P794A</b>	<b>G3140**</b>
All Yam Twins*	<b>V3140-794-2</b>	<b>3P794A</b>	<b>G3140**</b>

\*Not compatible for older WaveBlasters and GPR (Power valve cylinders) applications.

\*\*Gaskets are sold individually.

Kawasaki	VForce 3	Repl. VForce 3 Pedal	Repl. VForce 3 Gasket
All Kaw Triples	<b>V3150-794-3</b>	<b>3P794A</b>	<b>G3150**</b>
All Kaw Twins	<b>V3150-794-2</b>	<b>3P794A</b>	<b>G3150**</b>

\*\*Gaskets are sold individually.

Polaris	VForce 3	Repl. VForce 3 Pedal	Repl. VForce 3 Gasket
Octane 777	<b>V3130-794A-2</b>	<b>3P794A</b>	—

\*\*Gaskets are sold individually.



## VFORCE DELTA 2



Sea Doo	VForce Delta 2	Delta 2 Repl. Pedal	Delta 1 Repl. Pedal (97-99)	Repl. Gasket
GSX/GTX/XP 951	<b>V2W121-2</b>	<b>2P127-1</b>	<b>DP120-1</b>	<b>6755**</b>

Polaris	VForce Delta 2	Delta 2 Repl. Pedal	Delta 1 Repl. Pedal (97-99)	Repl. Gasket
SL650,SL/SLT750	<b>V2W131-3</b>	<b>2P117-1</b>	-----	<b>4050**</b>
SLX780/785 Pro	<b>V2W131-3</b>	<b>2P117-1</b>	-----	<b>4050**</b>
SL900/SLTX1050	<b>V2W132-3</b>	<b>2P117-1</b>	-----	<b>4050**</b>

Yamaha	VForce Delta 2	Delta 2 Repl. Pedal	Delta 1 Repl. Pedal (97-99)	Repl. Gasket
All Yamaha Triples	<b>V2W140-3</b>	<b>2P127-1</b>	<b>DP120-1</b>	<b>4430**</b>
All Yamaha Twins***	<b>V2W140-2</b>	<b>2P127-1</b>	<b>DP120-1</b>	<b>2830**</b>

\*\*\*Except older Blasters

Kawasaki	VForce Delta 2	Delta 2 Repl. Pedal	Delta 1 Repl. Pedal (97-99)	Repl. Gasket
All Kawasaki Triples	<b>V2W150-3</b>	<b>2P127-1</b>	<b>DP120-1</b>	<b>MT6150**</b>
All Kawasaki Twins	<b>V2W150-2</b>	<b>2P127-1</b>	<b>DP120-1</b>	<b>MT6150**</b>

\*\*Gaskets are sold individually.

• Sold as complete kit per engine.

# ROTARY VALVE PARTS



## ROTARY VALVE TIMING WHEEL

<b>Sea Doo</b>	<b>Part No.</b>
Hot Products Rotary Valve Timing Wheel	012-170



## ROTARY SHAFT PULLER

Special rotary shaft puller tool for Sea Doo PWC.  
Fits: Most 580cc, 650cc, 720cc, and 800cc Sea Doo engines.  
(6mm thru bolt included)  
*\*Lubrication of all areas is required before using this tool*

<b>Sea Doo</b>	<b>Part No.</b>
Rotary Shaft Puller	B-204

# SEA DOO ROTARY VALVE SHAFT AND PARTS

Descriptions	OEM#	Part No.
<b>A.</b> Rotary Valve Shaft 580/650/720	293-837-251	010-455
<b>B.</b> Rotary Valve Shaft 800	290-837-351	010-457
<b>C.</b> Rotary Valve Shaft Gear only (14 teeth) 580/650/720/800 (89-up)	420-935-735	010-450
<b>D.</b> Rotary Cover O-Ring 580/650/720	293-300-023	6250
<b>E.</b> Rotary Cover Manifold O-Ring 800	290-831-765	6628
<b>F.</b> Rotary Shaft O-Ring 580/650/720/800	293-300-024	6260
<b>G.</b> Rotary Shaft Oil Seal 580/650/720/800	290-930-580	009-779
<b>H.</b> Rotary Shaft Bearing 580/650/720/800	290-932-032 290-932-797	010-225 010-226

Descriptions	OEM#	Part No.
<b>I.</b> Rotary Shaft Spring 580/650/720/800	290-938-810	010-453
<b>J.</b> Rotary Shaft Snap Ring - Large 580/650/720/800	290-845-260	010-483
<b>K.</b> Rotary Shaft Snap Ring - Small 580/650/720/800	290-932-032	010-482
<b>L.</b> Rotary Shaft C-Clips 580/650/720/800	290-845-160	010-454
<b>M.</b> Rotary Spring Holder 580/650/720/800	420-827-430	010-484-01
<b>N.</b> Rotary Bearing Washer 580/650/720/800	420-227-439	010-459
<b>O.</b> Rotary Shaft Barrel 580/650/720/800	290-847-282	010-484

## WSP PERFORMANCE PARTS STAINLESS STEEL ROTARY VALVES



Model	Year	Opening Duration	Part No.
580 All	94-96	147°	006-147
650 All	94-95	159°	006-159
720	95-02	159°	006-159
785	95-02	159°	006-159



SUTIWAS "SAM" CHAISIRIVICHIEAN  
MOTOR FIELD THAILAND • 2010 KING'S CUP

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES SERVICE TOOLS /HARDWARE  
CHEMICAL



# RACING FLAME ARRESTORS (without Cotton Media)

Experience increased horsepower and engine protection with K&N Personal Watercraft flame arrestors for both normal and race applications. K&N "RACING ONLY" flame arrestors have an epoxied screen filter that does not have the cotton media.

K&N flame arrestors replace the restrictive factory airbox. In most cases an adapter is required (for adapters see pages 30 & 31) to mount the flame arrestor onto the carburetor. Some watercraft may require a slight adjustment to the carburetor's fuel circuits to allow for optimum performance.

## 4" Tall



**59-2040R**  
STAINLESS TOP



**59-2040RK**  
COMPOSITE TOP

Height	Top Color	Part No.
4"	Black Composite	<b>59-2040RK</b>
4"	Stainless Steel	<b>59-2040R</b>
Outerwears Water Repellent Pre-Filter		<b>WR145-10-4DT</b>

## 2-1/2" Tall



**59-2042R**  
CHROME TOP



**59-2042RK**  
COMPOSITE TOP

Height	Top Color	Part No.
2-1/2"	Black Composite	<b>59-2042RK</b>
2-1/2"	Chrome	<b>59-2042R</b>
Outerwears Water Repellent Pre-Filter		<b>WR145-115-25DT</b>

# Outerwears Racing Accessories

The Outerwears Pre-filter is an excellent solution to prevent water from entering into the engine without restricting air flow or causing a loss in performance. An Outerwears Pre-Filter is designed to be water repellent and will reduce the risk of water entering through an air intake system. Outerwears offers water repellent pre-filters for K&N, Tau Ceti, ProK and R&D performance air filters and flame arrestors.



G.

## 2-3/4" Tall



Height	Top Color	Part No.
2-3/4"	Black Composite	<b>59-2046</b>
Water Repellent Pre-Filter		<b>WR125-2DT</b>



A.

B.

C.

D.

E.

F.

Description	Flame Arrestor Type	Part No.
A. 4.25" x 3" Taper/4" Tall	K&N 59-2040R/RK	<b>WR145-10-4DT</b>
B. 4.25" x 3.5" Taper/2.5" Tall	K&N 59-2042R/RK	<b>WR145-115-25DT</b>
C. 4" dia/1.75" Tall	Tau Ceti 53-4270	<b>WR125-15DT</b>
D. 4" dia/2.25" Tall	Tau Ceti 53-4272. ProK	<b>WR125-2DT</b>
E. 4" dia/2.25" Tall (Open Top)	Tau Ceti 53-4272. ProK	<b>WR125-225</b>
F. 4" x 3" Taper/3.5" Tall	Tau Ceti 53-4275	<b>WR125-10-35DT</b>
G. Pro-Lock SD951/2.5" Tall	R&D 203-9500	<b>WR30-25DTPRO</b>



2011 BLOWSION SURF SLAM  
PACIFIC CITY, OREGON

# Hot Products

## HOT PRODUCTS TORNADO SERIES FILTERS

by Tau Ceti



Description	Filter Top Color	Part No.
Hot Products Round Filter 2"	Silver	53-4273-SIL
Hot Products Round Filter 2"	Black	53-4273-BLK
Hot Products Round Filter 2"	Red	53-4273-RED
Outerwears Water Repellent Pre-Filter Clear Top	----	20-2760-01/HOTP

The all new Hot Products Tornado Series Filters by Tau Ceti is the newest performance filter available for the pwc performance industry. The new Tornado Series Filters feature a velocity cone with proprietary designed air channels to increase the air flow into the induction system. These filters are made using the same top quality materials as the Tau Ceti Pro Series Filters. The velocity cone is clear/smoke color and the filter top features an aluminum filter top ring.

The universal rubber mount will fit any personal watercraft with a stock carburetor using the appropriate adapter (for adapters see pages 120 & 121). No re-jetting is necessary on stock boats. Each filter includes a stainless steel filter clamp for installation.

**See page 93 for Tau Ceti color images.**

Description	Filter Top Color	Part No.
Hot Products Round Filter 2 1/2"	Silver	53-4274-SIL
Hot Products Round Filter 2 1/2"	Black	53-4274-BLK
Hot Products Round Filter 2 1/2"	Blue	53-4274-BLU
Hot Products Round Filter 2 1/2"	Green	53-4274-GRN
Hot Products Round Filter 2 1/2"	Red	53-4274-RED
Tau Ceti Water Repellent Pre-Filter	Black	PFTCP-25
Outerwears Water Repellent Pre-Filter Clear Top	----	20-2761-01/HOTP



Description	Filter Top Color	Part No.
Hot Products Round Filter 1.5"	Silver	53-4271-SIL
Hot Products Round Filter 1.5"	Black	53-4271-BLK
Outerwears Water Repellent Pre-Filter Clear Top	----	20-2762-01/HOTP



## OUTERWEARS WATER REPELLENT PRE-FILTERS

These new Outerwears Pre-Filters are specially designed for Hot Products Tornado Series Filters and feature a clear top, with black water repellent material.

Description	Part No.
Pre-Filter for 53-4274 2-1/2" Tall Filters	20-2761-01/HOTP
Pre-Filter for 53-4273 2" Tall Filters	20-2760-01/HOTP
Pre-Filter for 53-4271 1-1/2" Tall Filters	20-2762-01/HOTP

FOUR STROKE

INTAKE SYSTEMS

ENGINE/GASKETS

EXHAUST

DRIVE LINE HANDLING

ELECTRICAL

WATERLINE /BILGE

STEERING & CONTROLS

BODY

ACCESSORIES

SERVICE TOOLS /HARDWARE

CHEMICAL



# K&N FILTER APPLICATIONS

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL

SEA DOO	Stock Carb Type & Quantity	Race K&N P#	Regular K&N P#	Adapter P#
580GTX 92-94	2/38M	59-2040RK	59-2910	53-4460
580GT 89-96	1/38M	59-2042RK	59-2010	53-4460
580GTS 93-96	1/38M	59-2042RK	59-2010	53-4460
580SP 88-96	1/38M	59-2042RK	59-2010	53-4460
580SPX 92-94	2/38M	59-2042RK	59-2910	53-4460
580 SPI 88-96	1/38M	59-2042RK	59-2010	53-4460
650XP 94	2/40M"1"	59-2042RK		53-4465
650XP 90-93	2/40M"1"	59-2042RK		53-4465
650GTX 95	2/40M"1"	59-2040RK		53-4465
650SPX 95	2/40M"1"	59-2042RK		53-4465
720XP 95	2/40M"1"	59-2042RK		53-4465
720GTI 97-99	1/40M"1"	59-2040RK		53-4465
720GTI 96	2/40M"1"	59-2040RK		53-4465
720GTS 97-00	1/40M"1"	59-2042RK	59-2010	53-4465
720SP 97	1/40M"1"	59-2042RK	59-2010	53-4465
720SPX 96	2/40M"1"	59-2042RK		53-4465
720HX95-97	2/40M"1"	59-2040RK	59-2010	53-4465
720GS 97-00	1/40M"1"	59-2040RK	59-2010	53-4465
720GSI 97	1/40M"1"	59-2040RK		53-4465
800GTX 96-97	2/40M"1"	59-2040RK		53-4465
800GSX 96-97	2/40M"1"	59-2040RK		53-4465
800XP 95-97	2/40M"1"	59-2042RK		53-4465
800SPX 97-99	2/40M"1"	59-2042RK		53-4465
950GSX LTD 97-99	2/46M"1"	59-2042RK		not required
950XP LTD 98-00	2/46M"1"	59-2042RK		not required
950GTX LTD 98-99	2/46M"1"	59-2042RK		not required
<b>YAMAHA</b>				
W/Jammer 500 88-89	1/38M	59-2042RK	59-2000	53-4460
W/Runner 500 88-89	1/38M	59-2042RK	59-2000	53-4460
W/runner 650 90-95	1/44M	59-2042RK	59-2000	53-4480
W/Runner III 650 90-95	1/44M		59-2020	Not Available
VXR 650 91-95	1/44M		59-2020	Not Available
Super Jet 650 90-93	1/44M	59-2042RK	59-2000	53-4480
W/Raider 701 94-95	2/38M	59-2040RK		53-4462
W/Raider 70196-97	1/44M	59-2040RK		53-4482
W/Venture 701 95-98	2/38M	59-2040RK		53-4462
W/Blaster 701 96-97	2/38M	59-2042RK		53-4462
W/blaster 701 93-95	1/44M		59-2020	Not Available
Super Jet 701 94-95	1/44M	59-2042RK	59-2000	53-4480
Super Jet 701 96-09	2/38M	59-2042RK		53-4460
FX1 701 94-95	1/44M	59-2042RK	59-2000	53-4480
XL700 95-00	2/38M	59-2042RK		53-4462
GP760 97-00	2/44M	59-2040RK		53-4480
XL760 98-99	2/44M	59-2040RK		53-4482
W/Raider 760 96	2/44M	59-2040RK		53-4482
W/blaster II 760 96-97	2/44M	59-2040RK		53-4480
W/Venture 760 96-98	2/44M	59-2040RK		53-4480
GP800 98-00	2/44M	59-2044R		53-4466
W/Raider 1100 95-06	3/38M	59-2040RK		53-4462
W/Venture 1100 96-98	3/38M	59-2040RK		53-4462
XL1200 98	3/44M	59-2040RK		53-4480
GP1200 97-99	3/44M	59-2040RK		53-4480
GP1200R 00	3/44M	59-2044R		53-4466
<b>KAWASAKI</b>				
JS300 86-91	1/38M	59-2042RK	59-2000	53-4460
JS400 74-76	1/38M	59-2042RK	59-2000	53-4460
JS440 77-90	1/38M	59-2042RK	59-2000	53-4460
JS440 91-92	1/42K	59-2042RK	59-2000	53-4440
JS550 82-85	1/38M	59-2042RK	59-2000	53-4460
JS550 86-90	1/44M	59-2042RK	59-2000	53-4480

KAWASAKI	Stock Carb Type & Quantity	Race K&N P#	Regular K&N P#	Adapter P#
JS550SX 91-95	1/42K	59-2042RK	59-2000	53-4440
650X2 89-94	1/28K	59-2042RK	59-2015	Not Available
JS650SX 89-94	1/28K	59-2042RK	59-2000	Not Available
650TS 89-96	1/38K	59-2042RK		53-4440
650SC 90-95	1/38K	59-2042RK	59-2000	53-4440
750SX 92-95	1/40K	59-2042RK	59-2860	53-4440
750SXI 95	1/38K	59-2042RK		53-4450
750SXI 96-97	2/40M"1"	59-2042RK		53-4465
750SXI PRO 98-00	2/40M"1"	59-2042RK		53-4465
750SS 92-98	1/40K	59-2042RK	59-2860	53-4440
750XI 93-97	2/40K	59-2042RK		53-4440
750XIR 94	2/40K	59-2042RK		53-4440
750ST 94-95	1/40K	59-2042RK	59-2860	53-4440
750STS 95-97	2/38K	59-2042RK		53-4450
750ZXI 95-98	2/38K	59-2042RK		53-4450
800SX-R 03-09	2/40M"1"	59-2042RK		53-4465
900ZXI 95-97	3/38K	59-2040RK		53-4450
900STX 97-99	3/38K	59-2040RK		53-4450
1100ZXI 96-97	3/38K	59-2040RK		53-4450
1100STX 97-99	3/38K CDCV	59-2040RK		Not Available
ULTRA150 99-00	3/40K CDCV	59-2040RK		Not Available
<b>POLARIS</b>				
SL650 92-95	3/38M	59-2042RK		53-4460
HURRICANE700 96-97	2/38K	59-2042RK		53-4440
SL/SLT700 96-97	2/38K	59-2042RK		53-4440
SLH700 98-00	2/38K	59-2042RK		53-4440
SL/SLT750 93-95	3/38M	59-2042RK		53-4460
SL/SLT780 96-97	3/38M	59-2042RK		53-4460
SLX780 95-96	3/38M	59-2042RK		53-4460
SLXPRO785 97-00	3/44M	59-2042RK		53-4480
SL900 96-97	3/38K	59-2042RK		53-4440
SL/SLTX1050 96-00	3/38K	59-2042RK		53-4440
SLXH1050 98-99	3/38K	59-2042RK		53-4440
Genesis 99-00	3/38K	59-2042RK		53-4440
1200 PRO 00	3/38K	59-2042RK		53-4440
Virage/TX 00	3/38K	59-2042RK		53-4440
<b>TIGER SHARK</b>				
Daytona650 92-93	1/46M	59-2042RK		53-4490
Daytona650 95	2/38M	59-2042RK		53-4460
MonteCarlo650 94-95	1/46M	59-2042RK		53-4490
MonteCarlo650 96	1/44M	59-2042RK		53-4480
MonteCarlo650 97	1/40M"1"	59-2042RK		53-4465
Montego650 94-96	1/44M	59-2042RK		53-4480
Montego650 97	1/40M"1"	59-2042RK		53-4465
Barracuda650 93-95	1/46M	59-2042RK		53-4490
Daytona770 96-97	2/40M"1"	59-2042RK		53-4465
MonteCarlo770 96-97	2/40M"1"	59-2042RK		53-4465
MonteCarlo900 95	3/44M	59-2042RK		53-4480
MonteCarlo900 96	3/40M"1"	59-2042RK		53-4465
Daytona1000 97-98	3/40M"1"	59-2042RK		53-4465
MonteCarlo1000 97-98	3/40M"1"	59-2042RK		53-4465
TS640 98-99	1/38M	59-2042RK		53-4460
TS770 98-99	1/38M	59-2042RK		53-4460
TS770R 98-99	2/38M	59-2042RK		53-4460
TS770L 98	2/38M	59-2042RK		53-4460
TS770L 99	1/38M	59-2042RK		53-4460
TS1000 98	3/40M"1"	59-2042RK		53-4465
TS1000L 98	3/40M"1"	59-2042RK		53-4465
TS1100R	3/40M"1"	59-2042RK		53-4465



2012 IJSBA Hot Products  
MARK HAHN MEMORIAL  
HAVASU 300 ENDURANCE RACE IN  
LAKE HAVASU CITY, ARIZONA  
AWARDS CEREMONY

# HOT PRODUCTS ALUMINUM AIR FILTER ADAPTERS FOR MIKUNI CARBURETORS. SOLD INDIVIDUALLY.



Mikuni		Part No.
38mm	38mm Bore	<b>53-4460</b>
44mm	46mm Bore	<b>53-4480</b>
46mm	48mm Bore	<b>53-4490</b>



Mikuni	Part No.
OEM 40mm "I" Series (48mm Bore)	<b>53-4465</b>
Sea Doo HX/XP, K750 SXI 96-02, K800SX-R 03-12	



Mikuni	Part No.
OEM Carb Yamaha	<b>53-4466</b>
GPR Series (57mm Bore)	



**OIL INJECTION SPACER PLATES**

Description	Part No.
Mikuni 44mm	<b>53-4485</b>
Mikuni 46mm	<b>53-4495</b>
Press in Nipple (1/8") only	<b>53-9936</b>



For Oil Injection

Mikuni	Part No.
38mm	<b>53-4462</b>
with oil injection fitting	

## HOT PRODUCTS ALUMINUM AIR FILTER ADAPTERS FOR KEIHIN CARBURETORS

**ALL ADAPTERS SOLD INDIVIDUALLY**



Keihin	Part No.
38/40/42mm (50mm Bore)	<b>53-4440</b>



Keihin	Part No.
OEM Carb (44mm Bore)	<b>53-4450</b>
K750 SXI-95, 750ZXI, K900/1100ZXI	



## REPLACEMENT THROTTLE CABLES

Yamaha	Part No.
500WR '87-'93, 650SJ '90-'93, EUO-U7252-01	<b>05-0226</b>
650 WR/WRIII/LX/WR VXR '90-'96	
701 SJ '90-'95, WR701 '96-'97, W/B701 '93-'95,	
701WRII GP '94-'95,	
701 WR Pro VXR '93-'94, 701 WRII '97	
701 WR DX 95, 701 WV 95-96	<b>002-057</b>
1100 WR 95-96, 1100 WV 96	
Kawasaki	Part No.
440 '77-'86, 550 '82-'86 Shaft End Style Cable	<b>58-3121</b>
54012-3001	

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL

# PERFORMANCE FILTER KITS FOR TWO STROKE MOTORS

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
SERVICE TOOLS ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL



**Kawasaki** **Part No.**  
1200STXR Stock Carb/Stock Pipe **200-01240**



**Kawasaki** **Part No.**  
800SX-R Stock Carb (I Series Adapters Included) **200-00800**  
800SX-R Aftermarket Carb **200-00120**  
120mm center to center (Adapters not included)



**SD 951**  
**#203-95000**

**Sea Doo** **Part No.**  
951 All **203-95000**



**Yamaha** **Part No.**  
GP1300R Stock Fuel Injection **200-13143**  
GP1200R/XLL/XLT1200 **200-00142**



**Ultra 150 #200-00140**

**Kawasaki** **Part No.**  
Ultra 150 1200cc Stock Carbs **200-00140**



## GP 1300R POWER STACK AIR FILTER KIT

The R&D GP 1300R Power Stack Air Filter Kit is designed to assemble on to the front of the OEM air plenum box. The R&D Power stack adds bottom and mid range power performance while increasing engine RPM's.

**Yamaha** **Part No.**  
GP 1300R for Stock Air Box **200-13100**



## RIVA POWER FILTER FOR GP1300R

Power filter fits directly onto OEM air box assembly. Kit comes with water repellent filter.

**Yamaha** **Part No.**  
Flame Arrestor, Power Filter Kit GP1300R (60T) **RY1312**

# PERFORMANCE FILTER KITS FOR FOUR STROKE MOTORS

## FOR ADDITIONAL 4-STROKE PRODUCTS SEE THE FOUR STROKE SECTION



### R&D 12F/15F FLAME ARRESTOR

The R&D filter kit will unleash horsepower trapped in the restrictive stock air box. The exclusive lightweight filter design couples to the OEM throttle body, and is engineered with a large plenum to deliver massive cubic air volume and improved air speed. Kit comes complete with all necessary hardware.

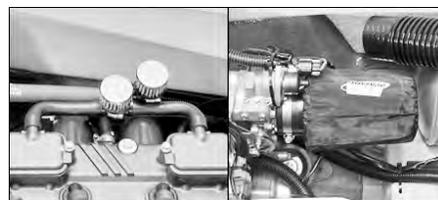
<b>Kawasaki</b>	<b>Part No.</b>
R&D 12F/15F Flame Arrestor (Replacement for R&D #215-15010)	<b>215-15011</b>



### R&D REPLACEMENT PERFORMANCE FILTER

The new R&D Replacement Performance Filter replaces the stock restrictive perforated filter plate and allows for improved airflow. Amounts directly into the stock filter box and retains the OEM look. The improved airflow increases throttle response, RPM, and top speed.

<b>Kawasaki</b>	<b>Part No.</b>
STX-12F/15F	<b>215-15000</b>



### RIVA ULTRA LX/STX-F PERF. POWER FILTER KIT

- Increases airflow and power.
- Installs easily.
- Mounts directly onto stock throttle body.
- Built to our specifications by K&N.
- Includes two smaller K&N filters for engine breather hoses and water repellent pre-filter cover for primary filter.

<b>Kawasaki</b>	<b>Part No.</b>
Ultra LX, STX-F Power Filter	<b>RK13085</b>



### R&D POWER PLENUM FLAME ARRESTER

The R&D High Flow Power Plenum replaces the restrictive stock flame arrester allowing more improved airflow, why? Because more air flow with less restriction means more power!

<b>Yamaha</b>	<b>Part No.</b>
FX 140/Cruiser FX HO/Cruiser	<b>200-00144</b>



### R&D HIGH FLOW POWER PLENUM AIR BREATHER

The R&D High flow breather is a direct replacement for the stock breather in the OEM air box. Water tested to deliver improved throttle response, acceleration and top speed with 50-100 RPM increase.

<b>Yamaha</b>	<b>Part No.</b>
FX 140/Cruiser FX HO/Cruiser	<b>200-00143</b>



### R&D VELOCITY STACK KIT

The R&D Velocity Stack Kit is a direct bolt-on kit that replaces the restrictive OEM stacks. Designed to increase air velocity into the throttle bodies producing improved throttle response and top end speed. Easily installs with OEM hardware.

<b>Yamaha</b>	<b>Part No.</b>
FX 140/Cruiser FX HO/Cruiser	<b>206-00140</b>



### R&D VX110 PERFORMANCE AIR FILTER KIT

The new R&D Performance Air Filter for the VX 110 is now available. The R&D High Flow Filter design replaces the restrictive stock filter inside the stock air box, allowing improved air flow.

<b>Yamaha</b>	<b>Part No.</b>
VX110 for Stock Carb Air Box	<b>200-00110</b>



### R&D VX110 POWER FILTER KIT

Screen-type filter element replaces restrictive stock air filter. Extended intake tube draws cooler air into engine significantly improving performance. Includes pre-filter.

<b>Yamaha</b>	<b>Part No.</b>
VX110 Power Filter Kit	<b>RY13030</b>



2011 IJSBA WORLD FINALS  
VENDOR ALLEY  
LAKE HAVASU CITY, ARIZONA

FOUR STROKE	INTAKE SYSTEMS	ENGINE/GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES	SERVICE TOOLS /HARDWARE	CHEMICAL
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A complete line of motor mounts designed specifically for heavy duty watercraft applications. Monkey Grip Motor Mounts are designed to be stronger than OEM mounts, yet able to dampen and isolate vibration far better than performance mounts currently available. This combination of durability and performance make Monkey Grip the right choice. Monkey Grip Motor Mounts are available for all popular watercraft.\*



**Part No. 57-1172**

Yamaha Wave Blaster	93-96
Yamaha 701FX	94-95
Yamaha Wave Blaster II	96-97



**Part No. 57-1162**

Yamaha 650 Super Jet	All Years
Yamaha 701 Super Jet	All Years

**Part No. 57-1152**

Yamaha Wave Runner 500	All Years
Yamaha 650 VXR	91-95
Yamaha 650LX	91-92
Yamaha 650 Wave Runner III	90-96
Yamaha 701 VXR Pro	93-94
Yamaha 701 Wave Runner	93-00
Yamaha Wave Runner III GP	84-95
Yamaha 701 Pro VXR	93-94
Yamaha Wave Runner III 650	90-96
Yamaha Wave Raider 701	94-97
Yamaha Wave Runner III 701	97
Yamaha XL 701	99-04
Yamaha GP 800	98-00
Yamaha XL 800	00-01
Yamaha XLT 800	02-04
Yamaha GP 1200	97-99
Yamaha XL 1200	98
Yamaha 701 Venture	95-96
Yamaha 760 GP	97-00
Yamaha 701 Wave Raider	96
Yamaha 760 XL	98-99
Yamaha 760 Wave Venture	97
Yamaha Wave Raider 1100	95-96
Yamaha Wave Venture 1100	96-97
Yamaha 1200 SUV	99-04



**Part No. 57-1174**

Yamaha 1200 XL	99-01
Yamaha 1200 XLT	02-05



**Part No. 57-1173**

Yamaha 1200R GPR	00-01
Yamaha 1300 GP	04-08
Yamaha FX 140	02-06
Yamaha FX 1100	04-06
Yamaha VX 1100	05-09
Yamaha FX CRUISER	04-09



**Part No. 57-1196**

Polaris 650 SL	92-95
Polaris 750 SL	93-94
Polaris 780 SL	96-97
Polaris 780 SLT	96-97
Polaris 780 SLX	95-96



**Tiger Shark**

All Models 93-99, 640cc Engine
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**Part No.**

**57-1175**



**Part No. 57-1197**

Polaris 700/900/1050	All
All SMC Hulls	Late Models

**\*Installation Warning-Alert!** When changing the PWC motor mounts you must refer to the PWC Manufacturers Repair Manual for the proper installation instructions and the torque settings. If these instructions and torque setting are not followed properly damage may occur. Hot Products is not responsible for any damages incurred.



**BLOWSION ENGINE KEEPERS  
JOE KENNEY DESIGN**

Kenney Keepers are a must have for any hardcore surf or flat-water invert artist. Each set contains a left and right side front mount retainer and extended stainless hardware for install. Blowision's unique close tolerance design retains the front, "top heavy" weight of the engine block from being flexed or thrown forward during flat out and invert maneuvers. Since this is a common occurrence (even in flat water racing action), they have also been found to be excellent insurance against ever having to replace expensive engine mounts again.

Description	Part No.
Yamaha SJ 96+	01-03-802
Kawasaki 750SX/800SXR	01-03-801



**Part No. 57-1122\***

Kawasaki 400/440/550/550SX	All
Kawasaki 750 XIR	94



**Part No. 57-1142\***

Kawasaki 650	All
Kawasaki 750 (Except ZXI)	All
Kawasaki 800SX-R	03-12



**Part No. 57-1143\***

Kawasaki 750 ZXI	All
Kawasaki 900 ZXI	All
Kawasaki 1100 ZXI	All
Kawasaki Ultra 150 Rear	All
Kawasaki STX 12F	All
Kawasaki STX-R Rear	All
Kawasaki STX 15-F	All
Kawasaki Ultra 250	All
Kawasaki Ultra 260	All
Kawasaki Ultra 300	All



**Part No. 57-1144\***

Kawasaki Ultra 150 Front	All
Kawasaki STX-R Front	All



**ENGINE SHIMS**

Engine shims are essential for precise engine alignment. R&D Engine Shims have a tab that provides easy insertion and removal. Shims are made of stainless steel and have etched numbers to identify thickness.

Description	Thickness	Part No.
Engine Shims	.010"	050-00010*
Engine Shims	.020"	050-00020*
Engine Shims	.050"	050-00050*
Engine Shims	.100"	050-00100*



**Part No. 57-1185\*** (Front - 1 required)

Sea Doo GTI LE RFI	03
Sea Doo GTX RFI	98-02
Sea Doo XP	00-02
Sea Doo XP DI	03-04
Sea Doo XP LTD	98-99



**Part No. 57-1183F\*** (Front - 1 required)

Sea Doo GSX	96-98
Sea Doo GSX LTD	98
Sea Doo GTX	96-97
Sea Doo GTX LTD	98
Sea Doo SPX	97-98
Sea Doo XP	95-97



**Part No. 57-1182\***

Sea Doo 580/650/720	All*
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\* Except 97 720SP



**Part No. 57-1188\*** (Rear - 2 required)

Sea Doo GTI	06-07
Sea Doo GTI RENTAL	06-07
Sea Doo GTI RFI	04-05
Sea Doo GTI LE RFI	04-05
Sea Doo GTI SE	06-07
Sea Doo GTI 4-TEC SE NA	07
Sea Doo GTX 4-TEC	02-07
Sea Doo GTX 4-TEC SC	03-06
Sea Doo GTX 4-TEC SCIC	05
Sea Doo GTX 4-TEC LTD SC	06
Sea Doo GTX 4-TEC LTD SC	03-04
Sea Doo GTX LTD BVIC	07
Sea Doo GTX 4-TEC WAKE	03-07
Sea Doo RXP	05-07
Sea Doo RXP BVIC	07
Sea Doo RXP SC	05
Sea Doo RXT	05-06
Sea Doo BVIC	07



**Part No. 57-1183R\*** (Rear - 2 required)

Sea Doo GSX	96-98
Sea Doo GSX LTD	98-99
Sea Doo GSX RFI	99-00
Sea Doo GTI LE RFI	03
Sea Doo GTX	96-97
Sea Doo GTX	00-02
Sea Doo GTX DI	00-03
Sea Doo GTX LTD	98-99
Sea Doo GTX RFI	98-02
Sea Doo LRV	00-01
Sea Doo LRV DI	02
Sea Doo RX	00-02
Sea Doo RX DI	00-03
Sea Doo RXX	01
Sea Doo SPX	97-99
Sea Doo XP	96-97
Sea Doo XP DI	03-04
Sea Doo XP LTD	98-99



**Part No. 57-1186\*** (Front - 1 required)

Sea Doo GTI RFI	04-05
Sea Doo GTI LE RFI	04-05
Sea Doo 3D RFI	05
Sea Doo GTI	06-07
Sea Doo GTI RENTAL	06-07
Sea Doo GTI SE	06-07



**Part No. 57-1187\*** (Front - 1 required)

Sea Doo GTX 4-TEC	02-07
Sea Doo GTX 4-TEC WAKE	04-07
Sea Doo GTX 4-TEC SC	03-06
Sea Doo GTX 4-TEC LTD SC	03-04
Sea Doo GTX 4-TEC LTD	06
Sea Doo GTX 4-TEC LTD SCIC	05
Sea Doo GTX LTD & WAKE BVIC	07
Sea Doo RXP	05-07
Sea Doo RXP SC	04-06
Sea Doo RXP BVIC	07
Sea Doo RXT	05-06
Sea Doo RXT BVIC	07

FOUR STROKE	INTAKE SYSTEMS	ENGINE/ GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES	SERVICE TOOLS /HARDWARE	CHEMICAL
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FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL

R&D Pro Series Cast CNC Machined heads are an economical alternative to the remachining of the Stock OEM Head, which many times crack and don't seal or cool properly after being modified. Pro Series Heads incorporate larger water volumes, improved circulation for superb cooling and O-Ring design for maximum sealing.



Yamaha GP1300R

Yamaha	Part No.
GP1300R Head Kit 45cc	412-13045
GP1200R/XLL1200 41cc	412-20041
GPR Head Girdle Hardware Kit	412-12000

\*Girdle kit is optional

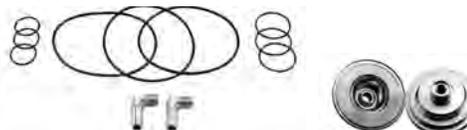


Kawasaki	Part No.
Ultra 150/STX-R 1200 Recreational 42cc	411-15042
Ultra Head Girdle Hardware Kit	411-15000

### O-RING SET FOR R&D HEAD

Yamaha	Part No.
701/760 O-Ring Set of 2	080-76000

Kawasaki	Part No.
750 O-Ring Set of 2	080-75000
800 O-Ring Set of 2	080-80000



### KOMMANDER KAW TRIPLE 1100/1200 HEAD & DOMES

Billet Aluminum Head & Domes, Fits all 1100 triple Kawasaki motors. Uses all stock hardware.

Kommander Industries billet aluminum domes are made for racing. utilizing custom dome architecture for maximum fuel burn and horsepower gains, these domes are ready for the races. Domes are sold individually.

Description	Part No.
Kommander 1100 Billet Head Black (O-Ring Kit and Two 90° Head Water Fittings Included)	KOM-110-ZXI
Kommander 1100 Billet Head O-Ring Kit	KOM-110-O-RING
Kommander Dome 82mm 26cc	KOM-822600-ZXI
Kommander Dome 82mm 28cc	KOM-822800-ZXI
Kommander Dome 82mm 30cc	KOM-823000-ZXI
Kommander Dome 82mm 32cc	KOM-823200-ZXI
Kommander Dome 85mm 24cc	KOM-852400-ZXI
Kommander Dome 85mm 26cc	KOM-852600-ZXI
Kommander Dome 85mm 28cc	KOM-852800-ZXI
Kommander Dome 85mm 30cc	KOM-853000-ZXI



### STAINLESS STEEL HEAD NUTS

8mm Stainless Steel Acorn Head Nuts fits most Kawasaki.

Description	Part No.
Acorn Head Nuts (10 pieces per bag)	63-1008



KA800G



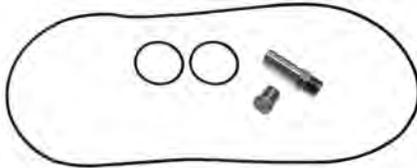
KA800M  
KAWASAKI  
800SXR/750  
GIRDLE HEAD  
SHELL



ADA 800SXR/750  
Throttle/Choke Cable Bracket



KA750  
KAWASAKI  
800SX-R/750  
NON-GIRDLE  
BILLET  
HEAD SHELL



## ADA KAWASAKI 800SXR BILLET GIRDLE HEAD

This head uses the stock head bolts and is completely sealed by O-rings, no head gasket required. Dual water outlets for additional cooling. This head will work with Factory Pipe's 800 dry pipe.

Kawasaki	Part No.
ADA 800SXR/750 Girdle Head Shell**	KA800M
ADA 800SXR Girdle Kit	KA800G
ADA 800SXR Dome 22cc (225 lbs.-114 Octane)	KA8022
ADA 800SXR Dome 24cc (216 lbs.-110 Octane)	KA8024
ADA 800SXR Dome 26cc (208 lbs.-105 Octane)	KA8026
ADA 800SXR Dome 28cc (200 lbs.-98 Octane)	KA8028
ADA 800SXR Dome 30cc (190 lbs.-95 Octane)	KA8030
ADA 800SXR Dome 32cc (180 lbs.-91 Octane)	KA8032
ADA 800SXR/750 Throttle/Choke Cable Bracket	KA800BRK-CARB
to use with stock carburetors with ADA Billet Girdle Head	
ADA 800SXR O-Ring Kit	ORKITK750

\*\*\*All ADA Domes are sold individually

## ADA KAWASAKI 800 SXR LIMITED SPEC. DOMES

Billet limited drop dome for the Kawasaki 800 SX-R. These domes have a .050" drop at 82mm for use in Limited engines with a .060" base gasket. Available in 22, 24, 26, 28 & 29cc sizes.

Kawasaki	Part No.
ADA 800SXR LTD Dome 22cc	KA8222D50
ADA 800SXR LTD Dome 24cc	KA8224D50
ADA 800SXR LTD Dome 26cc	KA8226D50
ADA 800SXR LTD Dome 28cc	KA8228D50
ADA 800SXR LTD Dome 29cc	KA8229D50

\*\*\*All ADA Domes are sold individually

## ADA KAWASAKI 750 BILLET HEAD

Kawasaki	Part No.
ADA 800SXR/750 Girdle Head Shell**	KA800M
ADA 800SXR Girdle Kit	KA800G
ADA 800SXR/750 Non-Girdle Billet Head Shell	KA800
ADA K750 24cc Dome (195 lbs.-100 Octane)	KA7524
ADA K750 26cc Dome (180 lbs.-92 Octane)	KA7526
ADA K750 28cc Dome (165 lbs.-91 Octane)	KA7528
ADA K750 30cc Dome (150 lbs.-89 Octane)	KA7530

\*\*ADA 800SXR Girdle and Non-Girdle Head Shell also fits Kawasaki 750 but must use the ADA 750 Domes.

\*\*\*All ADA Domes are sold individually

## ADA RACING KAWASAKI 750/800 BIG BORE GIRDLE KIT - SPECIAL ORDER ONLY



The ADA new Billet big bore head is available in both a Non-Girdle Big Bore Head Shell and a Girdle Big Bore Head Shell. Domes will fit up to an 85mm bore size and they are notched to fit around the head studs to allow for a larger compression sealing o-ring than the standard domes.

Big bore domes for the Kawasaki 750/800. Squish relief is .010" @ 85mm with a 4 degree angle. These are a larger diameter than the ADA standard 750/800 domes and are machined to fit around the head studs.

Description	Part No.
ADA 750/800 SXR <i>Girdle</i> Billet Big Bore Head Kit	KA800M-BB
ADA 750/800 SXR <i>Non-Girdle</i> Billet Big Bore Head Kit	KA800BB
ADA 750/800 SXR Girdle Hardware Kit	KA800G
ADA 750/800 SXR O-Ring Kit	ORKITK750

**ADA 750/800 SXR Big Bore Domes - Domes Sold Individually**

22cc Pt# KA852210	24cc Pt# KA852410	26cc Pt# KA852610
28cc Pt# KA852810	30cc Pt# KA853010	32cc Pt# KA853210
34cc Pt# KA853410		

**SPECIAL ORDER ONLY ITEM**

## ADA YAMAHA 701/760 BILLET HEAD

Includes o-rings that fit into the grooves in the head shell mounting hardware, and brass fittings. Clear anodized for protection against corrosion.

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL



ADA YA701M  
Billet Girdle  
Head Shell



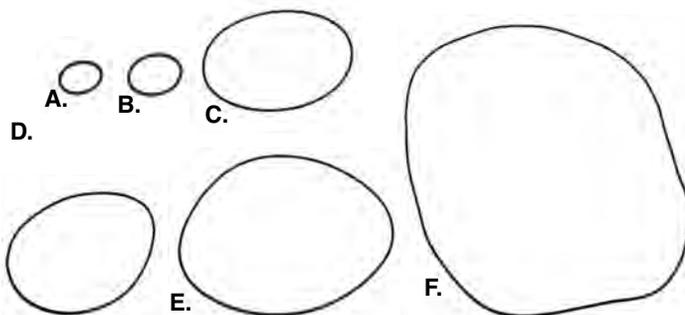
ADA YA701L  
Billet  
Non-Girdle  
Head Shell



ADA YA701G6 Girdle Hardware



ADA YA1200R  
Yamaha Billet Head Shell  
Non-Girdle



Yamaha	Part No.
Y701/760 Girdle Billet Head Shell**	YA701M
** Girdle Kit is not included in Head Kit	
Girdle Kit (6 pcs.) for Girdle Head **	YA701G6
Y701/760 Non-Girdle Billet Head Shell	YA701L
701-81mm 33cc (200Lbs/105 Octane)	YA2133L
701-81mm 35cc (185Lbs/92 Octane) *	YA2135L
* 35cc Dome for 100 Octane with Dry Pipe	
701-81mm 37cc (170Lbs/92 Octane)	YA2137L
760-84mm 31cc (230Lbs/115 Octane)	YA7631L
760-84mm 33cc (215Lbs/110 Octane)	YA7633L
760-84mm 35cc (200Lbs/105 Octane)	YA7635L
760-84mm 38cc (180Lbs/98 Octane)	YA7638L
760-84mm 40cc (165Lbs/91 Octane)	YA7640L
Flat Top Dome – 30cc	YAK8630L15
4° w/.015" Relief@86mm	
Flat Top Dome – 28cc	YAK8628L15
4° w/.015" Relief@86mm	
Flat Top Dome – 26cc	YAK8626L15
4° w/.015" Relief@86mm	
Flat Top Dome – 24cc	YAK8624L15
4° w/.015" Relief@86mm	
Flat Top Dome – 22cc	YAK8622L15
4° w/.015" Relief@86mm	
Dome for Flat Top Kawasaki Piston @ 82mm24cc	KD1224
Exhaust Pipe Mount Bracket	YEXBRKT-2M
O-Ring Kit	ORKIT-YA701M

\*\*\*All ADA Domes are sold individually

## ADA SUPER BORE HEAD

Yamaha	Part No.
Super Bore Non-Girdle Head Shell	YA760SB
Super Bore Girdle Head Shell	YA760SBM
Super Bore 38cc Dome Yamaha	SD9538

*\*\*\*ADA Super Bore Head Shells and Domes are Special Order Only.*

\*\*\*All ADA Domes are sold individually

## ADA YAMAHA GP1200R

Includes o-rings that fit into the grooves in the head shell mounting hardware, and brass fittings. Clear anodized for protection against corrosion.

Yamaha	Part No.
Billet Head Shell Non-Girdle	YA1200R
29cc (215-220Lbs/115 Octane)	YA8029
31cc (205-210Lbs/110 Octane)	YA8031
33cc (195-200Lbs/105 Octane)	YA8033
35cc (180-185Lbs/100 Octane)	YA8035
38cc (165-170Lbs/95 Octane)	YA8038
40cc (155-160Lbs/91 Octane)	YA8040
42cc (140-145Lbs/89 Octane)	YA8042

*\*\*\*ADA Yamaha GP1200R Head Shells and Domes are Special Order Only.*

\*\*\*All ADA Domes are sold individually

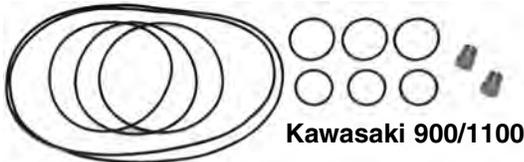
## ADA INDIVIDUAL O-RING

Descriptions	Part No.
A. O-Ring, Dome Top Around Spark Plug Hole	OR020
B. O-Ring Head Shell to Dome	OR024
C. Compression O-Ring Ultra 150, All Yamaha	OR043
D. Compression O-Ring SD 951	OR044
E. Outer Water O-Ring Ultra 150 (3 req.)	OR049
F. Outer Water O-Ring Y701/760	ORYA701
Compression O-Ring K750/800	OR042

Sea Doo  
720/800



Sea Doo  
951



Kawasaki 900/1100



Kawasaki  
900/1100  
Girdle Billet  
Head Shell  
& Girdle Kit



KU150 Kawasaki Ultra 150/STX-R  
NON Girdle Head Shell  
\*Domes Sold separately



## ADA SD720 AND 800 BILLET HEAD

Sea Doo		Part No.
Sea Doo 720 Billet Head Shell		SD720
Sea Doo 720	34cc Dome (190 Lbs 105 oct.)	SD7234
Sea Doo 720	36cc Dome (175 Lbs 100 oct.)	SD7236
Sea Doo 800 Billet Head Shell		SD800
Sea Doo 800	39cc Dome (205 Lbs 105 oct.)	SD8039
Sea Doo 800	41cc Dome (190 Lbs 98 oct.)	SD8041
Sea Doo 800	43cc Dome (175 Lbs 91 oct.)	SD8043

\*\*\*All ADA Domes are sold individually

The ADA Sea Doo 720 & 800 domes are interchangeable but the head billet shells are engine size specific.

## ADA SD951 BILLET HEAD

Sea Doo		Part No.
Sea Doo 951 Billet Head Shell		SD951
Sea Doo 951	46cc Dome (183 lbs-105 oct.)	SD9546
Sea Doo 951	48cc Dome (175 lbs-98 oct.)	SD9548
Sea Doo 951	50cc Dome (165 lbs-91 oct.)	SD9550
O-Ring Kit		ORKIT-SD951

\*\*\*All ADA Domes are sold individually

## ADA KAWASAKI 900/1100 BILLET HEAD

Kawasaki 900		Part No.
ADA 900/1100 Non-Girdle Billet Head Shell		KA900/1100
ADA K900	26cc Dome (185 lbs. - 105 Octane)	KA9026
ADA K900	28cc Dome (170 lbs. - 95 Octane)	KA9028
ADA K900	30cc Dome (155 lbs. - 91 Octane)	KA9030
ADA K900 O-Ring Kit		ORKITK900

\*\*\*All ADA Domes are sold individually

Kawasaki 1100		Part No.
ADA 900/1100 Non-Girdle Billet Head Shell		KA900/1100
ADA 900/1100 Girdle Billet Head Shell		KA1100M
ADA Girdle Kit for KA1100M		KA1100G
ADA K1100	22cc Dome (215 lbs. - 112 Octane)	KD1222
ADA K1100	24cc Dome (200 lbs. - 108 Octane)	KD1224
ADA K1100	26cc Dome (185 lbs. - 105 Octane)	KD1226
ADA K1100	28cc Dome (170 lbs. - 95 Octane)	KD1228
ADA K1100	30cc Dome (155 lbs. - 91 Octane)	KD1230
ADA K1100	32cc Dome (145 lbs. - 89 Octane)	KD1232
ADA K1100 O-Ring Kit		ORKITK1100

\*\*\*All ADA Domes are sold individually

## ADA KAWASAKI ULTRA 150/STX-R BILLET GIRDLE HEAD KIT

Kawasaki		Part No.
Ultra 150/STX-R Billet Head Shell (Non Girdle Head)		KU150
44cc Dome +10 Lbs	91 Oct.	KU1544
42cc Dome +20 lbs	91 Oct.	KU1542
40cc Dome +30 lbs	98 Oct.	KU1540
38cc Dome +40 lbs	105 Oct.	KU1538
Ultra 150/STX-R O-Ring Kit		ORKIT-KU150

\*\*\*All ADA Domes are sold individually

## RIVA RACING HEAD O-RING KIT

Head O-Ring Kit		Part No.
2 Cylinder (701/760)		RY10026-O
3 Cylinder (63M/65U)		RY10028-O
GP800 (66E)		RY100277-O
GP1200R (For RY100288B/100289A1)		RY100288-O

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BLIGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES SERVICE TOOLS  
/HARDWARE  
CHEMICAL

## PERSONAL WATERCRAFT KITS

All pistons are high quality forged alloy and include rings, taper wall wrist pins and circlips.

L.A. Sleeve produces a complete watercraft line of two stroke centrifugally spun iron cylinder sleeves. LASCO sleeves with exact port specifications, chrome-moly iron alloy, high tensile strength material provide the rebuilder with ease of installation, trouble free boring and a lasting long life engine.



The ★ column, next to the sleeve part number, will help the rebuilder identify the cylinder that is to be sleeved. The ★ column designation will also help the rebuilder to determine the proper installation procedure.

### ★ Column Code Explanations:

- AC** – Original cylinder bore is alloy-chrome plated, Nikasil, or electrofused. The cylinder must be bored to accept the new cylinder sleeve.
- CS** – Original block has a cast-in sleeve liner in the cylinder. The cylinder must be bored out to accept the new cylinder sleeve. The cast-in liner will be bored completely out of the cylinder. Do not try to push out the cast-in liner, cylinder damage may be the result.
- CI** – Original block has a cast-in liner in the cylinder. The cylinder must be bored to accept the new cylinder sleeve. When using a CI style sleeve the cast-in liner will not be completely removed. The sleeve is designed to insert into the iron lined cylinder.
- RS** – Original block has a replacement sleeve. Heat the cylinder to remove the sleeve. Reheat the cylinder to install the new cylinder sleeve.
- CC** – Original barrel is cast-iron. The cylinder must be bored to accept the new cylinder sleeve.



**Piston Wrist Pin Bearing**



**Crank Side/End Rod Bearing**

		L.A. SLEEVE		WISECO										Piston Wrist Pin Bearing	Crank Side/End Rod Bearing
Model	SEA DOO	Cyl. I.D.	★	Piston Style	Piston Kit	Bore Size mm	Over Size mm	CC	Ring Set	Circlip	Wrist Pin				
Sea Doo 580 (Long Finger Port)	1988	76mm	RS	FL-5102	E Coated	734M07600	76.00	STD	580	2992TD	CW18	S477	50-4185		
Sea Doo 580 (Short Finger Port)	1989-96	76mm	RS	FL-5125		734M07650	76.50	0.50	588	3012TD					
						734M07700	77.00	1.00	595	3032TD					
						734M07750	77.50	1.50	602	3051TD					
XP, SPI, GTX, SPX-650 (657cc)	1993-95	78mm	RS	FL-5244	L Ring STOCK STYLE	663M07800	78.00	STD	650	3071LK	CW20	S512	50-4184 (1993)		
						663M07850	78.50	0.50	658	3091LK			50-4182 (94-95)		
						663M07900	79.00	1.00	666	3110LK					
						663M08000	80.00	1.50	674	3150LK					
XP, GTI, HX, SPX, GTS, GS, GSI-750 (718cc)	1995-97	82mm	RS	FL-5268	L Ring IJBSA Ltd. Class Legal	775M08200	82.00	STD	718	8200LF	CW20	S461	50-4184	01321	
						775M08250	82.50	0.50	726	8250LF					
						775M08300	83.00	1.00	735	8300LF					
						775M08350	83.50	1.50	744	8350LF					
						775M08400	84.00	2.00	754	8400LF					
XP, SPX, GSX, GTX-785 Rave GTX RFI, GSX RFI-785 Rave	1995-00	82mm	RS	FL-5290	L Ring IJBSA Ltd. Class Legal	779M08200	82.00	STD	780	8200LF	CW20	S461	50-4184	01323	
						779M08210	82.10	0.10	782	8210LF					
						779M08250	82.50	0.50	791	8250LF					
						779M08296	82.96	0.96	800	*8300LF					
						779M08300	83.00	1.00	801	8300LF					
						779M08350	83.50	1.50	810	8350LF					
						779M08400	84.00	2.00	820	8400LF					
GSX LTD, XP LTD, GTX LTD-951 LRV, RX	1997-00	88mm	RS	FL-5322		716M08800	88.00	STD	951	3464KD	CW21	S568	01242		
						716M08850	88.50	0.50	960	3484KD					
						716M08900	89.00	1.00	971	3503KD					
						716M08940	89.40	1.40	982	3520KD					
						716M09000	90.00	2.00	993	3544KD					
						716M09100	91.00	3.00	1017	3584KD					

\* Must gap rings

\* Cylinder Sleeving and Crankcase cleanup required for 91mm bore.

\*\*Special Head Gasket Required Part #6700BB (91.25mm)

Model <b>YAMAHA</b>		Cyl. I.D. ★	L.A. SLEEVE	Piston Style	Piston Kit	Bore Size mm	Over Size mm	CC	Ring Set	Circlip	Wrist Pin	Piston Wrist Pin Bearing	Crank Side/End Rod Bearing
WaveJammer, WaveRunner (496cc) 1987-92	72mm	RS	YA-5025		586M07200 586M07250 586M07300 586M07350	72.00 72.50 73.00 73.50	STD 0.50 1.00 1.50	496 503 509 517	2835CD 2854CD 2874CD 2894CD	CW20	S478	50-4184	01325
Super Jet 1990-93, WaveRunner III 1996, WaveRunner VXR 1992-95 (from 817001) (633cc) Twin	77mm	RS	YA-5139		602M07700 602M07750 602M07800 602M07850 602M07900	77.00 77.50 78.00 78.50 79.00	STD 0.50 1.00 1.50 2.00	633 641 649 658 667	3032TD 3051TD 3071TD 3091TD 3110TD	CW20	S423	50-3302	01325
WaveRunner 91-92, WaveRunner LX 93 WaveRunner III 1990-95 WaveRunner VXR (from 816999) 91-92 (633cc) Twin	77mm	RS	YA-5176										
Super Jet, WaveRunner III GP WaveBlaster, WaveRunner II WaveRunner Pro VXR, FX700 WaveRaider 1996-97 (701cc) Twin	81mm	RS	YA-5187		790M08100 790M08150 790M08200 790M08250 790M08300 790M08400	81.00 81.50 82.00 82.50 83.00 84.00	STD 0.50 1.00 1.50 2.00 3.00	701 710 718 726 735 753	3189KD 3207KD 3228KD 3248KD 3268KD 3307KD	CW20	S512	50-3483	01325
WaveRaider 1994-95 WaveRaider DX, WaveVenture Wave Venture XL700 (701cc)Twin	81mm	RS	YA-5284										
Super Jet, WaveRunner III GP WaveBlaster, WaveRunner II WaveRunner Pro VXR, FX700 WaveRaider 1996-97 Big Bore to 789cc Twin	84mm		YA-5187B		757M08400 757M08450 757M08500 757M08550 757M08600	84.00 84.50 85.00 85.50 86.00	STD 0.50 1.00 1.50 2.00	754 763 771 780 789	3307KD 3327KD 3347KD 3368KD 3386KD	CW20	S631	50-3483	01325
WaveBlaster, WaveBlaster II WaveRaider, WaveRunner GP760 WaveVenture, XL760 1996-00 (754cc) Twin	84mm	RS	YA-5304										
WaveRunner GP800 1998-00 WaveRunner XL800 2000 (784cc) Twin	80mm	AC	YA-5356		758M08000	80.00	STD	784	3150KD	CW22	S640	01343	
WaveRaider 1100 1995-97 WaveVenture 1100 (1051cc) Triple	81mm	RS	YA-5282		791M08100 791M08150 791M08200 791M08250 791M08300	81.00 81.50 82.00 82.50 83.00	STD 0.50 1.00 1.50 2.00	1051 1064 1077 1090 1104	3189KD 3207KD 3228KD 3248KD 3268KD	CW20	S512	50-3483	01325
WaveRunner GP1200 1997-99 SUV1200 1999-00 XL1200 1998 (1131cc) Triple	84mm	RS	YA-5349		757M08400 757M08450 757M08500 757M08550 757M08600	84.00 84.50 85.00 85.50 86.00	STD 0.50 1.00 1.50 2.00	1131 1142 1156 1169 1184	3307KD 3327KD 3347KD 3366KD 3386KD	CW20	S631	50-3483	01325
XL 1200 LTD 1998-00 GP1200R 2000 (1176cc) Triple	80mm	AC	YA-5469		758M08000	80.00	STD	1176	3150KD	CW22	S640	01343	
GP1300R 2003-08	84mm	AC	YA-5502		867M08400	84.00	STD	1300	3307KD	CW22	S539		
1050cc Four Cylinder VX1050 Cruiser VX1050 Sport VX1050 Deluxe 2005-12	76mm				40051M07600	76.00	STD		2992XG	CW17	S532		
1800cc 4 Cyl. 8.6:1 Compression FX Cruiser SHO 2008-11 FX SHO 2008-11 FZR 2009-12 FZS 2009-12	86mm		YA-5688		40049M08600	86.00	STD		8600XX	W5590	S734		

**General Rules for Sleeve Installation:**

These tips are intended to be a guide for installing sleeves into cylinders. There are always exceptions to the rule and care must be taken on special applications.

**ALWAYS WAIT UNTIL THE SLEEVE ARRIVES BEFORE BEGINNING ANY MACHINE WORK. NEVER ASSUME THAT THE STATED MODEL AND YEAR OF THE CYLINDER IS CORRECT. ALWAYS CHECK TO SEE IF THE SLEEVE PORTS MATCH THE CYLINDER PORTS.**

1. Interference fit for cylinder sleeve to aluminum bore is .004.
2. Interference fit for cylinder sleeve to a cast iron bore is .002 to .003.
3. Installation of flanged type sleeves follow the same rules, but the top of the cylinder must have a countersink to the correct depth to accept the flanged sleeve. .000 to .001 interference fit on the flange diameter is recommended.
4. Heating the cylinder for 45 minutes to one hour at 350 degrees to 450 degrees is preferable.
5. The sleeve should slide in very easily when the cylinder is properly heated. Freeze shrinking the sleeve is not necessary. (Some machinists believe this assists installation of the sleeve.)
6. **REMEMBER:** Rap or press the sleeve down while the cylinder is cooling down. Use a hydraulic press for this procedure.
7. Milling the top deck of the cylinder always adds a quality touch. A caution here, some cylinders may not be able to have the top surface decked.
8. For two-stroke cylinders, blending or matching the aluminum cylinder to the sleeve ports is recommended for proper fuel flow.

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS  
HARDWARE  
CHEMICAL

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/CASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
SERVICE TOOLS ACCESSORIES  
CHEMICAL /HARDWARE

Model <b>KAWASAKI</b> Cyl. I.D. ★			L.A. SLEEVE	<b>WISECO</b>								Piston Wrist Pin Bearing	Crank Side/End Rod Bearing
Model	Cyl. I.D.	★	Piston Style	Piston Kit	Bore Size mm	Over Size mm	CC	Ring Set	Circlip	Wrist Pin	Piston Wrist Pin Bearing	Crank Side/End Rod Bearing	
JS-550 Iron Cylinder 1986-90	75mm	CC	KA-5033	516M07500	75.00	STD	531	2953TC	CW16	S259	50-3122		
				516M07550	75.50	0.50	537	2973TC					
				516M07600	76.00	1.00	544	2992TC					
JS-550SX Reed 1991-95	75mm	CI	KA-5135	608M07500	75.00	STD	531	2953TD	CW16	S259	50-3122		
				608M07550	75.50	0.50	537	2973TD					
				608M07600	76.00	1.00	544	2992TD					
				608M07650	76.50	1.50	551	3012TD					
JS, JL, JF-650 1986-96	76mm	CS	KA-999	549M07600	76.00	STD	635	2992TD	CW18	S513	50-3272	01315	
				549M07650	76.50	0.50	643	3012TD					
				549M07700	77.00	1.00	657	3032TD					
JS-750SX, SS, ST, XiR 1992-95	80mm	CI	KA-5166	813M08000	80.00	STD	743	3150KD	CW20	S650 (20mm)	50-3302	01317	
				813M08050	80.50	0.50	752	3169KD					
				813M08100	81.00	1.00	760	3189KD					
Supersport Xi 1993-95	80mm	CS	KA-5166H	813M08150	81.50	1.50	771	3209KD	CW20	S662 (20mm)	50-3304		
Special Heavy O.D. Sleeve 3.600"				813M08200	82.00	2.00	779	3228KD					
* Crankcase cleanup and cylinder sleeving required for 83mm thru 85.5mm bore.				813M08300	83.00	3.00	796	3268KD					
				813M08500	85.00	5.00	840	3347KD					
				813M08550	85.50	5.50	849	3367KD					
JS-750 SXi, ZXi 1995-00	80mm	CI	KA-5280	809M08000	80.00	STD	743	3150KD	CW22	S662 (20mm)	50-3304		
STX, STS, SXi Pro, Xi Sport 1996-97	80mm	CS		KA-5280H	809M08050	80.50	0.50	752					3169KD
Supersport Xi 1996-97			809M08100		81.00	1.00	760	3189KD					
* Crankcase cleanup and cylinder sleeving required for 83mm thru 84.5mm bore.			809M08150		81.50	1.50	771	3209KD					
			809M08200		82.00	2.00	779	3228KD					
			809M08300		83.00	3.00	795	3268KD					
			809M08400		84.00	4.00	820	3307KD					
			809M08450	84.50	4.50	830	3327KD						
JS-750 SXi, SXi pro 1996-02	80mm	CI	KA-5280	E Coated	810M08250	82.50	2.50	791	8250KB	CW22	S640	50-3304	
SX800R 2003													
* These racing pistons feature a cutaway skirt, boost port feed hole, and thinner rings.													
Team Kawasaki Factory Part													
SX800R 2003	82mm		KA-5496	837M08200	82.00	STD	782	3228KD	CW22	S662	50-3304		
				837M08250	82.50	0.50	791	3248KD					
				837M08296	82.96	0.96	800	3268KD					
JH-900 ZXi, JT-900 STX (891cc) 1995-00 triple cylinder	73mm	CS	KA-5283	659M07300	73.00	STD	891	2874CD	CW20	S512	50-3302	01317	
				659M07350	73.50	0.50	903	2894CD					
				659M07400	74.00	1.00	915	2913CD					
				659M07450	74.50	1.50	928	2933TD					
JH-1100 ZXi, JT-1100 STX (1071cc) 1996-00 triple cylinder	80mm		KA-5303	809M08000	80.00	STD	1071	3150KD	CW22	S662	50-3304	01317	
				809M08050	80.50	0.50	1083	3169KD					
				809M08100	81.00	1.00	1097	3189KD					
				809M08150	81.50	1.50	1106	3209KD					
Not for 1100DI				809M08200	82.00	2.00	1125	3228KD					
JH-1100 ZXi, JT-1100 STX Big Bore to 1193cc 1996-00			KA-5303B	809M08300	83.00	3.00	1151	3268KD	CW22	S662	50-3304	01317	
				809M08400	84.00	4.00	1179	3307KD					
				809M08450	84.50	4.50	1193	3327KD					
Ultra 150 (1176cc) triple cylinder 1999-00	80mm	AC	KA-5415	749M08000	80.00	STD	1176	3150TD	CW24	S598	50-4186		
				749M08050	80.50	0.50	1191	3169TD					
				749M08100	81.00	1.00	1205	3189TD					

**SJ Flat Top Piston**  
85.0 mm for SJ 771CC  
85.5 mm for SJ 780CC  
Piston skirt must be modified to match sleeve

Model <b>POLARIS</b> Cyl. I.D. ★			L.A. SLEEVE	<b>WISECO</b>								Piston Wrist Pin Bearing	Crank Side/End Rod Bearing
Model	Cyl. I.D.	★	Piston Style	Piston Kit	Bore Size mm	Over Size	CC	Ring Set	Circlip	Wrist Pin	Piston Wrist Pin Bearing	Crank Side/End Rod Bearing	
SL-650 1992-95	65mm	CI	FL-5191	624M06500	65.00	STD	647	2559CD	CW18	S280	50-3496	01329	
				624M06550	65.50	0.50	656	2579CD					
				624M06600	66.00	1.00	665	2598CD					
				624M06650	66.50	1.50	675	2618CD					
				624M06700	67.00	2.00	685	2638CD					
Hurricane 700 1996-97	81mm		FL-5300	700M08100	81.00	STD	700	3189TD	CW20	S512	50-4182		
SL, SLT-700 1996-97	81mm	RS		FL-5341	700M08150	81.50	0.50	710					3209TD
SLH, SLTH-700, Virage (65+) (700cc) twin 1998-02			700M08200		82.00	1.00	718	3228TD					
Freedom 2002			700M08250		82.50	1.50	726	3248TD					
			700M08300		83.00	2.00	734	3268TD					
SL, SLT-750 1993-95	69.75mm	CI	FL-5239	633M06975	69.75	STD	744	2746CD	CW18	S343	50-3496	01329	
				633M07025	70.25	0.50	755	2766CD					
Special Heavy O.D. 80.60mm	69.75mm	CS	FL-5239H	633M07075	70.75	1.00	766	2786CD	CW18	S343	50-3496	01329	
				633M07125	71.25	1.50	777	2805CD					
				633M07150	71.50	1.75	783	2815CD					
				633M07200	72.00	2.25	795	2835CD					
SL, SLT, SLX-780 triple cylinder 1995-97	71.3mm		FL-5302	633M07150	71.50	STD	783	2815CD	CW18	S343	50-3496	01329	
				633M07200	72.00	0.71	794	2835CD					

Model		Cyl. I.D. ★	L.A. SLEEVE	Piston Style	Piston Kit	Bore Size mm	Over Size mm	CC	Ring Set	Circlip	Wrist Pin	Piston Wrist Pin Bearing	Crank Side/End Rod Bearing
SLX Pro 785 (779cc) triple cylinder		1997-00 69.72mm	FL-5342	XPS E-Coated	722M06970	69.70	STD	799	2746CD	CW18	S343		
<i>* Nikasil Bore – Cylinder Sleeving or Replating Required for Oversizes.</i>													
Octane 777 Virage I		2002 2002 84mm	FL-5416	E-Coated	811M08400 811M08450 811M08500 811M08525	84.00 84.50 85.00 85.25	STD .050 1.00 1.25	775.8 785.1 794.4 779.1	8400KB 8450KB 8500KB 8520KB	CW22	S662		
<b>Low Dome Race Part. (Flat Top) Head Modifications required.</b>					812M08500 812M08525	85.00 85.25	1.00 1.25	794.4 749.1	8500KB 8525KB	CW22	S662		
SL-900 triple cylinder		1996-97 74.5mm	FL-5305	RS	687M07450 687M07500 687M07550 687M07600 687M07650	74.50 75.00 75.50 76.00 76.50	STD 0.50 1.00 1.50 2.00	889 901 913 925 937	2933TD 2953TD 2973TD 2992TD 3012TD	CW20	S512	50-4182	
SL, SLX, SLTC, SLXH-1050 (1051cc) triple cylinder		1996-99 81mm	FL-5297		781M08100 781M08150 781M08200 781M08250 781M08300	81.00 81.50 82.00 82.50 83.00	STD 0.50 1.00 1.50 2.00	1051 1064 1077 1090 1102	8100LF 8150LF 8200LF 8250LF 8300LF	CW20	S512	50-4182	
Pro1200, Virage TX Virage TXI, SLX Genesis all Models X45		2000-01 99-02 1999 84mm	FL-5416		811M08400 811M08450 811M08500 811M08525	84.00 84.50 85.00 85.25	STD 0.50 1.00 1.25	775.8 785.1 794.4 799.1	8400KB 8450KB 8500KB 8525KB	CW22	S662		
Pro1200, Virage TX Virage TXI		2001-02 85mm			812M08500 812M08525	85.00 85.25	1.00 1.25	794.4 799.1	8500KB 8525KB	CW22	S662		
<i>Low Dome Race Part. (Flat Top) Head Modifications required.</i>													

MODEL	L.A. SLEEVE	CUBIC DISPLACEMENT	CYLINDER I.D.	CODE	PART NO.
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<b>Sea Doo</b>					
580 (Long Finger Port) 1988		580cc	76mm	RS	FL-5102
580 (Short Finger Port) 1989-96		580cc	76mm	RS	FL-5125
XP/SPI, GTX, SPX 1993-95		650cc	78mm	RS	FL-5244
GTI, HX, SPX, XP, GTS, GS, GSI		718cc	82mm	RS	FL-5268
XP/SPX/GTX RFI-785 Rave 1995-02		782cc	82mm	RS	FL-5290
GSX/XP/GTX-951 LTD RX 1997-02		951cc	88mm	RS	FL-5322
785DI		782cc	82mm	RS	FL-5583
951DI		951cc	88mm	RS	FL-5578

<b>Polaris</b>					
SL-650 1992-95		647cc	65mm	CI	FL-5191
SL-750 1993-95		744cc	69.7mm	CI	FL-5239
SLX Pro 785 1997-01			69.72mm	AC	FL-5342
SL-900 1996-97		889cc	74.5mm	RS	FL-5305
SLTX/SLXH-1051 1996-99		1051cc	81mm		FL-5297
Virage, Octane 777 2002		777cc	84mm	RS	FL-5416
Genesis 1200 (99-02), SLX, X-45 1200, Pro 1200, Virage TX & TXI 1999-02		1165cc	84mm	RS	FL-5416

<b>Yamaha</b>					
Wave Jammer, Wave Runner 1987-92		496cc	72mm	RS	YA-5025
Wave Runner, Super Jet thru 1993		633cc	77mm	RS	YA-5139
61X Wave Blaster, WRIII, FX, Pro VXR, Superjet (93-07)		701cc	81mm	RS	YA-5187
Super Jet, Wave Blaster Big Bore to		789cc	84mm		YA-5187B
62T 701 Wave Raider (94-95), Wave Venture XL 700 (95-02)		701cc	81mm	RS	YA-5284
Wave Raider, WBII, GP 760/Wave Blaster (96-00)		754cc	84mm	RS	YA-5304
Wave Runner GP-800 (98-02), XL/XLT 800 (00-02)		784cc	80mm	AC	YA-5356
1100Wave Raider (95-96), Wave Venture (96-97)		1051cc	81mm	RS	YA-5282
GP1200( 97-99)/XL 1200 (98)		1131cc	84mm	RS	YA-5349
XL1200 Ltd/GP1200R		1176cc	80mm	AC	YA-5469
GP1300R (03-07)		1296cc	84mm	AC	YA-5502

<b>Kawasaki</b>					
JS-550 Iron Cylinder 1986-90		531cc	75mm	CC	KA-5033
JS-550 SX Reed 1991-95		531cc	75mm	CI	KA-5135
JS, JF-650 1986-96		635cc	76mm	CS	KA-999
JS-750 SX/SS (92-95)		743cc	80mm	CI	KA-5166
JS-750 SX/SS (92-95) Special Heavy OD Sleeve 3.600"		743cc	80mm	CS	KA-5166H
JS-750 SXI, ZXI (96-97), ST (94-95) SXI Pro		743cc	80mm	CI	KA-5280
JS-750 SX, ZXI (95-97), ST (94-95), SXI Pro Special Heavy OD Sleeve 3.600"		743cc	80mm	CS	KA-5280H
JS-900 ZXI, STX (95-06)		891cc	73mm	CS	KA-5283
JS1100ZXI, STX (96-02)		1071cc	80mm	CI	KA-5303
JS-1100 ZXI, STX (96-02) Big Bore to 800 SXR 2003-07		1180cc	83mm		KA-5303B
Ultra 150 1999-00		1176cc	82mm		KA-5496
			80mm	AC	KA-5415

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL



Wossner Pistons, Germany's finest aftermarket forged piston and rod manufacturer, now brings German quality to America. With over 25 years of custom piston and rod manufacturing, Wossner Pistons is deeply committed to bringing to market only the best and most accurately machined forged pistons and rods available.

Wossner Pistons commitment to quality stems from designing racing components for top European racing teams in all types of venues to supplying the weekend racer a hop-up high compression piston, or a big bore piston to take advantage of today's high revving high horsepower engines in both automotive and motorcycle applications.

With unsurpassed quality and a commitment, Wossner Pistons will always listen to the customer as this assures you will always receive the high quality forged CNC machined components you would expect from today's top European piston and rod manufacturer. Wossner Pistons believes in continued research and development so that the end user is guaranteed to receive the highest quality machined forged piston.

Wossner Pistons is a complete company that manufactures 2-stroke and 4-stroke PWC (personal watercraft), motorcycle, automotive, snowmobile pistons in various bore sizes and compression ratios. Wossner Pistons designs and manufactures all of our forgings in house.



Yamaha Model	Cylinders	Displacement	Bore Size	Over Size mm	Piston Part No.	Ring Set Part No.	Circlip Part No.
Super Jet 700 '93-12	2	701	81.00	Std.	6005DA	RDT8100	CW20
Wave Blaster 700 '93-96		710	81.50	+0.5	6005D050	RDT8150	CW20
Waver Raider 700 '94-98		718	82.00	+1.0	6005D100	RDT8200	CW20
Wave Runner III GP '94-97		726	82.50	+1.5	6005D150	RDT8250	CW20
Wave Runner PRO VXR700 '93-94		735	83.00	+2.0	6005D200	RDT8300	CW20
Wave Venture 700 '95-98		753	84.00	+3.0	6005D300	RDT8400	CW20
Wave Venture XL700 '02							
Wave Blaster 760 '96-97	2	754	84.00	Std.			CW20
Wave Raider 760 '96-97		763	84.50	+0.5			CW20
Wave Runner II 760 '96-97		771	85.00	+1.0			CW20
Wave Venture 760 '97		780	85.50	+1.5			CW20
		789	86.00	+2.0			CW20
GP800R '98-05	3		79.90	Std.	6004DA		
XL800 '00-01			79.91	+0.01	6004DB		
XLT800 '02-04			79.92	+0.02	6004DC		
GP1200R '00-03			79.93	+0.03	6004DD		
XL1200 LTD '98-01			80.50	+0.6	6004D060	RDT8050	
XLT1200 '01-05			81.00	+1.1	6004D110	RDT8100	
Wave Runner 1100 '95-97	2		81.00	Std.	6005DA	RDT8100	CW20
Wave Venture 1100 '95-97			81.50	+0.5	6005D050	RDT8150	CW20
			82.00	+1.0	6005D100	RDT8200	CW20
			82.50	+1.5	6005D150	RDT8250	CW20
			83.00	+2.0	6005D200	RDT8300	CW20
			84.00	+3.0	6005D300	RDT8400	CW20
GP1300R '03-08	3		83.90	Std.	6003DA		CW22
			83.91	+0.01	6003DB		CW22
			83.92	+0.02	6003DC		CW22
1800c Four Cylinder '08-12	4		86.00	Std.	6505DA		
FX Cruiser SHO '08-11							
FX SHO '08-11							
FZR '09-12							
FZS '09-12		8.6:1 Compression					



## SEA DOO

Sea Doo Model	Cylinders	Displacement	Bore Size	Over Size mm	Piston Part No.	Ring Set Part No.	Circlip Part No.
XP / GTI / HX / SPX / GTS '95-05	2	718	82.00	Std.	6002DA	RDT8200	CW20
Challenger 718 '98		726	82.50	+0.5	6002D050	RDT8250	CW20
Challenger 718 '00-01		735	83.00	+1.0	6002D100	RDT8300	CW20
Explorer 718 '97&02		744	83.50	+1.5	6002D150	RDT8350	CW20
Speedster 718 '96-97		754	84.00	+2.0	6002D200	RDT8400	CW20
Speedster 718 SK '99							
Sportster 1800 '98-99							
Sportster 718 LT '02							
XP / SPX / GSX / GTX	2	780	82.00	Std.	6001DA	RDT8200	CW20
GTX-RFI / GTI / GSX-RFI780 '95-05		785	82.10	+0.10	6001D010		CW20
		791	82.50	+0.5	6001D050	RDT8250	CW20
		800	82.96	+0.96	6001D096	RDT8300	CW20
		801	83.00	+1.0	6001D100	RDT8300	CW20
		810	83.50	+1.5	6001D150	RDT8350	CW20
	820	84.00	+2.0	6001D200	RDT8400	CW20	
GSX-LTD / XP-LTD	2	951	88.00	Std.	6011DA	RDT8800	CW21
GTX-LTD / LRV / RX950 '97-05		960	88.50	+0.5	6011D050	RDT8850	CW21
Sporster950 LE '00-03		971	89.00	+1.0	6011D100	RDT8900	CW21
VSP950 LTD '99-03		982	89.40	+1.4	6011D140		CW21
		993	90.00	+2.0	6011D200	RDT9000	CW21
		1017	91.00*	+3.0	6011D300	RDT9100	CW21
RXP215 '04-09 9.5:1 Compression	3	1500	100.00	std.	6504DA	1000XTY	CW23
RXP-X255 '08-10			100.50	+0.5	6504D050	1005XTY	CW23
RXT 255/260 '05-10							
RXT-X 255/260 '08-10							

\*Cylinder sleeving and crankcase cleanup required for 91mm bore



## KAWASAKI

Kawasaki Model	Cylinders	Displacement	Bore Size	Over Size mm	Piston Part No.	Ring Set Part No.	Circlip Part No.
JS750 SS '95-96	3	743	80.00	Std.	6006DA	RDT8000	CW20
Supersport '93-95		752	80.50	+0.5	6006D050	RDT8050	CW20
750SX '92-95		760	81.00	+1.0	6006D100	RDT8100	CW20
ST '94-95		771	81.50	+1.5	6006D150	RDT8150	CW20
XIR 1994		779	82.00	+2.0	6006D200	RDT8200	CW20
		795	83.00	+3.0	6006D300	RDT8300	CW20
		815	84.00	+4.0	6006D400	RDT8400	CW20
		823	84.50	+4.5	6006D450	RDT8450	CW20
		840	85.00	+5.0	6006D500	RDT8500	CW20
		849	85.50	+5.5	6006D550	RDT8550	CW20
SX-R800 '03-12	2	782	82.00	Std.	6010DA	RDT8200	CW22
		791	82.50	+0.5	6010D050	RDT8250	CW22
		800	82.96	+0.96	6010D096	RDT8300	CW22
JS900 '95-96	3	891	73.00	Std.	6009DA	RDT7300	CW20
ZXI900 '95-97		903	73.50	+0.5	6009D050	RDT7350	CW20
STX900 '97-06		915	74.00	+1.0	6009D100	RDT7400	CW20
STS900 '01-02		928	74.50	+1.5	6009D150	RDT7450	CW20
ZXI1100 '96-03	3	1071	80.00	Std.	6007DA	RDT8000	CW22
STX1100 '97-99		1083	80.50	+0.5	6007D050	RDT8050	CW22
STX1100 '00-03		1097	81.00	+1.0	6007D100	RDT8100	CW22
Ultra130 '01-04		1106	81.50	+1.5	6007D150	RDT8150	CW22
		1125	82.00	+2.0	6007D200	RDT8200	CW22
		1151	83.00	+3.0	6007D300	RDT8300	CW22
		1179	84.00	+4.0	6007D400	RDT8400	CW22
		1193	84.50**	+4.5	6007D450	RDT8450	CW22
Ultra150 (1200) '95-05	3	1176	80.00	Std.	Call for details		CW24
		1191	80.50	+0.5			CW24
		1205	81.00	+1.0			CW24
STX-12F '03-07	4		83.00	Std.	Call for details	830XDS	
STX-15F '04-11	4	1500	83.00	Std.	Call for details	830XDS	
Ultra260X '09-10 8.0:1 Compression	4		83.00	Std.	Call for details	830XTY	

\*\*Crankcase cleanup and Cylinder sleeving required for 83mm thru 84.50mm bore

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/ GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES SERVICE TOOLS /HARDWARE  
CHEMICAL

# PRO-X

## PRO-X PISTON KITS

Pro-X Piston Kits are manufactured in Japan and are designed to be an O.E.M. replacement. The aluminum alloy used in the manufacturing of Pro-X pistons maintains or exceeds the factory specifications. Additional oversizes are available in .010 increments up to .080 (2.00 mm).

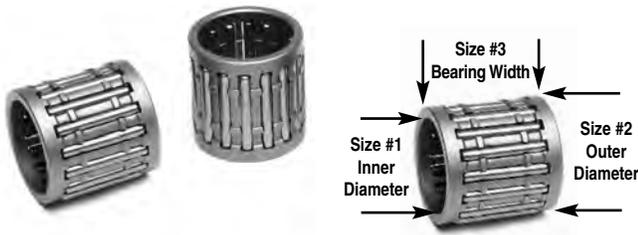


\* - Rings are available for all pistons. For Rings Part Number, put "R" after piston part number.

		STD	.010	.020	.030	.040	.050	.060	.070	.080	TOP END BEARINGS
<b>SEA DOO</b>	Std. Bore	STD	.25mm	.50mm	.75mm	1mm	1.25mm	1.5mm	1.75mm	2mm	
580 All thru 1996	76.00	<b>P8020</b> 01.5506.000			<b>P8023</b>	<b>P8024</b> 01.5506.100					50-4185
720 HX, XP, GTS, GS SPX, GTI, GSI '1995-02	82.00	<b>P8040</b> 01.5508.000	<b>P8041</b> 01.5508.025	<b>P8042</b> 01.5508.050	<b>P8043</b> 01.5508.075	<b>P8044</b> 01.5508.100		<b>P8046</b> 01.5508.150			50-4184
800 XP GSX, GTX, RFI SPX 1995-02	82.00	<b>P8050</b> 01.5511.000	<b>P8051</b> 01.5511.025	<b>P8052</b> 01.5511.050	<b>P8053</b> 01.5511.075	<b>P8054</b> 01.5511.100		<b>P8056</b> 01.5511.150			50-4184
951 XPL, GSXL, GTXL, RX, LRV 1997-07	88.00	<b>P8060</b> 01.5515.000	<b>P8061</b> 01.5515.025	<b>P8062</b> 01.5515.050	<b>P8063</b> 01.5515.075	<b>P8064</b> 01.5515.100		<b>P8066</b> 01.5515.150			01242
RXP (04-08), RXT (05-08) RXP-X (08)		01.5594.000		01.5594.050		01.5594.100					

		STD	.010	.020	.030	.040	.050	.060	.070	.080	TOP END BEARINGS
<b>YAMAHA</b>	Std. Bore	STD	.25mm	.50mm	.75mm	1mm	1.25mm	1.5mm	1.75mm	2mm	
701 All Thru 2007	81.00	<b>P7090</b> 01.2510.000	<b>P7091</b> 01.2510.025	<b>P7092</b> 01.2510.050	<b>P7093</b> 01.2510.075	<b>P7094</b> 01.2510.100		<b>P7096</b> 01.2510.150		<b>P7098</b> 01.2510.200	50-3483
760 All Thru 1998	84.00	<b>P7110</b> 01.2514.000	<b>P7111</b> 01.2514.025	<b>P7112</b> 01.2514.050	<b>P7113</b> 01.2514.075	<b>P7114</b> 01.2514.100		<b>P7116</b> 01.2514.150			50-3483
1200/GP1200 All thru '98	84.00	<b>P7110</b> 01.2574.000	<b>P7111</b> 01.2574.025	<b>P7112</b> 01.2574.050	<b>P7113</b> 01.2574.075	<b>P7114</b> 01.2574.100		<b>P7116</b> 01.2574.150			50-3483
800 All thru 2002 GP1200 R 2000-02 XL1200 LTD 1998-00 XLT1200 2001-02 GP1300 R 2003-07	79.90 79.91 79.92 79.93 83.90 83.91 83.92	<b>P7170A - 01.2518.A</b> <b>P7170B - 01.2518.B</b> <b>P7170C - 01.2518.C</b> <b>P7170D - 01.2518.D</b> <b>P7190A - 01.2520.A</b> <b>P7190B - 01.2520.B</b> <b>P7190C - 01.2520.C</b>		01.2518.050 (80.50mm)		01.2518.100 (81.00mm)					01343
				01.2519.050 (84.50mm)		01.2519.100 (85.00mm)					

		STD	.010	.020	.030	.040	.050	.060	.070	.080	TOP END BEARINGS
<b>KAWASAKI</b>	Std. Bore	STD	.25mm	.50mm	.75mm	1mm	1.25mm	1.5mm	1.75mm	2mm	
JS750 SS, XS, Xi 1993-97	80.00	<b>P4480</b> 01.4510.000		<b>P4482</b> 01.4510.050	<b>P4483</b> 01.4510.075	<b>P4484</b> 01.4510.100		<b>P4486</b> 01.4510.150	<b>P4487</b>		50-3302
JS750 ZXi, SXi 95-98	80.00		<b>P4491</b> 01.4514.025	<b>P4492</b> 01.4514.050		<b>P4494</b> 01.4514.100					50-3302
800SX-R 2003-07	82.00	<b>P4510</b> 01.4523.000	<b>P4511</b> 01.4523.025	<b>P4512</b> 01.4523.050	<b>P4513</b> 01.4523.075	<b>P4514</b> 01.4523.100					50-3304
JS900 ZXi, STX 1995-06	73.00	<b>P4500</b> 01.4520.000	<b>P4501</b> 01.4520.025					<b>P4506</b> 01.4520.150			50-3304
JS1100 ZXi 1996-98	80.00		<b>P4491</b> 01.4514.025	<b>P4492</b> 01.4514.050							50-3304



## TOP END (WRIST PIN) BEARINGS

Kawasaki	OEM No.	Size (1x2x3)	Part No.
300	1986-93	13033-1010 18x22x24	50-3272
440	1977-92	13033-3005 16x20x22.5	50-3122
550	1982-95	13033-3005 16x20x22.5	50-3122
650 SX,X2,TS,SC	1986-96	13033-1010 18x22x24	50-3272
750 ST,SX,SS,XiR,Supersport Xi	1992-95	13033-3702 20x25x25	50-3302
900 ZXI,STX 1995-06	13033-3702	20x25x25	50-3302
750 ZXI,STX,SXi,STS,Xi Sport,SXi Pro.Supersport Xi	1996-02	13033-3703 22x27x24.7	50-3304
800 SXR	2003-12	22x27x24.7	50-3304
1100 ZXi,STX 1996-02	13033-3703	22x27x24.7	50-3304
Ultra 150,STX-R	13033-3704	24x29x25	50-4186

Polaris	OEM No.	Size (1x2x3)	Part No.
650	1987-92	3083216 18x23x21.5	50-3496
750	1987-92	3083216 18x23x21.5	50-3496
780	1987-92	3083216 18x23x21.5	50-3496
700	1995-97	3584001 20x25x21.7	50-4182
900	1997-02	3584001 20x25x21.7	50-4182
1050	1998-02	3584001 20x25x21.7	50-4182

Tiger Shark	OEM No.	Size (1x2x3)	Part No.
640/900/1000 1993-99	—	20X26X24	B1024

Sea Doo	OEM No.	Size (1x2x3)	Part No.
580	1988-96	290.832.320 18x22x22	50-4185
650	1993	290.832.440 20x24x23	50-4184
650	1994-95	20x25x21.7	50-4182
720	1995-02	290.832.420 20x24x23	50-4184
785	1995-02	290.832.420 20x24x23	50-4184
951	1997-02	290.832.550 21x25x24	01242

Yamaha	OEM No.	Size (1x2x3)	Part No.
500	1987-92	20x24x23	50-4184
650 thru 1996	933310-320U200	20x25x25	50-3302
701/760 thru 2012*		20x25x24	50-3483
1100	1995-97	20x25x24	50-3483
1200 (65U)	1997-02	20x25x24	50-3483
800	1998-02	22x27x23	01343
1200 (66V)	1998-02	22x27x23	01343

\*Must use OEM Washer

## BIG END (CRANK PIN) BEARINGS

Sea Doo	Size	Part No.
720	26 x 33 x 18	01321
785	28 x 35 x 18	01323

Yamaha	Size	Part No.
650/701/760/1100	25 x 32 x 20	01325



Kawasaki	Size	Part No.
JS/JF-650	24 x 32 x 20	01315
JS750 93-95	26 x 34 x 20	01317
JS900ZXI	24 x 34 x 20	01317
JS1100ZXI	24 x 34 x 20	01317

Polaris	Size	Part No.
650/750/780	24 x 32 x 16	01329

## HOT ROD THRUST WASHERS

Determine part number by size.

ID Size	Thickness	Part No.
25mm X	1mm	W111
26mm X	1mm	W113
28mm X	1mm	W116
32mm X	1mm	W118



## THRUST WASHERS

Determine part number by size.

ID Size	Thickness	Part No.
24mm X	1mm (coated)	TW4942
25mm X	1mm	TW4968



## PRO-X SEA-DOO PERFORMANCE STEEL VALVES

Pro-X has developed these valves for the Sea-Doo GTX-4TEC '03-08 and RXP/RXT '04-08.

ID Size	Thickness	Part No.
Pro-X Sea Doo Exhaust Valves		28.5594-1
Pro-X Sea Doo Intake Valves		28.5594-2

\*Pro-X Sea Doo Performance Valves are sold piece.



## PRO-X CAM CHAINS

Manufactured by Borg Warner in Japan to OEM specifications. Strong M-type chain with heat treated pins for maximum performance and durability.

Description	Part No.
Yamaha FX140 (02-08)	31.1997
Yamaha VX1100 (07-08)	31.1997
Kawasaki STX-12F (03-07)	31.4903
Kawasaki STX-15F (04-08)	31.4903
Kawasaki Ultra 250X (07-08)	31.4907
Kawasaki Ultra 260X (09-10)	31.4907



## PRO-X VALVE SHIM KIT

Easy and economical replacement shims. Precision machined to match the exact size. Specific heat-treatment ensuring hardness to offer maximum durability and less wear.

Description	Part No.
Pro-X Valve Shim Kit	29.VSA948

\*This Pro-X Valve Shim Kit is for

Kawasaki:  
STX-12F (03-04), STX-15F (04-09),  
Ultra LX (07-09), Ultra 250X (07-08),  
Ultra 260X (09-10)

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES SERVICE TOOLS /HARDWARE  
CHEMICAL

# HOT PRODUCTS CONNECTING RODS

Heavy duty replacement rods are used in many racing applications because of proven reliability. Kits are complete with top and bottom roller bearings, pin and shims. Made in Japan.



Sea Doo	Part No.
580	50-3520
720 (PTO)	50-3522
720 (MAG)	50-3523
785	50-3524
951	50-3525

Yamaha	Part No.
500	50-3480
650/701/760/1100/1200 (97-98)	50-3490
GP800R/XL800/GP1200R/XL1200*	50-3495

\*Crank pins are not included in kit 50-3495

Kawasaki	Part No.
450/550 All	50-3120
650 All	50-3270
750 1992-95, 900ZXI	50-3280
750ZXI/SXI/STS/STX/SS/XI 1996-02	50-3281
800 SX-R	50-3281
1100 ZXI/STX 1995-98	50-3282

## PERSONAL WATERCRAFT CONNECTING ROD DIMENSIONS

Watercraft Model	CENTER TO CENTER MM	SMALL END BORE MM	BIG END BORE MM	SMALL END WIDTH MM	BIG END WIDTH MM	PIN DIAMETER MM	PIN LENGTH MM	SMALL END BEARING MM	BIG END BEARING MM	WASHER THICKNESS MM
<b>KAWASAKI</b>										
JS 440/550	110	20	30.6	18	15	24.6	49	16X20X23	24.6X30.6X15	1
JS/JF 650	133	22	32	22	20	24	59	18X22X24	24X32X20	1
JS 750 (93-96) 20mm wrist pin	133	25	34	22	20	26	59	20X25X25	26X34X20	1
JS 750 (95-00) 22mm wrist pin	133	27	36	22	20	28	58	22X27X25	28X36X20	1
JS 900 ZXI	133	25	34	22	20	26	59	20X25X25	26X34X20	1
JS 1100 ZXI, SXI (95-00)	135	27	34	22	20	26	59	22X27X25	26X34X20	1
Ultra 150	140	29	40	22	20	32	62	24X29x25	32x40x20	1
<b>POLARIS</b>										
650/750/780 SL MAG/center	120	23	32.3	16	16	24.3	51	18X23X22	24.3X32.3X16	1
650/750/780 SL PTO	120	23	32.3	16	16	24.3	54	18X23X22	24.3X32.3X16	1
700/900/1050	136	25	35	16	16	28	60	20X25X22	28X35X16	1
<b>SEA DOO</b>										
580 thru (96)	125	22	31	17	17	24	52	18X22X22	24X31X17	1
650 thru (97)	125	25	31	17	17	24	52	20X25X22	24X31X17	1
720 XP, HX MAG (95-00)	125	24	33	18	18	26	53	20X24X22	26X33X18	1
720 XP, HX PTO (95-00)	125	24	33	18	18	26	55	20X24X24	26X33X18	1
785 XP RAVE (all)	140	24	35	18	18	28	55	20X24X23	28X35X18	1
951 RAVE (98-00)	140	25	36	20	20	28	57	21X25X24	28X36X20	1
<b>YAMAHA</b>										
650/901/760/1100 (all)	125	25	32	20	20	25	60	20X25X24	25X32X20	1
GP800, GP1200R	135	27	34	21	21	27	69	22x27x23	29x34x21	1.5

**NEW**



## RACETEMP® SAVING MOTORS EVERYWHERE!

Detect overheating and monitor engine components with the Racetemps® temperature monitoring device. Racetemps® is a small visible strip that enables machine operators to quickly and accurately determine the temperature of vital components such as: radiator, cylinder, rear shock body, clutch housings and more. This product aids in vehicle maintenance, monitoring and troubleshooting.



Temperature ranges of 107-217 & 138-248 degrees fahrenheit

Accurate within 1-2 degrees  
Reversible thermometer with long lasting adhesive  
Aids in maintenance and diagnosis

**Know it before you blow it!**

Description	Temp Range	Part No.
Race Engine Thermometer Pack of three + decal	138-248 degrees	RT138-248
Race Engine Thermometer Pack of Three and Decal	107-217 degrees	RT107-217

# HOT RODS CONNECTING RODS



Hot Rods are double forged to improve grain flow and maintain



Sea Doo	Part No.
580 1990-96	HR8166
650 1997	HR8117
720 1995-02 MAG	HR8116
720 1995-02 PTO	HR8168
785	HR8123
951 1998-05	HR8601
951 Direct Injection	HR8628

Polaris	Part No.
700/900/1050	HR8122

Yamaha	Part No.
650/701/760/1100/1200 (97-98)	HR8169
GP800/GP1200R	HR8606

Kawasaki	Part No.
650 All	HR8113
750 (92-95), 900 ZXI	HR8114
750 (96-02), 800 03-07	HR8131
1100ZXI (95-00),STX	HR8138
Ultra 150 (99-05), STX R (02-05)	HR8607



## CRANK SHAFT REPLACEMENT BEARINGS



Sea Doo	FRONT MAG. #1	FRONT MAG. #2	INNER #1	INNER #2	REAR PTO#1	REAR PTO#2
580 87-94	6206NR	6206NR	6305NR	6206NR	6207NC4	6207NC4
580 95-96	6206NC4	6206NC4	6305NR	6206NR	6207NC4	6207NC4
650 93	6206NR	6206NR	6206NC4	6206NC4	6207NC4	6207NC4
650 94-96	6206NC4	6206NC4	6206NC4	6206NC4	6207NC4	6207NC4
720 all	6206NC4	6206NC4	6206NC4	6206NC4	6207NC4	6207NC4
800 all	6207NC4	6207NC4	6207NC4	6207NC4	6306NR	6207NC4
951 all	6208NC4	6208NC4	6306NC4 (NOT AVAILABLE)	6208NC4	6208NC4	6208NC4

Yamaha						
650/701/760	010-204		6207YR	6207YR	6307NR	
1100/1200	010-204	6207YR	6207YR	6207YR	6207YR	83B727

Kawasaki						
440/550	6206NR		6305N	6305N	6206N	
650/750	6306C3		6306C3	6306NR	6306C3	
900/1100/Ultra	5207-1LT		6207NLT	83A844A (3)	83A948	

Polaris						
650/701/780	6207NC4	6207NC4	6207NC4(2)	6307NR		
700/900/1050	6207NC4	6207NC4	6207NC4	6207NC4	6207NC4	6207NC4



## CRANKSHAFT PARTS FOR SEA DOO

	Descriptions	Models	OEM No.	Part No.
A.	Distance Ring	720 Mag side – 1.5mm thick	290-827-447	010-474
B.	Distance Ring	580/650 Mag side – 2mm thick	290-827-440	010-472
C.	Distance Ring	580/650/720 Pto side		
		800 Mat & Pto – 2mm thick	290-827-760	010-473
D.	Flat Bearing Washer	580/650 (Small)	420-827-715	010-475
E.	Retainer Shim	720 (Small)	420-827-050	010-476
F.	Retainer Shim	720 (Medium)	420-827-050	010-477
G.	PTO Seal Retaining Ring	580/650/720/800 (Large)	420-827-715	010-479
H.	Thrust Washer	951		010-470
I.	Crank Center Gear	580		010-471-01
J.	Crank Center Gear	650/720/800		010-471
K.	Flywheel Nut	All Models	420-842-230	010-480

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BLGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS  
HARDWARE  
CHEMICAL



## HOT RODS NEW COMPLETE CRANKSHAFT ASSEMBLIES

All new assembly. Crankshafts are sold complete with Hot Rods Connecting rods, main bearings and inner crankshaft webs. Trued to within .001. Crankshafts are completely rebuildable.



Sea Doo	Crank Assy.
580 All	HR4008
720 All	HR4009
785 1996-04 (will not fit fuel injection models)	HR4010
951 All Carburetor Models	HR4051
951 All Injection Models	HR4052

Yamaha	
650/701/760 All	HR4003
800 GPR	HR4072
1100 Triple (63M)	HR4104
1200 Triple (65U) (No mag end bearing)	HR4004
1200 Triple (66V)	HR4069

Kawasaki	
750 96-02, 800 SX-R 03-11	HR4061
900STX 97-06	HR4088
1100ZXI 96-03	HR4087



## WSM NEW COMPLETE CRANKSHAFT ASSEMBLIES

Yamaha	Part No.
650/701/760 All	010-1025WSM



## CRANKSHAFT WEBS

OEM Kawasaki 650/750 and Yamaha cranks are non-rebuildable. In order to rebuild these crankshafts the crankshaft webs must be replaced.

Yamaha	Part No.
650/701/760/1100/1200	HR201

Kawasaki	Part No.
750 93-94 (26mm Crank Pin)	HR202
650	HR203
750ZXI/SXI (28mm Crank Pin)	HR205
900 All, 1100 97-98	HR206



## CRANKSHAFT OIL SEAL KIT

Hot Products has researched and tested these crank case seal kits to ensure the highest of quality and durable seals on the market. These seals are a direct replacements for the OEM seals. Why risk an engine failure or a short seal life with low cost seals when Hot Products has these seals in stock and ready for installation in your customers engine.

Sea Doo	Manufacturer	Part No.
580	Pro-X	42.5506
650/720	Pro-X	42.5507
785	Pro-X	42.5510
951 Outer Seals Only	Pro-X	42.5515

Yamaha	Manufacturer	Part No.
500 87-90	Hot Products	51-0048
650/701/760/1100/1200	Pro-X	42.2510
800	Pro-X	42.2518
GP1200R	Pro-X	42.2520

Kawasaki	Manufacturer	Part No.
440 73-80 (Full Circle)	Hot Products	51-0014
440 81-91/550JS/550SX	WSM	009-900
650/750/800	Pro-X	42.4505
900/1100	Pro-X	42.4519

\*Web Kit contains 2 webs without crank pin.

# HOT PRODUCTS GASKET SETS

Hot Products gasket sets consist of superior quality gaskets for engine rebuilders and the hi-performance personal watercraft market.

Hot Products offers top end and complete gaskets sets.

Made in the USA.



Sea Doo	Top	Complete
580 -91 Yellow Eng.SP/XP/GT	6400	6425
580 92+ White Eng.SP/SPI/XP/GTS	6440	6465
650 GTX/XP/XPI/SPX	6480	6500
720 SPX/GTI/HX	6600	6610
785 XP/GSX/GTX	6620	6640
800 DI	6855	6860
951 97 GSX LTD White Eng.	6825	6830
951 98 XP LTD, GSX LTD Silver Eng	6840	6842
951 DI.	6875	6880
4-Tec Gasket Technology	—	6990K
4-Tec WSM	—	007-626

Polaris	Top	Complete
650	4200	4210
750	4220	4230
700 Hurricane, Virage, Freedom	4375	4378
Octane 777	—	4860
780	4235	4240
785/Pro	4250	4260
900	4380	4383
1050	4385	4390
1200 Genesis	4394	4395

Yamaha	Top	Complete
WJ/WR500	—	51-4803
SJ/WRIII/VXR650 (90-93)	2600	2650
LX650 (90-93)	—	51-5703
701SJ-95, BLST-95, 701W/Raider 96+	2700	2750
701SJ 96+, BLST 96+	2550	2555
701W/RDR 94-95/Venture 95+	2950	2980
760W/RDR 96+/BLST II 96+/XL760	2990	2992
800 GP 98+	3520	3530
1100Raider/Venture	4520	4530
1200 GP, XL1200	4680	4685
GP1200R, XL1200LTD	3730	3740
GP1300R	3800	3810
FX140 (02-06)	—	007-670
FX140 HO (High Output) (04-08)	—	007-671
VX110 (05-08)	—	007-672

Kawasaki	Top	Complete
440 77-80	—	5350
440 81-92	—	51-1503
550 82-85	5550	5560
550 86-90	5570	5580
550SX 91-95	—	51-2403
650 All	—	5940
650 X2, TS	—	5960
750 All/800SXR	7200	—
750 SX/SXI/SXI Pro	7200	7210
750 SS/XI	7200	7220
750 SS 92-93	7200	7240
750 XIR	7200	7230
750 95 STS	7200	7225
750 ZXI 95+	7200	7245
800 SXR 03-12	7300	7310
900 ZXI 95+	7500	7520
1100 ZXI 96-98	7670	7680
Ultra 150 99+	7830	7835

Tiger Shark	Top	Complete
639	3100	3110
644	3100	3120

**\*\* Hot Products Complete Gasket Sets do not include bottom end engine seals.**

## INDIVIDUAL GASKETS FOR SEA DOO

### 580 PRE '92 SP/XP/GT (Yellow Engine)

YELLOW ENGINE	OEM No.	Part No.
Top Kit	Yellow Engine	6400
Complete Kit	Yellow Engine	6425
Head Cover O-Ring	290-950-050	6200*
Spark Plug O-Ring (2 required)	290-430-782	6220*
Cylinder O-Ring (2 required)	290-850-540	6170*
Water Jacket O-Ring (2 required)	290-850-040	6230*
Base Gasket	290-931-160	6000*
Carb Gasket 38mm (2 required)	290-842-040	6100*
Exhaust Gasket (2 required)	290-850-630	6050*
Headpipe Gasket	290-950-250	6140*
Starter Gasket	290-950-905	6120
Water Dist	290-831-612	6110
Water Mani O-Ring (2 required)	290-430-460	6240*
Flywheel Housing	290-850-600	6125
Rotary Valve Shaft O-Ring	290-831-500	6260
Rotary Valve Cover O-Ring	290-831-360	6250
Manifold O-Ring (2 carb)	290-831-705	6270
Manifold O-Ring (1 carb)	290-850-160	6275
Flywheel Cover O-Ring	290-950-130	6280

### 580 '92+ SP/SPI/XP/GTS (WHITE ENGINE)

WHITE ENGINE	OEM No.	Part No.
Top Kit	White Engine	6440
Complete Kit	White Engine	6465
Head Cover O-Ring	290-950-360	6205*
Spark Plug O-Ring (2 required)	290-430-782	6220*
Cylinder O-Ring (2 required)	293-300-026	6170*
Water Jacket O-Ring (2 required)	290-850-040	6230*
Base Gasket	290-931-161	6020.3*
Carb Gasket 38mm (2 required)	290-850-373	6100*
Carb Gasket 39mm (2 required)	270-000-114	6105*
Exhaust Gasket (2 required)	290-850-635	6060*
Headpipe Gasket	290-950-251	6150*
Starter O-Ring	278-000-694	6152
Flywheel Housing	290-850-605	6130
Rotary Valve Shaft O-Ring	293-300-023	6250
Rotary Valve Cover O-Ring	293-300-024	6260
Manifold O-Ring (2 carb)	290-831-705	6270
Flywheel Cover O-Ring	290-831-555	6278

**\* Denotes when the gasket is included in the Top End Gasket Set.**

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES SERVICE TOOLS  
/HARDWARE  
CHEMICAL

# INDIVIDUAL GASKETS FOR SEA DOO

## 951 97+ GSX LTD, XP LTD

**FOUR STROKE**  
**INTAKE SYSTEMS**  
**ENGINE/ GASKETS**  
**EXHAUST**  
**DRIVE LINE HANDLING**  
**ELECTRICAL**  
**WATERLINE /BILGE**  
**STEERING & CONTROLS**  
**BODY**  
**SERVICE TOOLS ACCESSORIES /HARDWARE**  
**CHEMICAL**

### 650 GTX/XP/XPI/SPX

	OEM No.	Part No.
Top Kit		6480
Complete Kit		6500
Head Cover O-Ring	290-950-320	6210*
Spark Plug O-Ring (2 required)	290-430-782	6220*
Cylinder O-Ring (2 required)	290-931-220	6180*
Water Jacket O-Ring (2 required)	290-850-045	6235*
Base Gasket (.012/0.3mm)	290-931-161	6020.3
Base Gasket (.017/0.4mm)	290-931-162	6020.4
Base Gasket (.020/0.5mm)	290-931-163	6020.5*
Base Gasket (.024/0.6mm)	290-931-164	6020.6
Base Gasket (.030/0.8mm)	290-931-165	6020.8
Carb Gasket 38mm (2 required)	290-850-373	6100*
Exhaust Gasket (2 required)	290-850-637	6080*
Headpipe Gasket	290-950-251	6150*
Starter O-Ring	278-000-694	6152
Flywheel Housing	290-850-605	6130
Rotary Valve Cover O-Ring	293-300-023	6250
Rotary Valve O-Ring	293-300-024	6260
Manifold O-Ring (2 carb)	290-831-705	6270
Flywheel Cover O-ring	290-831-555	6278

### 720 SPX/GTI/HX/GTS/GS

	OEM No.	Part No.
Top Kit		6600
Complete Kit		6610
Head Cover O-Ring	290-950-360	6205*
Spark Plug O-Ring (2 required)	290-430-782	6220*
Cylinder O-Ring (2 required)	290-931-410	6185*
Water Jacket O-Ring (2 required)	290-850-045	6235*
Base Gasket (.012/0.3mm)	290-931-400	6025.3
Base Gasket (.017/0.4mm)	290-931-401	6025.4
Base Gasket (.020/0.5mm)	290-931-402	6025.5*
Base Gasket (.024/0.6mm)	290-931-403	6025.6
Base Gasket (.030/0.8mm)	290-931-404	6025.8
Carb Gasket 41mm (2 required)	293-250-042	6107*
Exhaust Gasket (2 required)	290-850-637	6080*
Headpipe Gasket	290-950-251	6150*
Starter O-Ring	278-000-694	6152
Flywheel Housing	290-850-605	6130
Rotary Valve Cover O-Ring	293-300-023	6250
Rotary Valve Shaft O-Ring	293-300-024	6260
Flywheel Cover O-ring	290-831-555	6278

### 785 XP/GSX/GTX/SPX

	OEM No.	Part No.
Top Kit		6620
Complete Kit		6640
Head Cover O-Ring	290-831-550	6612*
Spark Plug O-Ring (2 required)	290-430-782	6220*
Cylinder O-Ring (2 required)	290-931-410	6185*
Water Jacket O-Ring (2 required)	290-931-420	6614*
Base Gasket (.012/0.3mm)	290-931-720	6035.3
Base Gasket (.017/0.4mm)	290-931-721	6035.4
Base Gasket (.020/0.5mm)	270-931-722	6035.5*
Base Gasket (.024/0.6mm)	290-931-723	6035.6
Base Gasket (.030/0.8mm)	290-931-724	6035.8
Carb Gasket 41mm (2 required)	293-250-042	6107*
Power Valve Gasket (2 required)	290-931-540	6618
Power Valve O-Ring (2 required)	290-430-110	6622
Exhaust Gasket	290-931-480	6082*
Head Pipe Gasket	290-931-500	6155*
Balance Shaft O-Ring	290-230-300	6624
Manifold O-Ring	290-831-765	6628
Rotary Valve Shaft O-Ring	293-300-024	6260
Starter O-Ring	278-000-694	6152
Flywheel Housing Gasket	290-931-470	6045
Flywheel Cover O-ring	290-950-360	6632
Oil Pump O-Ring	293-300-018	6255
PTO O-Ring	290430-782	6220

OEM No. Part No.

Top Kit 951 '97	White Engine	6825
Complete Kit 951 '97	White Engine	6830
Top Kit 951 '98	Silver Engine	6840
Complete Kit 951 '98	Silver Engine	6842
Head Gasket	290-931-700	6700*
Head Gasket (91.25)		6700BB
Base Gasket '97	290-931-680	6730.3*
Base Gasket '97	290-931-681	6730.4*
Base Gasket '97	290-931-682	6730.6*
Base Gasket '98	290-931-685.5	6732.5*
Base Gasket '98	290-931-686.6	6732.6*
Base Gasket '98	290-931-687.8	6732.8*
Carb Gasket 48mm (2 required)	270-500-384	6740*
Power Valve O-Ring (2 required)	290-430-110	6622*
Power Valve Housing O-Ring	290-931-670	6750*
Exhaust Gasket (2 required)	293-250-081	6760*
Headpipe Gasket 97	290-931-487	6770*
Headpipe Gasket 98	429-931-488	6775*
Stud O-Ring	290-850-460	6780
Balance Shaft O-Ring	290-230-300	6624
Starter O-Ring	278-001-159	6790
Flywheel Housing	290-931-690	6795
Oil Pump O-Ring	293-300-018	6255

### SEA DOO 800 DI

	OEM No.	Part No.
800 DI Top Kit	*	6850
800 DI Complete Kit	ALL	6855
Head Cover O-Ring	420-831-550	6612*
Spark Plug O-Ring (2 Req'd)	420-430-782	6220*
Cylinder O-Ring (2 Req'd)	420-931-410	6185*
Water Jacket O-Ring (2 Req'd)	420-931-420	6614*
Base (3 Hole 0.12)	420-931-728	6035.3
Base (4 Hole 0.16)	420-931-728	6035.4*
Base (6 Hole 0.24)	420-931-728	6035.6
Power Valve O-Ring (2 Req'd)	290-931-765	6622
Power Valve Housing O-Ring	290-931-670	6750
Exhaust	290-931-481	6082*
Headpipe	420-931-503	6155*
Balance Shaft O-Ring	290-230-300	6624
Manifold O-Ring	290-831-767	6628
Rotary Valve Shaft O-Ring	293-300-024	6260
Starter O-Ring	278-000-694	6152
Flywheel Housing Gasket	290-931-470	6045
Flywheel Cover O-Ring	290-950-360	6632
Oil Pump O-Ring	293-300-018	6255
Case Plug O-Ring	290-250-890	6650
Intake Manifold O-Ring	420-850-520	6655
Rectifier Cover O-Ring	420-850-390	6784
Bearing Cover O-Ring	420-230-300	6624
Sump Cover O-Ring	420-950-360	6205

### SEA DOO 951 DI

	OEM No.	Part No.
950 DI Top Kit	2000+	6875
950 DI Complete Kit	2000+	6880
Head	420-931-706	6705*
Base (3 Hole 0.12)	420-931-905.3	6734.3*
Base (4 Hole 0.16)	420-931-905.4	6734.4*
Base (6 Hole 0.24)	420-931-9053.6	6734.6*
Reed (Not Req'd w/Stock Reeds)		6745
Power Valve O-Ring (2 Req'd)	290-850-460	6622*
Power Valve Housing O-Ring	290-931-670	6750*
Exhaust (2 Req'd)	293-250-081	6760*
Headpipe	420-931-990	6870*
Balance Shaft O-Ring	290-230-300	6624
Starter O-Ring	278-001-159	6790
Flywheel Cover	290-931-690	6795
Oil Pump O-Ring	293-300-018	6255
Engine Bottom Cover O-Ring	420-931-880	6782
Rectifier Cover O-Ring	420-850-390	6784
Compressor	420-230-300	6624
Compressor Gasket	420-931-870	6850
O-Ring	293-300-054	6862
O-Ring	293-300-076	6865
O-Ring	293-300-070	6868



## INDIVIDUAL GASKETS FOR YAMAHA

### WAVE JAMMER, WAVE RUNNER 500

	OEM No.	Part No.
Complete Kit		51-4803
Head	6K8-1181	2000
Carb	6K8-13556	2010
Thermostat Cover	655-12414	2020
Reed	6K8-13621	2030
Oil Seal Housing	6K8-15369	2040
Flywheel Cover	6K8-81365	2050
Flame Arrestor	6K8-13674	2060
Exhaust Cover #1	6K8-41124	2070
Exhaust Cover #2	6K8-41122	2080
Exhaust Cover Inner	6K8-41112	2090
Exhaust Cover Outer	6K8-41114	2100
Muffler Damper #1	6K8-14739	2110
Muffler Damper #2	6K8-14749	2120
Silencer	6K8-14755	2130
Upper Case	6K8-45113	2140

### 650 SUPERJET 90-93, WRIII 90-93

	OEM No.	Part No.
Top Kit		2600
Complete Kit		2650
Head 77mm .050	6R7-11181	2205*
Base	6M6-11351	2220*
Carb (2 required)	6M6-13556	2230*
Top Manifold	6M6-13563	2240*
Lower Manifold	6M6-13566	2260*
Reed (2 required)	6M6-13621	2280*
Exhaust	6M6-14613	2310*
Oil Pump	6R8-13116	2340
Air Cleaner (2 required)	6M6-13674	2350
Flywheel Cover	6M6-81365	2360
Head Pipe	6R7-14755	2370
Outer Cover	6R7-41114	2380
Damper	6R7-14749	2390
Exhaust Pipe (2 required)	6M6-14739	2400
Head Cover	6M6-11193	2410

### 701 SUPERJET 94-95, BLASTER 93-95 WAVE RAIDER 96, WRIII 94-95

	OEM No.	Part No.
Top Kit		2700
Complete Kit		2750
Head 82mm .050	61X-11181A	2215*
Base	6M6-11351	2220*
Carb (2 required)	6M6-13556	2230*
Top Manifold	61X-13563	2250*
Lower Manifold	61X-13566	2270*
Reed (2 required)	61X-13621	2290*
Exhaust Green	61X-14613	2330*
Oil Pump	6R8-13116	2340
Flame Arrestor (2 required)	6M6-13674	2350
Flywheel Cover	6M6-81365	2360
Silencer (aka Head Pipe)	6R7-14755	2370
Outer Cover	6R7-41114	2380
Damper	6R7-14749	2390
Exhaust Pipe	6M6-14739	2400
Head Cover	6M6-11193	2410

\* Denotes when the gasket is included in the Top End Gasket Set.

### 701 SUPERJET 96-12 WAVE BLASTER 96

	OEM No.	Part No.
Top Kit		2550
Complete Kit		2555
Head 82mm	62T-11181	2215*
Base	6M611351	2220*
Reed (2 required)	62T-13566	2830*
Carb Manifold	62T13556	2820*
Carb Base (2 required)	-	5460
Exhaust Green	61X-14613	2330*
Oil Pump	6R8-13116	2340
Arrestor (2 required)	62T-13674	2825
Flywheel Cover	6M6-81365	2360
Head Pipe	6R7-17455	2370
Outer Cover	6R741114	2380
Damper	6R7-14749	2390
Exhaust Pipe	6M6-14739	2400

### 701 WAVE RAIDER 94-95, WAVE VENTURE 95+

	OEM No.	Part No.
Top Kit		2950
Complete Kit		2980
Head Green	62T-11181	2810*
Base	6M6-11351	2220*
Carb Base	62T-14398	5030*
Carb Manifold	62T-13556	2820*
Air Cover	62T-13674	2825
Flywheel Cover	6M6-81365	2360
Reed (2 required)	62T-13566	2830*
Exhaust Green	62T-14613	2850*
Muffler Damper 1	62T-14739	2860
Head Pipe	62T-14749	2870
Exhaust Outer Cover #1	62T-41114	2880
Exhaust Inner Cover	62T-41122	2890
Exhaust Outer Cover #2	62T-41124	2900
Oil Pump	6R8-13116	2340
Ignition Box Cover	6M6-81921	2116A

### 760 WAVE RAIDER 96+, BLASTER II 96+, XL760W

	OEM No.	Part No.
Top Kit		2990
Complete Kit		2992
Head .025 Stainless	64X-11181	3200*
Head .050 86mm	Ultimate	3210
Base	6M6-11351-A2	3205*
Carb Base (2 required)	62T-14398	5460*
Carb Manifold	64X-13556	3220*
Arrestor (2 required)	64X-13674	3230*
Reed (2 required)	62T-13566	2830*
Exhaust Green	62T-14613	2850*
Flywheel Cover	6M6-81365	2360
Head Pipe	64X-14749	2870
Exhaust Outer Cover #1	62T-41114	2880
Exhaust Inner Cover	62T-41122	3240
Outer Cover Exhaust	62T-41124	3250
Oil Pump	6R8-13116	2340

### GP800 98+

	OEM No.	Part No.
Top Kit		3520
Complete Kit		3530
Head .025 Stainless		3400*
Head .050 82mm	Ultimate	3410
Base (2 required)		3420*
Carb Base		5460
Carb Manifold		3430*
Exhaust Green		3450*
Head Pipe		3460
Power Valve (2 required)		3470
Exhaust Section		3480
Oil Pump		2340

FOUR  
STROKE

INTAKE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGE

STEERING  
& CONTROLS

BODY

ACCESSORIES

SERVICE TOOLS  
/HARDWARE

CHEMICAL

# INDIVIDUAL GASKETS FOR YAMAHA

## 1100 WAVE VENTURE / WAVE RAIDER

	OEM No.	Part No.
Top Kit		4520
Complete Kit		4530
Head .050 82mm	63M-11181	4400*
Base	63M-11351	4415*
Carb Base	63M-14398	5030
Carb Manifold	63M-13556	4420*
Reed (2 required)	63M-13566	4430*
Exhaust	63M-14613	4450*
Muffler Damper 1	63M-14739	4455
Muffler Damper 2	63M-14749	4460
Exhaust Outer Cover (2 required)	63M-41114	4470
Exhaust Inner Cover	63M-41122	4480
Head Cover	63M-11193	4500
Flywheel Cover	63M-81365	4505
Oil Pump	63M-13116	4510

## YAMAHA GP 1200, XL 1200 98+

	OEM No.	Part No.
Top Kit		4680
Complete Kit		4685
Head .025 86mm	65U-11181	4600*
Head .050 86mm Green	Ultimate	4610
Base	65U-11351	4615*
Carb Base XL 1200 W	65U-13556	5460
Carb Manifold	64X-14162	4620*
Spark Arrester	-	4630
Reed (2 required)	65U-13566	4430*
Exhaust	65U-14613	4650*
Muffler Damper 1	63M-14739	4455
Head Pipe	63M-14749	4460
Exhaust Outer Cover (2 required)	63M-41114	4470
Exhaust Inner Cover	63M-41122	4480
Head Cover	63M-11193	4500
Flywheel Cover	63M-81365	4505
Oil Pump	63M-13116	4510

## YAMAHA GP 1200R, XL 1200LTD

	OEM No.	Part No.
Top Kit		3730
Complete Kit		3740
Head .025 Stainless Steel	66V-11181	3600*
Base (3 Required)	66E-11351	3420*
Carb Base (3 Required)	66E-14398	3425*
Carb Manifold	66V-13558	3620*
Reed	-	3435
Reed Center	-	3440
Power Valve (3 Required)	66E-1131B-0	3470
Exhaust Green	66V-14613	3650
Head Pipe	66V-14739	3660
Chamber	66V-14749	3670
Outer Cover #1	66V-41114	3680
Outer Cover #2	66V-41124	3690
Tail Cone	66V-14623	3700
Starter O-Ring	1FK-81847	3490
Oil Pump	63M-13116	2340
Head Cover	66V-11193	3610

\* Denotes when the gasket is included in the Top End Gasket Set.

## YAMAHA 1300 GPR

	OEM No.	Part No.
1300 Top Kit		3800
1300 Complete Kit		3810
Head .025 Stainless Steel	66V-11181	3605*
Base (3 Req'd)	66E-11351	3420*
Manifold		3620*
Reed	NOE	3435
Reed Center	NOE	3440
Power Valve (3 Req'd)	66E-1131B-01	3470
Exhaust	66V-14613	3650
Head Pipe	66V-14739	3660
Chamber	66V-14749	3670
Outer Cover #1	66V-41114	3680
Outer Cover #2	66V-41124	3690
Tail Cone	66V-14623	3700
Starter O-Ring	1FK-81847	3490
Oil Pump	63M-13116	2340



## INDIVIDUAL GASKETS FOR KAWASAKI

### 440 ALL

	OEM No.	Part No.
Complete Kit 77-80		51-1203
Complete Kit 81-92		51-1503
Head	11004-3707	5200
Base	11009-505	5240
Intake	11009-3785	5250
Carb Base 38mm	11009-3786	5030
Housing Pre 82	92065-515	5270
Exhaust	11009-3779	5280
Headpipe Green	11060-3710	5290
Arrester 38mm	11060-3702	5080

### 550 1982-85, 1986-90

	OEM No.	Part No.
Top Kit 1982-85		5550
Complete Kit 1982-85		5560
Top Kit 1986-90		5570
Complete Kit 1986-90		5580
Head All	11004-3709	5400*
Base	11009-3782	5430*
Intake (2 required)	11009-3785	5250*
Carb Base 38mm Pre 86	11009-3786	5030*
Carb Base 44mm 86-90	11060-3743	5460*
Exhaust	11009-3779	5280*
Headpipe Pre-86	11009-3051	5480
Conn Pipe Lower Pre 86	11060-3730	5490
Headpipe	11060-3726	5500
Conn Pipe 86-90	11060-3727	5510
Chamber 86-90	11060-3278	5520
Arrester 38mm Pre 86	11060-3702	5080
Arrester 44mm 86-90	11060-3744	5540



## INDIVIDUAL GASKETS FOR KAWASAKI

### 550sx 1991-95

	OEM No.	Part No.
Complete Kit		51-2403
Head .010 Stainless	11004-3706	51-2409
Head .047 Green		5610
Base .010 Stainless	11009-3780	5630
Base .020 Fiber		5635
Reed	11009-3787	5640
Intake	11009-3788	5650
Keihin 38mm	11060-3716	5660
Exhaust	11009-3779	5280
Headpipe	11060-3726	5500
Conn Pipe	11060-3727	5510
Chamber	11009-2446	5520

### KAWASAKI 650, X2/TS/SC

	OEM No.	Part No.
650 Complete		5940
650 X2, TS Complete		5960
Head .010 Stainless	11004-3710	5800
Head .040 Green	Ultimate	5830
Base	11009-3775	5850
Reed	11009-3731	5860
Keihin 28mm Carb Base	11009-3747	5870
Keihin 38mm Carb Base	11060-3716	5660
Exhaust	11009-3722	5880
Head Pipe	11009-3752	5890
Head Pipe 46mm ID Green	11009-3752	5900
Muffler TS	11060-3718	7120
X-2 Conn Pipe	11009-3724	5910
Control Valve All	11060-3723	7150

### 750SX, SXI, SXI PRO

	OEM No.	Part No.
Top Kit	All 750	7200
Complete Kit	SX/SXI	7210
Head .010 Stainless	11004-3714	7000*
Base	11060-3711	7040*
Reed A SX(4pcs) SXI(2pcs)	11060-3717	7050*
Reed B SXI(2pcs)	11060-3757	7430*
40mm Carb	11060-3716	7060*
40mm Carb SXI 96+	11060-3761	7065*
Exhaust (2 required)	11060-3759	7070*
Head Pipe SX, SXI	11060-3712	7080
Upper Muffler SX, SXI	11060-3713	7090
Muffler SX, SXI	11060-3714	7140
Control Valve All	11060-3723	7150

\* Denotes when the gasket is included in the Top End Gasket Set.

### 750 SS, XI, XIR

	OEM No.	Part No.
Top Kit	All 750	7200
Complete Kit	SS/XI	7220
Complete Kit	SS 92-93	7240
Complete Kit	XIR	7230
Head .010 Stainless	11004-3714	7000*
Base All	11060-2711	7040*
Reed (4pcs) SS92+, XI93-95, XI	11060-3717	7050*
Reed A XI 96 (2 pcs)	11060-3717	7050*
Reed B XI 96 (2 pcs)	11060-3757	7430*
40mm Carb SS, XI, XIR	11060-3716	7060*
40mm Carb XI 96	11060-3758	7060*
Exhaust All	11060-3721	7070
Head Pipe SS 92-93	11060-3720	7100
Head Pipe SS 94+, ST, XI 93+	11060-3732	7110
Head Pipe (XIR)	11009-3752	5900
Muffler XI, SS	11060-3718	7120
Control Valve All	11060-3723	7150

### 750 STS, ZXI

	OEM No.	Part No.
Top Kit	ALL 750	7200
750 Complete	95 STS	7225
750 Complete	ZXI 95+	7245
Head .010 Stainless	11004-3714	7000*
Base All	11060-3711	7040*
Reed A ZXI, STS (2), ST (4)	11060-3717	7050*
Reed B ZXI, STS (2)	11060-3757	7430*
40mm Carb ZXI, STS (2)	11060-3758	7060*
Exhaust STS 95-96, ZXI (2)	11060-3721	7070*
Headpipe 95 STS	11060-3732	7110
Headpipe 96 STS	11060-3771	7115
Headpipe ZXI 95-96	11060-3754	7470
Muffler 1 95 STS	11060-3718	7120
Exhaust Joint STS 96	11060-3763	7125
Muffler 1 96 STS	11060-3766	7135
Muffler 2 96 STS	11060-3770	7145
Muffler ZXI 95-96	11060-3755	7480
Control Valve All	11060-3723	7150

### KAWASAKI 800 SXR

	OEM No.	Part No.
800 Top Kit		7300
800 Complete Kit		7310
Head Stainless Steel .010	11004-3720	7005*
Base SXR	11060-3711	7040*
Reed SXR (4 required)	11060-3717	7050*
Reed SXR (2 required)	11060-3757	7430*
40mm Carb SXR (2 required)	11060-3761	7067*
Exhaust SXR (2 required)	11060-3759	7075*
Headpipe SXR	11060-3712	7080
Upper Muffler SXR	11060-3713	7090
Muffler SXR	11060-3714	7140

### KAWASAKI 900 ZXI 95+

	OEM No.	Part No.
Top Kit		7500
Complete Kit		7520
Head .010 Stainless	11004-3713	7400*
Head .040 Fiber		7410
Base	11060-3752	7420*
Reed Engine (3 required)	11060-3717	7050*
Reed Carb (3 required)	11060-3757	7430*
Exhaust (3 required)	11060-3756	7450*
Carb Base	11060-3753	7460
Headpipe	11060-3754	7470
Muffler	11060-3755	7480

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS  
HARDWARE  
CHEMICAL

## KAWASAKI 1100ZXI 96-98

	OEM No.	Part No.
Top Kit		7670
Complete Kit		7680
Head .010 Stainless	11004-3715	7600
Head .040 Fiber		7605
Base	11060-3760	7615
Reed Engine	11060-3717	7050
Reed Carb	11060-3757	7630
Exhaust Manifold	11060-3767	7650
Carb Base Gasket (3 required)	11060-3775	7652
Carb Base Gasket (1 required)	11060-3776	7655
Exhaust Head Pipe	11060-3768	7660
Headpipe to Muffler	11060-3769	7665

## KAWASAKI ULTRA 150 99+

	OEM No.	Part No.
Top Kit		7830
Complete Kit		7835
Head Stainless Steel .010*	11004-3717	7700*
Base	11060-3783	7715*
Water Pipe	11060-3785	7720
Reed (3 Req'd)	11060-3717	7050*
Reed Carb (3 Req'd)	11060-3757	7630*
Exhaust (3 Req'd)	11060-3785	7750*
Carb (3 Req'd)	11060-3788	7760
Head Pipe	11060-3786	7770
Exhaust Body	11060-3787	7780
Flywheel Cover	11060-3803	7790

# INDIVIDUAL GASKETS FOR POLARIS

## 700 HURRICANE, VIRAGE, FREEDOM

	OEM No.	Part No.
Top Kit		4375
Complete Kit		4378
Head O-Ring (2 required)	5410931	4300*
Cylinder O-Ring (2 required)	5410932	4305*
Spark Plug O-Ring (2 required)	5410917	4310*
Base (2 required)	5811057	4315*
Base Virage-Freedom (2 required)	5811784	4805*
Reed Engine Side	N.O.E	4317
Reed Carb Side	N.O.E	4319
Carb (2 required)	5830043	4320*
Arrestor	5830062	4325
Exhaust (2 required)	5811045	4330*
Headpipe (2 required)	5830051	4335*
Flywheel Cover	5811145	4337
Water Manifold (2 required)	5830061	4339
Oil Pump O-Ring	5411056	4340
Thermostat Housing	5410860	4353
Crank O-Ring	5410613	4356
Starter O-Ring (2 required)	3240114	4359

## POLARIS 650/750

	OEM No.	Part No.
650 Top Kit		4200
650 Complete Kit		4210
750 Top Kit		4220
750 Complete Kit		4230
Head 650 .010 Stainless (3 req'd)	3240057	4000*
Head 750 .040 Stainless (3 req'd)	3240213	4010*
Head 650 .040 Fiber	Ultimate	4020
Base .020 (3 required)	3240055	4040*
Reed(6 required)	3084148	4050*
Carb (6 required)	3240128	5030*
Arrestor	5830013	4065
Exhaust (3 required)	5211489	4070*
Headpipe	5830038	4080*
Water Manifold (3 required)	3082937	4100
Thermostat Housing	5410781	4110
Oil Pump O-Ring	3083127	4112
Starter O-Ring (2 required)	3240114	4359

## POLARIS 780, 785 PRO

	OEM No.	Part No.
Head 780 Stainless (3 required)	3240251	4035*
Head 785 Stainless (3 required)	3240305	4037*
Base (3 required)	3240249	4040*
Reed (3 required)	3084148	4050*
Carb (3 required)	3240128	5030*
Carb 785 (3 required)	3240358	9240*
Arrestor (3 required)	5830013	4065*
Arrestor 785 (3 required)	5830115	5540*
Exhaust	5211623	4077*
Exhaust 785	5211725	4078
Exhaust 785 O-Ring (6 required)	5411311	4079
Head Pipe	5830038	4080*
Power Valve 785 (3 required)	3240313	4085
Water Manifold	3082937	4100
Oil Pump O-Ring	3083127	4112
Thermostat Housing	5410781	4110
Starter O-Ring	3240114	4359

## POLARIS 900/1050

	OEM No.	Part No.
Top Kit 900		4380
Complete Kit 900		4383
Top Kit 1050		4385
Complete Kit 1050		4390
Head O-Ring (3 required)	5410931	4300*
900 Cylinder O-Ring (3 required)	5411044	4303*
1050 Cylinder O-Ring (3 required)	5410932	4305*
Spark Plug O-Ring (3 required)	5410917	4310*
Base 900 (3 required)	5811057	4315*
Base 1050 (3 required)	5830123	4316
Reed		4318
Carb (3 required)	5830043	4320
Arrestor	5830062	4325
Exhaust (3 required)	5811045	4330*
Headpipe	5830051	4335
Flywheel Cover	5811145	4337
Water Manifold	5830061	4339
Oil Pump O-Ring	5411056	4340
Thermostat Housing	5410860	4353
Crank O-Ring	5410613	4356
Starter O-Ring	3240114	4359

# INDIVIDUAL GASKETS FOR TIGER SHARK

## TIGER SHARK 639, 644

	OEM No.	Part No.
Top Kit 639/644		3100
639 Complete Kit		3110
644 Complete Kit		3120
Head	3008-174	3000*
Head 639,644 77MM .040	Ultimate	3010
Base	3008-050	3030*
Reed (4 required)	3008-076	3040*
Carb Base 44mm	3008-057	5460*
Exhaust (2 required)	3008-080	3060*
Head Pipe	3008-081	3070
Connector Pipe 644 only	3008-082	3080
Air Cleaner	3008-058	3090

\* Denotes when the gasket is included in the Top End Gasket Set.

# INDIVIDUAL GASKETS BY SECTION



Sea Doo Cylinder	Type	Part No.
O ring set 580 92+	O-Ring	6170
O ring set 650	O-Ring	6180
O ring set 720/785	O-Ring	6185
951 (carb) 97+	Metal 88-90mm	6700
951 (carb) 97+	Metal 91.25mm	6700BB
951 DI	Metal 88-90mm	6705
4-Tec Gasket Technology	Metal	6900
4-Tec WSM	Metal	007-399-05
4-Tec Cometic	Metal (101mm)	C6223

Sea Doo Head Cover	Type	Part No.
O ring 580 Yellow Engine	O-Ring	6200
O-Ring 580 White Engine/720	O-Ring	6205
O ring 650	O-Ring	6210
O ring 785	O-Ring	6612

Polaris	Thickness	Type		Part No.
650	0.040	Green	(3 Required)	4020
750	0.040	Green	(3 Required)	4030
650	0.010	Metal	(3 Required)	4000
750	0.010	Metal	(3 Required)	4010
780	0.010	Metal	(3 Required)	4035
785	0.010	Metal	(3 Required)	4037

Polaris Head O-Ring	Part No.
700 Hurricane/900/1050	4300

Polaris Cylinder O-Ring	Part No.
700 Hurricane/1050	4305
900	4303

## HEAD GASKETS

Head gaskets for all applications including high performance racing applications. All gaskets meet or exceed the OEM manufacturers specifications.

Head gaskets are available in:  
Metal, Copper, and "Ultimate" Green fiber.

Yamaha	Thickness	Type	Part No.
500 All	0.040	Fiber	2000
500 All	0.050	Green	2005
650 All 77mm	0.050	Green	2205
701 All 82mm	0.050	Green	2215
701 W/Raider	0.050	Green	2810
760 86mm	0.050	Green	3210
GP800	0.050	Green	3410
1100 82mm	0.050	Green	4400
1200 86mm	0.050	Green	4610
760 86mm	0.025	Metal	3200
GP800	0.050	Metal	3400
1200 86mm	0.025	Metal	4600
GP1200R,XL1200LTD	0.025	Metal	3600
FX140	—	Metal	007-593-05
FX140 HO (04-08)	—	Metal	007-593-06
VX110 (05-08)	—	Metal	007-593-03
1.8L Engine	—	Metal	C6221

Kawasaki	Thickness	Type	Part No.
440 77-80	0.040	Fiber	51-1206
440 81-92	0.040	Fiber	5200
550 82-90	0.040	Fiber	5400
550 91-95	0.047	Green	5610
650 84MM	0.040	Fiber	51-2707
650 All	0.040	Green	5830
750 All	0.040	Green	7020
900 ZXI	0.040	Green	7410
1100 ZXI	0.040	Green	7605
550 91-	0.010	Metal	51-2409
650 All	0.010	Metal	5800
750 All	0.010	Metal	7000
900 ZXI	0.010	Metal	7400
1100 ZXI	0.010	Metal	7600
550 91-	0.020	Copper	51-2410
800 SX-R	0.010	Metal	7005
800 SX-R	0.005	Copper	H1896005C
Ultra250/260/300		Metal (84mm)	C6222

# ThreeBond



1211 (White)



1207 B (Black)

## THREE BOND SILICON GASKET

### #1211 (White) Silicon Liquid Gasket

High grade silicon liquid gasket used by many OEM's in aluminum case assembly. 1211 is tack free in 90 minutes and fully cured in 24 hours.

### #1207B (Black) Quick Dry Silicon Gasket

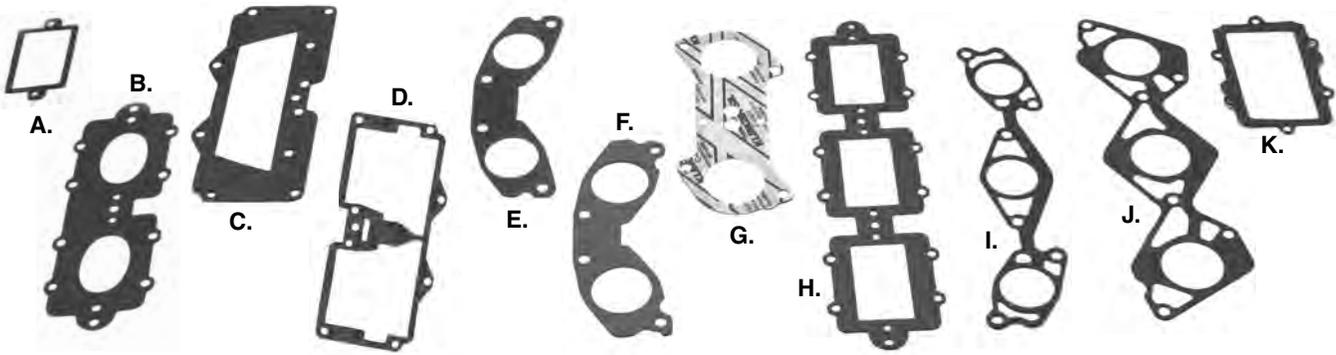
Crankcase sealer for large gaps, sheet metal, tough to seal areas, and vertical applications. 1207B is tack free in 5 minutes and fully cured in 24 hours.

Descriptions	Part No.
Silicon Liquid Gasket (White)	1211AT100
Quick Dry Silicon Liquid Gasket (Black)	1207B100G

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/ GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES SERVICE TOOLS /HARDWARE  
CHEMICAL

# INDIVIDUAL GASKETS BY SECTION

## INTAKE & REED GASKETS (Intake Manifold to Cylinder or Cases)



	<b>Yamaha</b>	<b>OEM#</b>	<b>Part No.</b>
A.	701 Reed	61X-13621	<b>2290</b>
B.	760 W/Rdr Reed/701 96+	62T-13566	<b>2830</b>
C.	701 Top Manifold	61X-13563	<b>2250</b>
D.	701 Lower Manifold	61X-13566	<b>2270</b>
E.	SJ,W/Blster 701 96+/WRdr 701	62T-13556	<b>2820</b>
F.	760 Carb Manifold	64X-13556	<b>3220</b>
G.	800 Carb Manifold	64E-13556	<b>3430</b>
H.	1100/1200 Reed	63M-13566	<b>4430</b>
I.	1100 Carb Manifold	64M-13556	<b>4420</b>
J.	1200 Carb Manifold	64X-14162	<b>4620</b>
K.	GP1200R/XLL1200 Reed		<b>3435</b>

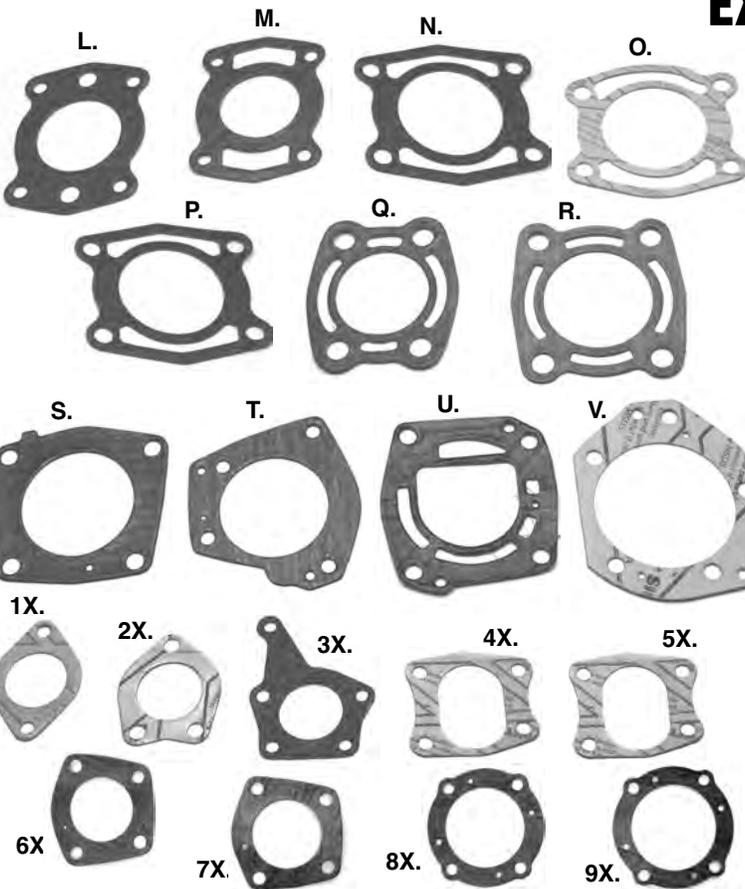
	<b>Yamaha</b>	<b>OEM#</b>	<b>Part No.</b>
	500 Reed	6K8-13261	<b>2030</b>
	650 All Reed	6M6-13621	<b>2280</b>
	650 Top Intake	6M6-13563	<b>2240</b>
	650 Bottom Intake	6M6-13566	<b>2260</b>

	<b>Kawasaki</b>	<b>OEM#</b>	<b>Part No.</b>
	440/550 Intake	11009-3785	<b>5250</b>
	550SX Intake	11009-3788	<b>5650</b>
	550SX Reed	11009-3787	<b>5640</b>
	650 All Reed	11060-3703	<b>5860</b>
	750/900/1100 Engine	11060-3717	<b>7050</b>
	750/900/1100 Reed Carb	11060-3757	<b>7430</b>

	<b>Polaris</b>	<b>OEM#</b>	<b>Part No.</b>
	650/750/780/785 Reed	308448	<b>4050</b>
	900/1050/Reed		<b>4318</b>
	700/Hurricane Reed Engine Side		<b>4317</b>
	700/Hurricane Reed Carb Side		<b>4319</b>



## EXHAUST HEADPIPE GASKETS



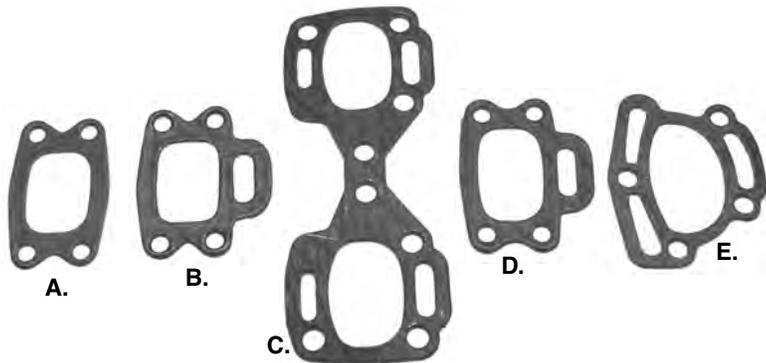
	<b>Sea Doo</b>	<b>OEM#</b>	<b>Part No.</b>
L.	580 -92	290-950-250	<b>6140</b>
M.	580 92+/650/720	290-950-251	<b>6150</b>
N.	785	290-931-500	<b>6155</b>
O.	951 97	290-931-487	<b>6770</b>
P.	951 98+	290-250-080	<b>6775</b>

	<b>Polaris</b>	<b>OEM#</b>	<b>Part No.</b>
Q.	650/750/780/785	5830038	<b>4080</b>
R.	700/Hurricane/900/1050	5830051	<b>4335</b>

	<b>Yamaha</b>	<b>OEM#</b>	<b>Part No.</b>
S.	650/701	6R7-14755	<b>2370</b>
T.	701 WRD 94-95	62T-14749	<b>2870</b>
T.	760	64X-14749	<b>2870</b>
U.	1100/1200	63M-14749	<b>4460</b>
V.	800	66E-14749	<b>3460</b>

	<b>Kawasaki</b>	<b>OEM#</b>	<b>Part No.</b>
1X.	440/550	11009-3051	<b>5290</b>
2X.	650 All (46mm ID)	11009-3752	<b>5900</b>
3X.	750 SX/SXi/800 SXR	11060-3712	<b>7080</b>
4X.	750 SS 92-95	11060-3720	<b>7100</b>
5X.	750 Xi 93-96	11060-3732	<b>7110</b>
6X.	900 (Headpipe)	11060-3754	<b>7470</b>
7X.	1100 (Headpipe)	11060-3768	<b>7760</b>
8X.	900 (Muffler)	11060-3755	<b>7480</b>
9X.	1100 (Muffler)	11060-3769	<b>7665</b>

# INDIVIDUAL GASKETS BY SECTION (Cylinder to Manifold)



## EXHAUST MANIFOLD GASKETS

(cylinder to manifold)

Sea Doo	OEM#	Part No.
A. 580 All -91	420-850-632	6050
B. 580 All 92+	290-850-635	6060
C. 785	290-931-480	6082
D. 650/720	290-850-637	6080
E. 951	290-250-081	6760

## EXHAUST MANIFOLD GASKETS

(cylinder to manifold)

Polaris	OEM#	Part No.
F. 650/750	5211489	4070
G. 700/Hurricane/900/1050	5811045	4330
H. 780	5211623	4077
I. 785	5211725	4078

## EXHAUST MANIFOLD GASKETS

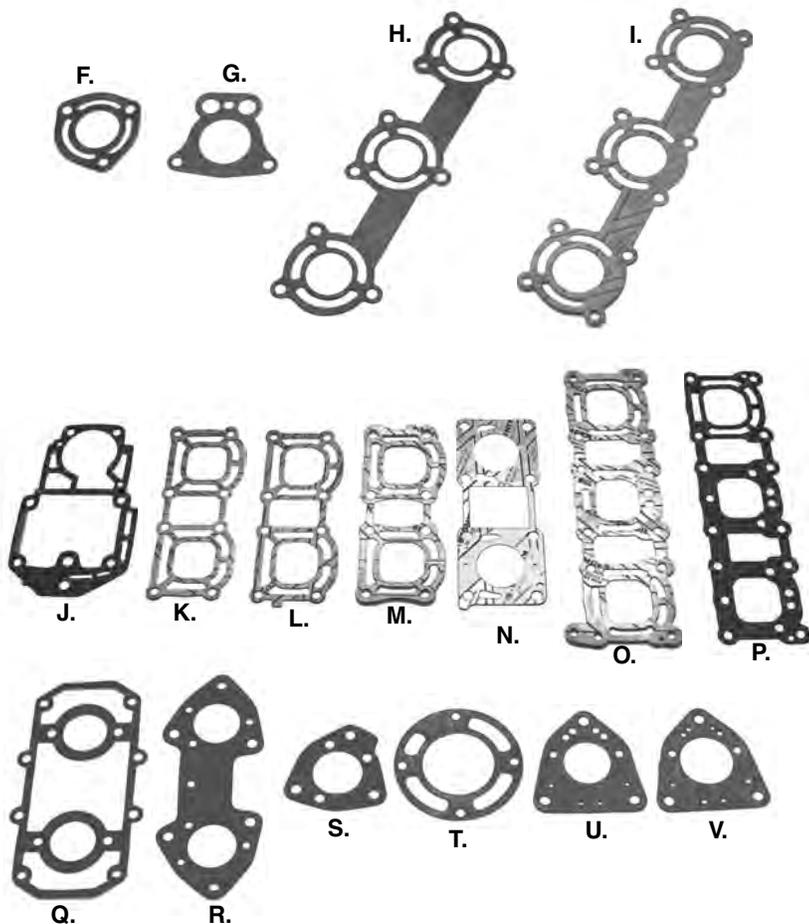
(cylinder to manifold)

Yamaha	OEM#	Part No.
J. 500	6K8-45113	2140
K. 650 All	6M6-14613	2310
L. 701	61X-14613	2330
M. 701/760 W/Rdr	62T-14613	2850
N. 800	66E-14613	3450
O. 1100	63M-14613	4450
P. 1200	65W-14613	4650

## EXHAUST MANIFOLD GASKETS

(cylinder to manifold)

Kawasaki	OEM#	Part No.
Q. 440/550	11009-3779	5280
R. 650 (86-90)	11060-3739	5880
S. 650/750/800 SXR	11060-3759	7075
T. 750 SS-X1	11060-3718	7120
U. 900	11060-3756	7450
V. 1100	11060-3767	7650



Weber Motor  
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FOUR STROKE	INTAKE SYSTEMS	ENGINE/ GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES SERVICE TOOLS /HARDWARE	CHEMICAL
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# INDIVIDUAL GASKETS BY SECTION



## BASE GASKETS

Sea Doo	OEM#	Part No.
580 -91	290-850-775	6000
580 92+/650	290-931-161	6020.3
580 92+/650	290-931-162	6020.4
580 92+/650	290-931-163	6020.5
580 92+/650	290-931-164	6020.6
580 92+/650	290-931-165	6020.8
720 0.3mm	290-931-400	6025.3
720 0.4mm	290-931-401	6025.4
720 0.5mm	290-931-402	6025.5
720 0.6mm	290-931-403	6025.6
720 0.8mm	290-931-404	6025.8
785 0.3mm	290-931-720	6035.3
785 0.4mm	290-931-721	6035.4
785 0.5mm	290-931-722	6035.5
785 0.6mm	290-931-723	6035.6
785 0.8mm	290-931-724	6035.8
951 97	290-931-680	6730.3
951 97	290-931-681	6730.4
951 97	290-931-682	6730.6
951 98+	290-931-685.5	6732.5
951 98+	290-931-686.6	6732.6
951 98+	290-931-687.8	6732.8

Polaris	Part No.
650/750/780/785	4040
700/Hurricane/900/1050	4315

Yamaha	OEM#	Part No.
760	6M6-11351-A200	3205
650/701 All		2220
GP800	66E-11351-0000	3420
1100/1200	63M-11351-010	4415

Kawasaki	OEM#	Part No.
440 All		5240
550 80-90	11009-3782	5430
550 91-93	11009-3780	5635
550 91-93 Copper		51-2417
650 All	11009-3775	5850
750 All	11060-3711	7040
900	11060-3752	7420
1100	11060-3760	7615



## HEAD PIPE GASKET FOR AFTERMARKET

Pipe	Part No.
Factory Pipe All (46mm ID)	5900
Factory Pipe 785 (Spec 1)	6155
Factory Pipe 785 (Spec 2)	6158
Factory Pipe Sea Doo 650/720	9010
Factory Pipe Kaw 550 LTD	9000

Pipe	Part No.
Coffman Pipe 550 Climax	9020
Coffman 750 SX Rocket Mod	9030
Coffman 750 SS, XI, ST Rocket	7100A
Coffman 750 XI (Hurricane)	7105

Pipe	Part No.
RIVA WaveRaider (3 Hole)	9070
RIVA All Other (3 Hole)	9060

Pipe	Part No.
R&D 3 Bolt	9080
R&D 4 Bolt	9090



## R&D DOMINATOR BASE GASKETS

Yamaha	Thickness	Part No.
Superjet	.020" - 0.5mm	070-00020
Superjet	.040" - 1.0mm	070-00040
Superjet	.060" - 1.5mm	070-00060
Kaw 750/800	.060" - 1.5mm	071-00060



## CARBURETOR BASE GASKETS

Description	Fiber	Green
Mikuni 38mm	5030	9230
Mikuni 40mm	6107	9235
Mikuni 44mm	5460	9240
Mikuni 46mm	9245	9250
Mikuni 48mm	-----	9252
Mikuni 48mm (SD951 I Series)		6740
Mikuni 50mm	-----	9257
Keihin 42mm	9210	9220
Keihin 38mm	5660	9200
Keihin 40mm	7060	9205



## HIGH PERFORMANCE BASE GASKETS

Kawasaki	Thickness	Part No.
800 SXR	.020" - 0.5mm*	B0075020C
800 SXR	.030" - 0.75mm**	7040C
800 SXR	.040" - 1.00mm**	7040D
800 SXR	.050" - 1.25mm**	7040E
800 SXR	.060" - 1.50mm**	7040F

\*Metal Gasket \*\*Fiber gasket with a metal core



## KAWASAKI 1100 BASE GASKETS

Solid aluminum core with high density fiber facing.

Kawasaki	Thickness	Part No.
1100 Base	.025"	7615.025
1100 Base	.030"	7615.030
1100 Base	.040"	7615.040
1100 Base	.050"	7615.050
1100 Base	.060"	7615.060



## HYDRO-TURF OIL EXTRACTOR

Description	Capacity	Part No.
A. Hydro-Turf Oil Extractor	6 liter	OIL01
B. Hydro-Turf Oil Extractor	15 liter	OIL03



**Adapter Kit  
Included!**

## FLUID EXTRACTOR

- Empties oil in 15 pumps or less
- Extracts warm or cold oil
- Pressure relief valve allows easy transportation and storage
- Single-hand-ease effortless operation
- Tethered cap
- Delivers gulp-free, mess-free performance
- Complete adapter kit is included featuring three extraction tubes

Description	Part No.
Fluid Extractor (6.5 Liter Fluid Extractor)	CJ-169-S
Fluid Extractor Tube Replacement Kit	72-13117A

*\*Note: Not for use with gasoline.*

## RULE FLAT TANK ELECTRIC OIL EXTRACTOR



Eliminate those costly yard service fees with the new quick, clean, compact electric oil extractor. Includes a 3-1/2 gallon compact self-priming diaphragm pump for extraction and an easy pour spout for oil transfer.

- 3.5 gallon (13 liter) leak proof container
- Designed for ease of carrying

- Complete with dipstick, suction tube & battery clamps
- Empties and stows easily
- Self-priming, dry running, 12 or 24 volt diaphragm pump

Description	Part No.
Electric Oil Extractor	17860-0012



KN204

KN303



## PERFORMANCE GOLD OIL FILTER

- Premium filter media provides outstanding filtration at high-flow rates
- 1-inch nut easy-on/easy wrench-off
- Drilled safety wire holes for racing
- Heavy-duty construction

Sea Doo	OEM#	Part No.
All Sea Doo Four Stroke	420950741	KN556

Yamaha	OEM#	Part No.
1052cc Yamaha Four Stroke	59H-1344-0-00-00	KN303
1812cc Yamaha Four Stroke	69J-13440-01	Not Available

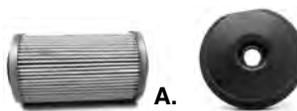
Kawasaki	OEM#	Part No.
All Kawasaki Four Stroke	16097-004	KN204

Honda	OEM#	Part No.
All Honda Four Stroke	15410-NCJ-003	KN204



## SIERRA OEM REPLACEMENT AFTERMARKET OIL FILTER

Yamaha	OEM#	Part No.
1812cc Yamaha Four Stroke	69J-13440-01-00	18-7906



## OEM REPLACEMENT AFTERMARKET OIL FILTERS

Sea Doo	Part No.
A. All Sea Doo Four Stroke	006-560
B. All Sea Doo Four Stroke Oil Filter Cap	006-562

Yamaha	OEM#	Part No.
All Yamaha Four Stroke	#594-13440-00-00	006-563

## SCEPTER FLEXIBLE FUNNEL



Scepter's flexible funnel is perfect for all your PWC uses and really helps perform those difficult maintenance and repair applications. The funnel length is 18".

Description	Part No.
Scepter 18" Flexible Funnel	MR03603

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE/BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES SERVICE TOOLS  
HARDWARE  
CHEMICAL

### FACTORY PIPE GENUINE REPLACEMENT PARTS



ID	Length	Part No.
1-3/4"	5"	COMHOS0074
2"	2-1/2"	COMHOS0080
2-1/2"	2-3/4"	COMHOS0085
3-1/2"	2-1/16"	COMHOS0090
3"	2-1/2"	COMHOS0091
2-1/4"	2"	COMHOS0092
3-1/2"	2-3/16"	COMHOS0093
2-1/2"	2-1/2"	COMHOS0094
4"	1-15/16"	COMHOS0101
4"	2-1/16"	COMHOS0100
5"	1-15/16"	COMHOS0111
5"	2-3/8"	COMHOS0110
5-1/2"	3"	COMHOS0150
3-3/4"	2"	COMHOS0701



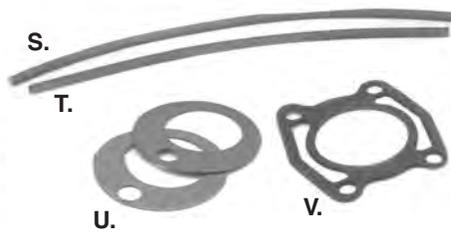
Model	Part No.
MOD Blaster	COMHOS0130
96 701SJ LTD	COMHOS0135



Size	Part No.
5-1/2"	#600 COMCLP0080
5"	#88 COMCLP0030
4"	COMCLP0050
3-1/2" (High Torque)	#400 COMCLP0045
2"	#32 COMCLP0020
2" (High Torque)	#250 COMCLP0021

TYPE	COUPLER	CLAMP	MOUNT
<b>SEA DOO</b>			
580 SP 94-LATER	COMHOS0110 (5")	COMCLP0030	COMMNT0050
650 XP 93 & 95/96 SPX	COMHOS0110 (5")	COMCLP0030	COMMNT0050
650 GTX 94/95 & 96 580 GTS	COMHOS0110 (5")	COMCLP0030	COMMNT0050
650 & 720 XP 94/95	COMHOS0110 (5")	COMCLP0030	COMMNT0050
720 HX	COMHOS0110 (5")	COMCLP0030	COMMNT0050
720 GTI	COMHOS0110 (5")	COMCLP0030	COMMNT0050
785 XP/GSX/GTX SPEC I 95/96	COMHOS0150 (5.5")	COMCLP0080	
785 XP/GSX/GTX SPEED II 95/96	COMHOS0150 (5.5")	COMCLP0080	
785 GSX/GTX/SPX SPEC I 97	COMHOS0150 (5.5")	COMCLP0080	
785 GSX/GTX/SPX SPEC II 97	COMHOS0150 (5.5")	COMCLP0080	
785 XP ONLY SPEC I 1997	COMHOS0150 (5.5")	COMCLP0080	
785 XP ONLY SPEC II 1997	COMHOS0150 (5.5")	COMCLP0080	
951XP / RX	COMHOS0701 (3.75")	—	COMMNT0052/54
<b>YAMAHA</b>			
650 SUPER JET	COMHOS0100 (4")	COMCLP0050	
650 WAVERUNNER III	COMHOS0100 (4")	COMCLP0050	
	COMHOS0085 (2.5")	—	
701 SUPER JET LIMITED 96-UP	COMHOS0100 (4")	COMCLP0050	
	COMHOS0135	—	
701 SUPER JET LIMITED	COMHOS0100 (4")	COMCLP0050	
701 SUPER JET MOD	COMHOS0100 (4")	COMCLP0050	
701 SUPER JET LTD/SS DRY PIPE	COMHOS0093 (3.5")	COMCLP0045	COMMNT0050/52
701 SUPER JET TYPE 8 DRY PIPE	COMHOS0093 (3.5")	COMCLP0045	COMMNT0052
701 SUPER JET TYPE 9 DRY PIPE	COMHOS0093 (3.5")	COMCLP0045	COMMNT0052
	COMHOS0080 (2.5")	COMCLP0021	
	COMHOS0092 (2.25")		
701 FX1	COMHOS0100 (4")	COMCLP0050	
701 WAVERUNNER III	COMHOS0100 (4")	COMCLP0050	
	COMHOS0080 (2")	COMCLP0020	
701 WAVEBLASTER LIMITED	COMHOS0100 (4")	COMCLP0050	COMMNT0050
	COMHOS0080 (2")	COMCLP0020	COMMNT0030
701 WAVEBLASTER MOD	COMHOS0100 (4")	COMCLP0050	COMMNT0030
	COMHOS0130	COMCLP0020	COMMNT0040
701 WAVERAIDER	COMHOS0100 (4")	COMCLP0050	COMMNT0030
	COMHOS0080 (2")	COMCLP0020	COMMNT0040
760 GP/WAVEBLASTER II	COMHOS0090 (3.5")	COMCLP0040	COMMNT0030
800 GP TWIN	COMHOS0111 (5")	COMCLP0030	COMMNT0050/52
1200 GP TRIPLE	COMHOS0101 (4")	COMCLP0050	COMMNT0050/30
	COMHOS0111 (5")	COMCLP0030	COMMNT0052
1200 XL LTD/GP1200R TRIPLE			COMMNT0050/30
			COMMNT0052
<b>KAWASAKI</b>			
550 LIMITED 86/90	COMHOS0074 (1.75")	—	COMMNT0040
	COMHOS0100 (4")	COMCLP0050	
550 LIMITED 91/96	COMHOS0074 (1.75")	—	COMMNT0040
	COMHOS0100 (4")	COMCLP0050	
650 SX/X2 LIMITED	COMHOS0100 (4")	COMCLP0050	
650 SX/X2 MOD	COMHOS0100 (4")	COMCLP0050	
750 SS/XI	COMHOS0090 (3.5")	COMCLP0040	COMMNT0060
		COMCLP0020	
750 XIR	COMHOS0080 (2")	COMCLP0020	COMMNT0040
	COMHOS0100 (4")	COMCLP0050	
750 SX/SXI LIMITED	COMHOS0080 (2")	COMCLP0020	COMMNT0040
	COMHOS0100 (4")	COMCLP0050	
750 SX/SXI MOD	COMHOS0080 (2")	COMCLP0020	COMMNT0040
	COMHOS0100 (4")	COMCLP0050	
750 SXI DRY PIPE	COMHOS0701 (3.75")	—	COMMNT0052
800SXR DRY PIPE	COMHOS0701 (3.75")		COMMNT0052
	COMHOS0094 (2.5")		
800SXR WET PIPE	COMHOS0100 (4")	COMCLP0050	
1200 ULTRA/STX-R DRY PIPE	COMHOS0091 (3")	COMCLP0021	COMMNT0052
			COMMNT0030
<b>POLARIS</b>			
1050 SLTX TRIPLE	COMHOS0101 (4")	COMCLP0050	COMMNT0050/52

For information on parts of Factory pipe,  
visit [www.factorypipe.com](http://www.factorypipe.com)  
➔ Technical ➔ Instructions



## FACTORY PIPE REPLACEMENT GASKETS AND O-RINGS

- A. K750SX/Blstr/Rdr #123 **COMMNT0040**
- B. Blstr/Rdr #177 **COMMNT0030**
- C. SJ Dry GP1200/800SXR **COMMNT0052\***
- D. 3/8"-16 x 3/4" Hex Bolt **COMFAS0100\***
- E. SD951 **COMMNT0054**

\*COMMNT050 has been discontinued.  
Use COMMNT052 & COMFAS0100 as replacement part.

S. 14" Silicon Ring Chamber	(SD 580/650/720)	COMGAS0005
T. 13" Silicon Ring Headpipe	(SD 580/650/720)	COMGAS0006
U. Manifold/Headpipe Gasket	(SD 580/650/720)	COMGAS0070
Headpipe/Manifold Gasket	SD785 Spec II	COMGAS0120
V. Headpipe/Manifold Gasket	SD785 Spec I	COMGAS0110
246 Viton O-Ring	GP800	COMGAS0170
337 Buna O-Ring	Super Jet Dry	COMGAS0235

## FACTORY PIPE O-RING APPLICATION CHART

TYPE	O-RING NUMBER	O-RING DESCRIPTION	QTY
<b>SEA DOO</b>			
580/650/720 ALL MODELS	COMGAS0005	14" SILICON RING	1
	COMGAS0006	13" SILICON RING	1
951 XP/XPL	COMGAS0235	337 BUNA O-RING (M)	2
	COMGAS0330	341 BUNA O-RING (L)	2
	COMGAS0340	344 BUNA O-RING (S)	2
<b>YAMAHA</b>			
701 SUPERJET DRY Type 4,8,9	COMGAS0235	337 BUNA O-RING	1
760 GP / WAVEBLASTER II	COMGAS0235	<b>DISCONTINUED</b>	2
	COMGAS0100		
800 GP TWIN	COMGAS0180	329 VITON O-RING	6
	COMGAS0170	246 VITON O-RING	1
1200 GP TRIPLE	COMGAS0180	329 VITON O-RING	9
	COMGAS0160	<b>DISCONTINUED</b>	2
	COMGAS0170	246 VITON O-RING	1
1200XL LTD / GP1200R TRIPLE	COMGAS0180	329 VITON O-RING	9
	COMGAS0150	7.5" GRAPHITE/KEVLAR	3
<b>KAWASAKI</b>			
750SX DRY PIPE	COMGAS0235	337 BUNA O-RING (M)	1
800SXR DRY PIPE	COMGAS0235	337 BUNA O-RING (M)	1
	COMGAS0330	341 BUNA O-RING (L)	1
	COMGAS0340	344 BUNA O-RING (S)	1
STX-R TRIPLE	COMGAS0350	330 VITON O-RING	9
<b>POLARIS</b>			
1050 SLXH TRIPLE	COMGAS0180	329 VITON O-RING	9
1050 SLTX TRIPLE	COMGAS0180	329 VITON O-RING	9
<b>MISCELLANEOUS</b>			
ECWI FILTER BLOCK ASSY.	COMGAS0130	AS568A DASH#122	1



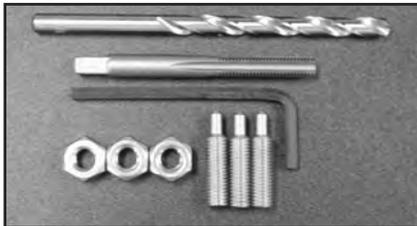
Factory Pipe Part No.

- F. 1/8X1/4" Spray Nozzle (Head Pipe) **COMFTG0015**
- G. 1/8X3/8" Spray Nozzle (ECWI) **COMFTG0025**
- H. #10-32 Water Screw S/S **COMFAS0013**
- I. #10-32 Nuts S/S **COMFAS0014**
- J. 10mmX1.25X40 Bolt **COMFAS0050**
- K. 10mmX1.25X50 Bolt **COMFAS0060**
- L. 10mmX1.5X30 Bolt S/S **COMFAS0260**
- M. 3/8"-16 S/S Nut **COMFAS0095**



Factory Pipe Part No.

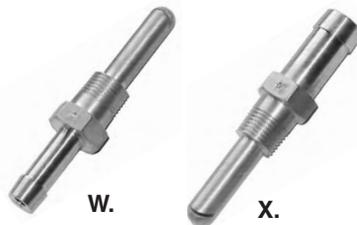
- N. KAW 800SXR Dry Pipe Head Bracket **COMBRK0228**
- O. Fiber Insulating Washer **COMFAS0200**
- P. Kaw 800SXR Inline Filter **COMFTG0036**
- Q. Kaw 800SXR Wet Pipe Air Temperature Bypass Connector **COMIGN0016**
- R. SJ Type 9 Stinger Reducer 25mm **COMRED0004**



## HEADPIPE SCREW REPAIR KIT

This kit is designed to replace the water adjustment set screws supplied with Factory Pipe products exhaust systems utilizing their tunable headpipe. This kit will fit exhaust systems: Yamaha B Pipe for Super Jets and Blasters, Kawasaki 750SX, 650SX, and X2.

Description	Part No.
JP Engineering Headpipe Screw Repair Kit for Factory Pipe	<b>JPE-KIT#2</b>



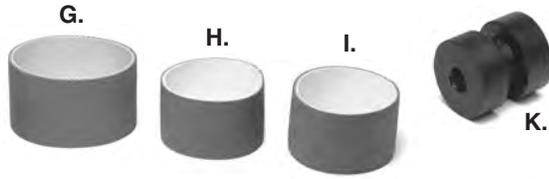
## WATCON SPRAY NOZZLE FOR EXHAUST SYSTEMS

Description	Part No.
W. 1/8" x 1/4" Spray Nozzle	<b>SPRAY-1</b>
X. 1/8" x 3/8" Spray Nozzle	<b>SPRAY-2</b>

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL



## R&D EXHAUST SYSTEM REPLACEMENT PARTS



Description	Part No.
G. 5" id x 3" L (Sea Doo 785)	060-05003
H. 5" id x 5" L	060-05005
I. 4.25" id x 2.5" L (Super Jet Dry Pipe)	060-41425
K. Lord Mount	080-70102



### EXHAUST PISTON FOR WATERBOX VALVE

Sea Doo	OEM No.	Part No.
Exhaust Piston GSX (96-99), GTX (96-99), LRV (2000), SP (97), SPX (97-99), XP (96-99)	420-253-255	010-495-15



### EXHAUST BUSHINGS FOR SEA DOO

Sea Doo	OEM No.	Part No.
L. Exhaust Bushings. (95-06 GS, GTI, GTS, GTX, SP, SPI, SPX, XP) Sold in pairs.	293-830-031	011-515
M. Exhaust Bushing	274-000-114	011-516



### REPLACEMENT EXHAUST DIFFUSER FOR KAWASAKI

Kawasaki	OEM No.	Part No.
P. 650TS (89-96), 750XI (98-99) 750SS (92-97), 750 SXI (93-97)	92190-3712	011-510
Q. 650TS (89-96), 650 SC (91-95)	92093-3732	011-511
750 SS (92-97)	92093-3738	011-519
750 SSXI (93-97)		
750 XI (98-99)		
750 ST (94-95)		
750 STS 95		
750 STS (96-97)	92191-3733	011-517
750 STX (98)		
900 STX (97-98)	92191-3811	011-512
900 STX (97-98)	92093-3751	011-513



### REPLACEMENT EXHAUST HOSE

Yamaha	OEM No.	Part No.
R. 701 Wave Venture 95-96	63N-14752-30	011-500
T. GP 1200 97-99	65U-14752-00-00	011-501

Sea Doo	OEM No.	Part No.
S. GTI 06-07, GTX 06-07, RXP 06-07, RXT 06-07	274-001-302	011-425

### HIGH TEMP BLUE SILICONE EXHAUST HOSE SOLD IN 36" LENGTHS

This high temp blue silicone hose can be used for exhaust hose upgrades or replacement of OEM exhaust hoses. These exhaust hose lengths can also be used to make your own custom exhaust couplers.



Inside Diameter	36" Length
1-3/4"	52-9004
2"	52-9005
2-1/4"	52-9008
2-1/2"	52-9010
3"	52-9006
3-1/2"	52-9015
4"	52-9011
4-1/2"	52-9012
5"	52-9014
5-1/2"	52-9017
6"	52-9018

36" = 91.44cm length



### T-BOLT CLAMPS

T-BOLT Clamps supply the maximum clamping pressure and are superior to the standard hose clamps used in most watercraft applications. Stainless steel with a nylon nut.

Size	Clamp Width	Part No.
3"	3/4" 19mm	64-0080
3-1/4"	3/4" 19mm	64-0081
4-1/2"	3/4" 19mm	64-0082
5"	3/4" 19mm	64-0084
5-1/4"	3/4" 19mm	64-0085
5-1/2"	3/4" 19mm	64-0086



## RIVA FREE FLOW EXHAUST KITS



Replaces the restrictive sound suppression system on GPR and XLT models. Provides reduced back-pressure that improves engine's performance and reduces harmful detonation. Easy installation with noticeable results. IJSBA Superstock legal.

Yamaha	Part No.
Free-Flow Exhaust Kit, GP800R/1200R	<b>RY1620</b>
Free-Flow Exhaust Kit GP1300R	<b>RY1613</b>
Free-Flow Exhaust Kit FX/FXHO (All Models)	<b>RY1625</b>



## R&D SOUND SUPPRESSION REMOVAL TUBE

R&D is now producing the new Sound Suppression Removal Tube for the GPR. This modification allows the exhaust to free flow out of the water box adding bottom end punch and overall performance. Replacing of the stock plastic sound box with the R&D Sound Tube will eliminate potential melting failures in limited and superstock modified applications. Easily installs, no cutting of hoses necessary.

Description	Part No.
GP1200R/1300R Sound Suppression Removal Tube	<b>332-12001</b>



## R&D HIGH TEMPERATURE SILICONE COUPLINGS

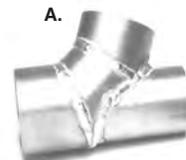
Description	Part No.
3"-3" High Temp Silicone Couplings	<b>061-30030</b>
3"-2" Reducer High Temp Silicone Couplings	<b>061-32500</b>
2.75"-2.5" Reducer High Temp Silicone Couplings	<b>061-32501</b>
3"-2.75" Reducer High Temp Silicone Couplings	<b>061-32750</b>



## BLOWSION FREESTYLE DUAL EXHAUST KIT

Unload that exhaust during tail stands! Kit includes all necessary hoses, clamps, exhaust splitter, aluminum outlet and detailed installation instructions. Our kits are ultra sano and feature a show quality polished outlet and pre bent hoses. Do not settle for cobbed together "universal" hoses and outlets. Absolutely necessary for the stand up purist.

Description	Part No.
Yamaha SuperJet 96+	<b>01-01-553</b>
Kawasaki 800 SXR	<b>01-01-507</b>



## BLOWSION FREESTYLE YAMAHA EXHAUST AND SIDE EXHAUST OUTLET

Unload that exhaust during tail stands! Kit includes all necessary hoses, clamps, exhaust splitter, aluminum outlet and detailed installation instructions. Our kits are ultra sano and feature a show quality polished outlet and pre bent hoses. Do not settle for cobbed together "universal" hoses and outlets. Absolutely necessary for the stand up purist.

Description	Part No.
A. Yamaha Exhaust Splitter Only	<b>01-01-555</b>
B. Yamaha Side Exhaust Outlet	<b>01-01-554</b>



## FUEL TANK BRACKET FOR SJ96+

This bracket attached on Super Jet Fuel Tanks utilizing OEM Fuel Tank Rubber Strap. Bracket holds MSD Water Control system (pre-drilled), Micro Touch Water Injection System and etc.

Yamaha	Part No.
Yamaha Superjet Fuel Tank Bracket	<b>115849</b>



## JETWORKS WATER SOLENOIDS

Water fittings not included.

Description	Part No.
Poded Sealed Solenoids (Waterproof)	<b>PSOL-10</b>

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL



### RIVA CAT TEMP SENSOR CHIP FOR YAMAHA GPR 1200 & 1300

RIVA Cat Temp Sensor Chip is a must when removing the OEM catalytic converter on Yamaha 1200 & 1300 Powervalve engines. The circuit is designed to mimic the signal sent to the OEM CDI by the catalytic converter's temperature probe preventing CDI, flutters, warning devices and engine shut downs due to cat removal. Can be used with stock or modified OEM CDI's. Plugs directly into factory wire harness.

Description	Part No.
RIVA Cat Temp Sensor Chip	RY115-20
Yamaha 1200/1300 Powervalve (66V/66T)	



### R&D D-PLATE FOR YAMAHA GP1200R/GP1300R, XLL/XLT1200

The new R&D D-Plate takes the place of the stock catalytic converter and delivers the best overall low, mid, peak and overall horsepower. The benefits include reducing engine compartment temperatures created by the catalytic converter and reliability of the complete stock exhaust assembly.

Description	Part No.
R&D D-Plate	332-12000



### CATALYTIC CONVERTER REMOVAL PLATE FOR YAMAHA GP1200R/GP1300R, XLL/XLT1200

This plate allows you to remove the catalytic converter easily and fills the gap where the catalytic converter mounts on the OEM exhaust system. Benefits include a cooler running exhaust system and ability to run any kinds of two-stroke oil. The plate features a centrally located outlet designed to give some beneficial back pressure but with much better exhaust gas flow compared to an offset or cutout plate. This gives better response and acceleration throughout the power band.

FOR COMPETITION USE ONLY.

Description	Part No.
JetWorks Catalytic Converter Removal Plate	YE-155P



### R&D YAMAHA GP 1300R EXHAUST POWER SLEEVE

The R&D GP 1300R Exhaust Power Sleeve will add a serious boost to low end and mid range horsepower and performance! The R&D Exhaust Power Sleeve installs between the exhaust chamber and the catalytic housing to increase sonic wave energy! The R&D Exhaust power Sleeve will add the Y.P.V.S. (power valve) feel to the 2005 Yamaha's non-power valve engine!

Description	Part No.
Yamaha GP 1300R Exhaust Power Sleeve	332-13001



332-12003



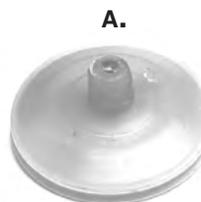
332-12002



### R&D BILLET EXHAUST VALVES FOR GPR

The R&D Billet Exhaust Valves reduce the clearance between the valve and piston, this reduced clearance improves the seal which boosts the valve down compressions ratio delivering greater bottom and mid-range power. Directly replace OEM YPVS valve units.

Yamaha	Part No.
GP800/GP1200R Exhaust Valve Kit (each)	332-12002
Exhaust Valve Arm Only	332-12003
GP1300R Exhaust Valve Kit (each)	332-13000



A.



B.

### WSM REPLACEMENT EXHAUST VALVE PARTS FOR SEA DOO

Sea Doo	OEM No.	Part No.
A. Exhaust Valve Piston	420-854-449	010-495-10
B. Exhaust Valve Bellow	290-260-723	010-495-05



### R&D KAWASAKI 800 SXR EXHAUST POWER SLEEVE

The new R&D billet aluminum Exhaust power Sleeve is designed to insert into the stinger of the stock exhaust to reduce the stinger size thereby increasing back pressure. This is a simple installation that will increase top speed and add 100 RPM.

Description	Part No.
Kawasaki 800 SXR Exhaust Power Sleeve	331-80000



## JETWORKS FLOW CONTROL VALVE

The Flow Control Valve provides improved throttle response and much quicker starts by drying out your waterbox at low rpm and idle speeds. Tests have shown an average acceleration improvement of 10 feet over a non-equipped model in the first 50 feet. The Flow Control Valve allows unrestricted water flow to the Stinger for better top speed. Yet it controls the amount of water at low speeds for better response. It also allows for an easier tuning of the Carburetors. It does not interfere with normal engine or exhaust pipe cooling and is compatible with all electronic water injection systems. Race Legal for All Classes. Two Models are available. Both are adjustable. The Standard Flow Control Valve is preset at 3.5 p.s.i. and is adjusted by adding the supplied stainless steel shims to increase the spring tension. The Pro-Series is externally adjustable by turning the outer housing by hand. Pressure can be tested with pop off gauge. All PWC w/OEM or aftermarket exhaust systems (except Yamaha's w/OEM exhaust)

Description	Hose ID	Part No.
A. Standard Flow Control Valve	3/8"	52-3118
B. Pro Flow Control Valve	3/8"	52-3119
C. Pro Flow Control Valve	1/4"	52-3122



## JETWORKS QUICK DISCONNECT WATER RESTRICTOR

QD-38 comes with 4/32mm restrictor inserts used for controlling water flow through exit passes, stinger, head pipes, etc. QD-14 is for use with Mikuni Jets (not included), and allows quick change in small increments of water flow.

Description	Hose ID	Part No.
Quick Disconnect Water Restrictor	3/8"	QD-38
Quick Disconnect Water Restrictor	1/4"	QD-14



## JETWORKS GP1200R/XL1200LTD FLOW CONTROL ADAPTER KIT

Our adapter kit is designed to improve bottom end response and get the craft into high speed quickly and gives more acceleration out of turns.

By allowing the craft to get up on a plane quicker, less time is spent pushing or plowing the craft through the water. This is especially true on the XL models. The quicker you get the craft up and on the water, the quicker the boat will accelerate because you can use or free up the horsepower that is being used up to displace or push aside the water. The water drag - frictional loss of the wetted surface - is reduced and this is when the craft actually starts to really accelerate.

One of the main reasons the GPR and XL are sluggish or experience a lag on acceleration is due to the large amounts of water that enter the water box. This water backs up in the water box to be purged or blown out upon acceleration. The water box can hold a considerable amount of water. This can not be purged or blown out since the hoses and resonators are located at a higher level than the water box. The water must be pushed upwards and through the resonators. Since the water box is fairly large it can hold a good amount of water. It is not until all this water is blown out that the exhaust can be free flowing. During all this time the craft is trying to get on a plane which causes more load on the engine and further lengthens the process.

What we do is to block the water reaching the original spray orifices and use a water pressure sensitive flow control valve to control when water is injected through the OEM stinger outlet. By using this kit, you can reset the RPM when you want the water to start flowing. By setting the RPM point to 3400 RPM, you have eliminated the water flow at idle and in a sense have a dry water box upon acceleration. The craft can now get on a plane quicker and accelerate much much quicker. We don't need water flow below these RPM's mostly because the firing pulsations are too weak and too far apart to create any considerable heat at this location (too far away). This also increases acceleration in the mid-range to upper mid-range and greatly improves acceleration coming out of turns. This is accomplished primarily because we also have completely shut down the water flow through the orifices in the OEM stinger outlet at the moment of deceleration.

(NOTE: This kit is designed to be used on watercraft that have a catalytic converter removed and also using a straight tube in place of the plastic sound suppression resonators.)

The 155-SPK kit requires the removal of the cooling system overheat sensor.

Description	Part No.
Jetworks Flow Control Adapter Kit	155SPK

FOUR  
STROKE

INTAKE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGE

STEERING  
& CONTROLS

BODY

ACCESSORIES

SERVICE TOOLS  
/HARDWARE

CHEMICAL

## RECOMMENDED SKAT-TRAK IMPELLER

Model	Year	Engine	Orig. Imp.	Pump Dia.	Stock Engine	Limited Engine	Modified Engine
LRV DI	02-04	951	n/a	155.5mm	SS5583SW1418	SS5583SW1319	SS5583SW1320
LRV	00-01	951	n/a	155.5mm	SS5583SW1418	SS5583SW1319	SS5583SW1320
3D DI	06-07	951	n/a	155.5mm	SS5583SW1319	Call for application	Call for application
3D Base	2005	800	n/a	155.5mm	SS5583SW1016	Call for application	Call for application
3D Premium	2005	800	n/a	155.5mm	SS5583SW1016	Call for application	Call for application
RXP 215	04-10	1494 SC	n/a	159.8mm	SS598328SW31318	SS5983SW1419	Call for application
RXP-X 255	08-11	1494 SC	n/a	159.8mm	SS598328SW31419	SS598328SW31420	Call for application
RXT 215	05-10	1494 SC	n/a	159.8mm	SS598328SW31317	SS598328SW31418	Call for application
RXT-X 255	08-10	1494 SC	n/a	159.8mm	SS598328SW31318	SS598328SW31419	Call for application
RXP-X 260	10-12	1494 SC	n/a	159.8mm	SS598328SW31419	SS598328SW31420	Call for application
RXP 155	07-08	1494	n/a	155.8mm	SS55832333SW1317.5	SS55832333SW1318	Call for application
RXT 260	11-12	1494 SC	n/a	159.8mm	SS598328SW31419	SS598328SW31420	Call for application
RXT aS 260	2011	1494 SC	n/a	159.8mm	SS598328SW31419	SS598328SW31420	Call for application
RXT-X 260	11-12	1494 SC	n/a	159.8mm	SS598328SW31419	SS598328SW31420	Call for application
RXT-X aS 260	2012	1494	n/a	159.8mm	SS598328SW31419	SS598328SW31420	SS598328SW31520
RXT iS 255	2009	1494 SC	n/a	159.8mm	SS598328SW31318	SS598328SW31419	Call for application
RXT iS 260	10-12	1494 SC	n/a	159.8	SS598328SW31318	SS598328SW31419	Call for application
RXX	01	951	16/23 D-75 Mag	148mm	SSD75SW1623	SSD75SW1624	SSD75SW1625
RX Di	00-04	951	n/a	155.5mm	SS5583SW1319	SS5583SW1320	SS5583SW1321
RX	00-02	951	n/a	155.5mm	SS5583SW1319	SS5583SW1320	SS5583SW1321
XP Di	03-04	951	n/a	155.5mm	SS5583SW1320	SS5583SW1321	Call for application
XP Ltd.	98-02	951	13/21	155.5mm	SS5583SW1321	SS5583SW1321	SS55831322
XP 800	97	800	16/23	140mm	*SSSW1722 or SSSS1726**	*SSSW1723 or SSSS1726**	*SSSW1724B or SSSS17.527**
	95-96	800	17/25	140mm	*SSSW1722 or SSSS1726**	*SSSW1723 or SSSS1726**	*SSSW1724B or SSSS17.527**
XP	95	720	10/22	140mm	*SSSW1621 or SSSL1520**	SSSW14.522.5	SSSW1722 to SSSW1724B
	94	650	16/24	140mm	*SSSW1520 or SSSL1419**	*SSSW1520 or SSSL1419**	*SSSW1621 or SSSL1520**
	93	650	15/20.5	140mm	*SSSW1419 or SSSL1318**	*SSSW1520 or SSSL1419**	*SSSW1621 or SSSL1520**
	91-92	580	19	140mm	SSSL1318	*SSSL1318 or SSSL1419**	SSSL1419 to SSSL1621
GSX Ltd.	98-99	951	16/21	155.5mm	SS5583SW1320	SS5583SW1320	SS5583SW1321
	97 1/2	951	n/a	155.5mm	SS55SS1418	SS55SS1418	SS55SS1419
GSX RFI	99-01	800	12/25	140mm	SS4075SW1621	SS4075SW1622	SS4075SW1623
GSX	96-97	800	17/24, 16/23	140mm	*SSSW1722 or SSSS1625**	*SSSW1723 or SSSS1726**	*SSSW1724B or SSSS17.527**
GSi	97	720	11/22	140mm	*SSSW1621 or SSSL1520**	SSSW14.522.5	SSSW1722 to SSSW1724B
GS	98-01	720	11/22, 14/21	140mm	SSSW1520	SSSW1621	SSSW14.522.5
	97	720	10/35 al	140mm	*SSSW1621 or SSSL1520**	SSSW14.522.5	SSSW1722 to SSSW1724B
HX	95-97	720	10/22, 11/24	140mm	*SSSW1621 or SSSL1520**	SSSW14.522.5	SSSW1722 to SSSW1724B

\* Suggested for maximum bottom-to-mid range acceleration gains. \*\* Suggested for maximum top speed gains. NOTE: 17/24B is **NOT** as aggressive as the original 17/24 swirl impeller. Refer to the USBA Rulebook for a more detailed definition of "stock, Limited, and Modified."

## SKAT TRAK IMPELLER DESIGNS AND PITCHES AVAILABLE

### SWIRL

PITCH	PART NUMBER
12/17	SSSW1217
13/18	SSSW1318
14/19	SSSW1419
15/20	SSSW1520
16/21	SSSW1621
14.5/22.5	SSSW14.522.5
16/23	SSSW1623
16/24	SSSW1624
16/25	SSSW1625
17/22	SSSW1722
17/23	SSSW1723
17/24B	SSSW1724B
17/24	SSSW1724

### 140/75 SWIRL

PITCH	PART NUMBER
16/21	SS4075SW1621
16/22	SS4075SW1622
16/23	SS4075SW1623

### SLIM LINE

PITCH	PART NUMBER
12/17	SSSL1217
13/18	SSSL1318
14/19	SSSL1419
15/20	SSSL1520
16/21	SSSL1621
17/22	SSSL1722

### SSL

PITCH	PART NUMBER
16/25	SSSS1625
17/26	SSSS1726
17.5/27	SSSS17.527

### 155/83 SWIRL

PITCH	PART NUMBER
10/16	SS5583SW1016
11/17	SS5583SW1117
13/18	SS5583SW1318
13/19	SS5583SW1319
13/20	SS5583SW1320
13/21	SS5583SW1321
13/22	SS5583SW1322
14/18	SS5583SW1418

### 155/83 SSL

PITCH	PART NUMBER
13/19	SS5583SS1319
13/20	SS5583SS1320
13/21	SS5583SS1321

### 159/83/28 3-BLADE SWIRL SUPER PRO

PITCH	PART NUMBER
13/17	SS598328SW31317
13/18	SS598328SW31318
14/19	SS598328SW31419
14/20	SS598328SW31420
15/18	SS598328SW31518
15/19	SS598328SW31519
15/20	SS598328SW31520
15.5/21.5	SS598328SW3155215

### 155 SSL

PITCH	PART NUMBER
14/18	SS55SS1418
14/19	SS55SS1419

## RECOMMENDED SKAT-TRAK IMPELLER

Model	Year	Engine	Orig. Imp.	Pump Dia.	Stock Engine	Limited Engine	Modified Engine
SPX	97-99	800	16/24, 16/23	140mm	*SSSW1722 or SSSS1726*	SSSW1723/SSSS1726	*SSSW1724B or SSSS17.527
	96	720	11/24	140mm	*SSSW1621 or SSSL1520*	SSSW14.522.5	SSSW1722 to SSSW1724B
	95	650	11/21	140mm	*SSSW1520 or SSSL1419*	*SSSW1520 or SSSL1419**	*SSSW1621 or SSSL1520**
	94	650	14/21.5	140mm	*SSSW1419 or SSSL1318*	*SSSW1520 or SSSL1419**	*SSSW1621 or SSSL1520**
	93	580	16/20.5	140mm	SSSL1318	*SSSL1318 or SSSL1419**	SSSL1419 to SSSL1621
SPi	94-96	580	14/21	140mm	SSSL1318	*SSSL1318 or SSSL1419**	SSSL1419 to SSSL1621
	93	580	17.7	140mm	SSSL1318	*SSSL1318 or SSSL1419**	SSSL1419 to SSSL1621
SP	97	720	16/35 al	140mm	SSSW1520/SSSL1419	SSSW14.522.5	SSSW1722 to SSSW1724B
	88-96	580	18.8 al	140mm	SSSL1318	*SSSL1318 or SSSL1419**	SSSL1419 to SSSL1621
GTR 215	2012	1494	n/a	159.8mm	SS598328SW31318	Call for application	Call for application
GTX 4-Tec	02-04	1494	n/a	155.8mm	SS558323SW1520	SS558323SW1621	Call for application
4-Tec SC	03-04	1494 SC	n/a	155.8mm	SS558323SW1621	Call for application	Call for application
4-Tec Tow	03-04	1494	n/a	155.8mm	SS558323SW1520	SS558323SW1621	Call for application
WAKE 155	05-09	1494	n/a	155.8mm	SS558323SW1520	Call for application	Call for application
WAKE 215	07-09	1494 SC	n/a	159.8mm	SS598328SW31317	Call for application	Call for application
GTX S 155	2012	1494	n/a	155.8mm	SS55832333SW1216	Call for application	Call for application
GTX DI	00-03	951	n/a	155.5mm	*SS5583SW1319 or SS5583SW1418**	SS5583SW1320	SS5583SW1321
GTX Ltd. 215	05-08	1494 SC	n/a	159.8mm	SS5959832831317	Call for application	Call for application
GTX Ltd.	98-02	951	13/21	155.5mm	SS5583SW1319	SS5983SW1319	SS5583SW1321
GTX RFI	98-02	800	16/24, 12/25	140mm	SS4075SW1622	SS4075SW1623	SS4075SW1623
GTX iS 255	2009	1494 SC	n/a	159.8mm	SS598328SW31318	Call for application	Call for application
GTX SC 215	05-12	1494 SC	n/a	159.8	SS5983283SW31317	Call for application	Call for application
GTX 155	05-12	1494	n/a	155.8mm	SS558323SW1520	Call for application	Call for application
GTX iS 255	2009	1494 SC	n/a	159.8mm	SS598328SW31318	Call for application	Call for application
GTX Ltd iS 260	10-12	1494 SC	n/a	159.8mm	SS598328SW31318	Call for application	Call for application
GTX iS 215	2011	1494 SC	n/a	159.8mm	SS598328SW31318	Call for application	Call for application
GTX	96-97	800	17/25, 12/24	140mm	*SSSW1722 or SSSS1625**	*SSSW1723 or SSSS1726	*SSSW1724B or SSSS17.527**
	95	650	10/22	140mm	*SSSW1520 or SSSL1419**	*SSSW1520 or SSSL1419	*SSSW1621 or SSSL1520**
	94	650	15/20	140mm	*SSSW1419 or SSSL1318**	*SSSW1520 or SSSL1419	*SSSW1621 or SSSL1520**
	92-93	580	18.3	140mm	SSSL1318	*SSSL1318 or SSSL1419	*SSSL1419 or SSSL1621**
GTi LE RFI	03-04	800	n/a	155.5mm	SS5583SW1016	SS5583SW1117	Call for application
GTi LE	02-05	720	n/a	155.5 mm	SS5583SW1016	*SS5583SW1016 or SS5583SW1117**	Call for application
GTi RFI	04-05	800	n/a	155.5mm	SS5583SW1016	SS5583SW1117	Call for application
GTi SE 130	06-09	1494	n/a	155.8mm	SS55832333SW1215	Call for application	Call for application
GTi 130	06-09	1494	n/a	155.8mm	SS55832333SW1215	Call for application	Call for application
GTi SE 155	07-09	1494	n/a	155.8mm	SS55832333SW1215	Call for application	Call for application
GTi Ltd 155	11-12	1494	n/a	155.5mm	SS55832333SW1216	Call for application	Call for application
GTi	02-05	720	n/a	155.5 mm	SS5583SW1016	*SS5583SW1016 or SS5583SW1117**	Call for application
	99-01	720	n/a	140mm	SS4075SW1621	SS4075SW1622	Call for application
	96-98	720	11/24, 11/22	140mm	*SSSW1621 or SSSL1520**	SSSW14.522.5	SSSW1722 to SSSW1724B
GTS 130	11-12	1494	n/a	155.5mm	SS55832333SW1215	Call for application	Call for application
GTS	01-02	720	n/a	155.5mm	SS5583SW1016	SS5583SW1117	Call for application
	97-00	720	11/22	140mm	*SSSW1621 or SSSL1520**	SSSW14.522.5	SSSW1722 to SSSW1724B
	94-96	580	14/21, 15/21, 10/25	140mm	SSSL1318	*SSSL1318 or SSSL1419**	SSSL1419 to SSSL1621
	92-93	580	17	140mm	SSSL1318	*SSSL1318 or SSSL1419**	SSSL1419 to SSSL1621
GT	90-91	580	17 al	140mm	SSSL1318	*SSSL1318 or SSSL1419**	SSSL1419 to SSSL1621

\* Suggested for maximum bottom-to-mid range acceleration gains. \*\* Suggested for maximum top speed gains. NOTE: 17/24B is **NOT** as aggressive as the original 17/24 swirl impeller. Refer to the USBA Rulebook for a more detailed definition of "stock, Limited, and Modified."

### 155/83/23 SWIRL

PITCH	PART NUMBER
15/20	SS558323SW1520
16/21	SS558323SW1621

### 155-83-23-33 3 BLADE SWIRL WITH BILLET 22-33 NOSE BOOT

PITCH	PART NUMBER
12/15	SS55832333SW1215
13/17.5	SS55832333SW13175

### SKAT-TRAK REPLACEMENT NOSE BOOT AND O-RING



Description	Part No.
1. SJ/FX	SK-NB6
2. KAW/SD/YAM/SWIRL	SK-NB7
3. YAM GPR.XL-L	SK-NB155XL
4. SD SUPER SLIM LINE	SK-NBSSL
5. O-RING KAWASAKI	SK-KAW-O
6. 750/900 PLUG O-RING	SK-750-O
7. O-RING SEA DOO	SK-SD-O

## RECOMMENDED SKAT-TRAK IMPELLER

Model	Year	Engine	Orig. Imp.	Pump Dia.	Stock Engine	Limited Engine	Modified Engine
SUV 1200	99-04	1131	15.2	155mm	SY55XLSW1218R	*SY55XLSW1218R or SY55XLSW1319R**	SY55XLSW1319R
FZR	09-12	1812	n/a	155mm	SY557525SW1220	Call for application	Call for application
FZS	09-12	1812	n/a	155mm	SY557525SW1119	Call for application	Call for application
VXS	2012	1812	10/17	155mm	SY557525SW1118	SY557525SW1219	SY557525SW1320
VXR	2012	1812	10/17	155mm	SY557525SW1118	SY557525SW1219	SY557525SW1320
VX 110	05-09	1052	n/a	155mm	SY55KYSW1624	Call for application	Call for application
VX 110 Delux	05-09	1052	21.2	155mm	SY55KYSW1523	Call for application	Call for application
VX 110 Sport	05-09	1052	21.2	155mm	SY55KYSW1523	Call for application	Call for application
VX Cruiser	07-12	1052	n/a	155mm	SY22KYSW1523	Call for application	Call for application
FX SHO	08-11	1812	n/a	155mm	SY557525SW1119	SY557525SW1220	SY557525SW1323
FX Cruiser SHO	08-09	1812	n/a	155mm	Call for application	Call for application	Call for application
FX H.O.	04-09	1052	16.8	155mm	SY55XLMSW1824	Call for application	Call for application
FX-140	02-08	998	16.3	155mm	SY55XLSW1319R	*SY55XLSW1319R or SY55XLSW1420R**	Call for application
FX Cruiser H.O. 50th	2006	1052	n/a	155mm	SY55XLMSW1824	Call for application	Call for application
FX Cruiser HO	04-09	1052	16.8	155mm	SY55XLMSW1824	Call for application	Call for application
FX Cruiser	03-08	998	17	155mm	SY55XLSW1319R	*SY55XLSW1319R or SY55XLSW1420R*	Call for application
FX	02-08	998	n/a	155mm	SY55XLSW1319R	Call for application	Call for application
GP 1200	97-99	1131	16.5/19, 15.2	155mm	*SY55SW1419 or SY55SSL1319**	*SY55XLSW1419 or SY55SSL1420**	SY55SSL14.521
GP 1300R	03-08	1296	n/a	155mm	*SY55XLSW1319R or SY55SW1321R**	*SY55XLSW1319R or SY55XLSW1420R**	SY55XLSW1319R
GP 1200R	99-02	1131	16/19	155mm	SY55XLSW1319R	*SY55XLSW1319R or SY55XLSW1420R**	SY55XLSW1420R
GP 800	98-00	784	15/21, 17/1	144mm	SY44SS1420	SY44SS1422	SY44SS1422
GP 800R	01-05	784	13.2	155mm	SY55XLSW0714	Call for application	Call for application
GP 760	97-00	754	17/20	144mm	SY44SS1420	SY44SS1420	SY44SS1422
Raider 1100	95-96	1100	16/19	155mm	*SY55SW1419 or SY55SSL1420**	*SY55SW1419 or SY55SSL1420**	SY55SSL14.521
Raider 760	96	760	17/20	144mm	SY44SS1420	SY44SS1420	SY44SS1422
Raider 701	94-95	701	17/20	144mm	SY44SS14.518.5	SY44SS1519	SY44SS1420
	96-97	701	13/16 al	144mm	SY44SS1418	SY44SS14.518.5	SY44SS1420 to SY44SS1519
Raider DLX	95	701	17/20	144mm	SY44SS14.518.5	SY44SS1519	SY44SS1420

\* Suggested for maximum bottom-to-mid range acceleration gains. \*\* Suggested for maximum top speed gains. Refer to the USBA Rulebook for a more detailed definition of "Stock, Limited, and Modified."

## SKAT TRAK IMPELLER DESIGNS AND PITCHES AVAILABLE

### 155-75-22 SWIRL

### 155-61-22 SWIRL

### 155-75-25 SWIRL

PITCH	PART NUMBER
13/19	SY55XLMSW1319
13/19R	SY55XLMSW1319R
13/20	SY55XLMSW1320
13/20R	SY55XLMSW1320R
13/21	SY55XLMSW1321
13/21R	SY55XLMSW1321R
18/23	SY55XLMSW1823
18/23R	SY55XLMSW1823R
18/24	SY55XLMSW1824
18/24R	SY55XLMSW1824R
18/25	SY55XLMSW1825
18/25R	SY55XLMSW1825R

PITCH	PART NUMBER
7/12	SY55XLSW0712
7/14	SY55XLSW0714
10/16	SY55XLSW1016
12/18R	SY55XLSW1218R
13/18	SY55XLSW1318
13/19	SY55XLSW1319
13/19R	SY55XLSW1319R
14/19	SY55XLSW1419
14/20	SY55XLSW1420
14/20R	SY55XLSW1420R
14/22	SY55XLSW1422
15/20	SY55XLSW1520

PITCH	PART NUMBER
11/18	SY557525SW1118
11/19	SY557525SW1119
12/19	SY557525SW1219
12/20	SY557525SW1220
13/20	SY557525SW1320
13/21	SY557525SW1321
13/22	SY557525SW1322
13/23	SY557525SW1323
13/24	SY557525SW1324
13/25	SY557525SW1325



### WATCON IMPELLER PITCH GAUGES

It's a known fact; not all impellers are created equal. Sometimes when impellers are mass produced, there are subtle differences that can affect performance. Use this simple tool to measure the pitch angle and blade length of each blade throughout its circumference. This enables you to make adjustments to the pitch where needed. Great for fine tuning, making minor changes or verifying pitch when sending impellers off for repair.

Description	Part No.
140-142mm Impeller Pitch Gauge	IMP-142
144-148mm Impeller Pitch Gauge	IMP-148
155-160mm Impeller Pitch Gauge	IMP-160

## RECOMMENDED SKAT-TRAK IMPELLER

Model	Year	Engine	Orig. Imp.	Pump Dia.	Stock Engine	Limited Engine	Modified Engine
XLT 1200 Ltd.	99-05	1176	15.2, 15.6	155mm	SY55XLSW1218R	*SY55XLSW1218R or SY55XLSW1319R**	SY55XLSW1420R
XL 1200	98-99	1176	13/19	155mm	SY55SW1217	SY55SW1318	SY55SW1318
Venture 1100	96-97	1100	16/19	155mm	*SY55SW1419 or SY55SSL1319**	*SY55SW1419 or SY55SSL1420**	SY55SSL14.521
XLT 800	00-04	784	n/a	155mm	SY55XLSW1016	Call for application	Call for application
XL 760	98-00	754	11/14	155mm	SY55SW0714	Call for application	Call for application
XL 700	99-04	701	11/14	155mm	SY55SW0712	SY55SW0714	Call for application
Venture 760	97	760	11/14	155mm	SY55SW0714	SY55SW0714	Call for application
Venture 700	98	701	11/14	155mm	SY55SW0712	SY55SW0714	Call for application
Venture 700	95-96	701	17/20	144mm	SY44SS14.518.5	SY44SS1519	SY44SS1420
Blaster 2	96-97	760	13/16	155mm	SY55SW0714	SY55SW0714	Call for application
Blaster	93-96	701	15/18	144mm	SY44SS1418	SY44SS14.518.5	SY44SS1420 to SY44SS1519
Pro VXR	93-94	701	15/18	144mm	SY44SL1419	SY44SL1419	SY44SL1419 to SY44SL1520
VXR	91-95	650	14/19 al	144mm	SY44SL1318	SY44SL1419	SY44SL1419 to SY44SL1520
Wave 3 GP	94-95	701	15/18	144mm	*SY44SL1318 or SY44SL1419**	SY44SL1419	SY44SL1419 to SY44SL1520
Wave 3	97	701	13/16 al	144mm	SY44SL1318	SY44SL1318 to SY44SL1419	SY44SL1419 to SY44SL1520
Wave 3	91-96	650	13/16 al	144mm	SY44SL1318	SY44SL1318 to SY44SL1419	SY44SL1419 to SY44SL1520
SuperJet	94-12	701	13/16	144mm	SY44SS1418	SY44SS14.518.5	SY44SS1420 to SY44SS1519
SuperJet	90-93	650	14/19 al	144mm	SY44SS1418	SY44SS14.518.5	SY44SS1420 to SY44SS1519
SJ FreeStyle	all	all	n/a	144mm	SY44SW1217 or SY44SW1317 or SY44SW1318	SY44SW1419 or SY44SW1520	SY44S1519 or SY44SW1520 or SY44SW1621
FX-1	94-95	701	21/27 al	n/a	SYFX1SL1924	SYFX1SL1924	SYFX1SL2025
LX 650	all	650	17 al	n/a	SYLX1619	SYLX1619	SYLX1720
Wave 500	all	500	16 al	n/a	SY500WR1316	SY500WR1316	SY500WR1417

\* Suggested for maximum bottom-to-mid range acceleration gains. \*\* Suggested for maximum top speed gains. Refer to the USBA Rulebook for a more detailed definition of "Stock, Limited, and Modified."

## SKAT TRAK IMPELLER DESIGNS AND PITCHES AVAILABLE

### 144 SSL

PITCH	PART NUMBER
14/18	SY44SS1418
14.5/18.5	SY44SS14.518.5
14/20	SY44SS1420
14/22	SSY44SS1422
15/19	SY44SS1519

### 144 SLIM LINE

PITCH	PART NUMBER
13/18	SY44SL1318
14/19	SY44SL1419
15/20	SY44SL1520
16/21	SY44SL1621

### 144 SWIRL

PITCH	PART NUMBER
12/17	SY44SW1217
13/17	SY44SW1317
13/18	SY44SW1318
14/19	SY44SW1419
15/19	SY44SW1519
15/20	SY44SW1520
16/21	SY44SW1621

### 155-75-20K YAM SWIRL

PITCH	PART NUMBER
15/23	SY55KYSW1523
16/23	SY55KYSW1623
16/24	SY55KYSW1624
17/24	SY55KYSW1724

### 155-61-20 SWIRL

PITCH	PART NUMBER
7/12	SY55SW0712
7/14	SY55SW0714
12/17	SY55SW1217
13/18	SY55SW1318
14/19	SY55SW1419
15/20	SY55SW1520
16/21	SY55SW1621

### 155-61-20 SSL

PITCH	PART NUMBER
14/18	SY55SSL1319
14.5/21	SY55SSL14.521
14/20	SY55SSL1420

## IMPELLER/DRIVESHAFT HOLDER AND REMOVAL TOOL

**A.** **Part No. TOOL#23**  
**A.** 580/650/720/800/951 All 18mm spline

**B.** **Part No. TOOL#38**  
**B.** Polaris ALL & long reach univ.

**Kawasaki** **Part No. TOOL#23**  
**A.** SX, X2, TS, SC, Ultra 250/260/300 18mm spline  
**C.** 440/550-89 16mm spline **TOOL#24**

**D.** **Part No. TOOL#70**  
**D.** GTX 4Tec Super Charged  
**E.** RXP/RXT 27MM **TOOL#71**

**SOLAS RXP/RXT IMPELLER HOLDER TOOL**  
  
**Sea Doo** **Part No. WR012-SRX**  
**RXP/RXT 27MM**

**F.** **Part No. TOOL#27**  
**F.** WR500, WJ650LX 16mm spline  
**G.** 650/701/760/1100/1200 18mm spline **TOOL#32**  
**H.** GP1200R 20mm spline **TOOL#56**  
**SHO/FZR/FZS** **TOOL#53**

FOUR STROKE  
 INTAKE SYSTEMS  
 ENGINE/GASKETS  
 EXHAUST  
 DRIVE LINE HANDLING  
 ELECTRICAL  
 WATERLINE /BILGE  
 STEERING & CONTROLS  
 BODY  
 ACCESSORIES  
 SERVICE TOOLS /HARDWARE  
 CHEMICAL

## RECOMMENDED SKAT-TRAK IMPELLER

Model	Year	Orig. Imp.	Pump Dia.	Stock Engine	Limited Engine	Modified Engine
Ultra 300 X	11-12	n/a	160mm	SK608320SW1621	SK608320SW1622	SK608320SW1623
Ultra 300 LX	11-12	n/a	160mm	SK608320SW1621	SK608320SW1622	SK608320SW1623
Ultra 260 X	09-12	n/a	155mm	SK557520SW1419	Call for application	Call for application
Ultra 260 LX	09-12	n/a	155mm	SK557520SW1419	Call for application	Call for application
Ultra 250 X	07-08	n/a	155mm	SK557520SW1318	SK557520SW1318 or SK557520SW1319	SK557520SW1319 or SK557520SW1420
Ultra LX	07-12	n/a	155mm	SK557520SW1016	Call for application	Call for application
Ultra 130 Di	01-04	n/a	Tapered	SK150SW1419	SK150SW1520	SK150SW1421/SK150SW1422/ SK150SW1423
Ultra 150	99-05	n/a	Tapered	SK150SW1419	SK150SW1420	SK150SW1421/SK150SW1422/ SK150SW1423
STX 12-F	04-08	n/a	148mm	*SK1100SW1319 or SK1100SW1319R**	SK1100SW1420	Call for application
STX 15-F	04-10	n/a	148mm	*SK1100SW1319 or SK1100SW1319R**	Call for application	Call for application
Ultra STX	2009	n/a	148mm	*SK1100SW1319 or SK1100SW1319R**	Call for application	Call for application
1200 STX-R	02-05	n/a	148mm	*SK1100SW1424 or SK1100SW1424R**	*SK1100SW1424 or SK1100SW1424R**	*SK1100SW1424 or SK1100SW1424R**
1100 STX Di	00-03	n/a	148mm	SK1100SW1319R	SK1100SW1420	SK1100SW1420
1100 STX	97-99	8/22	148mm	SK1100SW1318	SK1100SW1318 to SK1100SW1319	SK1100SW1420 to SK1100SW1424
900 STX	01-06	12/17	148mm	SK1100SW1217	SK1100SW1318	SK1100SW1419
900 STX	97-00	10/24	140mm	*SK900SW1419 or SK900SL1520**	*SK900SW1419 or SK900SL1621**	*SK900SW1520 or SK900SL1722**
1100 ZXi	99-03	7/20	148mm	SK1100SW1318	*SK1100SW1318 or SK1100SW1319**	SK1100SW1420 to SK1100SW1424
900 ZXi	95-97	14/22	140mm	*SK900SW1419 or SK900SL1520**	*SK900SW1419 or SK900SL1621**	*SK900SW1520 or SK900SL1722**
900 STS	01-02	n/a	140mm	SK900SL1621	SK900SL1722	SK900SL1723
750 ZXi	95-97	14/22	140mm	SK900SW1318	SK900SW1318 to SK900SW1419	SK900SW1419 to SK900SW1520
750 Xi Sport	98-99	13/18	140mm	*SK900SW1217 or SK750ST1018**	*SK900SW1217 or SK750ST1119**	*SK900SW1318 or SK900SL1318**
750 Xi	96-97	13/18	140mm	*SK900SW1217 or SK750ST1018**	*SK900SW1217 or SK750ST1119**	*SK900SW1318 or SK900SL1318**
750 Xi	93-95	8/16 5-blade	140mm	SK750ST1018	SK750ST1119	*SK900SW1318 or SK900SL1318**
800 SX-R	03-12	n/a	140mm	SK4075SW1318	SK4075SW1419	SK4075SW1520

\* Suggested for maximum bottom-to-mid range acceleration gains. \*\* Suggested for maximum top speed gains. Refer to the USBA Rulebook for a more detailed definition of "Stock, Limited, and Modified."

## SKAT TRAK IMPELLER DESIGNS AND PITCHES AVAILABLE

### 550 JS

PITCH	PART NUMBER
13/16	SK550ST1316
14/17	SK550ST1417

### 550 SX

PITCH	PART NUMBER
13/16	SK550SX1316
14/17	SK550SX1417

### 650 STANDARD

PITCH	PART NUMBER
8/16	SK650ST0816
9/17	SK650ST0917
10/18	SK650ST1018
11/19	SK650ST1119

### 750 STANDARD

PITCH	PART NUMBER
8/16	SK750ST0816
9/17	SK750ST0917
10/18	SK750ST1018
11/19	SK750ST1119
12/20	SK750ST1220

### 60-83-20 3-BLADE SWIRL

PITCH	PART NUMBER
16/21	SK608320SW1621
16/22	SK608320SW1622
16/23	SK608320SW1623

### 750/900 SWIRL

PITCH	PART NUMBER
12/17	SK900SW1217
13/18	SK900SW1318
14/19	SK900SW1419
15/20	SK900SW1520
16/21	SK900SW1621
17/22	SK900SW1722

### 750/900 SLIM LINE

PITCH	PART NUMBER
12/17	SK900SL1217
13/18	SK900SL1318
14/19	SK900SL1419
15/20	SK900SL1520
16/21	SK900SL1621
17/22	SK900SL1722
18/23	SK900SL1823

### ULTRA 150 SWIRL

PITCH	PART NUMBER
14/19	SK150SW1419
14/20	SK150SW1420
14/21	SK150SW1421
14/22	SK150SW1422
14/23	SK150SW1423
14/24	SK150SW1424

### 140-75 SWIRL

PITCH	PART NUMBER
9/17	SK4075SW0917
10/18	SK4075SW1018
13/18	SK4075SW1318
14/18	SK4075SW1418
14/19	SK4075SW1419
15/20	SK4075SW1520

### 155-75-20 SWIRL

PITCH	PART NUMBER
12/19	SK557520SW1219
12/20	SK557520SW1220
13/18	SK557520SW1318
13/19	SK557520SW1319
13/21	SK557520SW1321
14/20	SK557520SW1420

### 1100/1200 SWIRL

PITCH	PART NUMBER
12/17	SK1100SW1217
13/18	SK1100SW1318
13/19	SK1100SW1319
13/19R	SK1100SW1319R
14/19	SK1100SW1419
14/20	SK1100SW1420
14/23	SK1100SW1423
14/24	SK1100SW1424
14/24R	SK1100SW1424R
14/25	SK1100SW1425
14/25R	SK1100SW1425R
16/25	SK1100SW1625

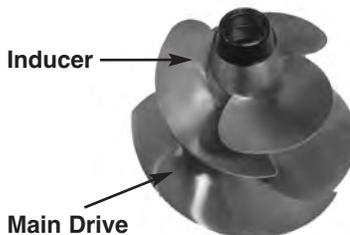
## RECOMMENDED SKAT-TRAK IMPELLER

Model	Year	Orig. Imp.	Pump Dia.	Stock Engine	Limited Engine	Modified Engine
750 Sxi Pro	98-02	9/17	140mm	*SK750ST0917 or SK750ST1018**	*SK900SW1217 or SK750ST1018**	*SK900SW1318 or SK900SL1318**
750 SXi	95-96	9/17	140mm	*SK750ST0917 or SK750ST1018**	*SK900SW1217 or SK750ST1018**	*SK900SW1318 or SK900SL1318**
750 SX	92-95	14/19 alum.	140mm	SK750ST0917	SK750ST0917 to SK750ST1018	*SK900SW1318 or SK900SL1318**
750 SS	96-97	12/17	140mm	SK750ST0917	SK750ST0917 to SK750ST1018	*SK900SW1318 or SK900SL1318**
	92-95	14/19 alum.	140mm	SK750ST0917	SK750ST0917 to SK750ST1018	*SK900SW1318 or SK900SL1318**
750 XIR	94	9/17	140mm	SK750ST0917	SK750ST0917 to SK750ST1018	*SK900SW1318 or SK900SL1318**
750 STX	98	12/17	140mm	*SK900SW1217 or SK750ST1018**	SK900SW1318	SK900SW1419
750 STS	96-97	12/17	140mm	*SK900SW1217 or SK750ST1018**	*SK900SW1217 or SK750ST1119**	*SK900SW1318 or SK900SL1318**
	95	13/18	140mm	*SK900SW1217 or SK750ST1018**	*SK900SW1217 or SK750ST1119**	*SK900SW1318 or SK900SL1318**
750 ST	95	13/21	140mm	SK750ST0917	SK750ST0917 to SK750ST1018	*SK900SW1318 or SK900SL1318**
	93-94	10/18 alum. 5-bl.	140mm	SK750ST0917	SK750ST0917 to SK750ST1018	*SK900SW1318 or SK900SL1318**
650 TS	89-96	16.5 alum.	140mm	SK650ST0917	SK650ST0917 to SK650ST1018	SK650ST1119
650 SX	86-93	15 alum.	140mm	SK650ST0816	SK650ST0917	SK650ST1018 to SK650ST1119
650 X-2	86-95	18 alum.	140mm	SK650ST0816	SK650ST0917	SK650ST1018 to SK650ST1119
650 SC	91-95	16.5 alum.	140mm	SK650ST0917	SK650ST0917 to SK650ST1018	SK650ST1119
650 JM	91-92	15 alum.	140mm	SK650ST0917	SK650ST0917 to SK650ST1018	SK650ST1119
550 SX	90-95	17.5 alum.	Tapered	SK550SX1316	SK550SX1316	SK550SX1417
550 JS	82-89	16 alum.	Tapered	SK550ST1316	SK550ST1316	SK550ST1417
440 JS	77-94	15 alum.	121.7mm	SK440ST1316	SK440ST1316	SK440ST1417
300 SX	87-91	15 alum.	121.7mm	SK440ST1316	SK440ST1316	SK440ST1417
300 JS	86-88	15 alum.	121.7mm	SK440ST1316	SK440ST1316	SK440ST1417

\* Suggested for maximum bottom-to-mid range acceleration gains. \*\* Suggested for maximum top speed gains. Refer to the USBA Rulebook for a more detailed definition of "Stock, Limited, and Modified."

### SKAT-TRAK TWIN IMPELLERS

The new Twin Prop design drives of the line much quicker than the traditional single prop, and offers a substantial increase in rough water hookup.



# Skat-Trak

Performance Products USA

#### SEA DOO RXP-X

	Engine Mods	Pitch	Part No.		Engine Mods	Pitch	Part No.
Main Drive	Stock	13/17	SS598328SWM1317	Inducer	Stock	13/17	SS440ID1317
Main Drive	Limited	13/18	SS598328SWM1318	Inducer	Limited	13/18	SS440ID1318
Main Drive	Supermod	15/20	SS598328SWM1520	Inducer	Supermod	15/20	SS440ID1520

#### SEA DOO RXT-X

	Engine Mods	Pitch	Part No.		Engine Mods	Pitch	Part No.
Main Drive	Stock	12/16	SS598328SWM1216	Inducer	Stock	12/17	SS440ID1217
Main Drive	Limited	13/17	SS598328SWM1317	Inducer	Limited	12/17	SS440ID1217
Main Drive	Supermod	15/18	SS598328SWM1518	Inducer	Supermod	15/18	SS440ID1518

#### FX-SHO/FZR

	Engine Mods	Pitch	Part No.		Engine Mods	Pitch	Part No.
Main Drive	Stock	12/18	SY557525SWM1218	Inducer	Stock	12/17	SY440ID1217
Main Drive	Limited	12/20	SY557525SWM1220	Inducer	Limited	12/17	SY440ID1217
Main Drive	Supermod	13/23	SY557525SWM1323	Inducer	Supermod	14/18	SY440ID1418

#### ULTRA 250X/260X

	Engine Mods	Pitch	Part No.		Engine Mods	Pitch	Part No.
Main Drive	Stock	12/18	SK557520SWM1218	Inducer	Stock	12/17	SK440ID1217
Main Drive	Limited	12/20	SK557520SWM1220	Inducer	Limited	12/17	SK440ID1217
Main Drive	Supermod	13/23	SK557520SWM1323	Inducer	Supermod	14/18	SK440ID1418

#### ULTRA 300X

	Engine Mods	Pitch	Part No.		Engine Mods	Pitch	Part No.
Main Drive	Stock	16/21	SK632820SWM1621	Inducer	Stock	13/18	SK440ID1318
Main Drive	Limited	16/22	SK632820SWM1622	Inducer	Limited	14/19	SK440ID1419
Main Drive	Supermod	16/23	SK632820SWM1623	Inducer	Supermod	15/20	SK440ID1520

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS  
HARDWARE  
CHEMICAL

# 1988-2012 SEA DOO WATERCRAFT

Engine cc	Model	Year	PUMP Diameter	RECOMMENDED SOLAS IMPELLER			
				SERIES	STOCK Engine	LIMITED Engine	MODIFIED Engine
1494	RXT IS 260 / RXT-X 260	2009-	159mm	CONCORD	SRZ-CD-15/21	SRZ-CD-15/21	
	GTX LIMITED IS 260	2009-		CONCORD	SRZ-CD-15/21	SRZ-CD-15/21	
	RXP-X 265	2009-		CONCORD	SRZ-CD-15/21	SRZ-CD-15/21	
	RXP(215HP)	2009-		CONCORD	SRZ-CD-14/19	SRZ-CD-14/19	SRZ-CD-15/20
	RXT(215HP)	2009-		CONCORD	SRZ-CD-13/18	SRZ-CD-14/19	SRZ-CD-15/20
	WAKE PRO(215hp)	2009-		CONCORD	SRZ-CD-13/18	SRZ-CD-14/19	SRZ-CD-15/20
	GTX(215hp)	2009-		CONCORD	SRZ-CD-13/18	SRZ-CD-14/19	SRZ-CD-15/20
	RXP-X	2008		CONCORD	SRX-CD-15/21	SRX-CD-15/21	
	RXT-X	2008		CONCORD	SRX-CD-14/19	SRX-CD-14/19	
	RXP(215HP)	2004-		CONCORD	SRX-CD-14/19	SRX-CD-14/19	SRX-CD-15/20
	RXT(215HP)	2005-		CONCORD	SRX-CD-13/18	SRX-CD-14/19	SRX-CD-15/20
	GTX Limited(215HP)	2005-		CONCORD	SRX-CD-13/18	SRX-CD-14/19	SRX-CD-15/20
	WAKE SUPERCHARGED(215HP)	2007-		CONCORD	SRX-CD-13/18	SRX-CD-14/19	SRX-CD-15/20
	GTX 4-tech Limited Supercharge(185HP)	2003-2004		CONCORD	SR-CD-12/20	SR-CD-13/21	SR-CD-13/21
GTX 4-tech Supercharge(185HP)	2003-2006	CONCORD	SR-CD-12/20	SR-CD-12/20	SR-CD-13/21		
GTS SE 155/ RXP(155HP)	2007-	155.5mm	CONCORD	SR-CD-11/19	SR-CD-12/20	SR-CD-12/20	
GTX / GTX 4-tech / GTX wake(155HP)	2002-	CONCORD	SR-CD-11/19	SR-CD-12/20	SR-CD-12/20		
GTI / GTI SE 130	2006-	CONCORD	SR-CD-10/18	SR-CD-11/19	SR-CD-11/19		
RXX	2001-2002	148mm	CONCORD	KG-CD-15/21	KG-CD-16/22	KG-CD-16/22	
XP / XP DI	2000-2004	CONCORD	ST-CD-15/20	ST-CD-16/21	ST-CD-17/22		
			DYNAFLY	ST-DF-13/19	ST-DF-13/19	ST-DF-14/20	
RX / RX DI	2000-2003	CONCORD	ST-CD-15/20	ST-CD-16/21	ST-CD-17/22		
			DYNAFLY	ST-DF-13/19	ST-DF-13/19	ST-DF-14/20	
951	GTX/GTX DI	2000-2003	155.5mm	CONCORD	ST-CD-15/20	ST-CD-15/20	ST-CD-16/21
			DYNAFLY	ST-DF-13/19	ST-DF-13/19	ST-DF-14/20	
GSX Ltd. / GTX Ltd. / XP Ltd.	98-99	CONCORD	ST-CD-15/20	ST-CD-15/20	ST-CD-16/21		
			X Prop	ST-SC-X0(14.5-17.5)	ST-SC-X0(14.5-17.5)	ST-SC-X(15.5-18.5)	
LRV / LRV DI	99-2003	CONCORD	ST-CD-14/19	ST-CD-14/19	ST-CD-15/20		
			X Prop	ST-SC-X0(14.5-17.5)	ST-SC-X0(14.5-17.5)	ST-SC-X(15.5-18.5)	
GSX Ltd.	97	X Prop	SE-SC-X(13-16) (LIMITED SUPPLY)				
3D / 3D BASE	2005-2007	140mm	CONCORD	ST-CD-10/16	ST-CD-10/16		
GSX RFI / GTX RFI	99-2000	CONCORD	SF-CD-15/23	SF-CD-16/24	SF-CD-17/25		
782	XP / SPX / GSX	96-98	140mm	CONCORD	SD-CD-15/23	SD-CD-16/24	SD-CD-17/25
			X Prop	SD-SC-X0(16.5-23.5)	SD-SC-X0(16.5-23.5)	SD-SC-X(17-24)	
GTX / GTX PRO	96-98	CONCORD	SD-CD-14/22	SD-CD-15/23	SD-CD-16/24		
			X Prop	SD-SC-X0(16.5-23.5)	SD-SC-X0(16.5-23.5)	SD-SC-X(17-24)	
GTI / GTI LE / GTI RFI	2001-2005	185.5mm	CONCORD	ST-CD-10/16	ST-CD-10/16		
GTS	2001-2002	CONCORD	ST-CD-10/16	ST-CD-10/16			
XP / SPX	95-97	CONCORD	SD-CD-14/22	SD-CD-15/23	SD-CD-16/24		
			X Prop	SD-SC-X(16-23)	SD-SC-X(16-23)	SD-SC-X0(16.5-23.5)	
			IJK SERIES	SD-SC-I(14-19)	SD-SC-J(15-20)	SD-SC-K(16-21)	
720	GS / GSI	97-2001	140mm	CONCORD	SD-CD-14/22	SD-CD-15/23	SD-CD-16/24
			X Prop	SD-SC-X(16-23)	SD-SC-X(16-23)	SD-SC-X0(16.5-23.5)	
			IJK SERIES	SD-SC-I(14-19)	SD-SC-J(15-20)	SD-SC-K(16-21)	
			CONCORD	SD-CD-14/22	SD-CD-15/23	SD-CD-16/24	
GTI / GTS	96-2000	X Prop	SD-SC-X(16-23)	SD-SC-X(16-23)	SD-SC-X0(16.5-23.5)		
			IJK SERIES	SD-SC-I(14-19)	SD-SC-J(15-20)	SD-SC-K(16-21)	
HX	95-	X Prop	SD-SC-X(16-23)	SD-SC-X(16-23)	SD-SC-X0(16.5-23.5)		
			IJK SERIES	SD-SC-I(14-19)	SD-SC-J(15-20)	SD-SC-K(16-21)	
XP	93-94	IJK SERIES	SD-SC-I(14-19)	SD-SC-I(14-19)	SD-SC-I(15-20)		
650	SPX	94-95	140mm	IJK SERIES	SD-SC-I(14-19)	SD-SC-I(15-20)	
	GSX	94-95	IJK SERIES	SD-SC-I(14-19)	SD-SC-I(14-19)	SD-SC-I(15-20)	
	GTX	94-95	IJK SERIES	SD-SC-I(14-19)	SD-SC-I(14-19)	SD-SC-I(15-20)	

## SRX CONCORD

PITCH	PART NUMBER
13/18	SRX-CD-1318
14/19	SRX-CD-1419
15/21	SRX-CD-1521

## SRZ CONCORD

PITCH	PART NUMBER
13/18	SRZ-CD-1318
14/19	SRZ-CD-1419
15/20	SRZ-CD-1520
15/21	SRZ-CD-1521

## SR CONCORD

PITCH	PART NUMBER
10/18	SR-CD-1018
11/19	SR-CD-1119
12/20	SR-CD-1220
13/21	SR-CD-1321

## ST CONCORD

PITCH	PART NUMBER
14/19	ST-CD-1419
15/20	ST-CD-1520
16/21	ST-CD-1621
17/22	ST-CD-1722

## ST DYNAFLY

PITCH	PART NUMBER
12/18	ST-DF-1218
13/19	ST-DF-1319
14/20	ST-DF-1420



# 1987-2012 YAMAHA WATERCRAFT



Engine cc	Model	Year	PUMP Diameter	RECOMMENDED SOLAS IMPELLER			
				SERIES	STOCK Engine	LIMITED Engine	MODIFIED Engine
1812	SHO, SHO FZR/FZS	2009-	155mm	CONCORD	YS-TP-14/23 <sup>NEW!</sup>		
	VXR/ VXS	2011-		CONCORD	YS-CD-13/19 <sup>NEW!</sup>	YS-CD-13/22 <sup>NEW!</sup>	YS-CD-13/22 <sup>NEW!</sup>
	SHO, SHO FZR/FZS	2008-		DYNAFLY	YS-DF-14/21	YS-DF-14/21	YS-DF-15/22
	FX High Output	2009-	155mm	CONCORD	YS-CD-13/22	YS-CD-13/22	YS-CD-14/23
	FX CRUISER High Output	2009-		DYNAFLY	YS-DF-14/21	YS-DF-14/21	YS-DF-15/22
1300	Wave Runner GP1300R	2005-	155mm	CONCORD	YS-CD-13/22	YS-CD-13/22	YS-CD-14/23
	Wave Runner XLT 1200	2003-2004		DYNAFLY	YG-DF-14/20	YG-DF-14/20	YG-DF-15/22
	Wave Runner GP1200R	99-2005		CONCORD	YF-CD-13/19	YF-CD-13/19	YF-CD-14/20
	Wave Runner SUV1200	2000-2002		CONCORD	YF-CD-13/19	YF-CD-13/19	YF-CD-14/20
	Wave Runner XL1200	99-2003	155mm	CONCORD	YF-CD-12/18	YF-CD-12/18	YF-CD-14/20
1200	Wave Runner XL1200	98-99		CONCORD	YD-CD-12/18	YD-CD-12/18	YD-CD-13/19
	Wave Runner GP1200	97-99		CONCORD	YD-CD-13/19	YD-CD-13/19	YD-CD-14/20
				X Props	YD-SC-X(14.5-17.5)	YD-SC-X(14.5-17.5)	YD-SC-X(15.5-18.5)
	Wave Runner GP1200R	99		CONCORD	YD-CD-13/19	YD-CD-13/19	YD-CD-14/20
				X Props	YD-SC-X(14.5-17.5)	YD-SC-X(14.5-17.5)	YD-SC-X(15.5-18.5)
1052	FX High Output	2004-2008		DYNAFLY	YG-DF-14/20	YG-DF-14/20	YG-DF-15/22
	FX CRUISER High Output	2004-2008	155mm	DYNAFLY	YG-DF-14/20	YG-DF-14/20	YG-DF-15/22
	VX / VX sport / VX Deluxe / VX Cruiser	2005-		CONCORD	YH-CD-18/22	YH-CD-18/22	YH-CD-18/22
1100	Wave Raider 1100 / Wave Venture 1100	95-97	155mm	CONCORD	YD-CD-12/18	YD-CD-12/18	YD-CD-13/19
				X Props	YD-SC-X(13-16)	YD-SC-X(13-16)	YD-SC-X(14.5-17.5)
				IJK SERIES	YD-SC-I(13-19)	YD-SC-I(13-19)	YD-SC-J(14-20)
998	FX-140 / FX Cruiser	2003-	155mm	CONCORD	YF-CD-12/18	YF-CD-13/19	YF-CD-13/19
	Wave Runner GP800R	2001-2005	155mm	CONCORD	YF-CD-11/14	YF-CD-11/14	YF-CD-13/19
	Wave Runner XL800	2000-2004		CONCORD	YF-CD-11/14	YF-CD-11/14	YF-CD-13/19
800	Wave Runner GP800	98-2000		CONCORD	YB-CD-14/18	YB-CD-15/19	YB-CD-16/20
				X Props	YB-SC-X(15.5-18.5)	YB-SC-X(15.5-18.5)	YB-SC-X(16-19)
			144mm	IJK SERIES	YB-SC-J(14.7-18.5)	YB-SC-J(14.7-18.5)	YB-SC-K(15-19)
				CONCORD	YB-CD-13/17	YB-CD-14/18	YB-CD-15/19
				X Props	YB-SC-X(15-18)	YB-SC-X(15.5-18.5)	YB-SC-X(16-19)
760	Wave Runner XL800	98-99		IJK SERIES	YB-SC-I(14.5-18)	YB-SC-I(14.7-18.5)	YB-SC-K(15-19)
				CONCORD	YB-CD-13/17	YB-CD-14/18	YB-CD-15/19
	Wave Runner GP760	97-2000	144mm	X Props	YB-SC-X(15-18)	YB-SC-X(15.5-18.5)	YB-SC-X(16-19)
	Wave Raider 760	96		IJK SERIES	YB-SC-I(14.5-18)	YB-SC-I(14.7-18.5)	YB-SC-K(15-19)
	Wave Runner XL760 / Wave Venture 760	98-99		CONCORD	YD-CD-11/14	YD-CD-11/14	YD-SC-K(13-19)
701	Wave Blaster II	96-97	155mm	X Props	YD-SC-X(13-16)	YD-SC-X(13-16)	YD-SC-K(13-19)
				IJK SERIES	YD-SC-S(12-18.5)	YD-SC-S(12-18.5)	YD-SC-K(13-19)
	VX 700	2006-	155mm	CONCORD	YH-CD-11/14	YH-CD-11/14	YH-CD-11/14
	Wave Raider 700 / Wave Deluxe / Venture	94-97		CONCORD	YB-CD-13/17	YB-CD-13/17	YB-CD-14/18
				X Props	YB-SC-X(15-18)	YB-SC-X(15.5-18.5)	YB-SC-X(16-19)
650	Wave Blaster / Wave Runner GP700 / Pro VXR	93-97	144mm	IJK SERIES	YB-SC-I(14.5-18)	YB-SC-I(14.7-18.5)	YB-SC-K(15-19)
				CONCORD	YB-CD-13/17	YB-CD-13/17	YB-CD-14/18
				X Props	YB-SC-X(15-18)	YB-SC-X(15.5-18.5)	YB-SC-X(16-19)
	SuperJet	2008-		CONCORD	YQ-CD-12/18	YQ-CD-13/19	YQ-CD-13/19
	Wave Runner XL700	94-2007	155mm	CONCORD	YB-CD-13/17	YB-CD-13/17	YB-CD-14/18
500	Wave Runner III	90-96	144mm	IJK SERIES	YB-SC-I(14.5-18)	YB-SC-I(14.7-18.5)	YB-SC-K(15-19)
	SuperJet	90-93		CONCORD	YB-CD-13/17	YB-CD-13/17	YB-CD-14/18
	VXR	91-95		IJK SERIES	YB-SC-I(14.5-18)	YB-SC-I(14.7-18.5)	YB-SC-K(15-19)
	Wave Jammer 650 / LX 650	ALL	Tapered	ABC SERIES	YA-SC-A(13-18)	YA-SC-A(13-18)	YA-SC-B(14-19)
500	Wave Runner 500 / Wave JAMMER 500	ALL	Tapered	ABC SERIES	YA-SC-A(13-18)	YA-SC-B(14-19)	

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES /HARDWARE  
SERVICE TOOLS  
CHEMICAL

## YB CONCORD

PITCH	PART NUMBER
13/17	YB-CD-1317
14/18	YB-CD-1418
15/19	YB-CD-1519
16/20	YB-CD-1620

## YB X-PROP

PITCH	PART NUMBER
15/18	YB-SC-X
16/19	YB-SC-XI

## YF CONCORD

PITCH	PART NUMBER
11/14	YF-CD-1114
12/18	YF-CD-1218
13/19	YF-CD-1319
14/20	YF-CD-1420

## YD CONCORD

PITCH	PART NUMBER
12/18	YD-CD-1218
13/19	YD-CD-1319
14/20	YD-CD-1420

## YB SUPER CAMBER

PITCH	PART NUMBER
14.5/18	YB-SC-I
14.7/18.5	YB-SC-J
15/19	YB-SC-K

## YH CONCORD

PITCH	PART NUMBER
18/22	YH-CD-1822

## YG DYNAFLY

PITCH	PART NUMBER
13/19	YG-DF-1319
14/20	YG-DF-1420

## YS DYNAFLY

PITCH	PART NUMBER
14/21	YS-DF-1421
15/22	YS-DF-1522

## YD SUPER CAMBER

PITCH	PART NUMBER
16/19	YD-SC-XO

# 1977-2012 KAWASAKI WATERCRAFT



Engine cc	Model	Year	PUMP Diameter	RECOMMENDED SOLAS IMPELLER			
				SERIES	STOCK Engine	LIMITED Engine	MODIFIED Engine
1498	ULTRA 300X / 300LX	2011~	180mm	CONCORD	KR-CD-14/21 <sup>16.5</sup>	KR-CD-14/21 , KR-CD-15/22 <sup>16.5</sup>	KR-CD-15/22 <sup>16.5</sup>
	ULTRA 260X/260LX	2008~		CONCORD	KX-CD-15/23	KX-CD-15/23, KX-CD-16/24	KX-CD-16/24
	ULTRA 250X	2007~	155mm	CONCORD	KX-CD-15/23, KX-CD-16/24	KX-CD-15/23, KX-CD-16/24	KX-CD-16/24
	ULTRA LX	2007~		CONCORD	KX-CD-10/16	KX-CD-10/16	
1199	STX-15F	2004~	148mm	CONCORD	KG-CD-14/21	KG-CD-14/21	KG-CD-15/21
	STX-12F	2003~	149mm	CONCORD	KG-CD-13/19	KG-CD-13/19	KG-CD-14/20
1176	ULTRA 150	99-2006	Tapered	DYNAFLY	KH-DF-16/20	KH-DF-16/20	KH-DF-17/21
	1200 STX-R	2002-2006	148mm	CONCORD	KG-CD-15/21	KG-CD-15/21	KG-CD-16/22
1071	1100 STX DI	2001-2003		CONCORD	KG-CD-13/19	KG-CD-13/19	KG-CD-14/20
			X Props	KG-SC-X(16.5-24)	KG-SC-X(16.5-24)	KG-SC-X(17-24.5)	
	1100 STX	97-98	148mm	CONCORD	KG-CD-13/19	KG-CD-13/19	KG-CD-14/20
				X Props	KG-SC-X(16.5-24)	KG-SC-X(16.5-24)	KG-SC-X(17-24.5)
891	1100 ZXi	96-2003	148mm	CONCORD	KG-CD-13/19	KG-CD-13/19	KG-CD-14/20
			148mm	X Props	KG-SC-X(16.5-24)	KG-SC-X(16.5-24)	KG-SC-X(17-24.5)
782	900 STX	2003-2006	148mm	CONCORD	KG-CD-12/18	KG-CD-12/18	KG-CD-13/19
	900 STX / STS / ZXi	96-2002	140mm	X Props	KF-SC-X(16-23)	KF-SC-X(18-23.5)	KF-SC-X(19-25)
743	800 SX-R	2003~	140mm	DYNAFLY	KP-DF-13/22	KP-DF-14/23	KP-DF-14/23, 15/24
				CONCORD	KE-CD-09/15	KE-CD-11/16	KE-CD-11/16
	750 Sxi Pro	95-2002		X Props	KE-SC-X(14-21)	KE-SC-X(14-21)	KE-SC-X(14-21)
				IJK SERIES	KE-SC-S(13-18)	KE-SC-S(13-18)	KE-SC-I(14-19)
				CONCORD	KE-CD-11/16	KE-CD-12/18	KE-CD-12/18
	750 STS	95-2001		X Props	KE-SC-X(14-21)	KE-SC-X(14-21)	KE-SC-XI(16-23)
				IJK SERIES	KE-SC-S(13-18)	KE-SC-I(14-19)	KE-SC-J(15-20)
				CONCORD	KE-CD-11/16	KE-CD-12/18	KE-CD-12/18
	750 Xi Sport	93-2000		X Props	KE-SC-X(14-21)	KE-SC-X(14-21)	KE-SC-XI(16-23)
				IJK SERIES	KE-SC-S(13-18)	KE-SC-I(14-19)	KE-SC-J(15-20)
				CONCORD	KE-CD-11/16	KE-CD-12/18	KE-CD-12/18
	750 ZXi	95-97		X Props	KE-SC-X(14-21)	KE-SC-X(14-21)	KE-SC-XI(16-23)
			IJK SERIES	KE-SC-S(13-18)	KE-SC-I(14-19)	KE-SC-J(15-20)	
635	750 Xi	93-97	140mm	CONCORD	KE-CD-11/16	KE-CD-12/18	KE-CD-12/18
				X Props	KE-SC-X(14-21)	KE-SC-X(14-21)	KE-SC-XI(16-23)
	750 SS	92-97		CONCORD	KE-CD-09/15	KE-CD-11/16	KE-CD-11/16
				ABC SERIES	KE-SC-A(13-18)	KE-SC-B(14-19)	KE-SC-C(15-20)
550	750 SXi	95-96		CONCORD	KE-CD-11/16	KE-CD-12/18	KE-CD-12/18
				ABC SERIES	KE-SC-A(13-18)	KE-SC-B(14-19)	KE-SC-C(15-20)
	750 SX	92-96		CONCORD	KE-CD-11/16	KE-CD-12/18	KE-CD-12/18
				IJK SERIES	KE-SC-I(14-19)	KE-SC-J(15-20)	KE-SC-K(15-20)
440	750 SXi	95-96		ABC SERIES	KE-SC-A(13-18)	KE-SC-B(14-19)	KE-SC-C(15-20)
				CONCORD	KE-CD-11/16	KE-CD-12/18	KE-CD-12/18
	750 XIR	94		IJK SERIES	KE-SC-I(14-19)	KE-SC-J(15-20)	KE-SC-K(15-20)
				ABC SERIES	KE-SC-A(13-18)	KE-SC-B(14-19)	KE-SC-C(15-20)
635	750 ST	93-95		CONCORD	KE-CD-11/16	KE-CD-12/18	KE-CD-12/18
				IJK SERIES	KE-SC-I(14-19)	KE-SC-J(15-20)	KE-SC-K(15-20)
				ABC SERIES	KE-SC-A(13-18)	KE-SC-B(14-19)	KE-SC-C(15-20)
				IJK SERIES	KA-SC-I(13-18)	KA-SC-I(13-18)	KA-SC-J(14-19)
550	650 TS / 650 SX	89-96		ABC SERIES	KA-SC-A(13-18)	KA-SC-B(14-19)	KA-SC-C(15-20)
	650 X-2 / 650JM	91-96		IJK SERIES	KA-SC-I(13-18)	KA-SC-I(13-18)	KA-SC-J(14-19)
440	550 SX	90-96	Tapered	ABC SERIES	KA-SC-A(13-18)	KA-SC-B(14-19)	KA-SC-C(15-20)
	550 JS	82-89		ABC SERIES	KD-SC-A(13-18)	KD-SC-B(14-19)	KD-SC-B(14-19)
	440 JS	77-94	121mm	ABC SERIES	KC-SC-A(13-18)	KC-SC-B(14-19)	KC-SC-B(14-19)

Note: KG-CD-14/21 is the recommended impeller for KAWASAKI STX 15F (4-STROKE).

## KG CONCORD

## KE CONCORD

## KP DYNAFLY

## KH DYNAFLY

PITCH	PART NUMBER
12/18	KG-CD-1218
13/19	KG-CD-1319
14/20	KG-CD-1420
14/21	KG-CD-1421
15/21	KG-CD-1521
16/22	KG-CD-1622

PITCH	PART NUMBER
09/15	KE-CD-0915
11/16	KE-CD-1116
12/18	KE-CD-1218
13/19	KE-CD-1320

PITCH	PART NUMBER
13/22	KP-DF-1322
14/23	KP-DF-1423
15/24	KP-DF-1524

PITCH	PART NUMBER
16/20	KH-DF-1620
17/21	KH-DF-1721

## KX CONCORD

PITCH	PART NUMBER
10/16	KX-CD-1016
12/18	KX-CD-1218
16/21	KX-CD-1621



### SOLAS 12-VANE PERFORMANCE PUMP FOR KAWASAKI

The Solas Kawasaki High Performance 12 Vane Pump is a stainless steel vane, 140mm diameter with 75mm bearing carrier, pressed into an aluminum housing. It is a "Standard Position" pump, meaning, it is not set back, and you can use your existing driveshaft (no extended shaft necessary).

It comes complete with bearings, seals, pump shaft, and tail cone and to top it off, an adjustable diameter drop nozzle system!

The pump fits the 2003-2012 Kawasaki 800 SXR. It also fits the 1992-2002 750 models SX, SXi, SXi Pro, SS, ST, Xi, and XiR.

This pump kit does not include an impeller, trim system cable, or lever, we suggest using either the Solas KP-DF impeller, or the Skat-Trak C-75 Magnum Swirl impeller.

These pumps really improve rough water performance, and they fit right up to the hull like an OEM pump.

Description	Part No.
Solas 12 Vane Performance Pump with Trim System for Kawasaki	KPS-PM-140/74T



### SOLAS STAINLESS STEEL YAMAHA 12-VANE STATOR SECTION

Get HUGE gains in Hook Up on bottom end, and overall efficiency in rough conditions, and jet wash! This pump is a must have for Freestyle! The Brand New Solas Yamaha 144mm 12 Vane Pump Stator is now available and is an incredible value for the HUGE performance gain resulting from bolting this pump on!

This is the stator section only, is stainless steel, with large diameter bearing carrier, and a 12 vane standard position design. It replaces the stock Yamaha 144mm 6 vane aluminum stator section. No need to buy an expensive extended shaft with this pump conversion.

You will need a large hub design impeller such as the Impros Hooker impeller, the Solas Concord YQ-CD, or Skat-Trak C+75 Swirl impeller with this pump.

Yamaha	Part No.
Stainless Steel Yamaha 12-Vane Stator	YQS-SV-144
A. Impros Pump Spacer	IMYQ-NS
<i>(required when Solas pump stator is used with stock nozzle)</i>	
B. Impros Freestyle Tail Cone	IMYQ-FC
WSM Yamaha Pump Bearing & Seal Kit	003-630



### R&D'S "BIG ASS" PROP WRENCH

R&D's Big Ass prop wrench takes the fight out of removing any tough to remove prop. Changing the prop at the beach without a vise is no problem. Also light enough to carry in your luggage while traveling to international races. The key is LEVERAGE! The 28" long wrenches are made from 7" plate aluminum and utilize an ID hex to get maximum bite without slipping on the prop tool. With these tools your prop changing headaches are over, guaranteed. Measure your existing spline tool and Solas or Skat-Trak prop tool and order the proper size wrenches.

Description	Part No.
Fits Skat-Trak Prop Tool for Super Jet/Raider/Blaster	132-56001
Hex size .875"	
Fits Solas Shaft Spline Tool for Super Jet	132-56002
Hex size .910"	
Fits Skat-Trak Prop Tool for SHO/FZR/FZS/GPR/HO/FX/VX	132-56003
Hex size 1.000"	
Fits R&D Shaft Spline Tool for SHO/FZR/FZS	132-56004
Hex size 1.125"	
Fits Solas Shaft Spline Tool for GPR	132-56005
Hex size 1.150"	
Fits Solas Tool 1.175"	132-56006
Hex size 1.175"	
Fits Solas Prop Tool for SHO/FZ	132-56007
Hex size 1.415"	

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL



## YAMAHA HOOKER IMPELLERS

The Impros Hooker 144mm impeller for the Yamaha is a 3 blade large hub diameter (75mm), radial edge design polished stainless steel impeller designed and intended for Bottom end and "Hook up" for freestyle and freeriders on a Superjet, Blaster, or similar ski that utilizes the 144mm pump and want maximum AIR for tricks. We gave it this name because it "Hooks Up" so well. Designed around maximizing pump efficiency and bottom end, this is a new radial edge design, large hub (75mm), and is set back 7mm (4mm further than we can go with a small hub impeller). It is a highly polished Yamaha impeller that we will have available for the 144mm stock pump. Designed with a steep root angle to load the pump well. Material is a 17-4 stainless steel cast. Dynamically balanced, and comes mirror polished, with an impeller tool and rubber nose seal.

Recommendation	Part No.
Stock, Limited, Maximum Bottom End	<b>IMY144915</b>
Limited with Porting, Big Carb., More Top End	<b>IMY1441016</b>
Closed Course Race with Pipe, Max. Hookup, Added HP/Performance	<b>IMY1441117</b>

## KAWASAKI 750/800 HOOKER IMPELLERS

The Impros Hooker 140mm impeller for the Kawasaki 140mm pump is a 3 blade large hub diameter, radial edge design polished stainless steel impeller designed and intended for Bottom end and "Hook up" for freestyle and freeriders on an SXR, SXi Pro, or SX that utilizes the 140mm pump and want maximum AIR for tricks. Impros gave it this name because it "Hooks Up" so well. Designed around maximizing pump efficiency and bottom end, this is a new radial edge design, large hub, and is set back. It is a highly polished Kawasaki impeller that we will have available for the 140mm stock pump used in the SXR 800 and 750. Designed with a steep root angle to load the pump well. Material is a 17-4 stainless steel cast. Dynamically balanced, and comes polished, with a rubber nose seal.

We have it available in a variety of pitches for different engine set ups. The pitches available are 9/15, 10/16 and 11/17. These numbers are much different from other impeller pitches you have heard of. While they are very low, and directed at bottom end "Hit", the root angle, blade length and other geometric differences set the Hooker apart from the others.

Recommendation	Part No.
Stock, Limited, Maximum Bottom End	<b>IMK140915</b>
Limited with Porting, Big Carb., More Top End	<b>IMK1401016</b>
Closed Course Race with Pipe, Max. Hookup, Added HP/Performance	<b>IMK1401117</b>

## IMPROS CUSTOM MODIFIED SOLAS IMPELLERS



## KAWASAKI 800 SXR IMPROS CUSTOM SOLAS SET BACK IMPELLERS

Impros Set Back impellers are custom pitched to maximize performance & engine rpm for specific applications. These Solas Dynafly impellers are machined -5mm to set them closer to the pump vanes, which maximizes pump hook up. The impellers fit right into stock SXR pump.

Race Class	Description	Part No.
Freestyle	13/19 Solas Dynafly -5mm	<b>KPDF1319SB</b>
Stock	13/21 Solas Dynafly -5mm	<b>KPDF1321SB</b>
Limited	13/23 Solas Dynafly -5mm	<b>KPDF1323SB</b>
Modified	14/24 Solas Dynafly -5mm	<b>KPDF1424SB</b>



## YAMAHA SUPERJET FREESTYLE IMPROS CUSTOM SOLAS SET BACK IMPELLERS

Impros set back custom pitched impellers are modified to maximize bottom end and get the most air out of your ski! These impellers work with the stock pump, with & without the TBM Super Pump Cone.

Race Class	Description	Part No.
Freestyle	13/15 Solas Concord -3mm	<b>YBCD1315SB</b>
Stock/Ltd.	13/15 Solas Concord -3mm	<b>YBCD1315SB</b>
Modified	13/16 Solas Concord -3mm	<b>YBCD1316SB</b>



## R&D AFTERBURNER PUMP CONE SLEEVE/ADJUSTABLE CONE KIT

Transform the O.E.M Kawasaki SXR 800 Pump or O.E.M. Superjet Pump into a high performing large hub, high pressure axial flow design inexpensively with the exclusive R&D Large Hub Afterburner Pump Core sleeve and adjustable Anti-cavitation Pump Cone Kit design. Experience much better hole shots and 1 mph plus gains in top speed performance with the added pump efficiency and thrust. The Afterburner Pump Core will drastically increase pump hook up and rear end traction. The innovative and superior R&D design allows impeller changes to be made easily in minutes. The Afterburner Anti-cavitation rear cone length is tunable with kit supplied spacer shims which allows custom peak RPM tuning for any brand or pitch of impeller. Better holeshots, hook up, top speed, tunability.

Description	Part No.
Kawasaki SXR800 and 750 (1992-06)	161-00801*
Yamaha SuperJet (All Years)	162-00701*

**Fits Yamaha 144 Pumps Only.**

\*R&D pump cones require a 75mm large hub impeller.



Kawasaki  
161-00801

Yamaha  
162-00701

## KAWASAKI IMPELLER PITCH OPTIONS

Impeller Pitch	Manufacturer	Performance Level	Impeller Hub Size	Part No.
13/18 Degree	O.E.M. SXR 800	Stock	75mm	—
13/22 Degree	Solas Dynafly	Stock Mild Limited	75mm	KP-DF-1322
14/23 Degree	Solas Dynafly	Pro Race Limited	75mm	KP-DF-1423
15/24 Degree	Solas Dynafly	Pro Race Super Stock	75mm	KP-DF-1524
13/18 Degree	Skat-Trak Swirl 140	Stock Mild Limited	75mm	SK4075SW1318
14/19 Degree	Skat-Trak Swirl 140	Pro Race Limited	75mm	SK4075SW1419
15/20 Degree	Skat-Trak Swirl 140	Pro Race Super Stock	75mm	SK4075SW1520

## YAMAHA IMPELLER PITCH OPTIONS

Impeller Pitch	Manufacturer	Performance Level	Impeller Hub Size	Part No.
12/17 Degree	Skat-Trak	Stock to Mild Ltd 175-180 Comp (Pump Gas)	75mm	SY4475SW1217
13/18 Degree	Skat-Trak	Pro Race Ltd. 190 Comp (Aviation/Race Gas)	75mm	SY4475SW1318
14/19 Degree	Skat-Trak	Pro Race Superstock 190+ Comp. (Race Gas)	75mm	SY4475SW1319
15/20 Degree	Skat-Trak	Pro Race Stroked and Power Vale Modifieds	75mm	SY4475SW1520



### SXR 800 PRO SUPER STOCK PUMP CONE

The R&D Pro Super Stock Pump Cone is designed specifically for Super Stock SXR 800's. The cone mounts directly to the R&D

Afterburner Pump Core Sleeve and comes complete with two tuning shims and hardware.

Description	Part No.
SXR 800 Pro Super Stock Pump Cone	161-00803



### SXR 800 AFTERBURNER TUNABLE PUMP CONE FOR SKAT-TRAK PUMPS

The new R&D Afterburner Pump Cone for all Skat-Trak SXR 800 Pumps allows for custom peak rpm tuning. With the kit supplied spacer shims you can now fine tune the pump for maximum RPM and speed!

Description	Part No.
SXR 800 Afterburner Tunable Pump Cone for Skat-Trak Pumps	161-00804

FOUR STROKE	INTAKE SYSTEMS	ENGINE/GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES	SERVICE TOOLS /HARDWARE	CHEMICAL
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## ADJUST-A-THRUST

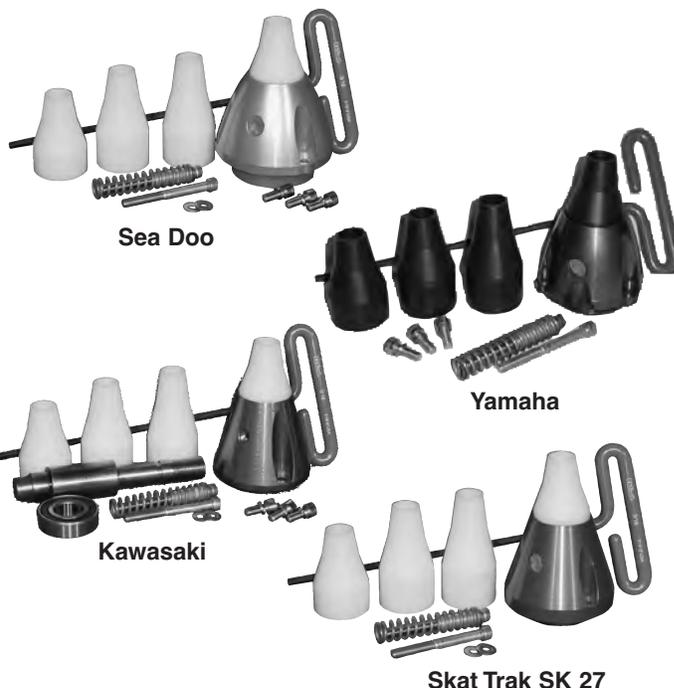
The only Automatic Transmission for PWC Jet Pumps Maximize Your Performance



In low gear the shuttle lets a large volume of water be moved to accelerate the craft.



As speed and pump pressure increase, the shuttle is forced out into the exit nozzle, reducing its size and increasing water velocity. This increases top speed.



Kawasaki	Part No.
1100 ZXI/STX, STXR, STX12F/15F (04-06)	<b>KAW1</b>
Ultra 250 (07-08), Ultra 260 (09-10), Ultra 300 (11-12), STX15F (07-12)	<b>KAW4</b>
*This Kit does not contain Bearings & Impeller Shaft All 650/750 SXI/750 SXI Pro/SXR 800	<b>KAW3</b>
Skat Trak Magnum Pump	Part No.
Skat Trak, Yamaha, Polaris Octane	<b>SKT1</b>
Skat Trak, Kawasaki/Sea Doo (75mm hub)	<b>SK27</b>

Sea Doo	Part No.
Sea Doo 155.5mm Pumps (98-06) with 951 engine, 3D	<b>SEA2</b>
Sea Doo 4-Tec 155.8mm 4-Tec Pumps (01-10) 4-Tec N/A, SC, RXP-X, RXT-X	<b>SEA4</b>
Sea Doo RFI Pumps, 140mm Pump with 75mm (99-01) GSX RFI (98-01), GTX RFI (99-01), GTI (non RFI), Speedster SK (99-00), Challenger SK, Sportster 1800	<b>SEA5</b>

Yamaha



Sea Doo  
Pump Cone  
Spacer



## R&D ANTI-CAVITATION CONE

The unique patent pending design balances the bowl pressure in the last stage of the pump to eliminate detectable cavitation. Improve bottom and punch midrange pull and overall performance.

Yamaha	Part No.
FX140 GP800R/GP1200R/ GP1300R (all except 05)	<b>162-12002</b>
XL1200LTD, XLT800/1200	<b>162-12003</b>
H.O./2005 GP1300R, VX110	<b>162-16000</b>
FX-SHO, FZR/FZS, VXR/VXS	<b>162-18000</b>

Sea Doo	Part No.
GTX/RXT/RXP 185/215 HP (04-07) RXP-X, RXT-X	<b>163-95001</b>
GTX 4-Tec/RXT Anti-Cavitation Pump Cone Spacer .200 (02-05)	<b>163-95200</b>

Kawasaki	Part No.
Ultra 250X/260X/300X	<b>161-25010</b>

Yamaha	Part No.
144mm, 155mm Pumps with Straight Exit Nozzle SJ (90-06), WR111 (91-97), GP700, VXR/VXR Pro, Blaster, B2, All Raider (94-97), GP1200 (97-99), Venture 1100, XL1200 (98-99)	<b>YAM1</b>
144mm, 155mm Pumps with Angled Exit Nozzle 3 to 5 deg. GPR 1200 (99-02), XLT 1200 (99-02), FX140, GPR1300, GP760, GP800	<b>YAM2</b>
155mm Angled (3 to 5 deg) Pump with 75mm hub. FX HO, FX 160 (05-06), GPR1300	<b>YAM3</b>
All Yamaha PWC with 70mm hub for 1.8 Liter engine	<b>YAM4</b>



## WET WOLF FREESTYLE CONE

Freestyle cones are specially designed to maximize low end performance. The small design of the cone also lets the engine rev faster for a more powerful midrange hit. Perfect for Freestyle/Freeride, increases throttle response. CNC machined and Tuff-Coat anodized for superior corrosion resistance.

Yamaha	Part No.
A. Super Jet	<b>FSYAM</b>
Kawasaki	Part No.
B. 800 SXR, 750SX, SXI-Pro	<b>FSKW3</b>
C. Polaris Octane, Yamaha Magnum Pump	<b>FSSKT1</b>



## RIVA PRO-SERIES REDUCTION NOZZLE

Our Pro-Series Reduction Nozzle is ideal for tuning your pump combination to maximize performance. Nozzle exit diameter can be easily changed via interchangeable ring system. Looking for more RPM or acceleration power? Insert a larger diameter ring. Want more top speed? Install a smaller diameter ring. Nozzle includes three precision-machined stainless steel rings (81/82/83mm) in graduated sizes. Additional ring sizes available.

Description	Part No.
RXP 215/RXP-X 255, RXT (05-07), GTX-SC Yamaha FX SHO/FZ	RS23050-N RY23040-N



## ADJUSTABLE EXIT NOZZLE AND NOZZLE RING KITS FOR SEA DOO 650/720/800

Our variety of interchangeable billet machined rings offer to find the maximum performance of the boat. Large ring for bottom-end acceleration and Small ring for top-end. Kit includes 83/85/87mm rings.

Sea Doo	Part No.
Exit Nozzle with Billet Machined Nozzle Rings 83/85/87mm	54-3313



## INTERCHANGEABLE PUMP CONE ROD FOR YAMAHA

Change the diameter of your exit nozzle with one easy turn of a bolt, you can adjust your exit nozzle diameter by interchanging the various rod sizes.

Description	Part No.
Yamaha SJ, Wave Blaster, 701 Raider	54-3351



## R&D FZR PERFORMANCE EXIT NOZZLE

The new R&D cast aluminum exit nozzle is designed to fine tune the pump and prop to maximize performance and rpm. The new R&D exit nozzle is available in 2.5 and 5 degree

up sweep angles. The 5 degree positive angle lightens the nose of the craft and adds top speed; this is great for recreational use. The 2.5 degree delivers improved performance in rough water conditions by producing more nose pressure to drive the hull through the bumps; this design is perfect for closed coarse and offshore competition. Both types are available in bore sizes of 80, 80.5, 81, and 81.5. \*Custom bore sizes from 80 to 90 available at no extra charge, specify size when ordering. The maintenance free R&D cast aluminum and powder coated one piece construction exit nozzle is the better alternative to a removable ring design. With the new R&D nozzle the OEM reliability and safety is retained, because there is not a removable ring sleeve to vibrate loose, falls out and gets wedged in the steering nozzle creating a whole new definition to the term BUCKING.

\*\* Custom bore sizes available at no extra charge, specify size when ordering\*\*

Description	Part No.
R&D FZR Perf. Exit Nozzle 2.5 degree 80mm	162-82800
R&D FZR Perf. Exit Nozzle 2.5 degree 80.5mm	162-82805
R&D FZR Perf. Exit Nozzle 2.5 degree 81mm	162-82810
R&D FZR Perf. Exit Nozzle 2.5 degree 81.5mm	162-82815

Description	Part No.
R&D FZR Perf. Exit Nozzle 5 degree 80mm	162-85800
R&D FZR Perf. Exit Nozzle 5 degree 80.5mm	162-85805
R&D FZR Perf. Exit Nozzle 5 degree 81mm	162-85810
R&D FZR Perf. Exit Nozzle 5 degree 81.5mm	162-85815



## R&D RXP-X/RXT-X 84MM REDUCTION NOZZLE KIT

The R&D RXP-X/RXT-X 84mm Pump Reduction cone will reduce the venturi size from a short O.E.M. 87mm large bore design to a plus .750 over stock venturi length with a final venturi size of 84mm. Increased hook up, stronger acceleration and mid range, improved top speed performance.

Description	Part No.
R&D RXP-X/RXT-X 84mm Reduction Nozzle Kit	173-25584



## GPR PERFORMANCE EXIT NOZZLE

The new R&D GPR 87mm 6 vein 5 degree Exit Nozzle is now available. The water straightening veins inside the nozzle drastically reduce cavitation and increase nozzle head pressure and velocity.

The 5 degree positive angle lightens the nose and adds top speed over any other nozzle. Specifically designed to maximize performance with a 13-19 or 14-20 prop.

Description	Part No.
GP1200R/GP1300R Performance Exit Nozzle	162-13587

FOUR STROKE	INTAKE SYSTEMS	ENGINE/ GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES SERVICE TOOLS	CHEMICAL
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FOUR STROKE  
 INTAKE SYSTEMS  
 ENGINE/GASKETS  
 EXHAUST  
 DRIVE LINE HANDLING  
 ELECTRICAL  
 WATERLINE /BILGE  
 STEERING & CONTROLS  
 BODY  
 ACCESSORIES  
 SERVICE TOOLS /HARDWARE  
 CHEMICAL

**GTX 4-TEC**



**SEA DOO RXT 2.5 DEGREE NOZZLE WEDGE KIT**

The R&D 2.5 degree reduction nozzle wedge kit for the new Sea Doo 4-TEC was designed, developed and tested extensively in all types of flat and rough water conditions to ensure that there would be no handling performance compromises. Most brands of watercraft have some form of V.T.S. (variable trim system) including other model Sea Doo's. Why the

4-TEC doesn't have a trim system is a mystery. Extensive testing has led our development team to wedge the reduction nozzle up 2.5 degrees which will inexpensively give your 4-TEC better handling everywhere and provide a boost of 1 to 2 mph in top speed performance. The billet aluminum CNC machined 2.5 degree reduction nozzle wedge kit was designed to work with the OEM O.P.A.S. system and installs easily in 15 to 20 minutes with R&D's "easy install" directions.

Description	Part No.
02-03 GTX 4-TEC SC / 03-05 GTX 4-TEC NA	143-95002
2.5 Degree Pump Wedge/Cable Extension Kit	
RXP 215	143-95003
2.5 Degree Pump Wedge/Cable Extender Kit	
RXT 215/(04-05) GTX 4-TEC	143-95004
2.5 Degree Pump Wedge/Cable Extender Kit	
RXT-X 255 2.5 Degree Pump Wedge/Adjustable Trim	143-95005
Rod/Cable Extender Kit	
RXP-X 255 1.0 Degree Pump Wedge/Adjustable Trim	143-95006
Rod/Cable Extender Kit	



**RIVA RXP/RXT/GTX-SC BILLET PUMP WEDGE**

2-Degree wedge trims up your pump nozzle raising the bow of your craft for less drag and more control.

Sea Doo	Part No.
RXP RXP-X, RXT, RXT-X, GTX-SC 2-Degree Pump Wedge	RS23050



**RIVA RXP/RXP-X/RXT-X VTS EXTENSION ROD**

RIVA's precision-machined VTS Extension Rod allows maximum "nozzle down" adjustment after installation of RIVA Pump Wedge. Necessary on modified craft to keep bow down during initial acceleration while still providing maximum top speed advantage when trimmed up. Adjustable design comes preset for RIVA 2° Pump Wedge (part# RS23050).

Description	Part No.
RXP/RXP-X/RXT-X VTS Extension Rod	RS23050-1-ER

**R&D ULTRA 250/300 1 DEGREE NOZZLE WEDGE KIT**



The R&D 1 Degree Reduction Nozzle Wedge Kit for the Ultra 250X/LX will add quicker acceleration and top speed performance as well as allow the bow to ride slightly higher which will significantly reduce annoying bow spray promoting a much dryer ride. Extensive

testing has led our development team to wedge the reduction nozzle up 1 full degree which will inexpensively give better handling everywhere and provide a boost of up to 1 mph in top speed performance. The billet aluminum CNC machined 1 degree reduction nozzle wedge kit was specifically designed to work without compromising or removing the O.E.M. reverse gate. The R&D Pump Wedge Kit comes complete with all the necessary hardware and instructions for easy installation.

Description	Part No.
R&D Ultra 250X/LX 1° Nozzle Wedge Kit	141-25001
R&D Ultra 300X/LX 1° Nozzle Wedge Kit	141-30000



JD #36

**ALUMINUM PUMP SHOES FOR YAMAHA SUPERJET**

Aluminum pump shoes are designed to replace the stock plastic unit which is prone to fail with a winged intake grate. These aluminum pump shoes have a completely redesigned front entrance compared to the OEM plastic pump shoe allowing water to feed into the pump more efficiently. Improves hookup, cornering, stability, rough water speed and overall handling.

Description	Part No.
Jet Dynamics Yamaha 144mm Pump Shoe	JD #36
Jet Dynamics Yamaha 155mm Pump Shoe	JD#155



Ultra 150 (#51)

**JET DYNAMICS SHAFT SHIELDING TOP LOADER (SST)**

Description	Jet Dynamics	Part No.
Kawasaki Ultra 150	Standard (#51)	54-6500
Yamaha Deep Grate	#60SST	JP#60SST
Kawasaki 800 SXR	#53	JP#53

## WORX RACING INTAKE GRATES



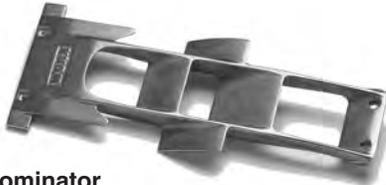
**WR223**  
Sea Doo RXP 04-06

Sea Doo	Part No.
GTX 4-Tec, GTX LTD (2002+)	WR221
Wake 215 (2007+)	
RXP (2004+)	WR223
RXP-X, RXT-X (08-09)	WR229
RXT is 225 & GTX Lts iS (2009), GTX 155, RXT 215, WakePro 215, GTX 215 iS, RXT260 iS, GTX Ltd 260 iS, RXT-X 260 RS (2010)	WR235



**WR201**  
Yamaha 701

Yamaha	Part No.
701 Super Jet (Pre 08), W/Blaster I/I	WR201
701 Super Jet (Pre 08) Pro Series (less aggressive than W201)	WR205
701 Super Jet (Pre 08) Dominator Stuffer	WR205D
701 Super Jet (2008+)	WR228



**WR225**  
Kawasaki  
800 SXR Dominator

Kawasaki	Part No.
1200 STXR 00-04, STX12F 03, STX15F 04	WR219
800 SXR	WR222
800 SXR Dominator	WR225
Ultra 250X/LX, 260X/LX	WR227

Polaris	Part No.
All (Except Hurricane/Genesis)	WR210



**FX-SHO - RY25040**



**FZR/FZS - RY25050**

## RIVA PUMP SEAL KITS

Dramatically reduce cavitation and prop spin with our easy to install Pump Seal Kits. Location specific, molded inserts fill the voids in OEM pump inlet shoe that bleed air into pump causing cavitation. Recommended for modified craft using aftermarket intake grates. Includes detailed installation instructions.

Description	Part No.
RIVA Yamaha FX-SHO Pump Seal Kit	RY25040
RIVA Yamaha FZR/FZS Pump Seal Kit	RY25050



**RS22050**



**RS22055**



**RS22080**

## RIVA TOP LOADER INTAKE GRATE

RIVA's top-loader intake grates for the RXP and GTX 4-TEC SC feature a unique tapered wing design that eliminates prop spin and cavitation while delivering enhanced acceleration and top-speed. Deep side rails improve stability and handling. Durable black race coating protects from corrosion. Race Legal.

Description	Part No.
RIVA RXP 215 (04-08)	RS22050
RIVA RXT 215 (05-08)/GTX-SC (03-04)	RS22055
RIVA RXP-X 255/RXT-X 255HP	RS22080

Yamaha	Part No.
RIVA FX140, FXHO	RY22325
RIVA FX SHO, FX SHO Cruiser	RY22040
RIVA FZR/FZS	RY22050-1
RIVA VXR/VXS/VX	RY21030

Kawasaki	Part No.
RIVA Ultra 250/260X, 250/260LX	RK22090
RIVA Ultra 300 Turnable Top Loader	RK22100



**162-00000**

## R&D PUMP PLUG KIT

Pump stuffer kit stuffs up all those unwanted cavities in the pump shoe that aid in producing cavitation. Reducing cavitation equals greater performance.

Yamaha	Part No.
GP1200R, GP800R, GP1300R	162-00000
XL1200LTD, XLT800/1200	162-00001
FX140, FX140 H.O. (160 HP)	162-00002
VX110 for Stock Intake Grate Applications	162-00110
VX110 for R&D Intake Grate Applications	162-00111
FX SHO Pump Shoe Seal Kit (OEM Scoop Grate)	162-00003
FX SHO Pump Shoe Seal Kit (RIVA Scoop Grate)	162-00004
FX SHO Pump Shoe Seal Kit (R&D Scoop Grate)	162-00005
FZR/FZS Pump Shoe Seal Kit (OEM Scoop Grate)	162-00006
FZR/FZS Pump Shoe Seal Kit (R&D Scoop Grate)	162-00007
VXR Pump Seal kit For Stock Scoop Grate	162-00008
VXR Pump Seal Kit for R&D Aquavein Intake Grate	162-00009

Kawasaki	Part No.
R&D 750/800 Stand-Up	161-80000
R&D Ultra 250/260 Pump Shoe Seal Kit	161-25000
R&D Ultra 300X Seal Kit for OEM Intake Grate	161-30000
R&D Ultra 300X Seal Kit for R&D Aquavein Intake Grate	161-30001

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS  
HARDWARE  
CHEMICAL

# R&D

## AQUAVEIN

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL

Sea Doo	Part No.
ALL Sp/SPX/SPI/GT/91-96 XP/94 XPI/ 92-95 GTX/92-00 GTS/96 GTI	113-00000
HX 95-97 Pro 2	113-72710
96-97 GSX/96-97 GTX/97 GSI/97-01 GS/ 97-01 GS/97-00 GTI/98-02 GTX RFI/99-00 GSX RFI	113-80400
97-99 GSX LTD/98-99 GTX LTD/ 00-02 GTX/00-01 GTX DI/00-01 LRV/02 LRV DI XP97	113-80401
98-99 XP LTD/00-02 XP/00-02 RX/ 00-03 RX DI/RXX/03+ XP DI	113-00001
*for use with R&D Ride Plate pt# 123-80620 (Aquavein has extended tabs that lock into the R&D Ride Plate to remove stress from stock inserts).	113-00002



112-70106

### Super Jet Limited Race

Increased pickup area of the lowered rear chip. The lowered chip area also produces down force to the nose of the craft to reduce porpoising. The R&D Stuffer #112-70203 is also compatible with this design to add 1 1/2 to 2 mph additional speed.

Yamaha	Part No.
Super Jet (96-07)	112-70102
Super Jet (96-07) Double Deep PRO 2	112-70105
Super Jet (96-07) Limited Race	112-70106
Super Jet (2008)	112-70108
GP1200R/GP1300R (single bar)	112-12100
701 & 760 WaveRds/Rds Deluxe 701/Venture 95-96	112-70300
1100 WaveRdr/Venture, 97 760 Wave Venture, 98 Venture 701	112-11300



111-80001

### Kawasaki 800SXR STEALTH

The new R&D SXR 800 Stealth Aquavein delivers the ultimate in performance with maximum hookup, unmatched high speed stability, increased cornering (lean in angle) capabilities, and improved off-throttle braking performance.

Kawasaki	Part No.
440/550 all years	111-55100
650 SX/X2	111-65100
750 SX/SXI	111-75101
750 SXI Pro 98-02	111-75102
750/900/1100ZXI (99 only STX/pre 00-1100 STX)	111-75500
Ultra 150 All	111-15000
1200 STXR /15F Pro 2	111-12100
*for use with R&D Ride Plate #121-12001	
15F/12F/STXR/STXR DI	111-15001
*for use with stock or R&D Ride Plate pt#121-15100	
800 SXR STEALTH series	111-80001
Ultra 250X/LX (07-08), 260X/LX (09-10)	111-25000
Ultra 300X (11-12)	111-30000

113-95001  
113-95002  
RXP



### Sea Doo RXP 215

Blow through low and high-speed turns with confidence and chew up rough water conditions with new found top speed averages. Quicker acceleration and straightline stability are also increased.

Sea Doo	Part No.
98-99 XP LTD/00-02 XP/00-02 RX/00-03 RX DI/ RXX/03+ XP DI *for use with stock ride plate.	113-00003
01 GTS/01-05 GTI/02-05 GTI LE/ 04 GTI LE RFI/04-05GTI RFI/04-05 3D *for use with stock ride plate.	113-00003
02-05 GTX 4-TEC ALL MODELS	113-95000
02-03 GTX/951 DI, RXT	
RXP 215	113-95001
RXP 215 PRO 2 AQUAVEIN & GIRDLE KIT	113-95002
RXP 215 GIRDLE KIT Only	123-10010
RXP-X 255, RXT-X 255	113-95004
GTI 06-07	113-95003
RXP-X/RXT-X Pro 2 Deep Race, Closed Course	113-95007
GTXis, GTX Limited 260 (09-11), RXT iS 260, RXT-X 260 (10-11), RXT aS 260	113-95006
RXP-X 260 (2012) (T3)	113-95008

### FZR 112-18001



Yamaha	Part No.
GP1200 97-99, XL 700/760, XL 1200 98	112-12000
GP760/800 98-00	112-70301
XL1200 LTD/XL 800/SUV/XLT 800 & 1200	112-12001
GP1200R/GP 1300R all	112-12002
GP800R All	112-00800
FX140/FX H.O.	112-14000
VX110	112-00110
FX SHO, FX SHO CRUISER	112-18000
FZR, FZS	112-18001
VXR/VXS	112-18020

*Aquavein will significantly reduce cavitation, increase acceleration, add up to 1 mph on top end performance and keep the H/O pump loaded and hooked up!*

115-12003



112-14000  
FX140



### Honda

Aquavein Scoop Grate will reduce cavitation while increasing overall handling, straight-line stability and top speed performance. The R&D Aquavein will add 3 to 4 mph top speed average in choppy water conditions over the O.E.M. grate.

Honda	Part No.
F12X 1200 T3	115-12003

Polaris	Part No.
All (Except 750/Hurricane)	114-65100
SL/SLT 50/Hurricane	114-75100



122-18000



122-13000

### YAMAHA GP1300R RIDE PLATE

The plate mounting surface has been raised and re-angled, producing quicker and more stable planing from 0-30 mph and smoother cruising at 50-60 mph. There is also more positive straight line stability and better high speed cornering.

\* Requires a slight and simple modification to the reduction nozzle.



122-18001

### YAMAHA FZR PRO SERIES RIDE PLATE

Yamaha	Part No.
Super Jet 90-95	122-70100
Super Jet 96-07	122-70101
Super Jet 96-07 Ruis Ride Plate	122-70102
Superjet 08-10	122-70108
GP 760/800/1200	122-12000
GP1200R/800R speed plate	122-12001
XLL 1200, XLT1200, XL800	122-12004
GP1300R speed plate	122-13000
GPR 1200R/GPR1300R	122-13001
Ride Plate Trim Tab	
FX 140 02-04	122-14000
05+ FX, FX140/ FXHO	122-16000
FX SHO/SHO Cruiser	122-18000
FZR/FZS	122-18001
VXR/VXS	122-18004



122-13001

### YAMAHA GP1200R/ GP1300R/GP800R RIDE PLATE TRIM PADS

The Ride Plate Trim Pad design will promote smoother and quicker planing under aggressive 0-30 mph acceleration, produce an overall more stable ride, and has proven to have better top speed averages!



123-80620



123-80621

Sea Doo	Part No.
XP 800 97, XP-LTD 98+, RX, RXX	123-80620
3D Ride Plate	123-80621
580/650 X-Tender (except 3 seater)	123-00000



121-80001

### KAWASAKI 800SXR PRO SERIES RIDE PLATE

This Ride Plate has a lower planing surface and an improved rear contour shape, reduced porpoising, increased high speed stability, improved traction and cornering. It also integrates with aftermarket pumps and drop nozzle systems.



121-15100  
121-15011



### KAWASAKI F15/F12 SPEED PLATE / OPTIONAL REVERSE GATE BRACKET

This Ride Plate improves handling and adds up to 3 mph on top end speed. Optional reverse gate hardware kit available.

Kawasaki	Part No.
750 SX/SXI 92-97 Pro Series Plate	121-75101
750/900/1100ZXI Pro Series Plate	121-75500
750SXI Pro 98-02 Pro Series Plate	121-75102
800 SXR 03-07 LTD Series Plate	121-80000
800SXR Pro Series Superstock Plate	121-80001
1200 STXR/1100	121-12000
STX DI/1200 STXF (for use with stock grate)	
1200 STXR/1100 STX DI/	121-12001
1200 STXF (for use with R&D Aquavein #111-12100	
F15/F12 Speed Plate (optional reverse gate bracket available)	121-15100
F15/F12 Reverse Gate Bracket Kit (for use with part #121-15100)	121-15011
Ultra 150, X-Tender Plate	121-15000
Ultra 250X Offshore Ride Plate	121-25000
Ultra 300X	121-30000

Polaris	Part No.
650/700/750/780SL	124-00100

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
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SERVICE TOOLS /HARDWARE  
CHEMICAL

FOUR STROKE  
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EXHAUST  
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STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL



RY21050 Top



RY21050 Bottom

## RIVA PERFORMANCE RIDE PLATE

Sea Doo	Part No.
RIVA SD 215/155 4-Tec Ride Plate (04-10) (non iControl)	RS21050
RIVA SD 255 4-Tec Ride Plate (08-11) (non iControl)	RS21080
RIVA SD RXP-X 260 (T3 Hull) (2012)*	RS21110
RIVA 4-Tec Open Loop Cooling Kit	RS1013-50

\* See page 25 for more information



RY21040



RY21011

Yamaha	Part No.
RIVA FX-SHO Performance Ride Plate	RY21040
RIVA FZR/FZS Performance Ride Plate	RY21050
RIVA VXR/VXS Performance Ride Plate	RY21060
RIVA SuperJet (08-12) Pro Series Ride Plate	RY21011

\*\* See page 59 for more information



RY21090



RY21100

Kawasaki	Part No.
RIVA Ultra 250/260X Performance Ride Plate	RK21090
RIVA Ultra 300X Performance Ride Plate	RK21100

\*\*\* See page 79 for more information



54-7462 Yamaha Superjet

**Jet Dynamics**

## JET DYNAMICS CONCAVE RIDE PLATES

U.S. PATENT NO. 335.484

Yamaha	Jet Dynamics	Part No.
701 Super Jet Extra Long	(#DD-RP)	54-7462

Kawasaki	Part No.
750 SXI Pro/800SXR Extra Long (#TT-RP)	54-7474

**WORX**  
RACING COMPONENTS



WR308 SJ

Yamaha	Length	Part No.
Super Jet Dominator, Long	18 1/2"	WR305
Super Jet Free Style, Short	16 1/2"	WR308
Super Jet (08-09)	16"	WR312

Kawasaki	Part No.
800SXR 03-07 - Double Concave Design	WR311

**BLOWSION**



## BLOWSION CARBON RIDE PLATE KENNEY LIP RIPPER

Designed with feedback exclusively from Joe, Taylor Curtis and Clay Cullen this is quite simply the coolest ride plate for surf shredding available.

Unique reverse "D" cutout generates wave carving turns to die for.

Yamaha	Part No.
SuperJet 96-07	02-01-245
Kawasaki 800 SXR	02-01-209

## RIDE PLATE - CARBON 2008+ SJ "MIDI"

Tested and updated for the unique 2008 SJ's. This dual channel recessed bottom design race plate is set up in mid length for all around recreational and freestyle riding with the 2008 Super Jet.



Description	Part No.
Ride Plate - Carbon 2008+ SJ "Midi"	02-01-243



## REPLACEMENT HULL INSERTS

Replacement for damaged or missing hull inserts that hold ride plates and intake grates in place.

Description	Part No.
Repair Kit (4 inserts per kit)	54-7900

# BLOWSION

A.



B.



## BLOWSION TUBBIE SPONSONS

This Race Model Tubbie Two (Part # AWC0213) grips better in turning and is more stable in straight line high speed riding. The Rec/Freeride model (Part #AWC0212) is very stable, but has some nose wandering at mid throttle due to the curved chine riding back and forth on the bow wave. This is very beneficial in freeriding as the ski is able to be more forgiving and reacts better to a variety of directions and water flow angles.

Description	Part No.
A. Tubbie 1 – Rec-Surf-Freeride-Freestyle	02-01-002
B. Tubbie 2 – Race/Rec Model Only, All models	02-01-003
Tubbie 3 -Race (08-09 Superjet)	02-01-004



02-01-015

BLOWSION



02-01-012

## BLOWSION TUBBIE DESTROYER SPONSONS

New removable Tubbie Destroyer front sponsors from Blowision. They are composite front and back (not foam backed) and built specifically shaped to each model of standup we offer them for. They are a 3 bolt ten minute a side install. No more time-consuming installs permanent screws and glue like the Tubbie I, II, and III. Patent Pending

Destroyer Front Sponsors	Color	Part No.
Kawasaki SX-R	White	02-01-010
Kawasaki SX-R	Black	02-01-015
2008+ Yamaha Superjet	White	02-01-012
2008+ Yamaha Superjet	Black	02-01-016
1996-07 Yamaha Superjet	White	02-01-013
1996-07 Yamaha Superjet	Black	02-01-017

# WORX

## RACING COMPONENTS



## WORX SPONSONS

Fitting WORX sponsors to your PWC is like fitting extra wide tires to your road car. Unbelievable cornering, better control in the rough and predictable inline tracking while towing wakeboards or waterskiers. WORX sponsors are easy to fit, look great and bolt right into stock mounting holes.

Sea Doo	Part No.
GTX 4Tec (02-04), GTX S/C (03-04), RXP (04)	WR526
GTI (06+), GTX (05+), RXP (05+), RXT (05+)	WR534
RXP-X (08+), RXT-X (08+)	WR540
RXT iS 255 & GTX Ltd iS 255 (09), GTX 155	WR545
RXT 215, WakePro 215, GTX 215 iS, RXT 260 iS, RXT-X 260 RS (2010)	

Kawasaki	Part No.
750/900 STX 99, 1100 STX (98-99)	WR513
800SXR	WR 528

Yamaha	Part No.
GP760/800/1200	WR511
GP800R/GP1200R (00-05), GP1300R (03-04)	WR522
GP1300R (05+)	WR533
FX-SHO	WR542
FX FZR/FZS	WR543



ALBERTO MONTI, ITALY

## WAVE S.R.L. FRONT SPONSONS

New full material molding - compressed polyurethane. These front sponsors allow for faster turns, no submarining in turns, better

and easier control in race conditions. Used by some of the top Pro Racers on Kawasaki SXR's and Hydrospace S4's: Alberto Monti (2008 Pro Ski Open World Champion), Renaud Urbain, Alessia Ida, Macc, Goodchild, Bossche and many other Pro Racers. These sponsors will change and improve the handling of the SX-R and Hydrospace dramatically! Made in Italy.

Kawasaki	Part No.
Wave S.R.L. Front Sponsors	FFS101

FOUR STROKE

INTAKE SYSTEMS

ENGINE/GASKETS

EXHAUST

DRIVE LINE HANDLING

ELECTRICAL

WATERLINE /BILGE

STEERING & CONTROLS

BODY

ACCESSORIES /SERVICE TOOLS

HARDWARE

CHEMICAL



## R&D G-FORCE SPONSONS

R&D designed and tested to deliver superior cornering, unmatched speed, and improved straight line stability. R&D Pro Series Sponson Kits main feature includes an ultra strong cast aluminum CNC machined backing plate, which is far superior over plastic backing plates with furniture inserts for threads! The R&D Pro Series Sponson Kits offer a adjustability, smoother more predictable ride with much better low and high speed turning capabilities!



<b>Yamaha</b>	<b>Part No.</b>
GP1200R, GP800R	122-12100



<b>Yamaha</b>	<b>Part No.</b>
FX SHO, FX SHO Cruiser	122-01800
FX FZR, FZS	122-01801
VXR/VXS	122-01820

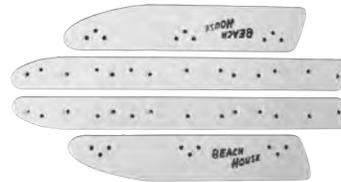


2-position back plate (forward or backward) and 3-position (depth) sponson blade adjustability.

<b>Sea Doo</b>	<b>Part No.</b>
RXP/GTX-4TEC 03-04	123-95100
05 GTX, GTI/RXT/RXP 06	123-95101
RXP-X, RXT-X, GTI 06	



<b>Kawasaki</b>	<b>Part No.</b>
Ultra 250/260/300X/LX	121-25001



BH306-W



<b>Sea Doo</b>	<b>Color</b>	<b>Part No.</b>
GT/GTI 92-96, GTS 94-00, GTX 94-95	White	BH102-W
RX, RX DI, RXX	Black	BH106-B
<b>Yamaha</b>	<b>Color</b>	<b>Part No.</b>
XLT1200L 01-early 02, XL/XLT 800 01-early 02	Black	BH205-B
<b>Kawasaki</b>	<b>Color</b>	<b>Part No.</b>
STX750 97-98, XI 95-99, XIR 94-95, STS 96-97	White	BH301-W
STX-R 02-05	White	BH306-W
<b>Tigershark</b>	<b>Color</b>	<b>Part No.</b>
TS770R 99, TS100R 99	White	BH502-W



\* Sold Each. Thickness 1.5 mm

## BEACH HOUSE LARGE WASHER

Developed to assist in preventing cracking or sponson failure by distributing the extreme pressure to a larger surface area developed when cornering. The washers are compatible with all model sponsons made by Beachhouse and the other manufacturers.

<b>Description</b>	<b>Part No.</b>
Stainless Steel Large Washer (Sold individually)	NO1



Drilling Required



## STIX BEACH HOUSE SPONSONS

Designed by racers and made for racing. Installation does not use the OEM mounting holes if applicable and requires drilling of new mounting holes.

<b>Yamaha</b>	<b>Part No.</b>
GP760/800/1200 97-00	SX202-W (White)
Pro Slalom Series With Short Face Plates*	SX202-B (Black)
These sponsons perform the best in smooth water conditions	

# RIVA RACING SPONSONS



**Yamaha** Part No. RY2620-1  
RIVA GP800R/GP1200R/GP1300R



**Kawasaki** Part No. RK26090  
RIVA Ultra 250/260/300X/LX Pro Series



## RIVA YAMAHA FX-SHO, FZR/FZS/VX SPONSON KIT

Unique blade design provides a significant improvement to the handling characteristics.

Reduces rough water hunting and rolling sometimes experienced with stock sponsons. Sponson depth is adjustable to control the amount of influence they have on craft. Easily installs to stock mounting points with our bulletproof mounting system that features billet inserts in sponson fins. Fits all Yamaha FX-SHO, FZR, FZS & VX models.

**Description** Part No. RY2625  
RIVA Yamaha FX-SHO/FZR/FZS/VX Sponsons Kit



## O.P.A.S. PERFORMANCE BLOCK-OFF KIT

Improves handling characteristics for competition use. Necessary to accommodate RIVA Rear Exhaust Kit (RS15050-1). Also designed to cleanly and easily cover the openings left when O.P.A.S. is removed preventing water from entering the hull. Made from billet aluminum utilizing o-ring seals. Anodized to prevent corrosion.

**Description** Part No. RS29050-1  
RIVA SD RXP/RXT/GTX (03 and newer) models



**Sea Doo** Part No. RS26050  
RIVA Pro-Series Sponson Kit RXP, RXP-X, RXT, RXT-X, GTX (08-11)  
Part No. RS26110  
RIVA Pro-Series Sponson Kit RXP-X 260 (T3) (2012), RXT-X 260/RXT-X aS 260 (S3) (2012)



## RXP PRO-SERIES OPAS BLOCK-OFF KIT

Optimizes RXP's handling characteristics. Extensions fill voids dramatically improving handling and reducing porpoising. For competition use only.

**Sea Doo** Part No. RS29950  
RIVA RXP/RXP-X/GTX (03)  
Part No. RS29985  
RIVA RXT/RXT-X

## REPLACEMENT STAINLESS STEEL HARDWARE FOR SPONSONS (SOLD PER PIECE)



Pan Phillips Screws	Part No.
1/4"-20x7/8" Pan Phillips	BT7/8"X1
1/4"-20x1" Pan Phillips	BT1"X1/4
1/4"-20x1/4" Pan Phillips	BT1/4"PN
1/4"-20x1-1/2" Pan Phillips	BT1/2"PN
1/4"-20x2" Pan Phillips	BT2"X1/4
1/4"-20X1-1/2" Flat Phillips	BT1/2"FT



Flat Washers	Part No.
1/4" Flat Washer	WA1/4"
5/16" Flat Washer	WA5/16"
1" Flat Washer	WA1"
1/4" x20x1-1/2" Flat Washer	WA1-1/2"



Phillips Metric Screws	Part No.
6mmX25mm Phillips Metric	BT6MX25M
6mmX30mm Phillips Metric	BT6MX30M
8mmX30mm Phillips Metric	BT8MX30M



Lock & Hex Nuts	Part No.
6mmX1.0mm Lock Nut	NT6M-1.0M
8mmX1.25mm Lock Nut	NT8M-1.25M
6mm Hex Nut	NT6MHEX
8mm Hex Nut	NT8MHEX
1/4"-20 Lock Nut	NT1/4"-20

\*\*\*All hardware is sold per piece.

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS  
HARDWARE  
CHEMICAL

# SHAFT HOUSING PARTS FOR KAWASAKI

## SHAFT HOUSING BEARINGS AND SEALS FOR KAWASAKI



All 440 & 550 (-90)

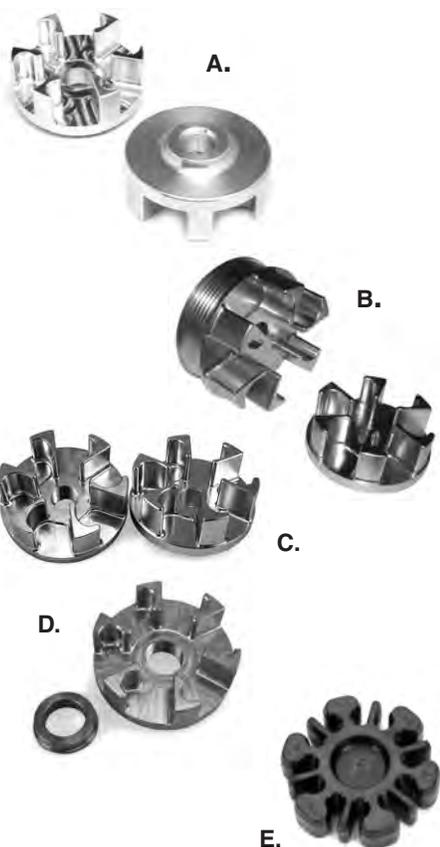


550SX, 650SX, 750SX, 900ZXI, 1100ZXI

Kawasaki	Description	Part No.
440/550-90	Driveshaft Seal & Bearings Repair Kit	<b>54-3003</b>
440/550-90	Driveshaft Seal Only (4 Seals per Kit)	<b>54-3203</b>
440/550-90	Driveshaft Bearings Only	<b>54-3103*</b>

Kawasaki	Description	Part No.
550SX 91-95	Driveshaft Seal & Bearings	<b>54-3027</b>
650/750/900/1100 All	Repair Kit	

\*Sold Individually



### BILLET DRIVE COUPLER SET

Kawasaki	Part No.
A. 750SS 94-97, XI 93-97, ZXI 95-97, SXI 95-97, 800SXR	<b>KA800DCS</b>
B. Ultra 250/260X	<b>31-700590</b>
C. STXR/Ultra 150/STX/12F/15F	<b>31-700490</b>
D. ADA 1100 SXR Drive Coupler Conversion	<b>31-700390</b>
E. WSM Rubber Coupler Damper	<b>003-201</b>

Kawasaki 440/550/650/750/800/900



003-405-01



003-405

### DRIVE SHAFT BEARING HOUSING

Kawasaki	Description	OEM#	Part No.
Driveshaft Bearing Housing only for 550SX 91-95, 650/750/900/1100/All		13280-3730	<b>003-405</b>
Complete Assembly with Bearing for 550SX 91-95, 650/750/900/1100/All			<b>003-405-01</b>



003-161-01

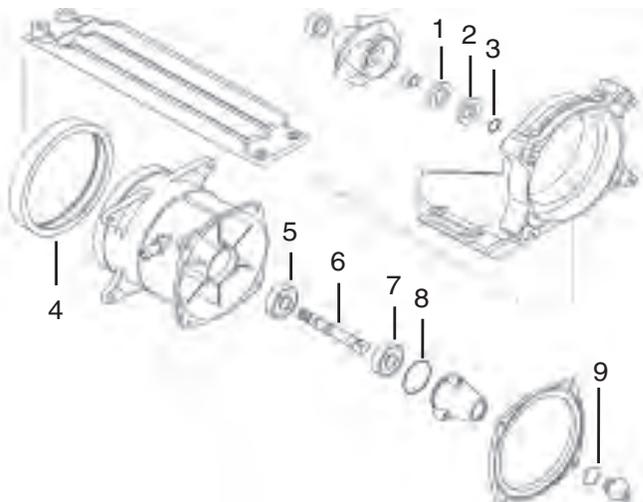
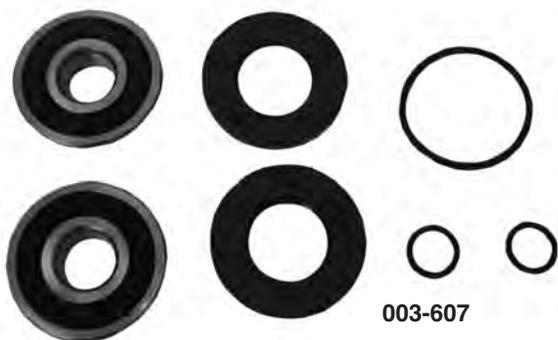


003-161-02

### WSM OEM REPLACEMENT DRIVE SHAFTS FOR KAWASAKI PWC

Kawasaki	Year	OEM#	Part No.
750 SS	94-97	39159-3717	<b>003-161-01</b>
750 STX	98	39159-3717	<b>003-161-01</b>
750 ST	94-95	39159-3717	<b>003-161-01</b>
750 STS	95-97	39159-3717	<b>003-161-01</b>
750 XI Sport	98-99	39159-3717	<b>003-161-01</b>
750 SX	92-95	35159-3714	<b>003-161</b>
750 SXI	95	35159-3714	<b>003-161</b>
900 STS	00-01	39159-3732	<b>003-161-02</b>
900 STX	02-06	39159-3732	<b>003-161-02</b>
1100 STX DI	00-03	39159-3732	<b>003-161-02</b>
1200 STXR	02-05	39159-3732	<b>003-161-02</b>
1100 ZXI	96-03	39159-3724	<b>003-161-04</b>
		39159-3740	

# KAWASAKI JET PUMP REPAIR/REPLACEMENT PARTS



## WSM KAWASAKI JET PUMP REPAIR KITS

Most Kits Include: Oil Seals • O-Rings • Bearings

Kawasaki	Part No.
650 All, 750 All, 800 All	003-607
750 ZXI (95-97), 900 STS (01-02)	003-608
900 STX (92-00), 900 ZXI (95-97)	
900 STX (01-03), 1100 STX (97-99), 1100 STX DI (00-03), 1100 ZXI (96-03)	003-609
1200 STX-R (02-04), STX-12F (03-04), STX 15F (04)	
Ultra 130 (01-04), Ultra 150 (99-02)	003-606
Ultra 150 (03-05)	003-613
1200 STX-R (05), STX 12F (05-08), STX 15F (05-08)	003-614



003-107



003-109

## WSM KAWASAKI REPLACEMENT PUMPSHAFT

Kawasaki	OEM No.	Part No.
650/750 (Except ZXI), 800 SXR	13107-3721	003-107
750/900/1100 ZXI	13107-3737	003-109
12F/15F/900STX/STXR/1200 STXD1		
Ultra 130 (01-04)	13107-373	003-114
Ultra 150 (99-05)		



## WSM SEA DOO PUMP HOUSING BEARINGS AND SEALS



SEA DOO THRUST BEARINGS



Sea Doo	Description	OEM No.	Part No.
580/650/720/800	Pump Seal	293-200-025	009-730
580/650/720/800	Pump Shaft Needle Bearings	293-350-001	54-3130
580/650/951 (1997)	Thrust Bearings	293-350-002	010-228-01
720/800/951 (98-01)	Thrust Bearings	293-350-019	010-228-02
951 Late	Thrust Bearings	213-350-022	010-228-03
580/650	Pump Seal & Bearings Repair Kit		003-640
720/800	Pump Seal & Bearings Repair Kit		003-641
580/650/720/800	Pump O-Ring	293-300-011	008-641
		293-300-013	008-642

FOUR STROKE	INTAKE SYSTEMS	ENGINE/GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES	SERVICE TOOLS /HARDWARE	CHEMICAL
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# DRIVELINE PARTS FOR SEA DOO

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL



003-115



003-116



003-115-1



003-116-1



## SEAL CARRIER, OIL SEAL & BEARING FOR THE SEA DOO 580/650/720/800

Sea Doo	Part No.
Seal Carrier Bearing	54-3135
Seal Carrier Oil Seal	009-730-01

Sea Doo	OEM Number	Housing Only	Complete Assembly
GSX (98), GT (90-91), GTS/GTX (92-95), SP (90-95), SPi (93-95), XP (92-94), XPi (94), XP800 (95)	272-000-024	003-155	003-115-1
HX (95-97), XP (97), XP Ltd (98), XP (02), XP Di (03-04), 3D RFi (05), 3D 947, Di (06)	272-000-012-400	003-116	003-116-1



## SEA DOO SEAL CARRIER REPAIR KIT

Sea Doo	Part No.
HX (95-97), XP (97+)	003-120



## DRIVE SHAFT BUMPERS

Sea Doo	Part No.
560/650/720 All (sold in pairs) OEM#292-000-019	003-350



011-111      011-112

## THRU HULL REPAIR FITTING FOR SEA DOO IMPELLER SHAFT

Sea Doo	Part No.
All Models OEM Standard Size OEM# 292-000-075	011-111
All Models Oversize	011-112



## SEA DOO COUPLER RETAINER

Hot Products precision machined thermal fit coupler retainer, holds coupler in casing and prevents shaft damage.

Sea Doo	Coupler	Part No.
HX 96+	Front	54-1152
XP 97	Front/Rear	54-1152



003-118

003-118-01

003-118-02

## SUPPORT RING

Sea Doo	OEM#	Part No.
HX 95-97, XP 97-Up	272-000-064	003-118
GTI 06, GTX 4 TEC 02-07, RXT 05	272-000-176	003-118-01
GTX 06-07, RXP 04-07	271-001-434	003-118-02



## CARBONE RING

Sea Doo	Part No.
720HX 95, All Models 96-97 OEM#272-000-042	003-110



003-125-02

003-129

## SEA DOO PTO ENDS

Sea Doo	Part No.
Lightweight 580/650/720 951	003-125-02
	003-129



## PTO BOOT

Sea Doo	Part No.
All Models OEM#272-000-001	003-100



## DRIVE SHAFT BOOT

Sea Doo	Part No.
720HX 95, All Models 96-97 OEM#272-000-041	003-105
580/650 All to 95	003-102
GTX 4-Tec, RXT	003-104
OEM# 272-000-183	
GTI/GTX 02-05, RX 02-03, 3D RFI 05-06	003-104-01
OEM# 272-000-184	

# DRIVELINE PUMP PARTS FOR SEA DOO



003-152



003-154



003-159



003-163



003-168



## REPLACEMENT DRIVE SHAFTS FOR SEA DOO

Sea Doo	Year	OEM#	Part No.
580 GTS, SP, SPI, 720 GTI, GTS	96	272-000-073	003-154
720 SP	97	272-000-073	003-154
720 SPX	96	272-000-073	003-154
800 GSX	96-97	272-000-096	003-152
800 GSX (RFI)	99-01	272-000-096	003-152
800 SPX	97	272-000-096	003-152
800 XP	96	272-000-096	003-152
800 XP	97	272-000-009	003-163
951 GTX LTD	98-99	272-000-160	003-168
951 GTX, GTX DI, LRV	00-01	272-000-160	003-168
951 RX, RX DI	00-01	272-000-151	003-159



003-500

003-503

## REPLACEMENT PUMP WEAR RINGS

Sea Doo	Part No.
580/650/720/800 Wear Ring OEM# 271-000-291	003-500
951 98+ OEM# 271-000-653	003-503
4-Tec/4-Tec SC OEM#267-000-104 (155 mm)	003-502
RXP/RXT OEM#267-000-105 (159 mm)	003-499



## RIVA RXP/RXT SS REPLACEMENT WEAR RING

Replaces original plastic unit with easy press in installation. Durable stainless steel resists debris damage and saltwater corrosion.

Sea Doo	Part No.
159mm SRX Series	RS33-159-SRX
155mm SR Series	RS33-155-SR

Sea Doo PWC Application Chart:

- 155mm liner fits 185/155/135hp 4-Stroke units
- 159mm liner fits 255/215hp 4-Stroke units



## PUMP WEAR RING WITH STAINLESS SLEEVE

Sea Doo	Part No.
2-Stroke before '98	003-500S
Sea Doo 580/650/720/800	
4-Tec/SC (155 mm)	003-502S
RXP/RXT (159 mm)	003-499S



54-3140

## REPLACEMENT PUMPSHAFT

Sea Doo	OEM Part No.	Part No.
580/650/720/800	271-000-291	54-3140
951 97-98	271-000-886	003-108
951 99-01*	271-000-965	003-111

\*033-111 Length=5 3/4" Thread O.D.=11/16"  
Uses Larger I.D. Thrust Washer  
(010-228-03)



## IMPELLER SHAFT THRUST WASHER

Sea Doo	Part No.
580/650/720 All OEM#293-350-003	003-099

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL



003-400

### WSM YAMAHA REPLACEMENT BEARING HOUSING

O.E.M. # 61X-45332-00-9M Part No. 003-400

Yamaha	Year	Yamaha	Year
701 FX1	94-95	800 GP	01
701 Raider	94	800 XL	00-01
701 VXR	93-94	1100 Raider	95-96
701 Wave Blaster	93-94	1100 Wave Venture	96-97
701 Wave Runner III	94	1200 GP	97,01
701 Raider	95-97	1200 XL	99-01
701 SJ	95-01	701 Wave Venture	98
701 Wave Blaster	95-96	701 XL	99-01
701 Wave Runner III	95,97	760 GP	99-00
701 Wave Venture	95-96	760 XL	98-99
760 Raider	96	800 GP	98-00
760 Wave Blaster	96-97	1200 GP	98-99
760 Wave Runner GP	97-98	1200 XL	98
760 Wave Venture	97		



003-403

### WSM YAMAHA REPLACEMENT BEARING HOUSING

O.E.M. # 65A-G5331-00-00 Part No. 003-403

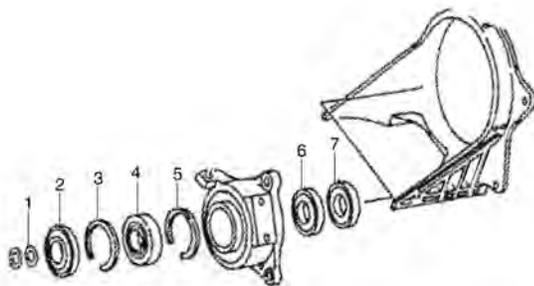
Yamaha	Year	Yamaha	Year
XL 700	99-04	GP 800	00
Wave Venture 700	98	Wave Venture 1100	97
GP 760	00	GP 1120	97-99
Wave Venture 760	97	XL 1200	98
XL 760	98-99		



### WSM YAMAHA COMPLETE BEARING HOUSING KIT

Comes completely assembled with bearing and seals installed.

Description	Part No.
Fits same applications as 003-400 above	003-400-01



### WSM YAMAHA BEARINGS HOUSING REPAIR KIT

Description	Part No.
Repair Kit for WSM 003-400-01, WSM 003-402-01 and OEM Housing	003-622

### WSM YAMAHA BEARINGS HOUSING INDIVIDUAL PARTS

Description	OEM#	Ref. No.	Required	Part No.
O-Ring	93210-17MA4-00	1	1	008-559
Oil Seal	93101-25M55-00	2	1	009-709
Clip	93430-47M04-00	3	1	003-095
Bearing	93306-205U6-00	4	1	010-242
Clip	93430-47M04-00	5	1	003-095
Oil Seal	93101-25M55-00	6	1	009-709
Oil Seal	93101-25M56-00	7	1	009-710



### JET PUMP HOUSING WITH REPLACEMENT WEAR RING FOR YAMAHA

Yamaha	Part No.
650 Super Jet 90-93	003-507
650 VXR 91-95	003-507
701 Super Jet 95-01	003-507
701 Wave Blaster 93-96	003-507
650 Wave Runner 92-93, 96	003-506
701 Wave Runner III GP 94-95	003-506
701 Wave Raider 94-97	003-506
701 Wave Raider DX 95	003-506
701 Wave Runner III 97	003-506
701 Wave Venture 95-96	003-506
760 GP 97-00	003-506
760 Wave Raider 96	003-506
800 GP 98-00	003-506
701 Wave Venture 98	003-505
701 Wave Venture XL 99-01	003-505
760 Wave Venture 97	003-505
800 GP 01	003-508
800 XL 00-01	003-508
1100 Wave Venture 96-97	003-505
1100 Wave Raider 95-96	003-505
1200 GP 97-99	003-505
1200 GP 00-01	003-508
1200 SUV 99-01	003-508
1200 XL 98	003-505
1200 XL 99-01	003-508

Replacement Wear Rings (Sold Individually)	Part No.
Fits 003-506 and 003-507 (144mm)	003-521
Fits 003-505 (155mm)	003-520
Fits 003-508	003-522



### BILLET DRIVE COUPLER SET

Yamaha	Part No.
A. ADA All Yamaha (except 63M/66E/66V) Utilizes Kawasaki Dampener Type*	34-700190
B. GP1200R, XLL1200	612-12000
*WSM Rubber Coupler Damper Kawasaki 440/550/650/750/800/900	003-201



003-170



003-174



003-175



003-178



TOOL#61-5



TOOL#60-3

### DRIVE COUPLER WRENCH

Yamaha	Part No.
144mm Pumpa	TOOL#60-3
155mm Pump	TOOL#61-5

### WSM REPLACEMENT DRIVE SHAFTS FOR YAMAHA

Yamaha	Year	OEM#	Part No.
650 SJ	90-93	6R7-45511-01-00	003-170
701 Raider/Wave Runner III	94-97	6R8-45511-00-00	003-174
701 SJ	96-06	6R7-45511-01-00	003-170
701 Wave Venture	95-96	6R8-45511-00-00	003-174
701 Wave Venture	98	65R-45511-00-00	003-175
701 XL	99-04	65R-45511-00-00	003-175
760 Wave Raider	96	6R8-45511-00-00	003-174
760 Wave Venture	97	65R-45511-00-00	003-175
760 XL	98	65R-45511-00-00	003-175
800 XL	00-01	66V-45511-00-00	003-178
1200 GP	00-01	66V-45511-00-00	003-178
1200 SUV	99-01	66V-45511-00-00	003-178
1200 XL	99-00	66V-45511-00-00	003-178
1300GP	03-04	66V-45511-00-00	003-178
1300SUV	03-04	66V-45511-00-00	003-178

### WSM REPLACEMENT COUPLER SHAFTS FOR YAMAHA



003-250

003-251

003-251

003-251



003-255

003-257

003-258

Model	Year	Length	O.E.M. No.	Part No.
650 SJ	1990-93	160mm	6R7-51323-01-00	003-250
650 W/ RUNNER III	1990-93	282mm	6R8-51323-01-00	003-258
650 W/ RUNNER III	1995-96	282mm	6R8-51323-03-00	003-258
700 SJ	1995-2008	160mm	6R7-51323-02-00	003-250
700 W/RAIDER	1994-96	282mm	6R8-51323-03-00	003-258
700 W/RAIDER	1995-97	282mm	6R8-51323-10-00	003-258
700 W/RUNNER III	1994-1995	282mm	6R8-51323-02-00	003-258
700 W/RUNNER III	1997	282mm	6R8-51323-10-00	003-258
700 XL	1999-2004	240mm	63N-51323-10-00	003-251
700 W/VENTURE	1995,98	240mm	63N-51323-10-00	003-251
760 W/RAIDER	1996	282mm	6R8-51323-10-00	003-258
760 W/VENTURE	1997	240mm	63N-51323-10-00	003-251
760 XL	1998-99	240mm	63N-51323-10-00	003-251
800 GP	1998	122mm	63M-51323-00-00	003-252
800 GP	2001	205mm	66V-51323-01-00	003-253
800 GP	2002-2005	240mm	68N-51323-00-00	003-255
800 XL	2000-2001	205mm	66V-51323-01-00	003-253
800 XLT	2002-04	205mm	68N-51323-00-00	003-255
1100 W/RAIDER	1995-96	122mm	63M-51323-00-0	003-252
110 W/VENTURE	1996-97	122mm	63M-51323-00-00	003-252
1200 GP	1997-99	122mm	63M-51323-00-00	003-252
1200 GP	2000-2001	205mm	66V-51323-01-00	003-253
1200 GP	2002	205mm	68N-51323-00-00	003-255
1200 SUV	2001	205mm	66V-51323-01-00	003-253
1200 SV	2002-04	205mm	68N-51323-00-00	003-255
1200 XL	98	122mm	63M-51323-00-00	003-252
1200 XL	2000	205mm	66V-51323-01-00	003-253
1200 XL	2001	205mm	68N-51323-00-00	003-255
1200 XLT	02-05	205mm	68N-51323-00-00	003-255
1300 GPR	2003-08	205mm	68N-51323-00-00	003-255

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BLIGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL

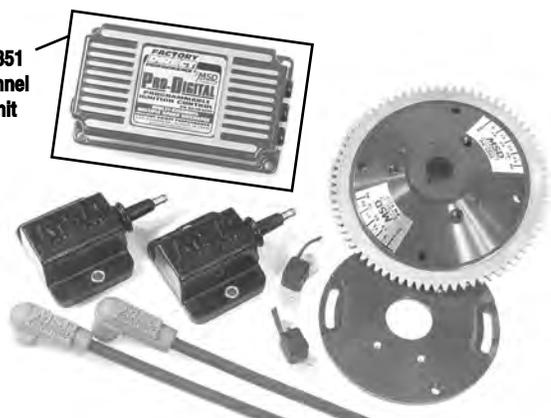
# MSD™ POWERSPORTS

## MULTI-CHANNEL RACING IGNITION SYSTEMS FOR YAMAHA 650/701/760

Precise ignition timing is essential to produce maximum horsepower. However, one timing setting is not ideal for an engine's entire rpm range. The dynamics of air and fuel flow into the engine as well as the speed that the piston travels through the combustion stroke all affect the ideal timing setting. Fortunately, the Programmable MSD Ignition lets you tune in a custom timing curve to match your engine's requirements.

There are three settings that you program to create a timing curve. First you set where you want the initial timing, or idle timing. Next you set the rpm

\*Part # 42351  
Multi Channel  
Ignition Unit  
Only



point to begin the curve, followed by the amount you want it to retard (up to 30°) through the high rpm limit. All the adjustments are made with dip switches built into the ignition.

This Ignition delivers a powerful capacitive discharge spark from idle to top end. This improved output results in complete combustion for performance through the entire rpm range of your engine.

Kit Part No.	Description	Ignition Unit	Trigger Plates	Trigger(s)	Coil (w/Bracket)	Wire Set	Flywheel/Magnet Wheels
42380	Yamaha 650/701/760 Total Loss	42351	4311	(2) 4316	(2) 42921	31009	43032
*42351 Multi Channel Ignition Unit only (Replacement Ignition Kit)							

### 1-REV CONTROL

The MSD's adjustable rev limiter allows you to program an rpm limit that the engine will not rev past. This is a great feature that will save your engine from over rev damage caused by parts failure or if the craft's drive mechanism comes out of the water. When your limit is reached, the ignitions adjusts the spark output quickly to stay below the rpm. This produces a smooth rev limiting action.

### 2-HOLESHOT

Thanks to the rev limiting circuit of the Ignition, MSD engineers developed a feature that will give you great holeshots. By installing a handlebar operated switch, you can activate a lower rpm limit that will hold an engine under 3,000 rpm. This way you can hold the throttle wide open and concentrate on the rubberband snapping. When it does, you release the button, the engine revs to full power and you launch out in front! (See page 107. Hole shot control switch)

### 3-EASY STARTS

When you increase the compression ratio of your engine, it also puts more pressure on your starter to crank the engine over. The MSD Programmable Ignition has two features that can help ease cranking pressure and improve the start up of our watercraft.

**Retard:** When activated, this feature retards the timing 20° to ease cranking. When the engine starts, the timing returns to the initial setting.

**Delay for Electric Starters:** When activated, this mode will not produce a spark for the first several rotations of the engine. This helps build momentum in the engine, resulting in easier starting.

# MSD™ POWERSPORTS



## MSD TRIGGER PICKUP PLATE

One of the advantages of the MSD Multi-Channel Ignition system is the individual trigger pickups for each cylinder. This way you can make up for the variations in fuel flow dynamics to each cylinder, exhaust characteristics or carb synchronization by altering the timing of each cylinder,

Description	Part No.
Yamaha 650/701/760	4311
Yamaha 1200 Powervalve	43115
Kawasaki 650/750	43122

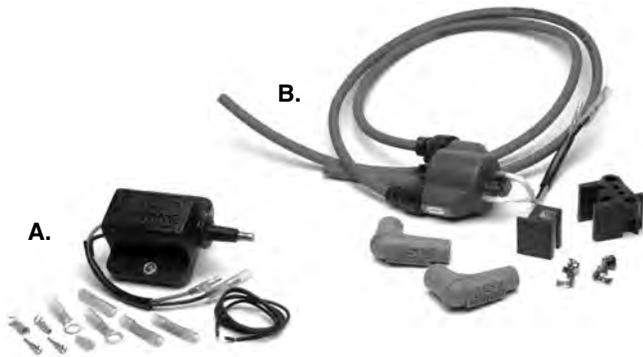
# MSD™ POWERSPORTS



## MSD TOTAL LOSS PICK UP

Description	Part No.
Pick Up Total Loss Universal	4316
Pick Up Yamaha 800/1100/1200	43161
Timing Tape, Sea Doo	LAB17344
Timing Tape, Yamaha 1200/800	LAB19722
Magnets, Round 2 pcs/set	4309

# MSD™ POWERSPORTS



## MSD COILS

Description	Part No.
A. Single Tower Pro Coil	42921
B. Stock Improved Coil for start-up	4294



## MSD PRO-CRIMP TOOL

To do a job right, it is important to have the right tools. If you custom build a lot of plug wires, the Pro-Crimp is the right tool for you! The Pro-Crimp features a hardened steel frame, molded hand grips and built-in ratchet action that is also adjustable. The tool is supplied with jaws to fit MSD's Super Conductor Spark Plug wires and can be removed to use additional jaws (sold separately) for crimping common wiring terminals.

Description	Part No.
MSD Pro Crimp Tool	3505
Spark Plug Dies	3508
Amp Pins	3506
Amp Lug Dies	3507
Weathertight Dies	3509
Deutsch Terminal Dies	3510



## MSD BATTERY QUICK DISCONNECT

Racers will appreciate this Quick Disconnect Battery Connector because it allows

for easy removal of the battery. The connectors grip together to form a vibration proof connection but can easily be disconnected for quick removal for charging of the battery.

Description	Part No.
Battery Quick Disconnect	4376



MSD Bulk Wire 25 ft.  
Red & Black Now Available

## MSD 8.5MM SUPER CONDUCTOR SPARK PLUG WIRE

Spark plug wires have two main objectives; transfer the spark energy and suppress the Electro Magnetic interference (EMI) that the spark voltage creates. The MSD 8.5mm Super conductor delivers the best of both worlds. MSD uses a special copper conductor keeping resistance under 50 ohms per foot! Even with this low resistance, the wire retains high EMI suppression capabilities. By wrapping the conductor tightly around a ferro-magnetic impregnated center core and EMI choke is created, keeping any interference inside the wire.

Description	Part No.
Two Cylinder Wire Set	31009
One Cylinder Wire Set	31019
Three Cylinder Wire Set	31039
Bulk Wire 25 feet - Red	34019
Bulk Wire 25 feet - Black	34013



## MSD SPARK PLUG BOOT RETAINERS

There's no excuse for losing a race due to a plug wire popping off when you run MSD's Boot Retainers. These handy clamps are molded from heat resistant nylon material and will lock the boot to the spark plug.

Description	Part No.
A. Boot Retainer, 90° Spark Plug Boots & Terminal	3340
B. 90° Spark Plug Boots & Terminal Only (2 pcs.)	3311



## MSD DUAL WIRE SEPARATORS

These handy separators will secure two wires and keep them away from the exhaust or moving parts. Each wire can be moved easily and clipped right back in! Sold in a pack of 16.

Description	Part No.
Dual Wire Separator (pack of 16)	8841

FOUR  
STROKE

INTAKE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGE

STEERING  
& CONTROLS

BODY

ACCESSORIES  
SERVICE TOOLS

/HARDWARE

CHEMICAL



### MSD SEA-DOO 800 ENHANCER

The Enhance Ignition for the Sea Doo® 800 (also the '95, '96, XP and GSX) uses a high speed RISC microprocessor to control all of the timer and rev limiter functions. This opens the door for programming, giving you the ability to set two rev limits and a timing curve through a series of dip switches built into the Enhancer. Being able to control the ignition curve lets you match the timing specifically to your engine and its modifications. The Digital Enhancer produces a series of sparks through 3,000 rpm rather than just a single spark. This feature delivers incredible throttle response, acceleration and keeps the idle clean and smooth. Note: This modification will eliminate the factory DSS security system and the handlebar kill feature.

Description	Part No.
Sea Doo 800 '95-'96, 97-98 SPX, GTX	4255



### MSD EXTERNAL STARTER RELAY

This 12 volt relay is a heavy duty unit designed to mount outside the electrical box. It's made with material that locks out moisture and chemicals. The large copper terminals assure good solid contact with your wiring. The stainless steel base plate allows the relay to be mounted in any position. Rated at 65 amps.

Description	Part No.
MSD External Starter Relay	M4390



### MSD TIMING LIGHT

MSD offers a heavy duty top quality timing light. This timing light is supplied in a heavy duty metal housing and features a high output Linear Xenon strobe with a focused fresnel lens that produces a light that's bright enough to use outdoors. It is equipped with a 6 foot lead and uses a metal inductive pickup that clamps to the spark plug wire.

Description	Part No.
MSD Timing Light	8990

Each Enhancer is a direct plug in unit and is designed to fit in the stock location. The Enhancer Ignition gives the racer an edge due to the powerful spark energy and adjustable rev-limiter. The Enhancer Ignitions produce a much more powerful spark, as much as four times more spark energy, to insure complete combustion of the fuel mixture. This complete combustion results in improved performance including quick throttle response, improved pulling power and top end, plus will reduce spark plug fouling. Whether your watercraft is stock or if you've added other modifications such as a better flowing intake or exhaust modifications, the Enhance ignitions will improve the performance.



4253

### MSD YAMAHA 650/701 ENHANCER

At lower rpm you'll notice incredible acceleration and throttle response due to advancing the timing. Then as the rpm increases, the timing is retarded to the factory setting to prevent detonation and engine damage. For racers, there is also a lower rpm limit that you can activate for quick and consistent holeshots. Everything you need to install the Yamaha Enhancer is supplied along with factory connectors for a direct plug-in installation!

*Not compatible with Yamaha 760 engine applications.*

Description	Part No.
Yamaha 650/701	4253



4251

### MSD KAWASAKI 750 ENHANCER

The Kawasaki 750 Enhancer features the increased spark energy you expect from MSD plus they have an adjustable rev limiter and holeshoot rpm limit. The rev limit is adjusted with a potential on the back of the ignition housing. The holeshoot feature lets you activate a lower rpm limit that is best to use for quick starts at the beginning of a race. Also, these ignitions can be connected to the factory overheat sensor. With this feature, if the water temperature gets too high, the Enhancer will limit the rpm to a safe value to avoid any engine damage.

Note: Enhancer will not work on 1996Zxi.

Description	Part No.
Kawasaki 750 SX/SX1/95ZX1	4251



## POWERSHOT ADJUSTABLE FUEL TUNER

The all new R&D Powershot fuel injection tuner will deliver increased horsepower, acceleration, and stronger mid-range performance by delivering a higher performing air to fuel ration (A.F.R.) to the engine. Many of today's high performance fuel injected four stroke muscle craft have a conservative A.R.R., which allows manufacturers to meet C.A.R.B.'s O.E.M emission standards and regulations. R&D Performance has tested, documented, and analyzed the O.E.M. fuel map or curve, on every current fuel injected four stroke watercraft. The pre-programmed and coded R&D Powershot fuel injection control module safely alters the O.E.M. fuel map to a higher performing and safer A.F.R. (richer). More horsepower, greater acceleration and stronger mid-range are the result when the proper A.F.R. is achieved and is tuned for optimum performance. The R&D Powershot is pre-coded, pre-tuned, preset and ready to install easily in minutes with R&D's comprehensive installation and tuning instruction.

The R&D Powershot is fully adjustable on the fly (with the engine running, observed and tuned while riding), and will accommodate a wide range of adjustability to properly performance tune the A.F.R. for any combination of aftermarket parts, i.e. aftermarket supercharger modifications, camshafts or valve train modifications, head modifications, exhaust system modifications, and high compression piston kits. The R&D Powershot will add horsepower, reliability, and adjustability to any electronic fuel injected two or four stroke watercraft engine.

Description	Part No.
KAW 12F/15F Powershot Fuel Tuner	801-15000
KAW Ultra 250X/250LX Powershot Fuel Tuner	801-25000
YAM VX110 Powershot Fuel Tuner	802-00110
YAM FX H.O. Powershot Fuel Tuner	802-16000
YAM FX SHO/FZR/FZS Powershot Fuel Tuner	802-18000
YAM GP 1300R Powershot Fuel Tuner	802-13001
S-D GTX/GTI 4-TEC N.A. Powershot Fuel Tuner	803-95000
S-D GTX 4-TEC SC (185 HP)	803-95001
Powershot Fuel Tuner	
S-D RXP/RXT/GTX 4-TEC (215 HP)	803-95002
Powershot Fuel Tuner	
S-D RXP-X/RXT-X (255HP)	803-95003
Powershot Fuel Tuner	
Hydrospace Powershot Fuel Tuner	806-10000



## IGNI-PRO PROGRAMMABLE IGNITION 800 SX-R

Igni-Pro Programmable Ignition 800 SX-R (all years) - Best is getting better! NEW UPDATED , ignition does not require power when the engine is not running eliminating the battery draw down in the past units. 2008 Igni-Pro is a high power ignition only for racing, which can be adjusted fully online with your PC at home or with Laptop directly on the water. (USB) . This allows you to react at changes at your Kawasaki SX-R 800 configuration. The conversion from the OEM ignition system to Igni-Pro is very simple. Programming software is supplied for Windows 2000 and XP. Operates as a total loss system on all Superstock and GP engines. The unit fits perfectly in the OEM Kawasaki sealed ignition box protecting the unit from possible water damage!

Description	Part No.
Igni-Pro Programmable Ignition 800 SX-R	IGNI800SXR



## RIVA PRO-SERIES E.F.I. CONTROL UNIT

If you plan to modify your Yamaha GP1300R our Pro-Series EFI Control Unit is a must. This easy-to-use control unit plugs directly into the OEM wiring harness between the ignition and fuel injection system providing control of the engines fuel management system. Key benefits include:

- Allows addition of fuel required with engine modifications without upsetting stock fuel map.
- Integrated dials provide easy adjustment and fine-tuning of fuel delivery curve without external programming devices.
- LED lights indicate fuel delivery settings while tuning.
- Won't interfere with craft's stock sensors and inputs.

Yamaha	Part No.
Control Unit, EFI GP1300R (60T), Plug-in	RY11913



## MICRO TOUCH REV-LIMITER FOR SEA DOO

Description	Part No.
785 RAVE 96 2Rev (7500&7900rpm)	MT-REV-SDRAVE96

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL

FOUR STROKE  
 INTAKE SYSTEMS  
 ENGINE/GASKETS  
 EXHAUST  
 DRIVE LINE HANDLING  
 ELECTRICAL  
 WATERLINE /BILGE  
 STEERING & CONTROLS  
 BODY  
 ACCESSORIES  
 SERVICE TOOLS /HARDWARE  
 CHEMICAL



Weathertight

**MSD WEATHERTIGHT**

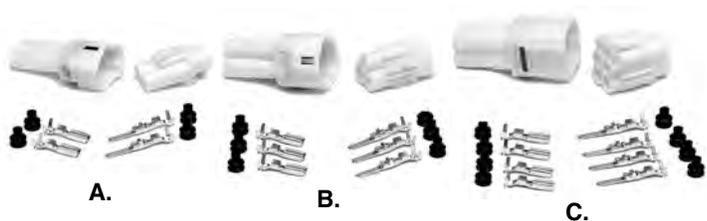
Description	Part No.
6 Pin Connectors	8170
4 Pin Connectors	8171
3 Pin Connectors	8172
2 Pin Connectors	8173



Grey Deutsch

**MSD GREY DEUTSCH CONNECTORS**

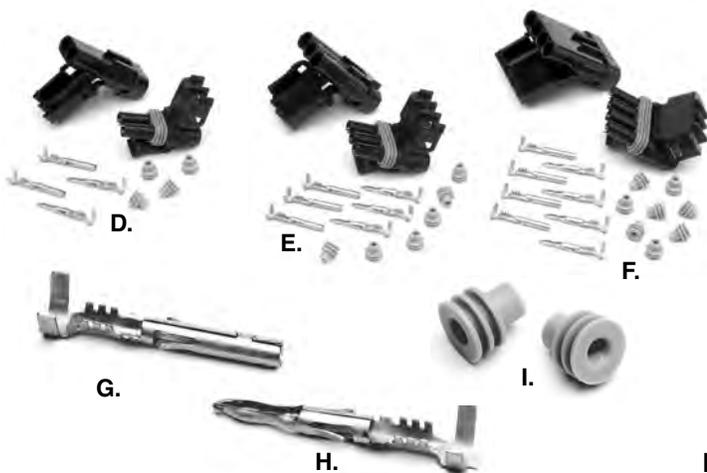
Description	Part No.
8 Pin Connectors	8185
6 Pin Connectors	8180
4 Pin Connectors	8181
2 Pin Connectors	8183



**WATERPROOF TERMINAL KIT**

Japanese OEM type connector Kit.

Description	Part No.
A. 2-Pin Terminal Kit	55-2050
B. 3-Pin Terminal Kit	55-2051
C. 4-Pin Terminal Kit	55-2052



**MSD PERMA-SEAL CONNECTION KIT**

Maximum ignition reliability can only be obtained by using high quality connectors and the Perma-Seal Connector Kit fits the bill! The tin coated copper terminals prevent corrosion and increase the

connector's strength. To seal the connection, each connector has a special heat shrinkable outer sleeve that bonds and seals to the wire when heat is applied to it.

Description	Part No.
MSD Perma-Seal Connector Kit	4377

**HOT PRODUCTS WEATHER PACK CONNECTORS**

Ideal for use in harsh environments. Positive snap-action locking. Secondary locking helps terminal retention and provides access to the terminals for service.

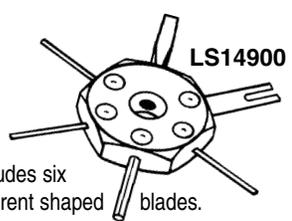
Description	Part No.
D. 2 Way Housing Kit	55-2060
E. 3 Way Housing Kit	55-2061
F. 4 Way Housing Kit	55-2062
G. Female Terminal Only 100 pcs/pk	55-2070
H. Male Terminal Only 100 pcs/pk	55-2071
I. Cavity Seals Only 100 pcs/pk	55-2072



**ADHESIVE LINED HEAT SHRINK BUTT CONNECTORS**

Best used where moisture and corrosion is a problem. After crimping these terminals to wire, heat is applied enabling the adhesive within each shrunk tube terminal to melt and flow evenly to seal the connection against the harshest environment.

Description	Wire Range	Part No.
10pcs/pk Pink	22-18 (0.3-0.8mm)	55-2040
100pcs/pk Pink	22-18 (0.3-0.8mm)	55-2041
10pcs/pk Blue	16-14 (1-2mm)	55-2042
100pcs/pk Blue	16-14 (1-2mm)	55-2043



Includes six different shaped blades.

**TERMINAL DETENT TOOL**

The hollow barrel allows you to depress the tab on the terminal end and to remove the wire from the connector without damaging its ends.

Description	Part No.
Terminal Detent Tool	59-0254
Terminal Removal Tool	LS14900



**JUMPER CABLES**

8 feet long heavy duty 8 gauge copper jumper cables are big on charging power, yet stow conveniently in the 9 x 9 inch nylon bag.

Description	Part No.
Jumper Cables	59-0530



55-2035

## JAPANESE OEM STYLE CONNECTOR

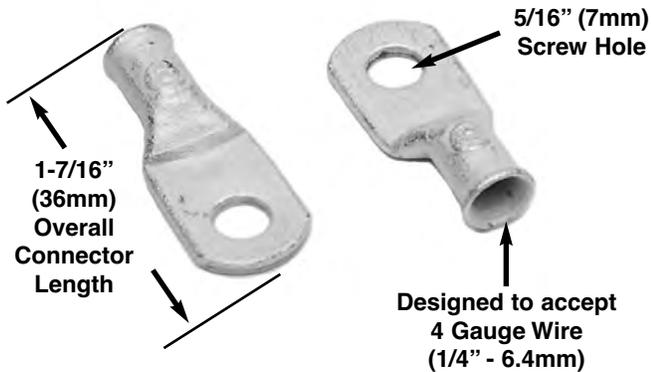
Description	Part No.
OEM Style Electric Connector Kit (5 pcs/pk)	55-2035
Dealer Kit (20 pcs/pk)	55-2037



## MALE/FEMALE TERMINAL KIT

This kit includes 30 of both the male and female terminals and plastic sleeves/covers. The terminals are tin plated to prevent corrosion. The terminal kit is provided in a handy plastic case.

Description	Part No.
Male/Female Terminal Kit	16-601



## QUALITY BATTERY (LUGS) CONNECTION

Marine Grade™ lugs are manufactured from heavy duty annealed tinned copper, providing for maximum current flow. 100% tin plated copper resists corrosion from salt and moisture. Seamless barrel design allows for maximum strength when crimped. Closed end design seals out moisture so cables stay dry and corrosion free.

Descriptions	Part No.
Battery Cable Ends (2pcs/set)	55-2031



OPPAMA



## PET-2100DX TACHOMETER

This measures engine rpm, maximum rpm, total cumulative operating time, resetable cumulative operating time. This has a dual display system for either current rpm alone or current & maximum rpm, and also has two maximum rpm memories for comparison.

*For 2 stroke engines 1 to 4 cylinder applications.*

*For 4 stroke engines 1 to 6 and 8 cylinder applications.*

\*This unit is not compatible with diesel engine and direct ignition applications. Made in Japan.

Description	Part No.
PET-2100DX Tachometer	PET-2100DX



## TINY DIGITAL TACH & HOURMETER

Tachometer and resetable Hourmeter powered by internal battery. Sealed for moisture resistance.

*For 2 stroke engines 2 or 3 cylinder applications.*

Description	Part No.
Digital Tiny Tach (2 & 3-Cylinder)*	59-0552

\*Resetable hourmeter



## OPPAMA IGNITION INDICATOR PULSER

The Oppama Ignition Indicator is the fastest and easiest method to verify each cylinder is reaching spark. Simply hold the Oppama tool next to the ignition spark plug wire with the engine running, and the Blue LED lights up when the spark pulse is sent through the wire.

Description	Part No.
Oppama Ignition Indicator Pulser	OPET-4100



## HOUR/TACH METER

Has same features as hour meter plus tachometer feature. Works on any gas engine up to 2 cylinders and 9000 RPM.

- Firing pattern 1 spark = 1 RPM
- Resolution 10 RPMs
- Maximum RPMs 9000
- Suitable for all single and twin, two or four cycle gasoline engines operating within specified tachometer firing pattern.

Description	Part No.
Hour/Tach Meter	HR-8061

FOUR STROKE

INTAKE SYSTEMS

ENGINE/GASKETS

EXHAUST

DRIVE LINE HANDLING

ELECTRICAL

WATERLINE /BILGE

STEERING & CONTROLS

BODY

ACCESSORIES

SERVICE TOOLS /HARDWARE

CHEMICAL

# JETINETICS

The Science of Racing



J305



J315 - Outside of Flywheel



J315 - Inside of Flywheel

## JETINETICS CHARGING FLYWHEEL

Jetinetics is the originator of the charging aluminum flywheel, and proudly retains the manufacturing right to its patented design. The patented Jetinetics Charging Flywheel is significantly lighter, 50% in some cases, which greatly reduces the energy used to overcome flywheel mass and allow the engine to increase rpms rapidly. A significant benefit is the fact that the engine will produce horsepower only after it has reached its powerband, which usually begins about 3800 rpm. By using a Jetinetics Charging Flywheel, the engine is able to reach its powerband much more quickly and create usable power much sooner. Further, during rapid cornering such as course racing or slalom runs, this becomes a significant factor for acceleration.

- CAD/CAM Designed and Dyno Tested • All Billet Aluminum Construction • 40% to 60% Lighter than Stock
- Manufactured by Jetinetics on our Own CNC Machinery • Deep Purple Anodized Finish All Over
- Precision Dynamically Balanced • Sealed/Invisible Embedded Magnets (Can Never Come Loose or Rust)
- Tuff Heat Treated Alloy Ring Gear, Heat Treated to 65 Rockwell C • Accepts Factory Puller for Removal
- Ring Gear Teeth Chamfered for Better Starter Bendix Engagement • Each Flywheel is Coded and Serialized
- 400 Times More Corrosion Resistant than Double Hard Chrome • Most Models Can be Repaired or Rebuilt if Necessary
- Some Models Utilize Steel Center Hubs to Prevent Bore Failures/Extend Flywheel and Crankshaft Life
- No Modifications Needed to Install (Just Standard Tools Needed)

Description	Part No.
Kawasaki 750/800	J305

Description	Part No.
Yamaha 701 (62T/64X)	J315



MAINTAINER  
MODEL #CU2602



CHARGER  
MODEL #CU2606A



CHARGER  
MODEL #CU2612A

## GUEST 12 VOLT MAINTAINERS AND PORTABLE BATTERY CHARGERS

AMPS	TYPE	PART/MODEL #
0.5	Maintainer	CU2602
6	Portable	CU2606A
10	Portable	CU2612A

## FLYWHEEL/MAGNETO PULLER



Sea Doo	Part No.
A. 800/951 38mm x 1.5	MP#42

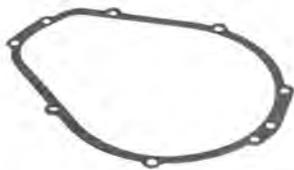
Kawasaki	Part No.
A. 900/1100 35mm x 1.5	MP#29
A. 1200 STX-R, Ultra 150 33mm x 1.5	MP#64

Sea Doo	Part No.
B. 580/650/720 12 Hole Disc 8mm Bolts	MP#37

Polaris	Part No.
B. Polaris All & Universal 12 Hole Disc 8mm Bolts	MP#37

Yamaha	Part No.
B. 580/650/Pre 94 701 12 Hole Disc 8mm Bolts	MP#37
B. 701/760/800/1100/1200 12 Hole Disc 8mm Bolts	MP#37

Kawasaki	Part No.
B. 300/440/550/650 12 Hole Disc 8mm Bolts	MP#37
C. 750/800 Special 18mm x 1.5 Right Hand Bolt	MP#18



## FLYWHEEL COVER & HOUSING GASKETS, O-RINGS & OIL SEALS

SeaDoo Flywheel Cover O-Rings	OEM#	Part No.
580 (88-91)	290-950-130	6280
580/650/720 (92-98)	290-831-555	6278
800 (95-99)	420-950-360	6632
950 (98-99)	290-931-690	6795

SeaDoo Flywheel Housing Gaskets	OEM#	Part No.
580/650/720	290-850-605	6130
800	290-931-470	6045

Yamaha	OEM#	Part No.
650/701/760	6M6-81365	2360
1100/1200	63M-81365	4505
1200XLL/GP1200R/1300R (Oil Seal)	93102-35M57	3710

Kawasaki	OEM#	Part No.
440/550 (O-Ring)	92055-521	008-417
650/750/800 (O-Ring)	92055-3712	008-418
Ultra 150	11060-3803	7790



010-480



010-481

## SEA DOO FLYWHEEL NUT & WOODRUFF KEY

Sea Doo	OEM#	Part No.
Flywheel Nut Sea Doo All	420-842-230	010-480
Woodruff Key Sea Doo All	420-246-055	010-481

## FLYWHEEL BOLTS & KEY

Kawasaki	OEM Number	Part No.
Flywheel Bolts All Models	92150-381	010-491
Flywheel Key All Models	92038-001	010-481-01

Yamaha	OEM Number	Part No.
Flywheel Key All Models	90280-16053-00	010-481-02



SKI M.D.  
AUCKLAND, NEW ZEALAND



## R&D KAWASAKI 750 & 800 SX-R TIMING ADVANCE KIT

The R&D SX-R 800 Timing kit produces a substantial performance gain with the OEM ignition system. By relocating the pickup trigger on the ignition cover a full six degrees of ignition timing is available. Initial ignition timing from 0-2000 rpm boosted from 14 to 20 degrees, mid 3000-5000 rpm from 20 to 26 degrees and overall 6500 rpm + from 12 to 18 degrees.

Description	Part No.
R&D 750/800 Timing Advance Kit	441-75001
Replacement Timing Cover Gasket Only	8050



## PJS TIMING ADVANCE PLATE KAWASAKI 750/800

This plate will allow you to advance the timing of your Kawasaki 750 and 800. The recommended timing advance is 6 degrees. This kit includes the shim (washer) for the starter bendix.

You must use a thick timing cover gasket (Part 8050) for the proper clearance or engine damage will occur. Gasket is sold separately.

Description	Part No.
PJS Timing Advance Plate for 750/800	EN-00010
Replacement Timing Cover Gasket Only	8050



## ADA RACING TIMING ADVANCE PLATE KAWASAKI 12F AND 15F

This is a stock timing trigger plate that is machined with additional locations for timing advance. Has the stock position, +3, +4, and +5 degrees. This fits the Kawasaki STX-15F and STX-12F four stroke watercraft.

Description	Part No.
ADA Racing Timing Advance Plate	31-250100

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL



# NEW MES AQUA TORQUE STARTERS AND STARTER DRIVES



MES "High Torque" models and OEM equivalent models.  
All starters meet or exceed OEM specification.



S1090MHT  
S1090M



S1091MHT • S1091M  
\*Complete as shown with  
mounting bracket



S1096MHT-9  
S1096M-9  
\*9 Tooth Bendix



S1098MHT  
S1098M



S1102M

Sea Doo Model	OEM#	High Torque Starter	OEM Replacement Starter	Drive Gear Idle Gear
GT, SP, XP580 89-91	278-000-316	S1090MHT	S1090M	3275M/3276M
SP, SPL, SPX580 91-94	278-000-316	S1090MHT	S1090M	3275M/3276M
XP650 91-94(all)	278-000-316	S1090MHT	S1090M	3275M/3276M
580/650/720 94-00(all)	278-000-485	S1091MHT	S1091M	3275M/3276M
XP800 95, XP/GSX/GTX96	278-000-577	S1096MHT-9	S1096M-9	3275M/3276M
951(all)	278-000-98Z	S1098MHT	S1098M	3270M
4 Tec (4Stroke)	290-888-999	_____	S1102M	Not Required
97-2003 GSX, SPX, GTX RFI, GSX RFI & 2003 GTI RFI	278-001-497/278-001-038 278-001-301	S1096MHT-8	S1096M-8	Not Required



S1095MHT  
S1095M



S1099MHT  
S1099M



S1103M



S1101M



S1097MHT

Yamaha	OEM#	High Torque Starter	OEM Replacement Starter	Drive Gear Idle Gear
500 88-89	_____	_____	_____	3274M
650/701 (all)	6M6-81800-10-00	S1095MHT	S1095M	3270M
760	64X-81800-00-00	S1105MHT	S1105M	3270M
800/1100/1200 (all)	63M-81800-00-00	S1099MHT	S1099M	3270M
FX140 (4Stroke)	60E-81800-00-00	S1103MHT	S1103M	Not Required
VX1100	6D3-81800-00	S1107MHT	S1107	_____

Honda	OEM#	High Torque Starter	OEM Replacement Starter	Drive Gear Idle Gear
F12/F12X 1200cc Aqua Trax	31200-HW1-671	_____	S1101M	Not Required

Tigershark	OEM#	High Torque Starter	OEM Replacement Starter	Drive Gear Idle Gear
640/650/770/900/1000 (92-99)	3008/093/327/536	S1097MHT	_____	3270M



S1094MHT  
S1094M



S1092MHT  
S1092M



S1100M



S1093MHT  
S1093M

Kawasaki	OEM#	High Torque Starter	OEM Replacement Starter	Drive Gear Idle Gear
440/550/550SX (all)	21163-3710	S1094MHT	S1094M	3273M
650/750/800/900/1100 (all)	21163-3712	S1092MHT	S1092M	3270M
ULTRA150, STX-R	21163-3715	_____	S1100M	Not Required

Polaris	OEM#	High Torque Starter	OEM Replacement Starter	Drive Gear Idle Gear
650/750/785/900/1050 (all)	324-01100	S1093MHT	S1093M	3270M



3270M  
(19 tooth)



3273M  
(9 tooth)



3274M  
(11 tooth)



3275M  
9 Tooth  
(OEM 9 Tooth)



3276M  
8 Tooth  
(High Torque Unit)

**Manufacturer's Warranty Policy:** All MES products (excluding MES Economy Starters), when properly installed, are warranted by MES against defects in materials and workmanship for a period of one year from the date of sale to the original purchaser. For MES to accurately inspect defective items for warranty consideration, we ask that all returns reach our facility within the warranty period with an RA#, along with a copy of the original invoice and a brief explanation of the product's alleged malfunction.

**Non-Covered Warranty Issues:** Our warranty is limited to the replacement of defective units only and does not cover labor or any other expenses. This warranty extends to the application under normal use, and does not apply to any of the following: submersion, deliberate abuse, broken drive-gears, that are broken or tampered with during installation, or involved in attempted improper installations. Any tampering or dismantling, grinding, drilling, removing or addition of parts, or any action that alters the original design of the unit, will immediately render this warranty null and void.

# MES ECONOMY STARTERS



Sea Doo Model	OEM#	Economy Starter	Drive Gear/Idle Gear
GT, SP, XP580 89-91	278-000-316	C1090-NA	3275M/3276M
SP, SPL, SPX580 91-94	278-000-316	C1090-NA	3275M/3276M
XP650 91-94(all)	278-000-316	C1090-NA	3275M/3276M
580/650/720 94-00(all)	278-000-485	C1091-NA	3275M/3276M
XP800 95, XP/GSX/GTX96	278-000-577	C1096-9-NA	3275M/3276M
951(all)	278-000-98Z	C1098-NA	3270M
4 Tec (4Stroke)	290-888-999	C1102-NA	Not Required
97-2003 GSX, SPX, GTX RFI,	278-001-497/278-001-038	C1096-8-NA	Not Required
GSX RFI & 2003 GTI RFI	278-001-301		



Yamaha Model	OEM#	Economy Starter	Drive Gear/Idle Gear
650/701 (all)	6M6-81800-10-00	C1095-NA	3270M
800/1100/1200 (all)	63M-81800-00-00	C1099-NA	3270M

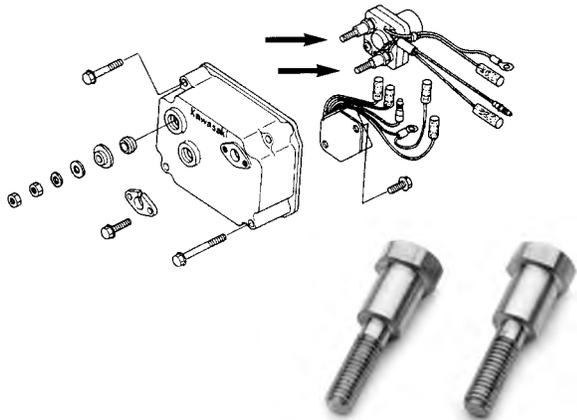
Tigershark Model	OEM#	Economy Starter	Drive Gear/Idle Gear
640/650/770/900/1000 (92-99)	3008/093/327/536	C1097-NA	3270M



Kawasaki Model	OEM#	Economy Starter	Drive Gear/Idle Gear
650/750/800/900/1100 (all)	21163-3712	C1092-NA	3270M
ULTRA150, STX-R	21163-3715	C1100-NA	Not Required

**Manufacturer's Warranty Policy:** All MES Economy Starters, when properly installed, are warranted by MES against defects in materials and workmanship for a period of 90 days from the date of sale to the original purchaser. For MES to accurately inspect defective items for warranty consideration, we ask that all returns reach our facility within the warranty period with an RA#, along with a copy of the original invoice and a brief explanation of the product's alleged malfunction.

**Non-Covered Warranty Issues:** Our warranty is limited to the replacement of defective units only and does not cover labor or any other expenses. This warranty extends to the application under normal use, and does not apply to any of the following: submersion, deliberate abuse, broken drive-gears, that are broken or tampered with during installation, or involved in attempted improper installations. Any tampering or dismantling, grinding, drilling, removing or addition of parts, or any action that alters the original design of the unit, will immediately render this warranty null and void.



## KAWASAKI BATTERY SOLENOID POST

Our solenoid post allows placement of corroded post without replacing the expensive solenoid on all Kawasaki Jet Ski with small electrical box.

Description	Part No.
Solenoid Post 2 per set	55-3350



## MSD EXTERNAL STARTER RELAY

This 12 volt relay is a heavy duty unit designed to mount outside the electrical box. Moisture and chemicals resistant. The large copper terminals assure good solid contacts. The stainless steel base plate allows the relay to be mounted in any position. Rated at 65 amps.

Description	Part No.
MSD External Starter Relay	M4390

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL



# WSM OEM REPLACEMENT COILS



FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
SERVICE TOOLS ACCESSORIES  
SERVICE TOOLS ACCESSORIES  
SERVICE TOOLS ACCESSORIES  
SERVICE TOOLS ACCESSORIES



## YAMAHA LIGHTING COILS

Yamaha	OEM No.	Year	CC	Model	Part No.
Lighting Coil	6K8-81303-40-00	1989-1990	500	Wave Jammer	004-152
	6E7-81303-40-00	1989-1993	500	Wave Runner	
Lighting Coil	6M6-85533-00-00	1990-1993	650	SuperJet	004-156
		1991-1995	650	VXR	
		1990-1995	650	Wave Runner III	
		1991-1993	650	Wave Runner LX	
		1991-1995	700	FX1	
		1995	700	SuperJet	
		1993-1994	700	VXR Pro	
		1993-1995	700	Wave Blaster	
		1994-1995	700	Wave Runner III	
Lighting Coil	62T-85533-00-00	1996	650	Wave Runner III	
		1996-2009	700	SuperJet	
		1996	700	Wave Blaster	
		1994-1997	700	Wave Raider	
		1997	700	Wave Runner III	
		1995-1998	700	Wave Venture	
		1999-2004	700	XL	
		1999-2000	760	GP	
		1996-1997	760	Wave Blaster	
		1996	760	Wave Raider	
		1997-1998	760	Wave Runner	
		1997	760	Wave Venture	
		1998-1999	760	XL	

## YAMAHA CHARGE COILS

Yamaha	OEM No.	Year	CC	Model	Part No.
Charge Coil	6M6-85520-00-00	1990-1993	650	SuperJet	004-155
		1991-1995	650	VXR	
		1990-1995	650	Wave Runner III	
		1991-1993	650	Wave Runner LX	
		1994-1995	700	FX1	
		1995	700	SuperJet	
		1993-1994	700	VXR Pro	
		1993-1995	700	Wave Blaster	
		1994-1995	700	Wave Runner III	
Charge Coil	62T-85520-00-00	1996	650	Wave Runner III	
Charge Coil	62T-85520-01-00	1996-2009	700	SuperJet	
		1996	700	Wave Blaster	004-146
		1994-1997	700	Wave Raider	
		1997	700	Wave Runner III	
		1995-1998	700	Wave Venture	
		1999-2004	700	XL	
Charge Coil	64X-85520-00-00	1999	760	GP	
		1996-1997	760	Wave Blaster	
		1996	760	Wave Raider	
		1997-1998	760	Wave Runner	
		1997	760	Wave Venture	
		1998-1999	760	XL	

## YAMAHA PULSER COILS

Yamaha	OEM No.	Year	CC	Model	Part No.	
Pulser Coil	6M6-85580-00-00	1990-1993	650	SuperJet	004-153	
		1991-1995	650	VXR		
		1990-1996	650	Wave Runner III		
		1991-1993	650	Wave Runner LX		
		1994-1995	700	FX1		
		1995-1999	700	Super Jet		
		1993-1994	700	VXR Pro		
		1993-1996	700	Wave Blaster		
		1994-1997	700	Wave Raider		
		1994-1997	700	Wave Runner III		
		1995-1998	700	Wave Venture		
		1999	700	XL		
Pulser Coil	64X-85580-00-00	1999	760	GP		004-145
		1996-1997	760	Wave Blaster		
		1996	760	Wave Raider		
		1997-1998	760	Wave Runner		
		1997	760	Wave Venture		
		1998-1999	760	XL		

## YAMAHA STATOR PLATES

Yamaha	OEM No.	Year	CC	Model	Part No.
Stator Plate	6R7-85560-00-00	1990-1995	650	SuperJet	004-242
Assembly	6R8-85560-00-00	1991-1995	650	VXR	
(smaller Coils)		1990-1995	650	Wave Runner III	004-240
		1994-1995	700	FX1	
		1993-1994	700	VXR Pro	
		1993-1995	700	Wave Blaster	
		1994-1995	700	Wave Runner III	
Stator Plate	62T-85560-00-00	1996	650	Wave Runner III	
Assembly	6R7-85560-10-00	1996-2009	700	SuperJet	
(bigger Coils)	6R8-85560-10-00	1996	700	Wave Blaster	
		1994-1997	700	Wave Raider	
		1997	700	Wave Runner III	
		1995-1998	700	Wave Venture	
		1999-2003	700	XL	

## YAMAHA ARMATURE COIL

Yamaha	OEM No.	Year	CC	Model	Part No.
Armature Coil	65U-85510-00-00	1997-1999	1200	GP	004-241
		1999	1200	SUV	
		1998	1200	XL	



004-162



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## KAWASAKI CHARGE COILS

Kawasaki	OEM No.	Year	CC	Model	Part No.
Charge Coil	59031-3002	1983-1992	440	JS	004-161
		1982-1989	550	JS	
		1990-1995	550	SX	
Charge Coil	21003-3719	1991-1995	650	SC	004-165
	21003-3712	1989-1990	650	TS	

## KAWASAKI EXCITER COILS

Kawasaki	OEM No.	Year	CC	Model	Part No.
Exciter Coil	21049-3006	1979-1982	440	JS	004-159
Exciter Coil	21049-3007	1983-1992	440	JS	
		1982-1989	550	JS	004-162
		1990-1995	550	SX	
Exciter Coil	21003-3719	1991-1995	650	SC	
	21003-3712	1989-1990	650	TS	

# WSM OEM REPLACEMENT COILS



## KAWASAKI PULSER COILS

Kawasaki	OEM No.	Year	CC	Model	Part No.
Pulsar Coil	59026-3008	1983-1992	440	JS	<b>004-163</b>
		1982-1989	550	JS	
		1990-1995	550	SX	

## KAWASAKI ARMATURE COIL

Kawasaki	OEM No.	Year	CC	Model	Part No.
Armature Coil	21003-3744	2000-2003	1100	STX D.I	<b>004-205</b>
	21003-3741	2001-2004	1100	ULTRA 130	



004-170



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## SEA DOO CHARGE COILS

Sea Doo	OEM No.	Year	CC	Model	Part No.
Charge Coil	290-866-635 410-912-000	1990-1991	580	GT	<b>004-170</b>
		1989-1991	580	SP	
		1991-1994	580	XP	
		1994	580	XPI	
Charge Coil	290-965-400 410-915-200	1992-1995	580	GTS	<b>004-171</b>
		1992-1993	580	GTX	
		1992-1996	580	SP	
		1993-1996	580	SPI	
		1993	580	SPX	
		1992	580	XP	
		1995	650	GTX	
		1994-1995	650	SPX	
		1997-2001	720	G	
		1997	720	GSI	
		1996-2005	720	GTI	
		2002-2004	720	GTI LE	
		1996-2001	720	GTS	
		1995-1997	720	HX	
		1997	720	SP	
		1996-1997	720	SPX	
1995	720	XP			



004-202

## SEA DOO STATOR ASSEMBLY

Sea Doo	OEM No.	Year	CC	Model	Part No.
Stator Assembly	290-886-726 420-886-725	1995-1997	580	GTS	<b>004-202</b>
		1995	580	SPI	
		1995	650	GTX	
		1995	650	SP	
		1995	650	SPX	
		1995	650	XP	
		1997	720	GS	
		1997	720	GSI	
		1996-2005	720	GTI	
		1995-1997	720	HX	
		1996-1997	720	SP	
		1996	720	SPI	
		1996-1997	720	SPX	



004-175



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## IGNITION COILS OEM Replacement

Sea Doo	OEM No.	Year	CC	Model	Part No.			
Ignition Coil	290-866-607	1989-1990	580	SP	<b>004-175</b>			
Ignition Coil	278-000-202	1992-1996	580	GTS	<b>004-178</b>			
Ignition Coil	278-000-586	1992-1993	580	GTX	<b>004-178</b>			
		1992-1996	580	SP				
		1993-1996	580	SPI				
		1992	580	XP				
		1994-1995	650	GTX 3				
		1993-1995	650	SPX				
		1994-1995	650	XP				
		1994	650	XPI				
		1996-1997	720	GTI				
		1997-2000	720	GTS				
		1995-1997	720	HX				
		1997	720	SP				
		1996-1997	720	SPX				
		Ignition Coil	278-000-383	2001-2005		720	GTI	<b>004-176</b>
				2002-2004		720	GTI LE	
2001	720			GTS				
1997	720			SP				
1996-1997	800			GSX				
1996-1997	800			GTX				
1997-1999	800			SPX				
1995-1996	800			XP				
1998	951			GTXLTD				

Yamaha	OEM No.	Year	CC	Model	Part No.			
Ignition Coil	6K8-85570-10-00	1989-1990	500	Wave Jammer	<b>004-150</b>			
Ignition Coil	6K8-85570-19-00	1989-1993	500	Wave Runner	<b>004-150</b>			
Ignition Coil	6M6-85570-00-00	1991	650	Super Jet	<b>004-157</b>			
Ignition Coil	6R8-85570-00-00	1990-1993	650	Wave Runner III	<b>004-157</b>			
Ignition Coil	62E-85570-00-00	1991	650	Wave Runner LX	<b>004-157</b>			
Ignition Coil	62E-85570-10-00	1999-2009	700	Super Jet	<b>004-157</b>			
Ignition Coil	62E-85570-11-00	1993-1996	700	Wave Blaster	<b>004-157</b>			
		1994-1995	700	Wave Raider				
		1994-1997	700	Wave Raider				
		1994	700	Wave Runner III				
		1995-1996	700	Wave Venture				
Ignition Coil	64X-85570-00-00	1999-2000	760	GP	<b>004-196</b>			
Ignition Coil	64X-85570-01-00	1996-1997	760	Wave Raider	<b>004-196</b>			
		1997-1999	760	Wave Runner XL				
		1996-1997	760	Wave Venture				
		1998-2005	800	GP				
		2004	800	Wave Runner XA				
		2000-2001	800	Wave Runner XL				
		2002-2003	800	Wave Runner XLT				
		Ignition Coil	63M-85570-00-00	1995-1996		1100	Wave Raider	<b>004-193</b>
				1996-1997		1100	Wave Venture	

Kawasaki	OEM No.	Year	CC	Model	Part No.
Ignition coil/CDI Box	21119-3703 21119-3711	1987-1991	650	SX	<b>004-208</b>
Ignition Coil	21121-3702	1992-1995	750	SX	<b>004-180</b>
Ignition Coil	21121-3705	1995-2002	750	SXI	<b>004-180</b>
Ignition Coil	21121-3712				<b>004-180</b>
Ignition Coil Cyl. #1 (15" Long Wire)	21121-3708	2001-2002	900	STS	<b>004-192-15</b>
		1997-2006	900	STX	
		1995-1997	900	ZXI	
		1997-1999	1100	STX	
		1996-2003	1100	ZXI	
Ignition coil Cyl. #2 (21" Long Wire)	21121-3709	2001-2002	900	STS	<b>004-192-21</b>
		1997-2006	900	STX	
		1995-1997	900	ZXI	
		1997-1999	1100	STX	
		1996-2003	1100	ZXI	
Ignition coil Cyl. #3 (26" Long Wire)	21121-3710	2001-2002	900	STS	<b>004-192-26</b>
		1997-2006	900	STX	
		1995-1997	900	ZXI	
		1997-1999	1100	STX	
		1996-2003	1100	ZXI	

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
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STEERING & CONTROLS  
BODY  
ACCESSORIES SERVICE TOOLS /HARDWARE  
CHEMICAL

# NO MORE SEARCHING REQUIRED! HOT PRODUCTS HAS THE SWITCH FOR YOUR APPLICATION

## Hot Products PWC Waterproof Switches Imported Exclusively from



JP7043/JP7044 can be installed with Hot Products Throttle Lever 58-0970 & 58-0971 as pictured above.



**HOT PRODUCTS  
EXCLUSIVE**

### 3-POSITION PANEL MOUNT ROTARY SWITCH

Connects to two electronic accessories for power control. Allows the operation of one or both accessories to run at the same time. Suggested uses: Second Bilge, Ignition, etc. 12Volt/5Amp.



**Left Hand  
On Position**  
Use: Blue &  
Red Wires



**Center Off  
Position**



**Right Hand  
On Position**  
Use: White &  
Red Wires



JP7043



JP7044

### UNIVERSAL HANDLEBAR MOUNT SWITCHES

Mounts to handlebar or mounts to underside of most aftermarket throttle levers. Complete with 9" wire lead.

Description	Part No.	Description	Part No.	Description	Part No.
Handlebar Mount Switch 12Volt/6Amp push on/off switch	JP7043	Handlebar Mount Switch 12Volt/5Amp 3 position rotary switch	JP7044	Panel Mount Switch	57-3020

FOUR  
STROKE

INTAKE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGE

STEERING  
& CONTROLS

BODY

SERVICE TOOLS  
ACCESSORIES

SERVICE TOOLS  
/HARDWARE

CHEMICAL



## CORROSION BLOCK®

### CORROSION BLOCK MULTI-PURPOSE GREASE

Liquid grease is ideal for use in electrical applications requiring grease.

Description	Part No.
Corrosion Block Liquid 1oz. Bottle	CB-20001



EPOXY LINED ON THE INSIDE OF THE TUBING



### EPOXY LINED HEAT SHRINK TUBING

High performance epoxy lined 1/2" id heat shrink. Just splice your wires, heat until the epoxy liquifies and your worries of possible water damage/corrosion are over! Heat shrink tubing color is Black.

Description	Part No.
Epoxy Lined Heat Shrink Tubing (4' length, 1/2" ID)	55-2032

## WATERPROOF SWITCHES AND BRACKETS

- Features waterproof on/off switch that is available with machined aluminum clamp-on or switch mounted bracket. Allows totally reliable and easy control of bilge pump operation.
- Mounting bracket is machined from billet alloy and is anodized black to prevent corrosion. Available for clamp-on bar mounting or bolts to the bottom of the OEM on/off switch assembly.
- All of the switches have a 9 ft. high grade wire lead.



**Yamaha**  
All

**Part No.**  
57-3017



**Description**  
Universal Handle Bar Mount

**Part No.**  
57-3006

**UNIVERSAL**



**Kawasaki**  
All 650's / 750SS-95 / XI-93

**Part No.**  
57-3015



**Kawasaki**  
440 / 550 / 750SX / 750SXI / 800SX-R

**Part No.**  
57-3003

**Description**  
Standard Switch with 9 feet of wire (No bracket included)

**Part No.**  
57-3009



### CPI WATERPROOF SWITCH ONLY

This replacement safety switch fits Sea Doo's and other manufacturers.

**Description**  
Replacement Safety Switch (Sea Doo & other manufacturers)

**Part No.**  
57-3011



### UMI RXP TRIM/SWITCH HOUSING

UMI's trim/switch housing is machined from 6061-T6 billet aluminum, replacing the stock plastic housing. Trim/switch housing uses the factory variable trim switch and start/stop switch. This housing must be used with the UMI GSX/RXP (P/#58-6321) steering system, aftermarket bars and finger throttle.

**Description**  
UMI RXP Trim/Switch Housing

**Part No.**  
SD-01600-CLR



### BILLET 3 SWITCH HOLDER For Aftermarket Handlebar

**Description**  
Sea Doo

**Color**  
Polished

**Part No.**  
58-2004



### BILLET STOP SWITCH HOLDER For Aftermarket Handlebar

**Description**  
SD GTX. 4-Tec, RXP, RXT (One hole type)

**Part No.**  
58-2003

FOUR STROKE	INTAKE SYSTEMS	ENGINE/GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES	SERVICE TOOLS /HARDWARE	CHEMICAL
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# NGK SPARK PLUGS



## STANDARD PLUGS

B7ES  
B7HS  
B8ES  
B8HS  
B9ES

Sold Pk/10



(Terminal can be removed)

## RESISTOR PLUGS

BPR7ES  
BR7ES  
BR7HS  
BPR8ES  
BPR9ES  
BR8ES  
BR8HS  
BR9ES  
BR9HS

Sold Pk/10



## SOLID RESISTOR PLUGS

BR8ES-SOLID  
BR8HS-SOLID  
BR9ES-SOLID  
BR8ES-11  
(For Yam GPR)  
CR9EB

Sold Pk/10



Solid Terminal  
(Non separable)

\*Solid Terminal Nut

### YAMAHA

YEAR	REG PLUG	IRIDIUM PLUG
1300	WaveRunner GP GP1300	2004-2003 BR8ES-11* -----
1200	WaveRunner III GP GP1200	1999-1997 BR8HS BR8HIX
	WaveRunnerIII GP GP1200R	2002-2000 BR8ES-11* -----
	WaveRunner SUV1200	2004-1999 BR8HS BR8HIX
	WaveRunner XA1200	1998 BR8ES BR8EIX
	WaveRunner XL1200	1998 BR8HS BR8HIX
	WaveRunner XL1200	2000-1999 BR8ES-11* -----
	WaveRunner XL1200	2004-2001 BR8ES-11* -----
1100	FX160 FX160	2004 CR9EB* -----
	WaveRaider II RA1100	1996-1995 BR8HS BR8HIX
	WaveVenture WVT1100	1997-1996 BR8HS BR8HIX
1000	WaveRunner FX140	2004-2002 CR9EB* -----
800	WaveRunner GP800	2004-1998 BR8ES* BR8EIX
	WaveRunner XL800	2001-2000 BR8ES* BR8EIX
	WaveRunner XLT800	2004-2002 BR8ES* BR8EIX
760	WaveRunner III GP GP760	2000-1997 BR8HS BR8HIX
	WaveRaider RA760	1996 BR8HS BR8HIX
	WaveBlaster II WB760	1997-1996 BR8HS BR8HIX
	WaveVenture WVT760	1997 BR8HS BR8HIX
	WaveRunner XL760	1999-1998 BR8HS BR8HIX
700	FX1 FX700	1996-1994 B8HS BR8HIX
	WaveRaider RA700	1996-1994 BR8HS BR8HIX
	WaveRaider RA700B	1997 B7HS BR7HIX
	Wave Raider Del RA700B	1996 B8HS BR8HIX
	SuperJet SJ700	1996-1994 B8HS BR8HIX
	SuperJet SJ700	2001-1997 BR7HS BR7HIX
	SuperJet SJ700	2004-2002 BR8HS BR8HIX
	WaveBlaster WB700	1996-1993 BR8HS BR8HIX
	WaveRunner III WRA700	1997-1995 BR8HS BR8HIX
	WaveRunnr Pro VXR WRB700	1994-1993 BR8HS BR8HIX
	WaveVenture WVT700	1998-1995 BR8HS BR8HIX
	Wave Runner XL700	2004-1990 BR8HS BR8HIX
650	SuperJet SJ650	1992-1990 B8HS BR8HIX
	WaveRunner WR650	1992-1990 B8HS BR8HIX
	WaveRunner III WRA650	1995-1991 BR8HS BR8HIX
	WaveRunner VXR WRB6	1995-1991 B8HS BR8HIX
500	WaveJammer WJ500	1990-1978 B7HS BR7HIX
	WaveRunner WR500	1993-1987 B7HS BR7HIX

### POLARIS

YEAR	REG PLUG	IRIDIUM PLUG
	MX140	2004 PZFR6H -----
1200	Genesis	2001-1999 BR9ES* -----
	Genesis I	2002-1999 PZFR6H -----
	Pro 1200	2002-2000 BPR8ES -----
	SLX	2001-2000 BPR8ES -----
	Virage TX	2001-2000 BR9ES* BR9EIX
	Virage TXI	2002-2001 -----
1050	SLX	1999 BPR8ES -----
	SLTX	1999-1996 BPR8ES -----
	SL 1050	1998-1997 BPR8ES -----
900	SL 900	1997-1996 BPR8ES -----
780	SL 780	1997-1996 BPR8ES -----
	SLX 780	1997-1996 BPR8ES -----
785	SLX Pro 785	2000-1998 BR9ES* BR9EIX
777	Virage I	2002 -----
	Octane	2002 -----
	Octane	2002 BR9ES* BR9EIX
750	SL 750	1995-1994 BPR7ES -----
	SLT 750	1995 BPR7ES -----
700	Virage	2002-2000 BPR8ES -----
	SLTH	1999 BPR8ES -----
	SLH	2001-1999 BPR8ES -----
	Freedom	2002 BPR8ES -----
	SL 700	1998-1997 BPR8ES -----
	SL 700 Deluxe	1998-1996 BPR7ES -----
	Hurricane	1997-1996 BPR8ES -----
650	SL 650	1995-1994 BPR7ES -----

### HONDA

YEAR	IRIDIUM PLUG
1235	Aqua Trax F-12X 2002-2004 IMR9D-9H
	Aqua Trax F-12 2002-2004 IMR9D-9H
1200	Aqua Trax R-12 2002-2004 IMR9D-9H
	Aqua Trax R-12X 2002-2004 IMR9D-9H

### KAWASAKI (Jet-Ski)

YEAR	REG PLUG	IRIDIUM PLUG
1500	STX-15F JT1500-C	2004 CR9EK CR9EIX
1200	Ultra 150 (A2) JH1200-A	2002-2000 BR9ES* BR9EIX
	Ultra 150 (A1) JH1200-A	1999 R6918C-9* -----
	STX-R JT1200-A	2003-2002 BR9ES* BR9EIX
	STX-12F JT1200-B	2004-2003 CR9EK CR9EIX
	Ultra 150 JH1200-B	2004-2003 BR9ES* BR9EIX
	STX-R JT1200-C	2004 BR9ES* BR9EIX
1100	ZXI JH1100-A	2003-1996 BR9ES* BR9EIX
	Ultra 130 DI JH1100-B	2004-2001 PZFR7G-G -----
	STX JT1100-A	1997 BR9ES* BR9EIX
	STX JT1100-B	1999-1998 BR9ES* BR9EIX
	STX JT1100-C	2000 PZFR7G-G -----
	STX D1 JT1100-F	2002-2001 PZFR7G-G -----
	STX D1 JT1100-G	2003 PZFR7G-G -----
900	ZXI JH900-A	1997-1995 BR9ES* BR9EIX
	STX JT900-A	1999-1997 BR9ES* BR9EIX
	STS JT900-B	2002-2001 BR9ES* BR9EIX
	STX JT900-B	2000-1999 BR9ES* BR9EIX
	STX JT900-C	2002-2001 BR9ES* BR9EIX
	STX JT900-D	2003 BR9ES* BR9EIX
	STX JT900-E	2004 BR9ES* BR9EIX
800	800SXR 800SX-R	2004-2003 BR8ES* BR9EIX
	800SXR JS800-A	2004-2003 BR8ES* BR9EIX
750	Super Sport JH750-A	1994-1992 BR8ES* BR9EIX
	Super Sport Xi JH750-B	1995-1993 BR8ES* BR9EIX
	ZXi JH750-C	1997-1995 BR8ES* BR9EIX
	XiR JH750-D	1994 BR8ES* BR9EIX
	Super Sport JH750-E	1997-1996 BR8ES* BR9EIX
	Super Sport Xi JH750-F	1997-1996 BR8ES* BR9EIX
	Super Sport Xi JH750-G	1999-1998 BR8ES* BR9EIX
	SX JS750-A	1994-1992 BR8ES* BR9EIX
	SX JS750-B	1997-1995 BR8ES* BR9EIX
	SX Pro JS750-C	2002-1998 BR8ES* BR9EIX
	ST JT750-A	1994 BR8ES* BR9EIX
	STS JT750-B	1997-1995 BR8ES* BR9EIX
	STS JT750-C	1999-1998 BR8ES* BR9EIX
650	Jet Mate JB650	1992-1989 BR7ES* BR7EIX
	X2 JF650-A	1995-1986 BR7ES* BR7EIX
	TS JF650-B	1996-1989 BR7ES* BR7EIX
	SC JL650	1995-1991 BR7ES* BR7EIX
	650SX JS650	1995-1991 BR7ES* BR7EIX
	650SX JS650	1990-1987 BR7ES* -----
550	550SX (C2) JS550	1995-1982 BR8ES* BR8EIX
440	440SX JS440	1992-1976 BR7ES* BR7EIX
400	400SX JS400	1975-1974 B7ES -----

### BOMBARDIER (Sea-Doo)

YEAR	REG PLUG	IRIDIUM PLUG
1500	GTX 4-TEC, 4-TEC S/C	2003-2002 DCPR8E -----
950	GSX Limited	1999-1997 BR8ES* BR8EIX
	GTX	2002-1999 BR8ES* BR8EIX
	GTX DI	2003-2000 ZFR4F-11 -----
	LRV DI	2003-2002 ZFR4F-11 -----
	RX	2002-2000 BR8ES* BR8EIX
	RX DI	2003-2000 ZFR4F-11 BR8EIX
	RXX	2002-2001 BR8ES* BR8EIX
	XP	2002-1999 BR8ES* BR8EIX
780	GSX	2000-1996 BR8ES* BR8EIX
	GTX	2000-1996 BR8ES* BR8EIX
	GTX RFI	2002-1999 BR8ES* BR8EIX
	SPX	1999-1997 BR8ES* BR8EIX
	XP	2000-1995 BR8ES* BR8EIX
720	GS	2001-1997 BR8ES* BR8EIX
	GSI	1998-1997 BR8ES* BR8EIX
	GTI	2003-1996 BR8ES* BR8EIX
	GTS	2001-1997 BR8ES* BR8EIX
	HX	1997-1995 BR8ES* BR8EIX
	SP	1998-1997 BR8ES* BR8EIX
	SPX	1997-1996 BR8ES* BR8EIX
650	GTX	1995-1994 BR8ES* BR8EIX
	SPX	1995-1994 BR8ES* BR8EIX
	XP	1994-1993 BR8ES* BR8EIX
580	SP	1990-1988 BR7ES BR7EIX
	GT	1991-1990 BR7ES BR7EIX
	GTS	1997-1992 BR7ES BR7EIX
	GTX	1993-1992 BR7ES BR7EIX
	SP	1996-1991 BR7ES BR7EIX
	SPI	1997-1993 BR7ES BR7EIX
	SPX	1993 BR7ES BR7EIX
	XP	1993-1991 BR7ES BR7EIX



## NGK IRIDIUM IX SPARK PLUGS

Iridium is significantly stronger than any metal used in spark plugs today. The ignitability and durability is better than platinum. Sold pk/4.

Part No.	
BR8EIX	BKR7EIX-11
BR9EIX	BPR8EIX
BR8HIX	BPR9EIX
CR9EIX	DCPR8EIX

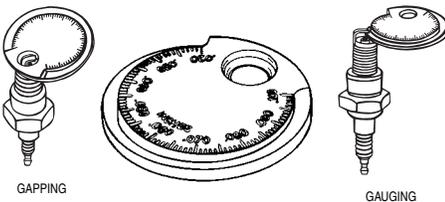
*\*All Iridium plugs are 4 per package.  
\*Iridium plugs are gapped at NGK, if you try to gap the plugs you will damage the center electrode.*



## NGK RACING CABLE

High performance red silicon outer shell for maximum heat resistance and durability. Ceramic resistor (50hm) enhances protection against RFI.

Description	Part No.
90° Resistor cover 100cm, solid	CR6



## STANDARD/HIGH ENERGY SPARK PLUG GAUGE & GAPPER

Gauge and gap all types of spark plugs from .020" to .110 (.50mm to 2.53mm).

Description	Part No.
Spark Plug Gauge and Gapper	LS67870



## NGK SPECIAL SPARK PLUGS FOR 4 STROKE ENGINES

Description	Part No.
K1100 STX-DI, Ultra 130 DI (PK/4)	*PZFR7G-G
Sea Doo GTX-4TEC RXP/RXT/RXP-X/RXT-X (PK/10)	DCPR-8E
Sea Doo GTX-DI, LRV-DI, RX-DI (PK/4)	ZFR4F-11
Yamaha FX 140/160, VX110 (PK/10)	CR9EB
Kaw STX 12F/15F (PK/10)	CR9EK
Kaw Ultra 250/260/300 (PK/4)	PMR9B
Polaris M140, Genesis (PK/4)	PZFR6H
Hydrospace S4 (PK/4)	BKR7EIX-11
Honda 4 Stroke (PK/4)	IMR90-9H
FX SHO, FZR, FZS (PK/10)	LFR6A
Ultra 150 A-1	R6918C-9
Ultra 150 A-2-3	BR9ES



## NIPPON DENSO IRIDIUM SPARK PLUGS

Description	Part No.
Sea Doo GTX-4TEC RXP/RXT/RXP-X/RXT-X (PK/4)	IXU24
Sea Doo GTX-DI, LRV-DI, RX-DI (PK/4)	IK-16
Kaw Ultra 250/260/300 (PK/4)	IU27
Kaw STX-12F/15F (PK/4)	IU27A
Yamaha FX-SHO, FZR, FZS (PK/4)	IKH-20



## SPARK PLUG TOOLS

Description	Part No.
Ratchet Plug Wrench	59-0539



## NGK RESISTOR COVER

Waterproof spark plug resistor covers for use with resistor spark plugs.

Description	Part No.
(5K OHM) 90 "T" 14mm plugs with terminal nut	TB05EM



## MSD SPARK PLUG BOOT RETAINERS

There's no excuse for losing a race due to a plug wire popping off when you run MSD's Boot Retainers. These handy clamps are molded from heat resistant nylon material and will lock the boot to the spark plug.

Description	Part No.
A. Boot Retainers, 90° Spark Plug Boots & Terminal	3340
B. 90° Spark Plug Boots & Terminal Only (2 pcs.)	3311



## MSD 8.5MM SUPER CONDUCTOR SPARK PLUG WIRE

See page 99 for details

Description	Part No.
Two Cylinder Wire Set	31009
One Cylinder Wire Set	31019
Three Cylinder Wire Set	31039
Bulk Wire 25 feet - Red	34019
Bulk Wire 25 feet - Black	34013

# Atlantis

## ATLANTIS FLUSH KITS

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL



**Sea Doo** Part No. **A7001**  
92-98 Fits All with Factory T Fitting



**Sea Doo** Part No. **A7003**  
95-2010 Quick Snap Fits All with Long Rear Factory Drain Pipe



**Sea Doo** Part No. **A7004**  
95-2010 Short Version of Rear Drain Pipe Model & 97 Sportster/Challenger Jet Boat (Single Engine)



**Sea Doo** Part No. **A7006**  
96-2010 All with Rear Factory Drain Pipe



**Yamaha** Part No. **A8588**  
87-98 Long Yamaha All Non-Factory Installed Flush Kits (Except 760/800/1200)



**Yamaha** Part No. **A8589**  
87-98 Long Yamaha All Non-Factory Installed Flush Kits (Except 760/800/1200) Quick Snap Type



**Yamaha** Part No. **A8582**  
95-10 Factory Replacement GP760/1100/1200, Jet Boat & 4 Stroke



**Kawasaki** Part No. **A2628**  
03-10 4-Stroke Easy Way to Flush Your New Kawasaki Jet Ski. Just Screw On the Fitting and Leave It. Attach a Quick Snap Fitting to a Garden Hose and You Are Ready to Flush.



**Kawasaki** Part No. **A2520**  
89-91 Jet Ski, Ultra 150



**Kawasaki** Part No. **A2521**  
92-06 Jet Ski Except ZXI/STX/Ultra 150



**Kawasaki** Part No. **A2522**  
95-04 ZXI, STX, Ultra 130



**A.** Male Quick Snap Adapter Only for Replacement



**Polaris** Part No. **A6000**  
90-04 (Except Direct Injection)



**Polaris** Part No. **A6001**  
01-04 Direct Injection



**Honda** Part No. **A5201**  
08-10 F-15X/15 GPscape



**B.** Universal 3/8" Adapter Only for Replacement

# BLOWSION



## BLOWSION ENGINE FLUSH KITS

A must for salt water riders! All metal construction - easy to use - just push into aftermarket water bypass. No tools, clamps or extra hoses necessary. Back flushes entire cooling system instead of forcing salt and sand into cooling jackets. Simple and effective.

Description	Part No.
A. Blowsion Single Flush Kit	06-04-001
B. Blowsion Triple Flush Kit	06-04-002



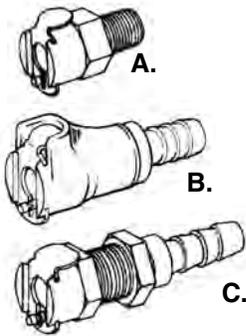
### FLUSH KIT ADAPTER

Flush Kit Adapter for adapting overseas special size hose to connect flush kit. This adapter is a direct to fit to the rear drain line on Sea Doo and Kawasaki 4 stroke watercraft.

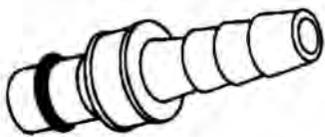
Description	Part No.
Flush Kit Adapter	SC-2905

### QUICK CONNECT

The ultimate in waterline connections, the fittings are fool proof. These fittings are safe for high temperatures and high pressure.



Description	Part No.
Female Fitting	
A. 1/4" Pipe Thread	64-0100
B. 3/8" In Line	64-0103
C. 3/8" Panel Mount	64-0106



Description	Part No.
Male (Barbed) Fitting	64-0107
3/8" With shut off	
3/8" Without shut off	64-0109



Description	Part No.
A. 1/2" Female in line	64-0117
B. 1/2" Male in line	64-0115

### SNAP CONNECT AND FLOW CONTROL

This flush kit includes adapter SC-2905 listed to the left and also includes a quick disconnect that features a on/off water valve to make flushing the watercraft a simple and easy process.

\*The adapter is a direct to fit to the rear drain line on Sea Doo and Kawasaki 4 stroke watercraft.

Description	Part No.
Snap Connect and Flow Control	SC-2900

### BRASS FITTINGS

MNPT = Male National Pipe Thread



Straight Hose Barbed	Part No.
1/8" MNPT Thread 1/4" Hose	64-0001
1/8" MNPT Thread 3/8" Hose	64-0003
1/4" MNPT Thread 1/2" Hose	64-0005



90 Degree	Part No.
1/8" MNPT Pipe thread 3/8" Hose	64-0007
1/4" MNPT Pipe thread 1/2" Hose	64-0009
1/8" MNPT Pipe thread 1/4" Hose	64-0010



45 Degree	Part No.
1/8" MNPT Pipe thread 1/4" Hose	64-0065
1/8" MNPT Pipe thread 3/8" Hose	64-0066
1/4" MNPT Pipe thread 1/2" Hose	64-0067



T-Fitting	Part No.
Primer Fitting 1/8" x 1/8" x 1/8"	64-0015
Primer 1/4" x 1/4" x 1/8"	64-0017
Fuel Line 1/4" x 1/4" x 1/4"	64-0019



### PLASTIC GARDEN HOSE ADAPTER

Description	Part No.
Garden Hose Adapter Cap	64-0029



Barb Connector	Part No.
1/4" I.D. Hose-1/4" I.D. Hose	64-0057
3/8" I.D. Hose-3/8" I.D. Hose	64-0058
1/2" I.D. Hose-1/2" I.D. Hose	64-0059

Garden Hose Adapter	Part No.
3/8" Hose Barb	64-0012



Brass Fitting	Part No.
A. 1/8" MNPT Pipe Threaded Junction	64-0011
B. 1/8" to 1/4" Adapter	64-0013
C. 9mm Yamaha Flush Adapter	64-0004

### PLASTIC FITTINGS



Plastic T Fitting	Part No.
3/8" x 3/8" x 3/8"	64-0025
1/2" x 1/2" x 1/2"	64-0027

Plastic Y Fitting	Part No.
3/8" x 3/8" x 3/8" (white)	64-0045
1/4" x 1/4" x 1/4" (white)	64-0046
1/4" x 1/4" x 1/4" (black)*	64-0047

\*Reinforced with Crossbar

FOUR  
STROKEINTAKE  
SYSTEMSENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGESTEERING  
& CONTROLS

BODY

ACCESSORIES

SERVICE TOOLS  
/HARDWARE

CHEMICAL



## WATER STRAINER

The **Water Strainer** is a must to trap all sand, shell, and vegetation particles.

**No more clogged water lines!!**

Height=2" (51mm)

Footprint= 2-1/2" (64mm) - Round

Description	Part No.
3/4" Water Line Strainer for Sea Doo 4-Stroke	56-9004
1/2" Water Line Strainer	56-9005
3/8" Water Line Strainer	56-9006
#20 Mesh Replacement	20420020
#40 Mesh Replacement (#40 Mesh is finer than #20 Mesh)	20420040



## JET WORKS QUICK DISCONNECT WATER RESTRICTOR

QD-38 comes with 4/3/2mm restrictor inserts used for controlling water flow through exit passes, stinger, head pipes, etc. QD-14 is for use with Mikuni Jets (not included), and allows quick change in small increments of water flow.

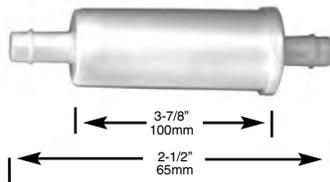
Description	Part No.
A. Quick Disconnect Wtr Restrictor 1/4"	QD-14
B. Quick Disconnect Wtr Restrictor 3/8"	QD-38



## JET WORKS ADJUSTABLE WATER RESTRICTOR

Allows user to adjust flow on any 3/8" ID waterline. A great product for fine tuning engine/exhaust temperature for maximum power.

Description	Part No.
Adjustable Water Restrictor	JWR-01



## FACTORY PIPE CHAMBER WATERLINE FILTER

Description	Part No.
Waterline Inline Filter	COMFTG0036



## RIVA RACING ALUMINUM THRU HULL CONNECTORS

RIVA Racing's aluminum thru hull fittings are anodized to prevent corrosion. Available in 3/8" and 1/2" waterline applications.

Description	Part No.
F. 3/8" Thru Hull Connector	RY1013-TH-3/8
G. 1/2" Thru Hull Connector	RY1013-TH-1/2



## JETWORKS THRU HULL FITTING

Description	Part No.
3/8" Thru Hull Connector	TF38



## GP1300R 1/2" X 1/2" BULKHEAD FITTINGS

The R&D Billet Aluminum Fitting allows for easy installation for extra cooling lines through the bulk head.

Description	Part No.
1/2" x 1/2" Bulkhead Fittings	660-00012



## JET WORKS FLOW CONTROL VALVE

The Flow Control Valve provides improved throttle response and much quicker starts by drying out your waterbox at low rpm and idle speeds. Tests have shown an average acceleration improvement of 10 feet over a non-equipped model in the first 50 feet. The Flow Control Valve allows unrestricted water flow to the Stinger for better top speed. Yet it controls the amount of water at low speeds for better response. It also allows for an easier tuning of the Carburetors. It does not interfere with normal engine or exhaust pipe cooling and is compatible with all electronic water injection systems. Race Legal for All Classes. Two Models are available. Both are adjustable. The Standard Flow Control Valve is preset at 3.5 p.s.i. and is adjusted by adding the supplied stainless steel shims to increase the spring tension. The Pro-Series is externally adjustable by turning the outer housing by hand. Pressure can be tested with pop off gauge. All PWC w/OEM or aftermarket exhaust systems (except Yamaha's w/OEM exhaust)

Description	Part No.
C. Standard Flow Control Valve 3/8"	52-3118
D. Pro Flow Control Valve 3/8"	52-3119
E. Pro Flow Control Valve 1/4"	52-3122



OMAR ABDULLA  
XBJ RACING TEAM, DUBAI, UAE  
DECEMBER 2011  
KING'S CUP IN THAILAND



## 90° BYPASS FITTING

Water bypass fittings increase engine performance by diverting water from the cylinder head to the bypass fitting, rather than forcing all of the water thru the exhaust system, thus drying out the exhaust. These machined bypass fittings are angled at 90 degrees.

Description	Hose	Part No.
A. Silver	3/8"	56-2010
B. Black	3/8"	56-2012
C. Silver	1/2"	5085-POL
D. Black	1/2"	5085-BLK
E. Silver	1/2"	COMFTG0115



## 45° BYPASS FITTING

Water bypass fittings increase engine performance by diverting water from the cylinder head to the bypass fitting, rather than forcing all of the water thru the exhaust system, thus drying out the exhaust. These machined bypass fittings are angled at 45 degrees.

Description	Hose	Part No.
F. Silver	3/8"	56-2020
G. Black	3/8"	56-2028
H. Silver	1/2"	J5087
I. Black	1/2"	J5088



## STAINLESS STEEL HOSE CLAMPS

Description	Part No.
#5 Clamps (for 3/8" waterline)	WF62M05
#6 Clamps (for 1/2" waterline)	WF62606



## RRP WATER FITTINGS

These specially developed RRP Water Fittings are manufactured from Black Delron. The fittings are the lightest available, and being made of Delron they will not fuse together like other aluminum fittings available.

Description	Part No.
J. 45° Bypass Fitting 3/8"	PL-3/8-OUT
K. 45° Bypass Fitting 1/2"	PL-1/28-OUT
L. 45° Bilge Fitting 3/4"	PL-45-BILGE

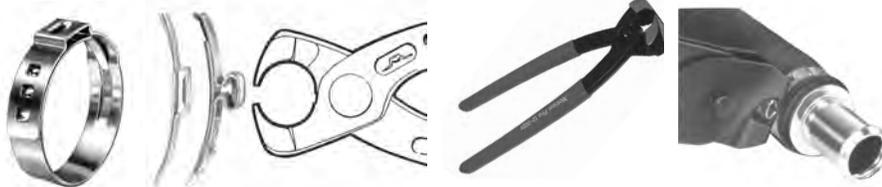


## WATER LINE HOSE

Flex-Tech multi purpose hose is more flexible and bendable for those complicated water routing requirements. This waterline is highly recommended for Factory Dry Pipe installations. Waterline is sold per foot.

Description	Part No.
3/8" ID 300psi WP	56-8010

## Fast, Easy, Strong and Secure Installation



## SQUEEZE ON STAINLESS STEEL LOW PROFILE CLAMPS

Oetiker Stepless Ear Clamps, due to the reinforcing 'dimple' in the ear, hold against pressure and vibration or hose shrinkage due to temperature changes. A built-in spring action permits the clamp to "breathe" without loosening, the need to retighten is eliminated. Once installed, any tampering is easily visible, making this an excellent clamp for service or security applications.

Description	Clamp Size	Part No.
Pincer Tool	--	12-0024
Clamp for 1/4" Hose (10 pcs/pk)	--	59-4014
Clamp for 1/4" Fuel Injection Hose (10 pcs/pk)	9/16	59-4016
Clamp for 3/8" Water Line (10 pcs/pk)	11/16	59-4017
Clamp for 1/2" Water Line (10 pcs/pk)	13/16	59-4018

100 Clamp Packs	Clamp Size	Part No.
Clamp for 1/4" Fuel Line Hose (100 pcs/pk)	--	59-4014-100
Clamp for 1/4" Fuel Injection Hose (100 pcs/pk)	9/16	59-4016-100
Clamp for 3/8" Water Line (100 pcs/pk)	11/16	59-4017-100
Clamp for 1/2" Water Line (100 pcs/pk)	13/16	59-4018-100



## WATER LINE HOSE

Description	Part No.
3/8" ID Blue 300psi WP (Eaton Synflex)	56-8000
1/2" ID Blue 250psi WP (Goodyear Pliovic Plus)	56-8004
3/8" Clear Vinyl	56-8007

500 foot reel 3/8" blue hose available and 400 foot reel 1/2" blue hose available  
Call for special pricing on reel purchases.

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES SERVICE TOOLS /HARDWARE  
CHEMICAL

### RULE BILGE PUMP



A.



B.



Description	Hose	Height	Part No.
A. 500 GPH	3/4"	3-1/2" (89mm)	25D
B. 800 GPH	3/4"	3-3/4" (96mm)	20R

Description	Hose	Height	Part No.
1100 GPH	1-1/8"	4-1/4" (108mm)	27D



### PWC AUTOMATIC 500 GPH PUMP

Automatically removes water from engine compartment. Cycles every 20 seconds to check for water. Equipped with gasoline resistant strainer base and 72" wire leads.

Description	Height	Part No.
500 GPH	4" (102mm)	25S-6WC



### ATTWOOD SAHARA AUTOMATIC BILGE PUMP

#### ALL-IN-ONE-PUMP

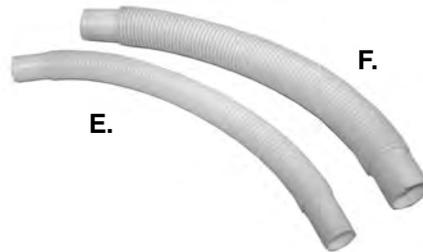
- Fast, Easy Installation
- High-Efficiency Motor
- Dependable Internal Float Switch (contains no mercury)

Description	Hose	Height	Part No.
500 GPH	3/4"	4" (102mm)	4505-7
750 GPH	3/4"	4" (102mm)	4507-7
1100 GPH	1-1/8"	4" (102mm)	4511-7



### RULE STRAINER BASE & S/S DEBRIS STRAINER

Description	Part No.
C. Blue Plastic Strainer Base	Rule 275
C. Gas Resistant Strainer Base	Rule 276
D. Stainless Steel Debris Strainer	Rule 70



### PLASTIC HOSES AND FITTINGS

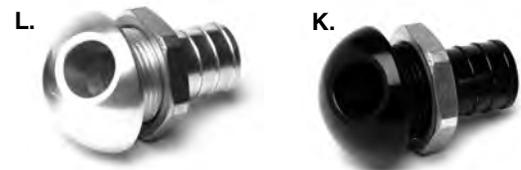
Description	Part No.
E. 3/4" Hose 12" Length	57-4008
F. 1-1/8" Hose 12" Length	57-4009



### STRAIGHT BILGE FITTING

Aluminum through hull outlet fittings.

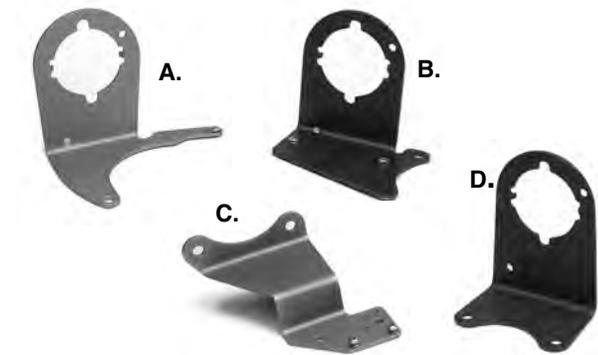
Description	Color	Part No.
G. 3/4"	Silver	57-4012
H. 3/4"	Black	57-4015
I. 1-1/8"	Silver	57-4018
J. 1-1/8"	Black	57-4020



### 45 DEGREE BILGE FITTING

Description	Color	Part No.
K. 3/4"	Silver	57-4021
L. 3/4"	Black	57-4023

# BILGE PUMP MOUNTING BRACKETS



<b>Yamaha</b>	<b>Part No.</b>
A. WaveBlaster/701 Super Jet 95+	57-3029

<b>Kawasaki</b>	<b>Part No.</b>
B. 440/550	57-3023
C. 650SX/X2, 550SX, 750SX, SXI	57-3024
D. 750SS/XI/ST/STS	57-3025



## DUAL BILGE PUMP MOUNTING BRACKET

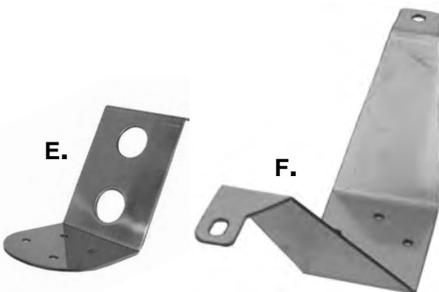


## SX-R 800 RULE BILGE PUMP MOUNTING BRACKET

The R&D Bilge Pump Mount Bracket bolts securely to the hull developing a secure surface to hold the Bilge pump in place.

<b>Description</b>	<b>Part No.</b>
Kawasaki 800SX-R	06-01-101
Superjet 96+	06-01-153

<b>Kawasaki</b>	<b>Part No.</b>
800SX-R	660-80000



## SE BILGE PUMP BRACKET

<b>Sea Doo</b>	<b>Part No.</b>
E. SPX	SE-044014

<b>Polaris</b>	<b>Part No.</b>
F. Polaris -98	SE-044011



## BILGE ELECTRICAL PARTS KIT

Kit contains waterproof fuse holder, 6amp fuse, ring terminal shrink tubing.

<b>Description</b>	<b>Part No.</b>
Bilge Electrical Parts Kit	57-3030



## JAPANESE OEM STYLE CONNECTOR

<b>Description</b>	<b>Part No.</b>
OEM Style Electric Connector Kit 5pcs/pk	55-2035
Dealer Kit 20pcs/pk	55-2037



## ADHESIVE LINED HEAT SHRINK BUTT CONNECTORS

Best used where moisture and corrosion is a problem. After crimping these terminals to wire, heat is applied enabling the adhesive within each shrunk tube terminal to melt and flow evenly to seal the connection against the harshest environment.

<b>Description</b>	<b>Wire Range</b>	<b>Part No.</b>
10pcs/pk Pink	22-18 (0.3-0.8mm)	55-2040
100pcs/pk Pink	22-18 (0.3-0.8mm)	55-2041
10pcs/pk Blue	16-14 (1-2mm)	55-2042
100pcs/pk Blue	16-14 (1-2mm)	55-2043



## MALE/FEMALE TERMINAL KIT

This kit includes 30 of both the male and female terminals and plastic sleeves/covers. The terminals are tin plated to prevent corrosion. The terminal kit is provided in a handy plastic case.

<b>Description</b>	<b>Part No.</b>
Male/Female Terminal Kit	16-601

FOUR STROKE	INTAKE SYSTEMS	ENGINE/GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES	SERVICE TOOLS /HARDWARE	CHEMICAL
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# WATERPROOF SWITCHES AND BRACKETS

- Features waterproof on/off switch that is available with machined aluminum clamp-on or switch mounted bracket. Allows totally reliable and easy control of bilge pump operation.
- Mounting bracket is machined from billet alloy and is anodized black to prevent corrosion. Available for clamp-on bar mounting or bolts to the bottom of the OEM on/off switch assembly.
- All of the switches have a 9 ft. high grade wire lead.



**Yamaha** Part No. 57-3017  
All



**UNIVERSAL**

**Description** Part No.  
Universal Handle Bar Mount 57-3006



**Kawasaki** Part No. 57-3015  
All 650's / 750SS-95 / XI-93



**Kawasaki** Part No. 57-3003  
440 / 550 / 750SX  
750SXI / 800SX-R



**Description** Part No.  
Standard Switch with 9 feet of wire (No bracket included) 57-3009

## Hot Products PWC Waterproof Switches Imported Exclusively from



JP7043/JP7044 can be installed with Hot Products Throttle Lever 58-0970 & 58-0971 as pictured above.



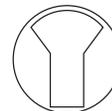
**HOT PRODUCTS EXCLUSIVE**

### 3-POSITION PANEL MOUNT ROTARY SWITCHES

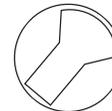
Connects to two electronic accessories for power control. Allows the operation of one or both accessories to run at the same time. Suggested uses: Second Bilge, Ignition, etc. 12Volt/5Amp.



**Left Hand On Position**  
Use: Blue & Red Wires



**Center Off Position**



**Right Hand On Position**  
Use: White & Red Wires



**JP7043**

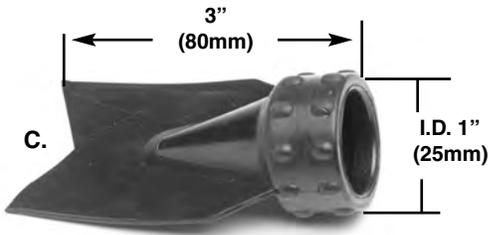


**JP7044**

### UNIVERSAL HANDLEBAR MOUNT SWITCHES

Mounts to handlebar or mounts to underside of most aftermarket throttle levers. Complete with 9" wire lead.

Description	Part No.	Description	Part No.	Description	Part No.
Handlebar Mount Switch 12Volt/6Amp push on/off switch	JP7043	Handlebar Mount Switch 12Volt/5Amp 3 way rotary switch	JP7044	Panel Mount Switch	57-3020



## DUCK BILL DRAIN SYSTEM

Simple and clean, drains water from hull under acceleration.  
**A.** Add to your current drain plug or **B.** Purchase entire system kit.

Description	Part No.
<b>A.</b> All SeaDoo (Except XP) All Sit down Yamaha / Kawasaki*	57-4050
<b>B.</b> Universal (Complete System)	57-4060
<b>C.</b> Duck Bill Flapper only	57-4055

\*Kawasaki models require slight modification



## DUCK BILL DRAIN ADAPTER PLUG

Unscrew stock drain plug and screw our duck bill drain plugs in place. Keep your stock plug if you ever need to change!

Description	Part No.
<b>A.</b> Kawasaki	Z471
<b>B.</b> Yamaha	Z472



## DRAIN PLUG

The replacement drain plug at a fraction of manufacturer's prices. Our floating drain plug is oil and fuel resistant. Just flip or twist to install.

Description	Part No.
Sea Doo (95 and newer), Polaris, and Honda	A2265



## BILLET QUICK DRAIN FOR KAWASAKI

Mounts to the transom of your Kawasaki 1200 STX-R or SX-R 800 watercraft with billet aluminum mounting plate.

Kawasaki	Part No.
1200 STX-R, 800 SX-R	57-4065



## UNIVERSAL BILLET QUICK DRAIN

Mounts to the transom of any watercraft with billet aluminum mounting plate.

Description	Part No.
Billet Quick Drain Kit	57-4059



## RICK ROY PRODUCTS SCUPPER VALVE

Description	Part No.
RRP Scupper Valve	RRP-SCU-V



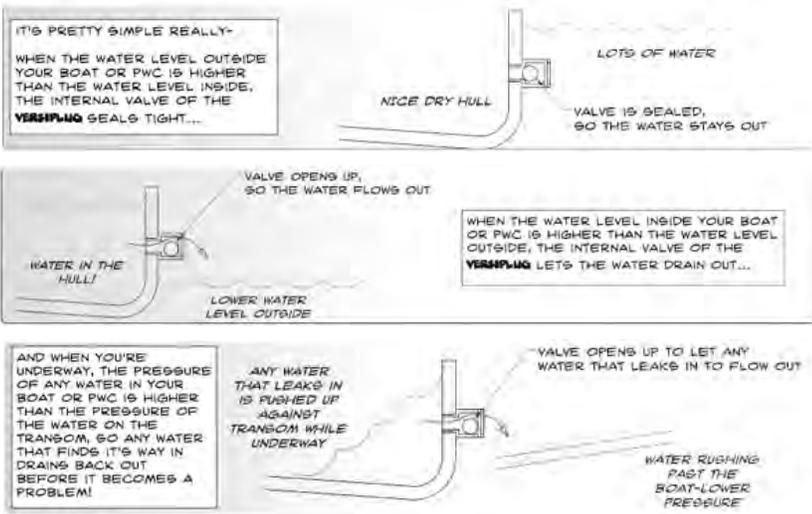
## BILGE SPONGE

This Viscose-Covered sponge will pick-up and hold an amazing 32 ounces (512gm) of water without leaking. With grommet and hand cord.

Description	Part No.
Bilge Sponge	57-4070

FOUR STROKE	INTAKE SYSTEMS	ENGINE/GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES	SERVICE TOOLS /HARDWARE	CHEMICAL
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FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL



## VERSIPLUG DRAIN SYSTEM

Versiplug is available in three options:

- 1. Versiplug** (The original) fits Yamaha, Kawasaki, Sea Doo, Honda and polaris.
- 2. Versiplug-R** - Developed for the serious PWC enthusiast and racers. Higher flowing and lighter weight than the original Versiplug
- 3. Versiplug Max** - The rugged solution for leaky flap scuppers. Created for freestyle to create a reliable fix to scupper setups that had leaking issues when not moving.

## VERSIPLUG



## VERSIPLUG-R



Description	Color	Part No.
Versiplug Original - Yamaha	Silver	PD1200
Versiplug Original - Yamaha	Black	PD1201
Versiplug Original - Kawasaki	Silver	PD1300
Versiplug Original - Kawasaki	Black	PD1301
Versiplug Original - SeaDoo/Honda/Polaris	Silver	PD1400
Versiplug Original - SeaDoo/Honda/Polaris	Black	PD1401
Versiplug Original - Hydrospace	Silver	PD1150
Versiplug Original - Hydrospace	Black	PD1151

Description	Part No.
Versiplug-R - Silver	PD1500
Versiplug-R - Black	PD1600

## VERSIPLUG-MAX!



Description	Color	Part No.
Versiplug Max	Black	PD1701

## BLOWSION GAS BILLET ALUMINUM ONE WAY VALVE SCUPPER

The new CAS flow valve design prevents water getting in during tail stands, wave jumping, or all out buoy shredding. The new billet flange assembly is the premium design setup and allows use of the Blowision billet exhaust outlet so vain riders can sanitize both sides of the rear of their watercraft. The aluminum, rubber, and injection molded construction of the Blowision one-way valve assembly along w/ the recessed internal mounting results in a bulletproof set-up. **Fits all years Super Jet, Kawasaki 650, 750, 800 SXR and Polaris Octane.** Each pre-assembled kit includes explicitly detailed instructions, two Blowision molded glue able urethane bulkhead and ski flanges for leak less sealing, recessed one-way flow valve, special flex tubing (allows for off center mounting unlike straight PVC tube scupper systems) mounting epoxy and stainless fasteners.

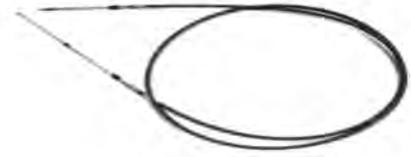
Description	Part No.
Blowision CAS Aluminum One Way Valve Scupper	06-01-022

## BLOWSION ONE WAY VALVE

Unlike scupper valves that mount on the exposed exterior of your ski, Blowision one way valve kits install "into" the rear 1/4 of your PWC end caps. This keeps continual water pressure on the inside of the tube, keeping the valve shut when the ski is floating.

Description	Part No.
800 SX-R	06-01-025
Super Jet, Kawasaki 750, Polaris Octane	06-01-021
Pro Finish Kit	06-01-028

# WSM REPLACEMENT STEERING CABLES



MODEL	YEAR	OE NO.	PART NO.
<b>SEA DOO</b>			
580 GT	90-91	277-000-152	002-045
580 GTS	92	277-000-152	002-045
580 GTS	93	277-000-229	002-045
580 GTS	94	277-000-261	002-045-01
580 GTS	95-96	271-000-436	002-045-02
580 GTX	92	277-000-152	002-045
580 GTX	93	277-000-229	002-045
580 SP	92	277-000-151	002-045-06
580 SP	89-91	277-000-228	002-046
580 SP	94-96	277-000-289	002-048-01
580 SPI	93	277-000-228	002-046
580 SPI	94-96	277-000-289	002-048-01
580 SPX	93	277-000-228	002-046
580 XP	91	277-000-228	002-046
580 XP	92	277-000-151	002-045-06
650 GTX	94	277-000-261	002-045-01
650 GTX	95	271-000-436	002-045-02
650 SPX	94-95	277-000-289	002-048-01
650 XP	93	277-000-267	002-048-02
650 XP	94	277-000-289	002-048-01
650 XPI	94	277-000-289	002-048-01
720 GS	97-01	271-000-436	002-045-02
720 GSI	97	271-000-436	002-045-02
720 GTI	96	271-000-436	002-045-02
720 GTI	97-00	277-000-526	002-048-06
720 GTI	01-04	277-001-010	002-045-08
720 GTI LE	02-04	277-001-010	002-045-08
720 GTS	97-00	271-000-436	002-045-02
720 GTS	2001	277-001-010	002-045-08
720 HX	95-97	277-000-051	002-045-03
720 SP	97	277-000-289	002-048-01
720 SPX	96-97	277-000-289	002-048-01
720 XP	95	277-000-467	002-048-03
800 GSX	96-97	271-000-436	002-045-02
800 GSX RFI	99	271-000-841	002-046-02
800 GSX RFI	2000	277-000-841	002-046-02
800 GTI RFI	2004	277-001-010	002-045-08
800 GTI LE RFI	03-04	277-001-010	002-045-08
800 GTX	96-97	277-000-526	002-045-06
800 GTX RFI	98	277-000-769	N/A
800 GTX RFI	99-00	277-000-842	002-046-03
800 GTX RFI	01-02	277-001-009	N/A
800 SPX	98-99	277-000-289	002-048-01
951 GSX LTD	98	271-000-436	002-045-02
951 GSX LTD	99	271-000-841	N/A
951 GTX LTD	98	277-000-526	002-045-06
951 GTX	2000	277-000-843	002-046-04
951 GTX	01-02	277-001-010	002-045-08
951 GTX DI	2000	277-000-842	002-046-03
951 GTX DI	02-03	277-000-949	002-046-05
951 GTX DI	2001	277-001-009	N/A
951 GTX LTD	99	277-000-843	002-046-04
951 RX	01-02	277-001-011	002-045-05
951 RX	2000	277-001-841	002-046-02
951 RX DI	2000	277-000-841	002-046-02
951 RX DI	01-03	277-001-011	002-045-05
951 RX X	2001	289-100-070	N/A
951 XP	2000	277-000-889	N/A
951 XP	01-02	277-001-008	002-045-04
951 XP DI	03-04	277-001-008	002-045-04
951 XP LTD	98-99	277-000-773	002-046-01
4-TEC GTX	02-04	277-000-949	002-046-05
4-TEC GTX LTD SC	03-04	277-000-949	002-046-05
4-TEC GTX SC	03-04	277-000-949	002-046-05
4-TEC GTX WAKE BOARD	03-04	277-000-949	002-046-05

## KAWASAKI

300 SX	86-88	59406-3001	002-069
400 SX	76-79	59406-3001	002-069
440 SX	77-92	59406-3001	002-069
550 SX	82-95	59406-3001	002-069
650 SC	91-95	59406-3724	002-074-03
650 SX	87-90	59406-3705	002-074
650 SX	91-93	59406-3720	002-043
650 TS	89-96	59406-3714	002-040
650 X2	88-95	59406-3711	002-074-01

## KAWASAKI CONTINUED...

MODEL	YEAR	OE NO.	PART NO.
650 X2	88-95	59406-3712	002-073
650 X2	86-87	59406-3723	002-070
750 SS	92-97	59406-3728	002-044-01
750 SSXI	93-97	59406-3732	002-044
750 ST	94-95	59406-3729	N/A
750 STS	95-97	59406-3736	002-042-01
750 STX	98	59406-3736	002-042-01
750 SX	92-95	59406-3726	002-041
750 SXI	95-96	59406-3726	002-041
750 SXI PRO	98-02	59406-3726	002-041
750 XI	98-99	59406-3728	002-044-01
750 XIR	94	59406-3738	N/A
750 ZXI	95	59406-3746	002-042-02
800 SX-R	03-06	59406-3776	N/A
900 STS	01-02	59406-3748	002-042-03
900 STX	97-98	59406-3736	002-042-01
900 STX	99-02	59406-3748	002-042-03
900 STX	03-06	59406-3778	002-040-02
900 ZXI	95	59406-3746	002-042-02
1100 STX	97-99	59406-3748	002-042-03
1100 STX D.I.	00-02	59406-3748	002-042-03
1100 STX D.I.	2003	59406-3778	002-040-02
1100 ULTRA 130	01-04	59406-3771	002-042-04
1100 ZXI	96-03	59406-3757	002-040-01
1200 STX	03-04	59406-3778	002-040-02
1200 STX-F	05-06	59406-3778	002-040-02
1200 STX-R	02-03	59406-3748	002-042-03
1200 STX-R	04-05	59406-3778	002-040-02
1200 ULTRA 150	99-05	594063-3771	002-042-04
1500 STX-F	04-06	59406-3778	002-040-02

## YAMAHA

500 LX	93	EU0-U1481-00	002-051
500 WAVE JAMMER	89-90	EW3-61481-02	002-050
500 WAVE RUNNER	89, 92-93	EU0-U1481-00	002-051
650 SUPER JET	90-93	EW2-61481-00	002-059
650 WAVE RUNNER III	90-96	FJ0-61481-00	002-049
650 WAVE RUNNER VXR	91-95	FN8-U1481-00	002-042
701 FX	94-95	FX1-61481-00	N/A
701 RAIDER	94	GH1-61481-02	002-059-01
701 RAIDER	95-97	GH6-U1481-00	002-051-04
701 SUPER JET	94	EW2-61481-00	002-059
701 SUPER JET	95	EW2-U1481-00	N/A
701 SUPER JET	96-04	GM6-61481-00	002-059-03
701 VXR PRO	93-94	FN8-U1481-00	002-042
701 WAVE VENTURE	98	GP3-61480-00	N/A
701 WAVEBLASTER	93-96	GA7-61481-00	002-058
701 WAVE RUNNER III	97	FJ0-61481-00	002-049
701 WV	95-96	GJ3-U1481-00	002-059-02
701 XL	99-01	GU2-U1481-10	002-059-05
760 GP	99-00	GP7-U1481-00	002-051-05
760 RAIDER	96	GH6-U1481-00	002-051-04
760 WAVEBLASTER	96	GK5-61480-00	N/A
760 WAVE RUNNER	97-98	GP7-U1481-00	002-051-05
760 WAVE VENTURE	97	GP3-61480-00	N/A
760 XL	99	GU2-U1481-01	002-059-05
800 GP	98-00	GP7-U1481-00	002-051-05
800 GP	01-02	F0X-U1481-00	002-051-02
800 GP	2003	F0X-U1481-10	002-051-02
800 GP	2004	F0W-61481-01	N/A
800 XA	2004	F0D-U1481-10	002-051-01
800 XL	02-04	F0D-U1481-10	002-051-01
1000 FX/HIGH OUTPUT	2004	F1B-61481-02	N/A
1100 RAIDER	95-96	GJ1-U1481-00	002-058-01
1100 WAVE VENTURE	96-97	GH3-61480-00	002-051-03
1200 GP	97-99	GP8-U1481-00	002-059-04
1200 GP	00-02	F0X-U1481-00	002-051-02
1200 XA	2004	F0D-U1481-10	002-051-01
1200 XL	98	GU2-U1481-10	002-059-05
1200 XLT	03-04	F0D-U1481-10	002-051-01
1300 GP R	2004	F1G-61481-02	N/A
1400 FX	02-03	F1B-61481-01	N/A

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
& CONTROLS  
STEERING  
BODY  
ACCESSORIES  
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/HARDWARE  
CHEMICAL



**FOR MORE INFORMATION AND COLOR IMAGES ON THESE ITEMS SEE PAGES 84-88**

### RRP CAST ADJUSTABLE HANDLE POLE

Description	Part No.
Kaw & Yam 96+ Octane Cast Pole-Black	HP-YAM/KAW-CAST
RICKTER FS/FR 1&2 -Black (28" tube)	HP-RICKTER-CAST
Hydro-Space Handle Pole	HP-HY-SP

### RRP BILLET ADJUSTABLE HANDLE POLE

Description	Part No.
Kaw & Yam 96+ Billet Pole-Black	HP-YAM/KAW-BLT-BLACK
Kaw & Yam 96+ Billet Pole-Red	HP-YAM/KAW-BLT-RED
Kaw & Yam 96+ Billet Pole-Silver	HP-YAM/KAW-BLT-SILVER
RICKTER Billet Pole-Black	HP-RICKTER-BLACK
RICKTER Billet Pole-Red	HP-RICKTER-RED
RICKTER Billet Pole-Silver	HP-RICKTER-SILVER

### RRP BILLET HANDLEPOLE BRACKETS

Description	Part No.
Kawasaki 800 SXR 2 Hole-Black*	BR-KAW-2H-BLACK
Yamaha SuperJet 96+ 2 Holes Low-Black*	BR-YAM-L-2H

\*Includes RRP Highflow Breather Air Tube

### RRP HANDLEPOLE BUSHINGS

Description	Part No.
RRP Yam Cast Handlepole Bushing	BU-YAM
RRP Kaw Cast Handlepole Bushing	BU-KAW

Description	Part No.
RRP Yam Billet Handlepole Bushing	BU-BILLET-YAM
RRP Kaw Billet Handlepole Bushing	BU-BILLET-KAW

### RRP LIGHTWEIGHT ALUMINUM PIVOT BOLT

Description	Part No.
RRP Lightweight Aluminum Pivot Bolt	AL-PIV-BLT-YAM

### RRP HANDLEPOLE SPACERS

Description	Part No.
RRP Cast Handlepole Spacer (Silver)	AL-BP-SPC
RRP Billet Handlepole Spacer (Red)	AL-BP-SPC-B

### RRP POLE SPRING STIFFENER & AIR TUBE

Description	Part No.
RRP Yamaha Pole Spring Stiffener	SP-BL-YAM
RRP Kawasaki Pole Spring Stiffener	SP-BL-KAW
High Flow Breather Air Tube 2.5" OD x 24" length*	FL-HO-24

\*Flex hose only. Sold individually.

### RRP PRECISION TURN PLATE

Description	Part No.
RRP -1" Precision Turn Plate	TRN-PLT-UNIV
RRP Straight Bars (22.2mm clamping surface)	ST-B

### RRP 2012 CARBON CHIN PADS

Description	Part No.
A. RRP Rickter Carbon Chin Pad Carbon Fiber with Red Rickter Stripe	RRP-RICKTER-RED
B. RRP Rickter Carbon Chin Pad White with Red Rickter Stripe	RRP-RICKTER-WHITE
C. RRP Carbon Chin Pad Carbon Fiber with White Stripe	RRP-CHIN-PAD-WHITE/RED
D. RRP Carbon Chin Pad Carbon Fiber with Green Stripe	RRP-CHIN-PAD-GREEN
E. RRP XFR Carbon Chin Pad Carbon Fiber with Red XFS/XFR Stripe	RRP-PAD-XFS-RED
F. RRP XFS Carbon Chin Pad White with Red XFS/XFR Stripe	RRP-PAD-FXS-WHITE

### BLOWSION CARBON CHIN PAD

Description	Part No.
Blowsion Black/Black	04-01-202

### PRO WATERCRAFT CHIN PADS

Description	Part No.
Slasher Pad for the RRP Handle Pole	PW-01-100
Chin Pad for the Hydrospace OEM Handle Pole	PW-02-100

### RRP CHIN PAD SUPPORT & STEERING STOP

Yamaha OEM Chin Pad	Part No.
RRP Chin Pad Support and Steering Stop - Black	ST-STOP-BL

RRP Chin Pad (10mm Shorter Unit for RRP Chin Pad)	Part No.
RRP Chin Pad Support and Steering Stop - Black	ST-STOP-BL-10
RRP Chin Pad Support and Steering Stop - Red	ST-STOP-RD-10

### RRP AST STEERING SYSTEM FOR 28.6MM FAT BARS

Description	Part No.
RRP AST "Fat" Bar Steering System	STR-SYS-UNIV-F
AST Protective Pad Red	AST-PAD-RED
AST Protective Pad Green	AST-PAD-GREEN

### RRP "FAT" PERFORMANCE HANDLEBARS

Description	Part No.
RRP Straight Fat (28.6) Bars	ST-B-F
RRP 50mm Fat (28.6) Bars*	50-B-F
RRP 75mm Fat (28.6) Bars*	75-B-F

### RRP HANDLEBAR EXTENDERS

Description	Part No.
RRP Handlebar Extenders	BAR-END-EX

### RRP UNIVERSAL STEERING SYSTEM

Description	Part No.
RRP Universal Steering System	STR-SYST-UNIV
RRP Bearing and O-ring Kit	SS-B
RRP O-Ring Repair Kit	SS-O

### RRP SHORT BASE CLAMP

Description	Part No.
RRP Shortened Base Clamp for RRP 50 & 75 bars	SHT-BASE-CLIP-BLK
RRP Shortened Base Clamp for RRP 50 & 75 bars	SHT-BASE-CLIP-RED



PIERRE MAIXENT  
MX100 FACTORY, FRANCE  
IFWA FREERIDE WORLD CHAMPION  
PHOTO CREDIT OF YUSUKE IMAIZUMI

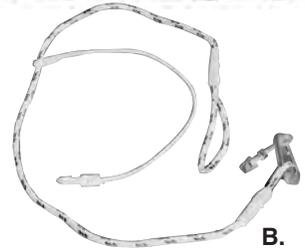
**UMI** Racing USA  
...For The Uncommon™



A.  
UMI



**BLEWSION**



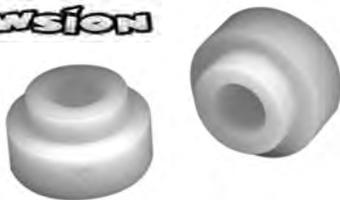
B.  
BLOWSION

## HANDLE POLE EXTENSION LIMITING ROPE

This pole limiting rope is to STOP pole from extending appx. 2-3" from total max extension. This prevents the forward motion of the pole. Fits all stand up Yamaha Super Jet, Polaris Octane, Kawasaki SXR 800, 750 SX & all JS models. A must for ocean or big wave riders

Description	Part No.
A. UMI Limiting Rope Kit	YA-09100
B. Blowsion Limiting Rope Kit	03-04-151

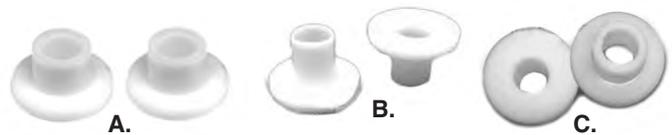
**BLEWSION**



## SXR PIVOT BOLT BUSHING FOR OEM BRACKET

UMI Handle Pole conversion for OEM SX-R bracket or AC Handlepole conversion for OEM SX-R Bracket.

Kawasaki SX-R	Part No.
For UMI Handlepole	03-04-101
For AC Handlepole	03-04-102



## OEM HANDLEPOLE REPAIR/REPLACEMENT BUSHINGS

Bushings are sold in sets of two.

Description	Part No.
A. OEM Kawasaki 440/550/550SX/650SX Handlepole*	31-660115
<i>* These are oversized bushings and pivot bolt holes must be enlarged to fit bushings.</i>	
B. OEM Kawasaki 750/800 Handlepole	03-04-103
C. Yamaha SuperJet (96+) Handlepole	03-04-104
C. Yamaha UMI Handlepole with OEM SuperJet Pole Bracket	03-04-104

**BLEWSION**



## SXR STEERING CABLE EXTENSION BRACKET

SXR handle poles can be converted to a UMI handle pole by using the Blowsion steering cable extension adaptor. There is no cutting of the OEM cable required ! Kit includes all mounting hardware and detailed install instructions.

Kawasaki SX-R	Part No.
Steering Cable Extension Bracket	03-04-140

**BLEWSION**

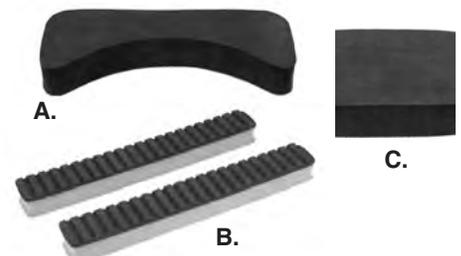


## SXR BILLET HOOD BUMPER

Direct replacement for OEM bumper. Includes pre-cut foam and hardware. For Kawasaki 800SXR/750SXI.

Description	Part No.
Hood Bumper Clear	04-04-201
Hood Bumper Green	04-04-202
Hood Bumper Red	04-04-203

**HYDRO-TURF**



## POLE SHOCK PADS

Protects engine hood from damage when handlepole is dropped. Color: Black only

Description	Part No.
A. Kaw 750SX/SXI/800SXR (1)	TS401
B. Kaw JS440/550/550SX (2)	TS411
C. Yamaha Super Jet (1)	TS421

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
& CONTROLS  
STEERING  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL



Mounting System

**UMI RACING SEALED BEARING POWER TURN PLATE STEERING SYSTEM**

Description	Part No.
SuperJet/Kawasaki 800SXR* Mounting System	<b>JS-04103</b>
<i>This Steering System does not fit on a Kawasaki OEM Handle Pole.</i>	



Replacement Bearing Kit

SJ 96+ Handlebar Pad Cover

Description	Part No.
A. Set of Clamps (silver) *Bolts not included.	<b>58-8970</b>
B. Super Jet 96+ Handlebar pad cover	<b>YA-04109</b>
C. Replacement Bearing Kit	<b>58-8434</b>
D. Handlebar Clamp Bolt Kit (8x20 Socket Flat Head) 4 bolts per kit	<b>59-9129</b>



Yamaha Superjet



Kawasaki 800 SXR

**UMI RACING TURN PLATE**

Description	Part No.
E. Yamaha Super Jet Turn Plate	<b>YA-04104-CLR</b>
F. Kawasaki 800SXR Turn Plate*	<b>JS-04105-CLR</b>

\* Kawasaki 800SXR Applications: The UMI Racing Sealed Bearing Power Turn Plate Steering System and turn plate only fits aftermarket Handle Poles.  
*The UMI Steering System does not fit on a Kawasaki OEM Handle Pole.*



**-1" TURN PLATE**

Moves the normal rider position forward approximately 1 inch. Helps to reduce hull porpoising and dramatically improves handling. Fits both Yamaha SJ and Kawasaki 800SX-R applications.

Description	Part No.
Blowsion -1" Turn Plate*	<b>03-05-043</b>



**BLOWSION PHAT CLAMP**

Constructed of 6061 Aluminum and carbon grey anodized, this ultra trick clamp allows rider to move even further forward in the tray.

Allows rider to retrofit Blowsion, UMI and many other steering system turn plates on the market to run the Blowsion Straight (03-05-145) and V Riser (03-05-146) Phat Bars.

Developed in conjunction with Blowsion Professional Freeriders, Ross Champion and Pierre Maixent.

Description	Part No.
Blowsion Phat Clamp	<b>03-05-018</b>



**BLOWSION BILLET STEERING SYSTEM SEALED BEARING WITH KROK LOCK NUT**

Description	Part No.
Blowsion Billet Steering System - Yamaha SJ, Kawasaki Conversion, Octane	<b>03-05-001</b>
Blowsion Krok Collar	<b>03-05-019</b>



## BLOWSION STEERING STOP

Blowson stainless Steering Stop and nut. Updated design allows for two mounting positions for riders wanting more steering throw. Fits all OEM, UMI, Factory Yamaha, RRP and AC aluminum Handlepoles.

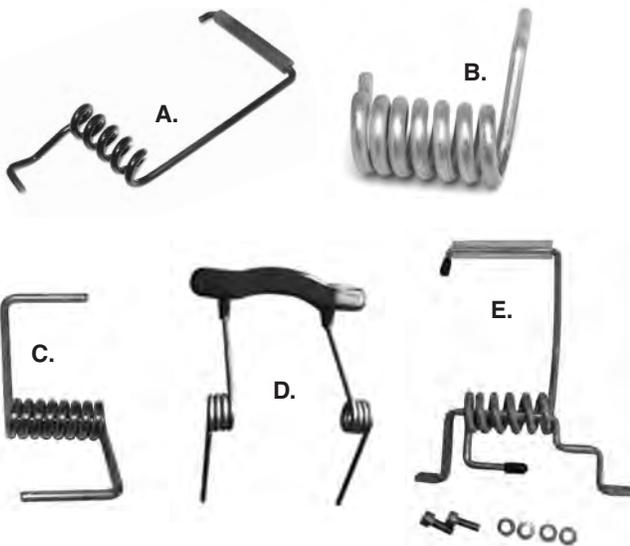
Description	Part No.
Blowson Steering Stop with Nut	03-04-131



## BNJ BEARING STEERING SYSTEM FOR SXR/ZR

Designed by BNJ (Team BNJ Racing in Belgium) with European Women Class Champion, YUKI KURAHASHI. This bearing steering system makes precise turn of Kawasaki 800SXR or Zapata Racing FZ. Kit includes Handle Bar. Black anodized finish to prevent corrosion.

Description	Part No.
BNJ Bearing Steering System for SXR/ZR	BNJ-SXR



## HANDLE POLE SPRINGS

Greatly reduces weight of stock handle pole up to 75% and reduces rider arm and shoulder fatigue.

Yamaha	Part No.
A. Super Jet Pre 95	03-04-011
B. Super Jet 96+	03-04-012

Kawasaki	Part No.
C. 800SXR	03-04-003
D. 300/440/550/550SX Dual Coil Spring	RM5500
E. 650SX	WCW-650SXSPRING



## ADA RACING BILLET 800SXR TALL HANDLEPOLE SPRING TENSIONER

Kawasaki 800 SX-R handlepole spring tensioner. Includes billet black anodized bracket and stainless hardware.

Kawasaki	Height	Part No.
ADA Tensioner	25mm	KA800ST



## KOMMANDER TENSIONER KAWASAKI 800 SXR

Kawasaki	Height	Part No.
800 SXR Tall	38mm	KOM104-TALL
800 SXR Short	23mm	KOM104-SHORT



## WATERCRAFT WERKS KAWASAKI 750SX/SXI HANDLEPOLE SPRING TENSIONER

The Watercraft Werks Spring Tensioner adds preload to the handlepole which reduces the handlepole weight. The lighter handlepole reduces back, shoulder and arm fatigue. The stainless steel constructed shim installs in less than 5 minutes with basic tools.

Kawasaki	Part No.
Handlepole Spring Tensioner	WCW-75SXPTST

FOUR STROKE	INTAKE SYSTEMS	ENGINE/ GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES SERVICE TOOLS /HARDWARE	CHEMICAL
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**UMI TOP STOP BILLET STEERING**

<b>Description</b>	<b>Part No.</b>
GSX, GTX, GTI, GTS, GSI, GS 96+, RX, RXP, RXP-X, RXT, RXT-X	58-6321



Front View

Rear View

**RXP-X/RXT-X 260 PRO-SERIES STEERING SYSTEM**

See page 22 for information and details.

<b>Description</b>	<b>Part No.</b>
RXP-X 260 Pro-Series Steering System	RS20110
RXT-X 260 Pro-Series Steering System	RS20090



**RIVA RXP-X/RXT-X 255 BAR MOUNT SYSTEM**

See page 23 for information and details.

<b>Description</b>	<b>Part No.</b>
RIVA RXP-X, RXT-X 255 (08-11) Bar Mount System non iControl	RS20050-U



**REPLACEMENT BEARING KIT FOR UMI STEERING SYSTEMS**

<b>Description</b>	<b>Part No.</b>
Replacement Bearing Kit For all Steering Systems except XP97+ (requires 2 kits)	58-6300



**"DO SPEED" SPACER AND MOUNTING KIT FOR UMI RXP-X/RXT-X STEERING SYSTEMS**

See page 22 for information and details.

<b>Description</b>	<b>Part No.</b>
"DO Speed" Spacer and Mount Kit for UMI RXP-X and RXT-X Steering System	D-X-P



**SPEED MAGIC "X MOUNT" STEERING HEAD**

See page 22 for information and details.

<b>Description</b>	<b>Part No.</b>
Speed Magic Steering Head	SE-027015



### RIVA FZ PRO-SERIES STEERING SYSTEM

See page 60 for information and details.

Description	Part No.
RIVA FZ/FZS Steering System	RY20050-U-3.5
Tube Kit 5-1/2"	RY20050-RK-5.5
Tube Kit 7-1/2"	RY20050-RK-7.5



### SATO ENGINEERING FZR/FZS STEERING SYSTEM

This billet steering system is the ultimate upgrade for the new Yamaha FZ watercraft. The system is extremely strong and allows the rider to change to handlebars of their choice.

Description	Part No.
Sato Engineering FZR/FZS Steering System	SE-027020



### R&D FX-SHO/FZR/FZS BILLET STEERING SYSTEM KITS

See page 60 for information and details.

Description	Part No.
R&D FZR / FZS Billet Steering System	512-18000
R&D FX-SHO Billet Steering System	512-18001



### RIVA VXR/VXS PRO-SERIES STEERING SYSTEM

See page 60 for information and details.

Description	Part No.
RIVA VXR/VXS Pro-Series Steering System	RY20060-U



### RIVA ULTRA PRO-SERIES STEERING SYSTEM

See page 76 for information and details.

Description	Part No.
RIVA Ultra 250/260/300 Steering System	RK20090-U-8.75
11.75" Tube Kit for RK20090	RK20090-RK-11.75



### RIVA ULTRA PRO-SERIES STEERING LOWER

See page 76 for information and details.

Description	Part No.
RIVA Ultra Lower System Steering Assembly	RK20090-L



### ULTRA 250/260/300 AFTERMARKET BILLET HANDLEBAR ADAPTER

See page 77 for information and details.

Description	Part No.
Ultra 250/260/300 Billet Handlebar Adapter	DC-HA-KU

FOUR STROKE	INTAKE SYSTEMS	ENGINE/GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES	SERVICE TOOLS /HARDWARE	CHEMICAL
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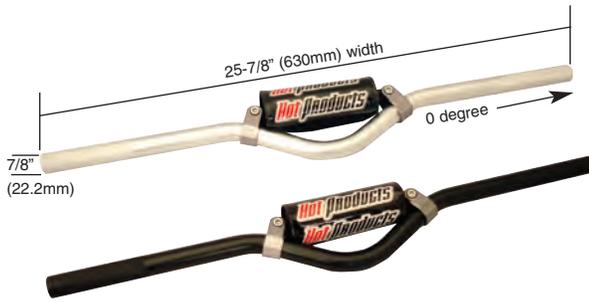
# Hot Products

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL

- High grade aluminum, which Hot Products has extensively tested for the manufacturing of these handlebars.
- Lightweight, super-strength, durable and excellent vibration dampening for freestyle and rough surf riders.
- The handlebar surface has been shot peened to help assist in preventing fatigue or failure.

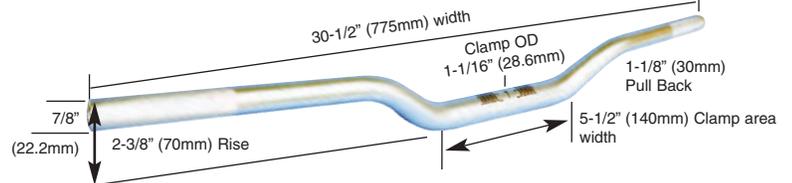
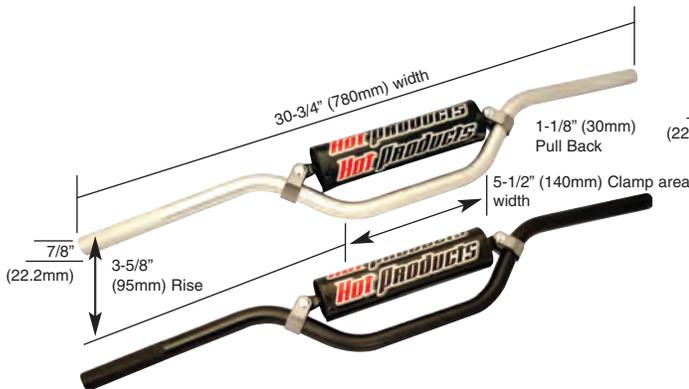
- Knurling – Grip end only – increases bonding between the handlebars and the grips.
- Anodized finish forms an integral coating giving protection against corrosion.
- A Hot Products crossbar pad is included with every handlebar.

• All Hot Products Handlebars feature scale lines for easy installation and alignment to each riders specifications.



Stand-Up Performance Handlebars	Color	Part No.
Yamaha/Kawasaki Zero degree	Silver	HJF-00
Yamaha/Kawasaki Zero degree	Black	HJF-00BK

Stand-Up Performance Handlebars	Color	Part No.
Yamaha/Kawasaki 4 degree	Silver	HJF-04
Yamaha/Kawasaki 4 degree	Black	HJF-04BK



## HOT PRODUCTS RUNABOUT FAT BARS

Runabout Fat Bars	Color	Part No.
Hot Products Fat Runabout Bars	Silver	HJFT-01

Runabout	Color	Part No.
Runabout Handlebars	Silver	HJR-02
Runabout Handlebars	Black	HJR-02BK



## MOTOINE ADJUSTABLE HANDLEBAR

Utilizing handlebar clamp holes, this Motorcycle Road Racing type handlebar allows you to adjust the handlebar position from -4 degrees to +16 degrees.

Kawasaki	Part No.
Adjustable Handlebar for 800SXR	MR-SXR-012



## UNIVERSAL FAT BAR ADAPTERS

Hot Products has designed these billet adapters to be compatible with UMI steering and other manufacturing steering systems and allows for use of "Fat Bars" for that added strength and clamping pressure needed for today's high performance applications. Both the one piece kit and two piece set come laser etched with the Hot Products logo.

Description	Part No.
One Piece Billet Adapter Kit	HJCL-01
Two Piece Billet Adapter Set	HJCL-02



### UMI RACE HANDLE BARS

Models	Color	Bar Width	Part No.
Kawasaki X2/ZXI/STXR/Ultra 150	Polish	29.5	X2-01200POL

# BLEWSION

## KOMMAND HANDLEBARS



Stand-Up Handlebars	Color	Part No.
O-Degree W/Crossbar & Pad- Extended	Clear	03-05-141
O-Degree W/Crossbar & Pad- Extended	Black	03-05-142



Stand-Up Handlebars	Color	Part No.
4-Degree W/Crossbar & Pad- Extended	Clear	03-05-143
4-Degree W/Crossbar & Pad- Extended	Black	03-05-144



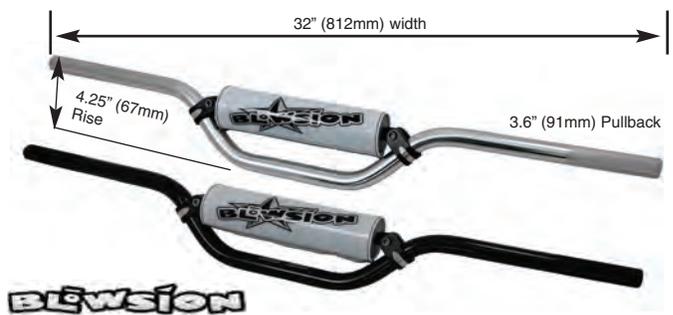
Stand-Up Handlebars	Color	Part No.
Fat-Bar Straight	Black	03-05-145



Stand-Up Handlebars	Color	Part No.
Fat V Bar Riser	Black	03-05-146



Sit-Down Handlebars	Color	Part No.
Blaster/Sports Handlebars - 28"	Black	03-05-150



Sit-Down Handlebars	Color	Part No.
Runabout Handlebars - 32"	Black	03-05-152
Runabout Handlebars - 32"	Clear	03-05-153

FOUR STROKE	INTAKE SYSTEMS	ENGINE/GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES	SERVICE TOOLS /HARDWARE	CHEMICAL
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# R&D AUTO DROP NOZZLE KITS



The R&D VTS/Auto Drop Nozzle is the first manually activated VTS nozzle with Auto Drop functions! When riding with the VTS adjusted in the neutral position the nozzle will drop 5 degrees in the turns allowing for a much smoother high speed turn to be made. When the steering reaches the straight position the nozzle returns back to the straight position. When riding with a full tank the best VTS setting is usually in the

click up position and stays there. With the R&D VTS Nozzle Kit you can ride 1 click up (5 degrees up) and when you turn the nozzle will drop 5 degrees which is back to zero or straight position. When steering returns back to straight the nozzle resumes the one click up (5 degrees up) position.



162-18010



Sea Doo RXP

The R&D RXP Auto Trim Kit was developed to override the OEM VTS System with a fully adjustable and fully automatic trim system! The R&D Auto Trim automatically drops a rider preferred adjustable 2-8 degrees. Drive from turn to turn never worrying whether the trim is in the best position for perfect turn negotiation! For long straight rides

install the R&D VTS/Holeshot Driver Rod (Pt.# 163-21503), which works in conjunction with the R&D Auto Trim to electronically override the Auto Trim back to the OEM VTS Nozzle angle trim settings!



162-21503

Yamaha	Part No.
GP1200R VTS Auto Drop Nozzle Kit	162-12001
GP1300R VTS Auto Drop Nozzle Kit	162-13000
FX SHO/FZR/FZS VTS Auto Drop Nozzle Kit	162-18020
FX SHO/FZR/FZS VTS Quick Shift Cam Kit	162-18010

Sea Doo	Part No.
RXP 215	163-21502
RXP Holeshot Rod for use with #163-21502	163-21503
GTX 4-Tech (03-07) RXT (03-07) Auto Trim Kit	163-95003
RXP-X 255/RXT-X 255 Auto Trim Kit	163-25500

# R&D HYDRO FORCE STEERING NOZZLE



Kaw Ultra 150



The new lengthened design delivers a full 1 MPH speed gain over stock. The pivot point position improves the turning radius allowing you to carve tighter turns with a more positive feel. Improved performance through speed, acceleration and handling.



Sea Doo RXP



Yamaha  
GP1200R/GP1300R

Sea Doo	Part No.
RXP/RXP-X/RXT/RXT-X (+15mm) Pro Style Ext. Nozzle	163-21500

Yamaha	Part No.
GP 1200R / 1300R	162-12000
FX140 / FX H.O./FX SHO/FZR/FZS	162-14000

Kawasaki	Part No.
Ultra 150	161-15000



## SATO ENGINEERING DROP NOZZLE KIT FOR 800SXR

- Inner Venturi design with fins improve performance.
- Steering nozzle is 20mm longer than Stock for better control.
- Exit pump nozzle size is changeable with rings.
- Ring sizes available: 76/77/78/79/80/81/82mm.
- Steering nozzle size is fixed with 83mm (\*Standard Exit Nozzle 80mm)

Kawasaki	Part No.
Drop Nozzle Kit 800SXR	SE-013014
Cable Only (141" Long)	SE-013014-CABLE*
*Barrel Nipple Cable Top & Barrel Nipple Cable End	
Ring Only	SE-013014-SIZE**
**When ordering you must specify the ring size from the list	



SUTIWAS "SAM" CHAISIVICHIEAM  
MOTORFIELD, THAILAND  
COURTESY OF BOMB PHOTOGRAPHY



## SATO ENGINEERING FLIP NOZZLE KIT

You must have this Flip Nozzle Kit for the trick of "Back Flips" and "Barrel Rolls." This kit allows the nozzle to move upwards up to 20 degrees. Steering nozzle is 30mm longer than stock. Exit nozzle size is changeable with ring. (76-82mm)

Description	Part No.
Kawasaki 800SXR Flip Nozzle Kit	SE-013015-R
Super Jet Flip Nozzle Kit	SE-013020-R
Kawasaki 800SXR Flip Nozzle Cable Only	SE-013014-CABLE*
<i>*Barrel Nipple Cable Top &amp; Barrel Nipple Cable End Bottom</i>	
Super Jet Flip Nozzle Cable Only	SE-013020-CABLE**
<i>**Barrel Nipple Cable Top &amp; Threaded Stud Cable End Bottom</i>	



## SATO ENGINEERING FREESTYLE UPSTEERING NOZZLE

Sato Super Jet steering nozzle has adjustable angles between 0 to 5 degrees for rider's preference.

Description	Part No.
Super Jet 0-5 Degree Adjustable Up Nozzle	SE-013103



## EZ-TRIM SYSTEM (THE ORIGINAL)

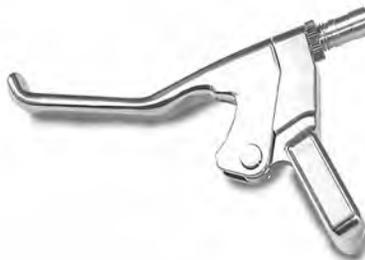


Easy-Trim System was designed to allow riders of all levels to get a fair amount of trim with a light pull on the lever. The system will give you 30-35 degrees of trim. The system is constructed of anodized billet aluminum for strength and light weight. It can

be changed into the straight pull with a few additional accessories. This system is available for Yamaha Superjet or similar pump setups.

Kit includes: trim ring, cable, lever, hardware, reduction nozzle and steering nozzle. It is recommended that you purchase a through hull tube if your PWC is not equipped for a clean and easy installation.

Description	Color	Part No.
Easy-Trim System (The original)	Black	TI-EZ-TRIM
Easy-Trim System	Red	TI-EZ-TRIM-RED
Replacement Trim Cable		TI-EZ-TRIM-CABLE



## UMI RACING TRIM LEVER

Billet Aluminum Trim Lever for Trim Tab and Quick Trim Nozzles.

Description	Color	Part No.
UMI Trim Lever	Clear	KA-01525-CLR



## BLOWSION BILLET ALUMINUM TRIM LEVER



Blowson Trim Lever - Left hand operated trim lever for pump tilt or trim systems.

Description	Color	Part No.
Blowson Trim Lever	Silver	03-05-230
Blowson Trim Lever	Black	03-05-231



## BLOWSION IZZNELL TWISTER NOZZLE

Available for all years Yamaha SuperJets. Allows additional throw on steering nozzle and multiplies the turning radius exponentially. A surf and freeride necessity!

Description	Part No.
Izznell Twister Nozzle Bracket only	02-02-417



## RRP QUICK STEERING ADAPTER

This quick steering adapter fits the stock superjet nozzle. It will give you the option to play with the quickness of the steering from really aggressive to really smooth. It will also give you a lot more turning ratio for free style.

Description	Color	Part No.
RRP Quick Steering Adaptor	Black	QU-ST-YAM-BL

FOUR STROKE	INTAKE SYSTEMS	ENGINE/ GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES SERVICE TOOLS /HARDWARE	CHEMICAL
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## THROTTLE CABLE ADAPTERS



Description	Part No.
Cable Adapter for Kawasaki Pre-86, Yamaha & All Wet Jet 6mm Throttle Cable	58-0990
Kawasaki 440 (76-86), 550 (82-85), Yamaha All Models (87-00) Hydrospace S4	



Description	Part No.
Cable Adapter for Kawasaki 96+ 8mm Throttle Cable	58-0991
Kawasaki 750 SS-XI-SXI (96-00), 750 STS (95-97), ZXI (95-00), STX (97-00)	



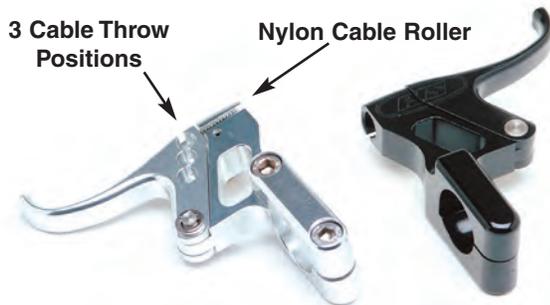
Description	Part No.
Cable Adapter for All Sea Doo	58-1996



## HOT PRODUCTS ALUMINUM TRIGGER THROTTLE LEVERS

Fits 86-95 Kawasaki & Polaris.  
10mm Throttle Cable Kawasaki 550 (86-95), 650 (86-95), 750 SX-SS-SXI (92-95), 750 ST (94-95).  
An adapter is required for: Sea Doo, Yamaha and Kawasaki Pre 86 & 96+.

Description	Part No.
Silver	58-0970
Black	58-0971



## PJS BILLET THROTTLE LEVER

Billet constructed throttle features nylon cable roller, nylon bushing and thrust washers, 3 cable throw positions, 6mm stainless steel bolts. This lever is specially designed to contour around your index finger. The narrow lining allows you to gain quicker response on hole shots without your middle finger getting in the way of a full pull.

Description	Part No.
Silver	58-0981
Black	58-0982



## UMI BILLET FINGER THROTTLE

Lever perch is machined at an angle which makes the lever pull at a downward sloping angle. This motion keeps the lever at the tip of your finger throughout the throttle range greatly reducing arm pump and providing superb throttle control. Also available in traditional straight pull. Teflon bushings eliminate the play common in other throttles and provides a smoother throttle pull. Stainless steel pin and C-Clip eliminates corrosion at hinge point. Available for all models. Also available in anodized black. Some models require throttle cable adapter.



Straight



Regular

Straight Lever	Part No.	Angled Lever	Part No.
Silver	KA-01521-CLR	Silver	KA-01520-CLR
Black	KA 01521-BKA	Black	KA-01520-BKA



## BLOWSION BILLET THROTTLE LEVER

Machined with the stand-up rider comfort at a premium, the new Blowsion straight pull finger throttle levers are ergonomically designed for premium fit and feel whether you are on the waves or on the buoys. Lever angle is situated to reduce hand and arm fatigue. Delron bushings eliminate the play common in OEM throttle levers and provides a smooth throttle pull action. All stainless hardware at the hinge point eliminates corrosion and play 100%. No "C" clips are used in the throttle lever assembly.

Description	Part No.
Clear	03-05-208
Black	03-05-201
Green	03-05-204
Red	03-05-207



## RIVA RACING SEADOO BILLET FINGER THROTTLE

Specifically designed to match throttle travel of SeaDoo 4-Stroke PWC. Direct replacement for bulky OEM throttle on X-Models and can be used with aftermarket bars on other 4-tec applications. Adjustable throttle angle & unique trigger design keeps the trigger at the tip of

your finger throughout the throttle range for reduced arm pump & superb throttle control. Delrin bushings eliminate play common in OEM throttles and provide smooth actuation. All stainless hardware at hinge point eliminates corrosion and play. No "C" clips used. Use with OEM adapter on X-Models or use aftermarket adapter (sold separately) for other 4-Tec applications.

Description	Part No.
RIVA Racing Billet Finger Throttle for Sea Doo	RS24010P
*Available in clear polished finish only	



## THROTTLE CONVERSION KIT, ALL 4-TEC 4-STROKE - RXP - RXT - GTX - GTI

Quickly and easily transform your Sea Doo thumb throttle into a more natural finger throttle with our Throttle Conversion Kit. Aluminum extensions insert directly into bar ends adding 1-3/4" to each side providing more turning leverage and a more natural riding position. Molded steering pad end cap mates to finger throttle for a clean factory look. No modifications to existing handlebars necessary and minimal downtime. Available for RXP and GTX 4-TEC 4-stroke models with stock and aftermarket grips. Includes drill bit, tap, stainless steel bolt (to secure throttle trigger to handlebars) and complete installation instructions.

Sea Doo	Part No.
For stock grips. All 4-TEC 4 stroke	RS2455



## UMI RXP TRIM/SWITCH HOUSING

U.M.I.'s trim/switch housing is machined from 6061-T6 billet aluminum, replacing the stock plastic housing. Trim/switch housing uses the factory variable trim switch and start/stop switch. This housing must be used with the U.M.I GSX/RXP (P/#58-6321) steering system, aftermarket bars and finger throttle.

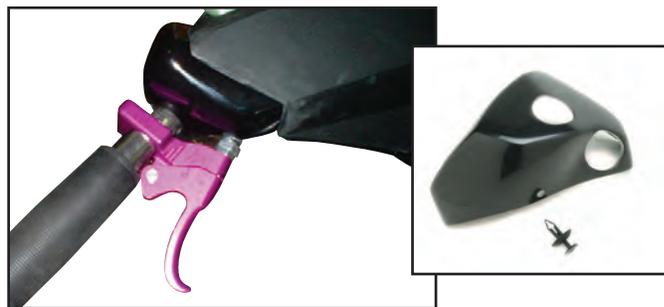
Sea Doo	Part No.
RXP Silver	SD-01600-CLR



## RIVA RACING YAMAHA & KAWASAKI BILLET FINGER THROTTLE

Ergonomically designed for premium fit and feel whether you are on the waves or turning buoys. Lever angle is fully adjustable to reduce hand and arm fatigue. Delrin bushings eliminate play common in OEM throttles and provide smooth actuation. All stainless hardware at hinge point eliminates corrosion and play. No 'C' clips used. Available in anodized Clear or Black. Throttle cable adapter sold separately.

Description	Part No.
Clear Billet Finger Throttle for Yam/Kaw	RY24010P
Black Billet Finger Throttle for Yam/Kaw	RY24010B



## HANDLEBAR COVER CAP FOR SEADOO 4-TEC - RXP - RXT - GTX - GTI

Description	Part No.
Handlebar Cover Cap	FB001-SD



## BILLET STOP SWITCH HOLDER FOR AFTERMARKET HANDLEBARS

Sea Doo	Part No.
SD GTX, 4-Tec, RXP, RXT (One hole type)	58-2003



## BILLET 3 SWITCH HOLDER FOR AFTERMARKET HANDLEBARS

Description	Color	Part No.
Sea Doo	Polished	58-2004

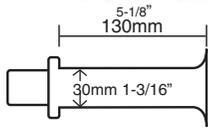
FOUR STROKE	INTAKE SYSTEMS	ENGINE/ GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES SERVICE TOOLS /HARDWARE	CHEMICAL
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# ATI TWO PLY GRIPS

Two ply construction. Inner core harder. Outer layer is softer to help reduce vibration and hand fatigue.

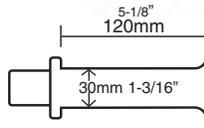
FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
SERVICE TOOLS ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL



**Hard**

## ATI 955 FLAME

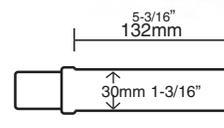
<b>Big Flange</b>	<b>Part No.</b>
Blue	58-4077



**Medium Soft**

## ATI SCHWARTZ

<b>Big Flange</b>	<b>Part No.</b>
Red	58-4071
Blue	58-4072



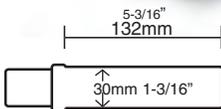
**Medium Soft**

## ATI JACKSON

<b>No Flange</b>	<b>Part No.</b>
Black	58-4050

# SLIM LINE SPIDER GRIPS

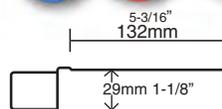
The diamond pattern sheds water as well as dampening out vibrations.



**Medium Soft**

## ATI SCHWARTZ

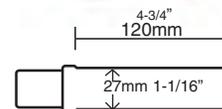
<b>No Flange</b>	<b>Part No.</b>
Black	58-4055
Red	58-4056
Blue	58-4057



**Medium Soft Slim**

## SPIDER FLANGELESS GRIP

<b>Description</b>	<b>Part No.</b>
Blue	A3-BL
Red	A3-R
Yellow	A3-Y

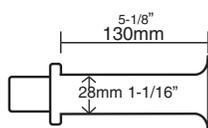


**Medium Soft Slim**

## SPIDER FLANGE GRIP

<b>Description</b>	<b>Part No.</b>
Red w/Black	SLT R/B
Blue w/Black	SLT BL/B

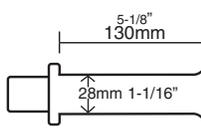
# SINGLE PLY GRIPS



**Slim Soft**

## SPIKE ISO

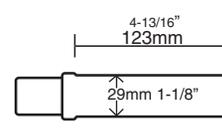
<b>Big Flange</b>	<b>Part No.</b>
Red	58-4040



**Slim Soft**

## POS-A-TRAC

<b>Big Flange</b>	<b>Part No.</b>
Red	58-4042
Yellow	58-4043



**Medium Soft**

## AME WATERCRAFT GRIPS

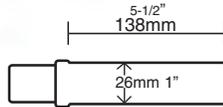
<b>Description</b>	<b>Part No.</b>
Yellow	58-4006

# SINGLE PLY GRIPS

# AME



**Slim Soft**



## AME TRI STAR PWC GRIPS

Description	Part No.
Blue	58-4012
Red	58-4013



## MOTOGRIPTM TRAINER

- Strengthen grip and forearm muscles anywhere in your car, desk, walking, etc.
- Helpful for all forms of riding: PWC, MX, off road, trail, ATV, road and snowmobiles

- When routinely used in 3 sets of 30 to 100 reps, MotoGrip™ Trainer noticeably improves finger-hand-forearm strength and endurance
- Built for high repetition endurance training
- Available in three different resistance levels 30, 40 and 50lbs

Description	Part No.
MotoGrip Trainer Green 30lb max resistance	17-0001
MotoGrip Trainer Black 40lb max resistance	17-0002
MotoGrip Trainer Red 50lb max resistance	17-0003

## ThreeBond 3BOND GRIP LOCK



A high strength adhesive specially formulated to keep grips in place without damaging the rubber. Ideal for Snowmobile, Motorcycle, ATV and Personal Watercraft

Description	Part No.
ThreeBond Grip Lock 30gm (Dealer)	TB1501C

SUPPORTS

# EUROPEAN FREESTYLE CHAMPIONSHIP 2012

**BE THE BEST  
BEAT THE BEST**

**QUALIFYING EVENTS:**

**16. 6. ENGLAND**  
LONDON - DOCKLANDS (KING GEORGE V DOCK)

**30. 6. GERMANY**  
JETBOOT ZENTRUM LAUSITZ (GEIERSWALDER SEE)

**14. 7. FRANCE**  
SO'FUN VILLAGE (VILLENEUVE LA GUYARD)

**FINAL EVENT:**

**18.-19. 8. AUSTRIA**  
EUROPEAN FINALS (WEITENEGG)

**WWW.PWCFREESTYLE.EU**  
FACEBOOK.COM/PWCFREESTYLE

FOUR STROKE	INTAKE SYSTEMS	ENGINE/GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES	SERVICE TOOLS /HARDWARE	CHEMICAL
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Easy Installation  
No Grip Glue Required

**Revolutionary Non-Slip Technology for the Wettest Environments on Earth**

- Lock-On Grip System eliminates grip twisting and slippage without the need for ties or glues.
- Replaceable aluminum Lock Jaw clamps lock grip onto bars like a vise to prevent slippage.
- New 3/4 Flange helps keep hands from slipping without interfering with thumb throttle systems.
- Fits on aftermarket handlebars such as UMI, etc.

Aluminum Lock Jaw clamps grips onto bars like a vise to prevent slipping.

Soft and tacky outer layer cushions hands and provides optimal traction.

New aluminum bar and snap cap.



Durable inner sleeve allows grip to easily slide onto bars.

**ODI ROGUE LOCK-ON GRIPS**

- Thick raised pads for maximum shock absorption
- Texture surface pattern for better control
- Elevated thread pattern channels water off the grip



Soft



**Description**  
Rogue, Thumb Throttle, 120mm, with 3/4 Flange **Part No.** L30RGB-S



Soft



**Description**  
Rogue, No Flange, 130mm **Part No.** L31RGB-S

**ODI RUFFIAN LOCK-ON GRIPS**

- Extra narrow diameter
- Diamondized surface for excellent traction



Hard Slim



**Description**  
Ruffian, Thumb Throttle, 120mm, with 3/4 Flange **Part No.** L30RFB-S



Hard Slim



Description	Color	Part No.
Ruffian, No Flange, 130mm	Black	L31RFB-S
Ruffian, No Flange, 130mm	White	L31RFW-B

**BLOWSION LOCK RING CAP SET**



BlowSION integrated the outside lock ring and the end cap into one piece for that special look. Each package contains two lock rings and two lock ring end caps.

Description	Color	Part No.
Grip Lock Ring End Caps set-Billet	Black	03-05-341
Grip Lock Ring End Caps set-Billet	Blue	03-05-342
Grip Lock Ring End Caps set-Billet	Clear	03-05-343
Grip Lock Ring End Caps set-Billet	Green	03-05-345
Grip Lock Ring End Caps set-Billet	Orange	03-05-346
Grip Lock Ring End Caps set-Billet	Purple	03-05-347
Grip Lock Ring End Caps set-Billet	Red	03-05-348
Grip Lock Ring End Caps set-Billet	Yellow	03-05-349



**ANODIZED ALUMINUM LOCK RING**

Anodized aluminum lock ring for ODI grips. Lock-on system grips package's contains 4 lock rings each.

Description	Color	Part No.
Griplock Lock Ring Anodized	Green	03-05-335
Griplock Lock Ring Anodized	Blue	03-05-332
Griplock Lock Ring Anodized	Orange	03-05-336



## Experience the Ultimate in Watercraft Control

These grips features a raised diamond plate pattern that offers additional comfort as well as control across the length of the grip. ODI has also included our exclusive "pre-cut" style flange which is just large enough to easily reference your hand position, while also being small enough to stay out of the way when you are trying to access thumb-throttles or other handlebar components.

### X-Treme Elements Lock-On Grip

Medium Soft



Graphite  
L30XTH-G

Description	Color	Part No.
X-Treme Pre-Cut Flange, 130mm,	Graphite	L30XTH-G
X-Treme Pre-Cut Flange, 130mm,	Black	L30XTB-B



**RECOMMENDED FOR FREESTYLE RIDING**

Description	Part No.
White with Red Clamps	L30TLW-R
Black with Grey Clamps	L30TLB-G
Yellow with Purple Clamps	L30TLY-P
Red with Black Clamps	L30TLR-B



### ODI LOCK JAW CLAMPS AND CAPS

- Sturdy one-piece machined aluminum design
- Replacement set includes 2.5mm bolts

Description	Color	Part No.
Lock Jaw Clamps and Caps	Black	D70LJB
Lock Jaw Clamps and Caps	Silver	D70LJS
Lock Jaw Clamps and Caps	Red	D70LJR
Lock Jaw Clamps and Caps	Gray	D70LJG

### ODI RUFFIAN MX LOCK-ON GRIPS

NEW! The Ruffian MX Grip combines an ultra narrow knurled Ruffian surface pattern combined with a motocross inspired half-waffle pattern for a great all around grip.

Medium Soft Slim



Description	Part No.
Ruffian MX, No Flange, 130mm	L32RFB-S

### ODI CROSS TRAINER LOCK-ON GRIPS

Medium Soft Slim



Description	Part No.
Cross Trainer, No Flange, 130mm	L30CTB-B

### BILLET ALUMINUM END PLUG



Protect your bars and grips with ODI Aluminum End Plugs. Constructed of sturdy 6061 aluminum, these plugs are designed

to take the brunt of whatever you can throw at them. Product Features: Sturdy 6061 Aluminum, Fits most sized bars, Triple-Core Design Holds Plugs Inside Bars, Sold in pairs

Description	Color	Part No.
Aluminum Bar End Plug	Black	L71APB
Aluminum Bar End Plug	Blue	L71APU
Aluminum Bar End Plug	Red	L71APR
Aluminum Bar End Plug	Silver	L71APS

### ODI LOCK JAW REPLACEMENT BOLTS



These bolts are replacements for the specially designed allen bolts used with Lock Jaws and eliminates the need to buy an entire new set of clamps just to replace the bolts.

Description	Part No.
Lock Jaw Replacement Bolt Set (5 pcs/pk)	F70RSB

FOUR STROKE	INTAKE SYSTEMS	ENGINE/GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES	SERVICE TOOLS /HARDWARE	CHEMICAL
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All Grip Kits Include Plastic End Caps



Plastic End Caps

LOCD100

LOCD200

LOCD700

LOCD550



Medium Soft Slim

New Color

### CHARGER GRIPS

Your favorite grip now available as a lock-on grip. Small diameter, 130mm.

Description	Grip Color	Ring Color	Part No.
Charger Grips	Black	Black	LOCD100
Charger Grips	White	Black	LOCD200
Charger Grips	Neon Green	Black	LOCD700
Charger Grips	Pink	Black	LOCD550



LOPDS200



LOPDS300



LOPDS100

Medium Soft Slim

### PEATY GRIPS

White grips come with anodized red and blue rings, graphite grips come with anodized red rings and black grips come with anodized graphite rings. Small diameter, 130mm.

Description	Grip Color	Ring Color	Part No.
Peaty Grips	White	Red	LOPDS200
Peaty Grips	Graphite	Red	LOPDS300
Peaty Grips	Black	Graphite	LOPDS100



LOLD100

LOLD500

LOLD700

New Color

### LOGO GRIPS

Description	Grip Color	Ring Color	Part No.
Logo Grips	Black	Black	LOLD100
Logo Grips	Red	Black	LOLD500
Logo Grips	Green	Black	LOLD700

Hard Slim



LOFDS100

LOFDS200

Hard Slim

### FLANGE LOGO GRIPS

Same as "Lizard Skins Logo" design grips with flange.

Description	Grip Color	Ring Color	Part No.
Flange Logo Grips	Black	Black	LOFDS100
Flange Logo Grips	White	Black	LOFDS200



LONDS100

LONDS500

Medium Soft

New Color

### NORTHSHORE GRIPS

This grip is great for people with large hands.

Description	Grip Color	Ring Color	Part No.
Northshore Grips	Black	Black	LONDS100
Northshore Grips	Red	Black	LONDS500



LOEDS100

LOEDS200

LOEDS400

Medium Soft Slim

### EXPERT MACHINE GRIPS

Description	Grip Color	Ring Color	Part No.
Expert Machine Grips	Black	Black	LOEDS100
Expert Machine Grips	White	Black	LOEDS200
Expert Machine Grips	Blue	Black	LOEDS400



## AP DESIGNS CHIN PAD COVERS AND MATS FOR YAMAHA SUPER JET

SUPER JET 96+



Black/Black

<b>Yamaha</b>	<b>Part No.</b>
Chin Pad	<b>YASJ96CP</b>

SUPER JET 96+



<b>Yamaha</b>	<b>Part No.</b>
Side Mat with Lifter 10"	<b>YASJ96SM-LFT</b>
Side Mat with Lifter 15"	<b>YASJ96SM-LFT15</b>

SUPER JET 96+



<b>Yamaha</b>	<b>Part No.</b>
Bottom Mat	<b>YASJ96BM</b>

FOUR STROKE	INTAKE SYSTEMS	ENGINE/GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES	SERVICE TOOLS /HARDWARE	CHEMICAL
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## AP DESIGNS CHIN PAD COVERS AND MATS FOR KAWASAKI / HYDROSPACE

750 SX/SXI/SXI PRO & 800 SX-R



Black/Black

<b>Kawasaki</b>	<b>Part No.</b>
750 Chin Pad	<b>KA750SXCP</b>
800 Chin Pad	<b>KA800SXRCP</b>

750 SX/SXI



<b>Kawasaki</b>	<b>Part No.</b>
Side Mat	<b>KA750SXSM</b>
Side Mat with Lifter 10"	<b>KA750SXSM-LFT</b>
Bottom Mat	<b>KA750SXBM</b>

800 SXR

With 15" Lifter



Side Mat for New Rail Cap

<b>Kawasaki</b>	<b>Part No.</b>
Side Mat with Lifter	<b>KA800SXRSMRC</b>
* This Side Mat is specially designed for wrapping onto Rail Cap Pt# 05-04-001	

800 SXR



<b>Description</b>	<b>Part No.</b>
Strip Ringer Steel	<b>SRT-008-L</b>
Strip Ringer Steel	<b>SRT-008-XL</b>
Strip Ringer Brown	<b>SRT-009-L</b>
Strip Ringer Brown	<b>SRT-009-XL</b>

800 SXR



Special long length bottom mat for kicktail

<b>Kawasaki</b>	<b>Part No.</b>
Side Mat	<b>KA800SXSM</b>
Side Mat w/Lifter 10"	<b>KA800SXRSM-LFT</b>
Side Mat w/Lifter 15"	<b>KA800SXRSM-LFT1</b>
Bottom Mat	<b>KA800SXRBM</b>

HYDROSPACE MATS



Black/Black  
With 15"  
Side Lifter

<b>Hydrospace</b>	<b>Part No.</b>
Bottom Mat	<b>HYDROSPACEBM</b>
Side Mat	<b>HYDROSPACESM</b>
Bottom for Kick Tail	<b>HYDROSPACEBMKT</b>

## AP DESIGNS MAT SETS & SEAT COVER

KAWASAKI ULTRA 150, 250  
1200 STX-R, 15F



Black/Black

<b>Kawasaki</b>	<b>Part No.</b>
Ultra150	<b>KAULTMT-BLK/BLK</b>
STXR / 12F / 15F	<b>KASTXR-BLK/BLK</b>
Ultra250	<b>KAU250MT-BLK/BL</b>

KAWASAKI STX-R / ULTRA 250  
SIDE MAT WITH LIFTER



Black/Black

<b>Kawasaki</b>	<b>Part No.</b>
1200STX-R	<b>KASTXRSM-BLK/BL</b>
Ultra 250	<b>KAU250SM-BLK/BLK</b>

RXP



Black/Silver/Black

<b>Sea Doo</b>	<b>Part No.</b>
Ultra Grip Top	<b>USDRXP-BK/SL/BK</b>
Sure Grip Top	<b>SSDRXP-BK/SL/BK</b>



# JETTRIM CUSTOM SEAT COVERS

## JETTRIM CUSTOM ORDER SEAT COVERS

### Three Easy Steps to Order a Custom Jettrim Seat Cover

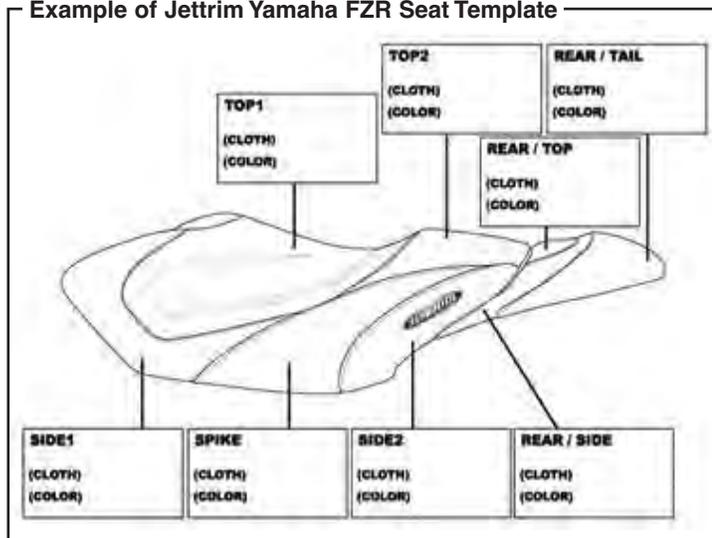
1. Locate the seat cover template in the Hot Products 2012 price list or visit [www.HotProductsUSA.com](http://www.HotProductsUSA.com).\*
2. Write the information of the colors & materials (see page 234-235) you want on the seat cover template.

3. Fax or email the completed seat cover template.\*\*

\* If you are unable to find the seat cover template for your model, please contact us.

\*\* It may take 7-10 working days to get your custom seat cover after we receive your completed custom seat cover template.

Example of Jettrim Yamaha FZR Seat Template



**Hot Products offers pre-designed and colored JETTRIM Seat Covers to make your selection fast and easy. Please check page 234 & 235 for images and part numbers.**



Yamaha	Part No.
FX140 Spike Design Seat Cover	YFX140101
FX140 Retro Design Seat Cover	YFX140102
FZR Spike Design Seat Cover	YFZR101
FZR Retro Design Seat Cover	YFZR102
FZR (2012) Retro Seat Cover	YFZR105
FZS Retro Design Seat Cover	YFZS101
FZS Spike Design Seat Cover	YFZS102
GP 2 Piece Seat Cover	YGP101
GPR Seat Cover	YGPR101
GPR New Design Seat Cover	YGPR101R
GPR Retro Design Seat Cover	YGPR104
FX-SHO Seat Cover	YSHO101
VX110 Seat Cover	YVX110101
VX110 New Design Seat Cover	YVX110102
VXR Seat Cover	YVXR101
TZ700 Wave Blaster Seat Cover	YWB101

Kawasaki	Part No.
12/15F 2 Piece Seat Cover	K15F101
STX15F/12F (06+) Seat Cover	K15F102
STX (00) 2 Piece Seat Cover	KSTX101
STXR Seat Cover	KSTXR101
Ultra 150 Seat Cover	KU150101
Ultra 250X/260X/300X Seat Cover	KU250X101
Ultra 250X/260X/300X Retro Seat Cover	KU250X104
Ultra 300 LX Seat Cover	KU300LX101

Sea Doo	Part No.
GTX 2 Piece Seat Cover	SDGTX101
GTX 2 Piece Seat Cover	SDGTX103
GTX 2 Piece Seat Cover	SDGTX105
RXP Seat Cover	SDRXP101
RXP-X Seat Cover	SDRXPX101
RXP-X Hump Seat Cover	SDRXPX101H
RXP-X Retro Seat Cover	SDRXPX102
RXP-X (2012) Seat Cover	SDRXPX103
RXT 2 Piece Seat Cover	SDRXT101
RXT/RXT-X Retro Seat Cover	SDRXTX103
SPX Flat Seat Cover	SDSPX101
SPX Hump Seat Cover	SDSPX106
XPL (97-99) Seat Cover	SDXP101
New XPL Seat Cover	SDXP103
RXT iS 255 (09), RXT iS 260 (10-12),	SDRXTIS101
GTX LTD 260 (10-12), GTX iS 215 (11), Wake 215 (11-12),	
RXT iS 260 (10-12), GTX 155 (10-12), GTI 130 (11-12),	
GTI SE 155 (11-12), RXT-X aS 260 (11-12), RXT-X 260 (11-12)	



PWC MUSEUM BY JETTRIM  
LAKE HAVASU CITY, ARIZONA



KSXR1111



KSXR101



HS102



57-7032  
Flame Design

## JETTRIM NAUGAHYDE MAT

Description	Part No.
Hydrospace Bottom Mat	HS101
Hydrospace S4 8 Piece Mat Set	HS102
Kawasaki STX-R 3 Piece Mat Set	KSTXR102
Kawasaki 800SXR Bottom Mat	KSXR101
Kawasaki 800SXR Side Mat	KSXR102
Kawasaki 800SXR Side Mat	KSXR106
Kawasaki 800SXR 6 Piece Mat Set w/Rails & Kicker	KSXR1111
Sea Doo SD RXT RXT-X Bottom Mat	SDRXT103
Yamaha FZR 3 Piece Mat Set	YFZR103

## JETTRIM SPLASH GUARDS

Description	Part No.
Small • 50" Length • For two seat PWC	57-7029
Large • 60" Length • For three seat PWC	57-7030
Large <i>FLAME DESIGN</i> • 57" Length For three seat PWC	57-7032

## JETTRIM CHIN PAD FOR RRP HANDLEPOLE



JTRRP101-A



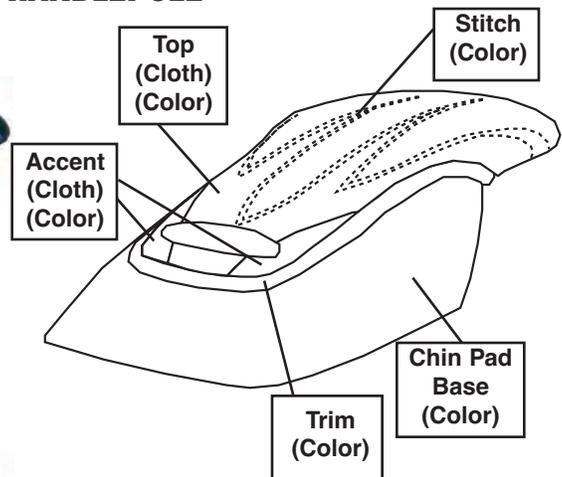
JTRRP101-B



JTRRP101-C



JTRRP101-D



Jettrim is offering new custom made chin pads that are specially designed for the RRP Handlepole.

The Chin Pad base is available in the following colors: *White Gloss, Black Gloss, Glitter Blue, Red, Gold, Green, Silver, Black, Carbon Black and Carbon Yellow.*

Description	Part No.
Jettrim Custom Chin Pad	JTRRP101

FOUR STROKE	INTAKE SYSTEMS	ENGINE/GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES	SERVICE TOOLS /HARDWARE	CHEMICAL
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# JETTRIM SEATCOVER

Jet Trim's handcrafted seat covers are hand cut, hand sewn, and specifically fitted to each individual year and model. Whether you're a recreational or pro-level rider, we can custom tailor each seat cover to your requirements. Call today for a template for your custom designed seat cover.

Pricing, manufacturing and shipping time varies. • Please call for details and pricing based on your customized design  
The color swatches presented here are for guidelines only, the exact color may vary.

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL

## NON SLIP GRIPPER • FOR THE TOP OF THE SEAT



HI GRIP MATERIAL

## NON SLIP SUEDE • FOR THE TOP OF THE SEAT



Want to stick to your seat? Our non slip suede will keep you on your toy. We use our non slip suede on all of our handcrafted mats. Our non slip suede is abrasive, therefore we recommend you wear a wet suit or riding pants.

## MEDIUM SLIP • FOR THE TOP OF THE SEAT



Our medium slip material is an embossed vinyl with a design, it provides enough grip to stay on your seat without being too abrasive. We also offer a carbon fiber looking vinyl which provides some stick too.

## SMOOTH GRAIN VINYL • FOR THE SIDE OR TAIL OF THE SEAT



Our Smooth Grain Vinyl is available in a wide array of colors and allows you to add some of your own personality to your toys. You can use the Smooth Grain Vinyl on our handcrafted PWC seat covers. it can be mixed and matched with any of our other material choices.

## SOFT SUEDE • FOR THE SIDE OR TAIL OF THE SEAT



The Soft Suede Vinyl has the look of real luxury but because it is vinyl it will last and last.

## OSTRICH • FOR THE SIDE OR TAIL OF THE SEAT



Ostrich Grain Vinyl is for someone who doesn't want to follow the crowd, but lead the crowd. This is best used on panels that you don't sit on, just let people admire.

## METAL VINYL • FOR THE SIDE OR TAIL



Shiny metallic material.



# HOT PRODUCTS RECOMMENDED DESIGNED/COLORED JETTRIM SEAT COVERS

## KAWASAKI

### Ultra 250X/260X/300X



#### KU250X104-A

**Top & Rear Top:** Medium Slip Black  
**Front Collar:** Smooth Grain Worx Green  
**Center Band and Rear:** Smooth Worx Green  
**Side:** Carbon Black Large Grain  
**Stitch:** Green Thread on Top

### Ultra 250X/260X/300X



#### KU250X104-B

**Front & Rear Top:** Non Slip Black Suede  
**Front Collar:** Smooth Grain Red  
**Center Band & Rear:** Smooth Grain Red  
**Side:** Carbon Black Large  
**Stitch:** Red Thread on Top

### Ultra 250X/260X/300X



#### KU250X104-D

**Front & Rear Top:** Medium Slip Black  
**Front Collar:** Smooth Grain GP Blue  
**Center Band & Rear:** Smooth Grain GP Blue  
**Side:** Carbon Black Large  
**Stitch:** Blue Thread on Top

### Ultra 250X/260X/300X



#### KU250X101-A

**Top:** Medium Slip Black  
**Front Side:** Smooth Grain White  
**Tail Front & Spike Rear:** Smooth Grain Worx Green

### STXR/F15 (02-05)



#### K15F102-B

**Top Front:** Carbon Dark Silver  
**Top Rear:** Carbon Black  
**Front Side:** Smooth Grain Black  
**Side:** Smooth Grain GP Blue  
**Stitch:** Blue Thread on Top

### Ultra 300LX



#### KU300LX101-A

**Front, Side 2 & Tail:** Carbon Silver  
**Side 1 & Rear Side:** Carbon Black  
**Top:** Carbon Black  
**Stitch:** Silver Thread on Top

## YAMAHA

### FZR (09-11)



#### YFZR102-B

**Top:** Medium Slip Black Vinyl  
**Front & Rear Side:** Carbon Black Large  
**Front Collar & Band:** Smooth Light Green Vinyl  
**Rear:** Smooth Grain Light Green  
**Stitch:** Bright Green Thread on Top

### FZR (2012)



#### YFZR105-A

**Top Front:** Medium Slip Black  
**Top Rear:** Medium Slip Silver  
**Front Collar:** Carbon Red Vinyl  
**Center Band & Tail:** Carbon Red Vinyl  
**Side & Back Rest:** Smooth Black Vinyl  
**Stitch:** Red Thread

### FZS (09-12)



#### YFZS101-B

**Front:** Kevlar Black  
**Top 1:** Medium Slip Silver  
**Top 2:** Smooth Grain Red  
**Rear Top:** Medium Slip Black  
**Rear Tail:** Smooth Grain Red  
**Side:** Carbon Black  
**Tail:** Medium Slip Black  
**Rear Side:** Carbon Dark Silver

### VXR (2012)



#### YVXR101-A

**Top Front:** Medium Slip Silver  
**Top Rear:** Medium Slip Black  
**Front Collar:** Carbon Dark Blue  
**Center Band & Tail:** Carbon Dark Blue  
**Side & Back Rest:** Smooth Grain Black  
**Stitch:** Blue Thread on Top

### VXR (2012)



#### YVXR101-C

**Top Front & Rear:** Non Slip Black Diamond Plate  
**Front Collar:** Smooth Grain Black  
**Center Band & Tail:** Smooth Grain Black  
**Side:** Carbon Black  
**Back Rest:** Bright Orange  
**Stitch:** Orange Thread

### VX110 (05-09)



#### YVX110102-A

**Top Front, Center & Top Rear:** Medium Slip Silver Vinyl  
**Front Collar:** Carbon Black Large  
**Center Band & Rear Band:** Carbon Black Large  
**Side:** Smooth Black Vinyl  
**Stitch:** Black Thread on Top

# HOT PRODUCTS RECOMMENDED DESIGNED/COLORED JETTRIM SEAT COVERS

## SEA DOO RXP-X

RXP-X (08-11)



**SDRXPX101-A**

Top: Medium Slip Black  
Side: Carbon Dark Silver  
Spike: Disco Light Orange  
Rear: Small Carbon Light Silver

RXP-X (08-11)



**SDRXPX101-B**

Top: Medium Slip Silver  
Side: Carbon Black  
Spike: Rx Orange  
Rear: Carbon Black  
Stitch: Orange Thread on Top

RXP-X (2012)



**SDRXPX103-B**

Front, Spike & Tail: Soft Suede Black  
Top & Rear/Top & Back Rear:  
Diamond Plate Black Black  
Stitch: Yellow Thread on Top

## SEA DOO - FITS ALL MODELS LISTED BELOW\*



**SDRXTXIS101-A**

Front & Rear Top: Medium Slip Yellow  
Front Collar: Carbon Black LG  
Center Band: Carbon Black LG  
Front & Rear Vest: Smooth Grain Silver  
Side: Carbon Black LG



**SDRXTXIS101-B**

Front and Rear Top: Non Slip Black  
Front Collar: Carbon Black  
Center Band: Carbon Black  
Front & Rear Backrest: Fire Red Smooth Vinyl  
Side: Ostrich Black Vinyl  
Stitch: Orange Thread on Top



**SDRXTXIS101-C**

Front and Rear Top: Non Slip Black  
Front Collar: Carbon Black  
Center Band: Carbon Black  
Front & Rear Backrest: Smooth Vinyl Black  
Side: Ostrich Black Vinyl  
Stitch: Yellow Thread on Top



**SDRXTXIS101-D**

Front and Rear Top: Non Slip Black  
Front Collar: Carbon Black  
Center Band: Carbon Black  
Front & Rear Backrest: Smooth Vinyl Black  
Side: Ostrich Black Vinyl  
Stitch: Red Thread on Top



**SDRXTXIS-E**

Front & Rear Top: Non Slip Black  
Front Collar: Carbon Black  
Center Band: Carbon Black  
Front & Rear Backrest: Bright Yellow Smooth Vinyl  
Side: Ostrich Black  
Stitch: Yellow Thread on Top



**SDRXTXIS-F**

Front & Rear Top: Non Slip Black  
Front Collar: Carbon Black  
Center Band: Carbon Black  
Front & Rear Backrest: White Smooth Vinyl  
Side: Ostrich Black  
Stitch: White Thread on Top

**\*RXT iS 255 (09), RXT iS 260 (10-12),  
GTX LTD 260 (10-12), GTX iS 215 (11),  
Wake 215 (11-12), RXT iS 260 (10-12),  
GTX 155 (10-12), GTI 130 (11-12),  
GTI SE 155 (11-12), RXT-X aS 260 (11-12),  
RXT-X 260 (11-12)**

**RXT-X 255 (08-10)  
RXT 215 (04-10)**



**SDRXTX103-B**

Front & Rear Top: Medium Silver Slip  
Front Collar: Fire Red Smooth Vinyl  
Center Band: Fire Red Smooth Vinyl  
Front & Rear Backrest: Fire Red Smooth Vinyl  
Front Side: Carbon Black LG Rear Side: Ostrich Black  
Stitch: Black Thread on Top

FOUR STROKE	INTAKE SYSTEMS	ENGINE/GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES	SERVICE TOOLS /HARDWARE	CHEMICAL
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# HYDRO-TURF

## SEAT COVER

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE/BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS/HARDWARE  
CHEMICAL



Kawasaki	Part No.
1. 650X-2	SEW40
ZXI (95-97) Seat & Cowling	SEW60
3. ZXI (98-03) Seat & Cowling	SEW601
4. Ultra 150,130 DI Seat & Handlebar Pad	SEW61
5. Ultra 250X/260X/300X,Ultra LX (07-08)	SEW62
Ultra 250 LX (10-12), Ultra 250/250LX/300LX, ST,STS,750STX & 900 STX (Pre 99)	SEW62C
1100STX (97),900 STX (99-00), 900 STS (01-02) Seat & Cowling	SEW631
6. 1100 STX (98-99)	SEW632
7. 1100 STX DI (00-02),900 STX (01-02)	SEW64
8. STX-12F (06-12) & STX-15F (06-12)	SEW641
9. 1200 STX-R (02-05),STX (03-05), 900 STX (06), STX (12)	SEW64R



Sea Doo	Part No.
XP (Pre 93),SP (Pre 94)	SEW80
GT Family (90-95),GTS(96-00),GTI (96)	SEW82
GTX (96-99),GTI (97-00)	SEW821
22. GTX (00-02)	SEW822
23. GTI (01-05),GTS (01)	SEW823
24. GTI 4-TEC (06-08)	SEW824
XP (93-96),SP Family (94-99)	SEW83
GS,GSX	SEW831
25. XP (97-04)	SEW84
RX/RXX	SEW86
26. HX	SEW87
27. GTX (03-06),4-TEC (02),DI (02)/RXT-X, Wake	SEW88
GTX (07-08),RXP (04-08) Chin Pad	SEW881P
28. GTX (07-09), GTX Limited (08) (non iS)	SEW881
RXT-IS (09)	SEW882
GTX Limited iS (09-12), RXT-X aS 260 & RXT iS 260 (12), GTX 155/215 (12), RXT-X 260 & RXT 260 (12), Wake Pro 215 (12)	SEW883
GTX 130 (11), GTX Ltd 130/155 (12), SE 130/155 (12), GTS 130 (12), Wake 155 (12), GTR 215 (12)	SEW884
29. RXP 215 (04-08)	SEW89
30. RXP-X (04-11)	SEW891
RXP-260 (12)	SEW892

Yamaha	Part No.
SUV	SEW72
Wave Runner III	SEW73
10. 700 Wave Blaster	SEW74
Wave Blaster II	SEW741
Wave Raider	SEW76
Wave Venture (94-96)	SEW78
Wave Venture (97-98)	SEW781
XL1200 (98),XL700 & 760 (98-04)	SEW782
11. XL1200 Limited (99-00),XL800 (00-01)	SEW784
12. XLT1200 (01-05),XLT800 (02-04)	SEW785
GP/GP1200R (99)	SEW79
GP800 (01-02),GP1200 (00-02)	SEW791
13. GP1300R (03-08),GP800R (03-04)	SEW792
14. FX (02-04),FX HO (05-11)	SEWFX
15. FX-SHO (08-11)	SEWFX1
FX-SHO (12), FX HO (12)	SEWFX11
16. FX Cruiser SHO (08-09)	SEWFX1C
FX Cruiser SHO (10-11)	SEWFX1C-T
17. FX Cruiser (03-04)	SEWFXC
18. FX Cruiser HO (05-08)	SEWFX2
FX Cruiser HO (09-11)	SEWFX2-V
FX Cruiser HO & FX Cruiser SHO (12)	SEWFX21
19. FZR (09-11)	SEWFZR
FZR (12)	SEWFZR1
20. FZS (09-12)	SEWFZS
21. VX (05-09), VXS, DLX & SPT (11), not VXR	SEWVX
VX Cruiser (06-11)	SEWVXC
VX Cruiser (12)	SEWVXC1
VXR (11-12)	SEWVXR
VXS/VX Deluxe/VX Sport (11-12)	SEWVX1



# HYDRO-TURF PREMIER CUSTOM ORDER SEAT COVERS

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL



**AZ-SEW62**

<b>KAWASAKI</b>	<b>Part No.</b>
Ultra 250, Ultra LX (07-08), Ultra 260 (09)	<b>AZ-SEW62</b>
STX-12F/15F (06-09)	<b>AZ-SEW641</b>
1200 STX-R (02-05), STX (03-05), 900 STX (06)	<b>AZ-SEW64R</b>



**AZ-SEW74**



**AZ-SEW784**



**AZ-SEW791**



**AZ-SEWFX1**

<b>YAMAHA</b>	<b>Part No.</b>
Wave Blaster 1	<b>AZ-SEW74</b>
XL 1200 (98), XL 700/760 (98-04)	<b>AZ-SEW782</b>
XL 1200 LMT (99-00), XL 800 (02-04)	<b>AZ-SEW784</b>
GP/GP 1200R (99 & Pre 99)	<b>AZ-SEW79</b>
GP 800R (01-02), 1200R (00-02)	<b>AZ-SEW791</b>
GP 800R (03-04), 1200R (03-08)	<b>AZ-SEW792</b>
SHO (08)	<b>AZ-SEWFX1</b>
FZR (09)	<b>AZ-SEWFZR</b>
FZS (09)	<b>AZ-SEWFZS</b>



**AZ-SEWFZR**



**AZ-SEWFZS**



**AZSEW88**

<b>SEA DOO</b>	<b>Part No.</b>
XP (93-96), SP Family (94-99)	<b>AZ-SEW83</b>
GX, GSX	<b>AZ-SEW831</b>
XP (XPL) (97-04)	<b>AZ-SEW84</b>
GTX (03-06), 4-Tec (02), RXT, RXT-X	<b>AZ-SEW88</b>
GTX (07-09)	<b>AZ-SEW881</b>
RXT iS (09)	<b>AZ-SEW882</b>
RXP, 215 (04-08)	<b>AZ-SEW89</b>
RXP-X (08-09)	<b>AZ-SEW891</b>



**AZSEW89**



**AZSEW891**



**AZ-HT68**

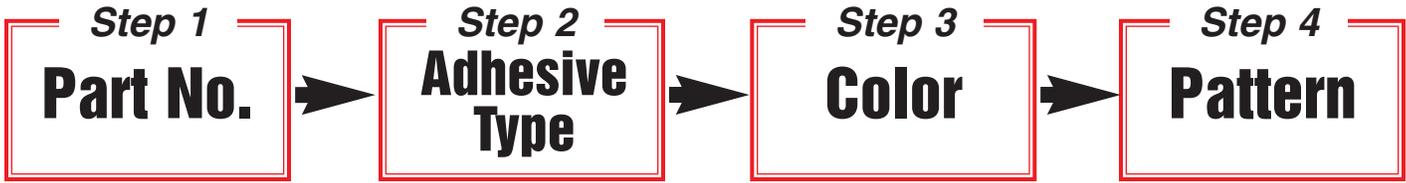
<b>KAWASAKI</b>	<b>Part No.</b>
800 SXR with Lifters	<b>AZ-HT68</b>
800 SXR For Use with Kicker Footholds	<b>AZ-HT68K</b>
800 SXR with Lifters & For use with Blowsion Composite Rail Caps	<b>AZ-HT68RC</b>



**AZ-HT68RC**

<b>YAMAHA</b>	<b>Part No.</b>
SuperJet (96-09) with Lifters	<b>AZ-HT751</b>
SuperJet (96-09) For Use with Kicker Footholds	<b>AZ-HT751K</b>
SuperJet (96-09) For Use with Digger Footholds	<b>AZ-HT751D</b>

# HOW TO ORDER HYDRO-TURF MAT KITS



GLUE DOWN EXAMPLE: HT70-ONG-CD

PSA EXAMPLE: HT70-PSA-ONG-CD

## Step 1 - Find Model and Part No.

### HYDRO-TURF MATS

Hydro-Turf® is a leading manufacturer of performance traction mats and seat covers. Hydro-turf offers some of the best looking, best gripping ride mats on the market. Superior traction grooves and excellent durability are the choice for amateur and professional riders looking to upgrade or replace their existing traction mats.

*All Hot Products stocked Hydro-Turf Mat Kits are black with the Hydro-Turf logo in white. All Kits are "Cut Groove" traction type.*



Yamaha	Part No.	Stocked Color	PSA Available
Wave Runner	HT70	BLK	YES
FX1	HT71	BLK	YES
SUV	HT72	BLK	YES
Wave Runner III	HT73	BLK	YES
Wave Blaster	HT74	BLK	YES
Wave Blaster II	HT741	BLK	YES
Wave Blaster 800	HT742	BLK	YES
Super Jet (90-95)	HT75	BLK	NO
Super Jet (96-08)	HT751	BLK	NO
Wave Raider	HT76	BLK	YES
VXR, VXR-Pro (pre 2010)	HT77	BLK	YES
Wave Venture/XL1200(98)/XL700 & 760 (98-04)	HT78	BLK	YES
XL1200 LTD (99-04), XL800/XLT1200/XLT800	HT784	BLK	YES
GP/GP1200R (99)	HT79	BLK	YES
GP1300R/GP1200R(00-02), GP800R (01-05)	HT791	BLK	YES
FX, FX HO (02-09)	HTFX	BLK	YES
VX (05-09)	HTVX	BLK	YES
VXS/VXR/VX SPT/VX CR/VX DLX (10-12)	HTVX1	BLK	YES
FX SHO (08-11), FZR & FZS (09-12), FX HO (10-11)	HTFX1	BLK	YES
FX SHO & Cruiser (12), FX HO & Cruiser (12)	HTFX2	BLK	YES

Hydrospace	Part No.	Stocked Color	PSA Available
Hydrospace S4 with 2" Kick Tail	HT100	BLK	YES

Polaris	Part No.	Stocked Color	PSA Available
SL/SLX (-99), 785Pro (99-01)	HT90	BLK	YES
Hurricane	HT91	BLK	YES
SLXH(98), SLH, SLX(99)	HT92	BLK	YES
SLH/SLX/Pro 1200 (00-01)	HT921	BLK	YES
SLT, SLTX, X-45	HT93	BLK	YES
Virage, Freedom	HT94	BLK	YES
Genesis	HT95	BLK	YES
Octane (Bottom Mat only)	HT96	BLK	YES
MSX	HT97	BLK	YES

Sea Doo	Part No.	Stocked Color	PSA Available
XP (-93), SP Family (-94)	HT80	BLK	YES
GT Family (90-95), GTI (96), GTS (96-00)	HT82	BLK	YES
GTX (96-02), GTI (97-00)	HT821	BLK	YES
GTS (01), GTI (01-05)	HT823	BLK	YES
GTI 4-Tec (06-08)	HT824	BLK	YES
XP (93-96), SP Family (94-99)	HT83	BLK	YES
GS Family	HT831	BLK	YES
XP (97-04)	HT84	BLK	YES
LRV	HT85	BLK	YES
RX / RXX	HT86	BLK	YES
HX	HT87	BLK	YES
GTX DI (02) & GTX 4-TEC (02-05), GTX (03-08), RXT, RXT-X,	HT88	BLK	YES
GTI 130 (11-12), GTI Ltd 155, SE 130/155 (12), HT884		BLK	YES
GTS 130 (12), Wake 155 (12), GTR 215 (12)			
RXT-X 260 & RXT 260 (12), RXT-X (10-11), Wake Pro 215 (12)	HT885	BLK	YES
RXP (Pre 06)	HT89	BLK	YES
RXP-X (06-11), RXP-X (08-11)	HT891	BLK	YES
3D	HT3D	BLK	YES
RXT iS, iS 260 & aS 260 (09-12)	HT882	BLK	YES
GTX S 155 (Includes PSA), GTX Ltd iS (09-12)			
RXP-X 260 (12)	HT892	BLK	YES

\*All HT882 are supplied with 300 LSE PSA 3M adhesive pre applied for a Peel & Stick installation.

Kawasaki	Part No.	Stocked Color	PSA Available
JS300/440/550	HT20	BLK	YES
JF650X2	HT40	BLK	YES
JS550SX	HT55	BLK	YES
ZXi	HT60	BLK	YES
Ultra 150, Ultra 130	HT61	BLK	YES
Ultra 250X/LX (07-12), 260X/LX (09-12)	HT62	BLK	YES
ST/STS/750STX&900STX (pre 99)	HT63	BLK	YES
STX1100 (97-99)	HT631	BLK	YES
STX900 (99-00), 900STS (01-02)			
STX1100DI (00-02), All STX (01-12), 12F, 15F, STXR	HT64	BLK	YES
JF650SX	HT65	BLK	YES
750SS/XI/XIR	HT66	BLK	YES
JF750SX/SXI	HT67	BLK	YES
800 SX-R	HT68	BLK	YES
800 SX-R with Kick Tail (1")	HT68K	BLK	YES

Honda	Part No.	Stocked Color	PSA Available
F-12/F-12X	HT05	BLK	YES
R-12/R-12X	HT06	BLK	YES
F-15X (08)	HT07	BLK	YES

**All Hydro-Turf Mat Kits are now available with "PSA" (3M 486 MP Pressure Sensitive Adhesive). PSA Mat Kits are special order only and additional fees will apply.**

# Step 2 - Select Glue Down or Pressure Sensitive Adhesive

## Glue Down Type

Glue Down comes standard and no code is necessary.

Glue Down mats have the Hydro-Turf die cut logo.



PSA adhesive mats have the Hydro-Turf oval logo.

## PSA Type



PSA type mats use 3M 486MP Pressure Sensitive Adhesive

# Step 3 - Select the Color

## STANDARD COLORS

Color: Black Code: BLK	Color: Deep Blue Code: DB	Color: Light Blue Code: LBL	Color: Royal Blue Code: ROY	Color: Light Gray Code: LGY	Color: Dark Gray Code: DGY	Color: Dark Green Code: DG	Color: Lime Green Code: LGN	Color: Orange Code: ONG
Color: Pink Code: PK	Color: Purple Code: PUR	Color: Deep Purple Code: DP	Color: Red Code: RED	Color: Tan Code: TAN	Color: Teal Code: TEL	Color: Yellow Code: YLW	Color: White Code: WHT	Color: Black Marble Code: BM
Color: Royal Marble Code: RM	Color: Snow Camo Code: SNCAM	Color: Blue Camo Code: BLCAM	Color: Swamp Camo Code: SWCAM	Color: Purple Marble Code: PM	Color: Yellow Camo Code: YWCAM	Color: Green Camo Code: GNCAM	Color: Tan Camo Code: TNCAM	

## 2-TONE COLORS

Top Color: Black Grooves: White Code: 2TBLK/WHT	Top Color: Black Grooves: Dark Gray Code: 2TBLK/DGY	Top Color: Black Grooves: Orange Code: 2TBLK/ONG	Top Color: Black Grooves: Lime Green Code: 2TBLK/LGN	Top Color: Black Grooves: Red Code: 2TBLK/RED	Top Color: Black Grooves: Pink Code: 2TBLK/PK	Top Color: Black Grooves: Royal Blue Code: 2TBLK/ROY	Top Color: Black Grooves: Yellow Code: 2TBLK/YLW
Top Color: Dark Gray Grooves: Black Code: 2TDGY/BLK	Top Color: Lime Green Grooves: Black Code: 2TLGN/BLK	Top Color: Lime Green Grooves: Black Code: 2TLGN/WHT	Top Color: Royal Blue Grooves: Black Code: 2TROY/BLK	Top Color: Royal Blue Grooves: White Code: 2TROY/WHT	Top Color: Red Grooves: Black Code: 2TRED/BLK	Top Color: Red Grooves: White Code: 2TRED/WHT	Top Color: Tan Grooves: Black Code: 2TTK/BLK
Top Color: Tan Grooves: White Code: 2TTK/WHT	Top Color: Yellow Grooves: White Code: 2TYLW/WHT	Top Color: Pink Grooves: White Code: 2TPK/WHT	Top Color: Purple Grooves: Yellow Code: 2TPUR/YLW	Top Color: Black Grooves: Light Gray Code: 2TBLK/LGY	Top Color: Light Gray Grooves: Black Code: 2TLGY/BLK	Top Color: Light Gray Grooves: White Code: 2TLGY/WHT	Top Color: Light Gray Grooves: Royal Blue Code: 2TLGY/ROY

# Step 4 - Select the Pattern

## PATTERNS

<b>CUT GROOVE</b> Available in all colors Code: CG	<b>CUT DIAMOND</b> Available in all colors Code: CD	<b>MOLDED GROOVE</b> Available in Black Only Code: MG	<b>MOLDED DIAMOND</b> Available in Black & Dark Gray Only Code: MD	<b>WAFFLE CUT</b> Available in all colors Code: WC

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL

# HOW TO ORDER HYDRO-TURF SHEETS

**Step 1**  
**Code**

**Step 2**  
**Adhesive Type**

**Step 3**  
**Pattern**

**Step 4**  
**Color**

GLUE DOWN EXAMPLE: SHT37-WC-2TBLK/WHT

PSA EXAMPLE: SHT37-PSA-WC-2TBLK/WHT

**Step 1 - Select Code SHT 40 or SHT 37**  
SHT40 = Regular Color. Size of sheet 40" x 62"\*  
SHT37 = 2-Tone Color. Size of sheet 37" x 58"\*

**Step 2 - Select Adhesive Type**  
Glue Down or PSA  
*(Glue Down comes standard and no code is necessary)*

**Step 3 - Select Pattern Code from page 239**

**Step 4 - Select Color from page 239**

*\*All Hydro-Turf Sheets are supplied with Raw unfinished edges and are supplied oversized to guarantee the useable size is as listed in the item description.*



SHTUPAD5



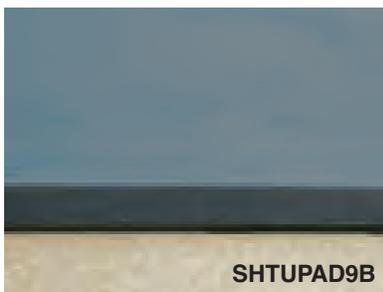
SHTUPAD8



SHTUPAD25R

## HYDRO-TURF (GRAY) UNDERPAD

Size	Description	Color	Part Number
39" x 19"	Underpad 5mm	Gray	SHTUPAD5R
39" x 78"	Underpad 5mm <i>Large Sheet</i>	Gray	SHTUPAD5
39" x 19"	Underpad 8mm	Gray	SHTUPAD8R
39" x 78"	Underpad 8mm <i>Large Sheet</i>	Gray	SHTUPAD8
39" x 19"	Underpad 25mm	Gray	SHTUPAD25R



SHTUPAD9B



SHTUPAD18B



SHTUPAD26B

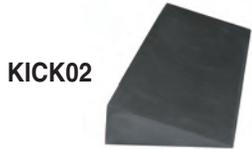
## HYDRO-TURF (BLACK) UNDERPAD

Size	Description	Color	Part Number
48" x 17.5"	Underpad 9mm	Black	SHTUPAD9B
48" x 88"	Underpad 9mm <i>Large Sheet</i>	Black	SHTUPAD9
48" x 17.5"	Underpad 18mm	Black	SHTUPAD18B
48" x 88"	Underpad 18mm <i>Large Sheet</i>	Black	SHTUPAD18B-1
48" x 17.5"	Underpad 26mm	Black	SHTUPAD26B



## HYDRO-TURF KICK TAIL

Add a kick tail to your watercraft 1" or 2" wedge. If installed under the traction mats, some models of watercraft may require an extended mat.



Description	Part No.
Kick Tail 5.5" x 17" x 1" Tall	KICK01
Kawasaki 800 SX-R Mat with 1" Kick Tail	HT68K-BLK
Kick Tail 5.5" x 17" x 2" Tall	KICK02



## SIDE LIFTER WEDGE

For a quick and semi-permanent advantage. Great when used for racers & beginner freestylers. Provides the "wedge" you need. Color: Black Only

Description	Part No.
2" x 13" Black x 2 pieces	TS43
2.5" x 24" Black x 2 pieces	TS44

## HYDRO-TURF TRACTION STRIPS



Description	Part No.
2"x15" Traction Strips 8 pieces per package	TS02
4"x15" Traction Strips 4 pieces per package	TS04



## HYDRO-TURF SPLASH GUARDS

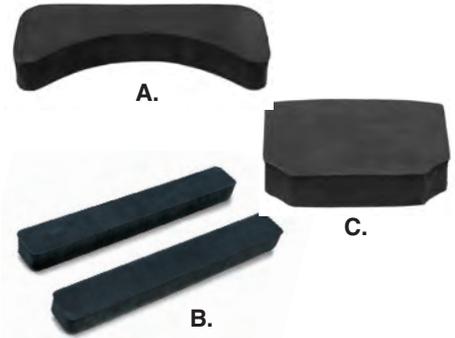
Description	Part No.
Hydro-Turf Splash Guard (5.5" x 40") Rivets Included	57-7035



## HYDRO-TURF HOOD SEALS

Quality replacement foam hood seal gaskets.  
Replaces OEM 92065-539

Description	Part No.
Kawasaki JS300 (86-88), JS440 (77-92), JS550 (82-89), JS550SX (90-95), Yamaha Super Jet	TS56



## HANDLE POLE SHOCK PADS

Protects engine hood from damage when Handlepole is dropped. Color: Black only

Description	Part No.
A. Kawasaki 750SX/SXI/800SXR (1)	TS401
B. Kawasaki JS440/550 (2)	TS411
C. Yamaha Super Jet (1)	TS421



## WATCON YAMAHA SUPERJET & OCTANE HOOD SEAL

Replace your hood seal with our updated version. The self adhesive seal is much thicker and wider, which keeps the hood intact during the wide-open surf rides and big wave action. We supply appx. 110" of material, as this is enough for a 1994-2010 Superjet & 2002-2004 Polaris Octane. This material may also be used in other applications.

Description	Part No.
Superjet Octane Hood Seal	OCT-HS

FOUR STROKE	INTAKE SYSTEMS	ENGINE/GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES	SERVICE TOOLS /HARDWARE	CHEMICAL
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## HYDRO-TURF SPECIAL MATS FOR KAWASAKI 750 & 800



HT67F\*

HT68BF\*

HT68RC\*

\*All special mats only available in black.

These mats are produced using the "Cut Groove" material.

## HYDRO-TURF SPECIAL MATS FOR YAMAHA SUPER JET



HT751F\*

HT751FD\*

HT751BF\*

\*All special mats only available in black.

These mats are produced using the "Cut Groove" material.

Kawasaki	Part No.
750SXI Mats for use with "Digger" Footholds	HT67F*
800 SXR Mats for use with "Kicker" Footholds and Blowsion Rail Caps	HT68BF*
800 SXR Mats for use with "Klowners" Footwells and Blowsion Rail Caps	04-02-023*
800 SXR Mats with 1" kick tail for use with Blowsion Rail Caps	HT68RC*
Blowsion Composite Rail Caps	KASRUP402

\*These mats are not available with "PSA" 3M adhesive.

Yamaha	Part No.
Super Jet (96-11) Mats for use with Wamilton Footholds	HT751F*
Super Jet (96-11) Mats for use with Blowsion "Digger" Footholds	HT751FD*
Super Jet (96-11) Mats for use with Blowsion "Kicker" Footholds	HT751BF*
Super Jet (96-11) Mats for use with Blowsion "Klowners" Footwells	04-02-077*
Bumper Rail Strips/Mats for (all stand up models)	TS50-BLK

\*These mats are not available with "PSA" 3M adhesive.



### BLOWSION DIGGER FOOTWELLS

Custom extruded and molded to fit your feet, the Dawson Digger footwell has been designed and updated for 2007. Considered a must have modification for any surf or freerider. The Digger features a recessed "notch" at the back of each footwell to allow rider to wedge foot during tail stands & surf recoveries. For HT67F & HT751FD.

Description	Part No.
Dawson Diggers	05-03-004
Superjet (96-08) Mats for use with Blowsion "Digger" Footholds	HT751FD
750SXI Mats for use with Blowsion "Digger" Footholds	HT67F



### WAMILTON "RICKTER" FOOTWELLS

A must have for surf riding. These Wamilton fiberglass footwells work with Hydro Turf SuperJet freestyle mats. For HT751F.

Description	Part No.
Superjet Rickter Footwells	FHWAM
Superjet (96-08) Mats for use with Wamilton "Rickter" Footwells	HT751F



### BLOWSION LUSTIC KICKER FOOTWELLS

Designed especially for all years Super Jet and the 800 SXR, these beauties have been used exclusively by Josh Lusic on his Blowsion prepared Factory Pro Kawi SXR 800. These custom molded fiberglass insets provide the room in the tray of your ski for lock down aerials. For HT68BT & HT751BF.

Description	Part No.
Lusic Footwell	05-03-005
800 SXR Mats for use with "Kicker" Footholds & Blowsion Rail Caps	HT68BF
Superjet (96-08) Mats for use with Blowsion "Kicker" Footholds	HT751BF

### BLOWSION FOOTWELLS MAC MASHERS

No cutting of the wide SXR tray required. Design in conjunction with pro Kawasaki rider Chris MacClugage and Darren Hedlund. Experience the feel of a standard footwell cut out without having to notch out your SXR tray. 100% race legal.

Description	Part No.
Mac Footwell	05-03-006



### BLOWSION FOOTWELLS KLOWNERS

Designed especially for the rider who needs MAX room in the tray. These hand-laid, molded fiberglass insets provide extended room in the tray of your ski to position your feet. Comfortably sized for large to very large feet, the Klowner footwells contour to your ankle and also feature a gentle protrusion over the top of your foot for better locking power. Built with safety and performance in mind, the Klowner footwells will keep you in your ski while inverted, and also easily let you go when you feel like you're going to need a hurried dismount to avoid facial impact on fiberglass.

Description	Part No.
Klowners Footwell	05-03-007
Super Jet (96-11) Mats for use with Blowsion "Klowners" Footwells	04-02-077
800 SXR Mats for use with "Klowners" Footwells & Blowsion Rail Caps	04-02-023





**FRONT HOOD HOOKS (96+SJ)**

Don't lose your hood again due to poor spring tension with the stock hooks. Our billet aluminum hooks won't tweak or budge in even the most extreme of conditions. Carbon grey anodized. Sold as a pair complete with stainless fasteners.

Description	Part No.
Superjet Hood Hooks	04-04-105



**FRONT HOOD HOOKS (SX-R)**

Utilizing the many years of Super Jet Freestyle and surf quality hood hook design experience, these bulletproof SX-R billet hood hooks allow for the ultimate abuse of your 2003 and newer SX-R on the race course, river or in big surf.

Description	Part No.
SX-R Hood Hooks	04-04-101



**BILLET HOOD LATCH**

Recently updated and re-machined to also fit the Kawasaki SXR800, SXI Pro all Yamaha Superjet and FX1.

Description	Part No.
Hood Latch Black	04-04-001
Hood Latch Green	04-04-004
Hood Latch Red	04-04-007
Hood Latch Clear	04-04-008



**SXR HAND HOLD KIT MID MOUNT**

SXR Mid Mount drop-in hand holds for stock hoods.

\*Left side mount will not fit with Factory Dry Pipe

Part No.	05-04-213
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**SXR HAND HOLD KIT STANDARD MOUNT**

SXR forward Mount drop-in hand holds for stock hoods.

Part No.	05-04-214
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**SJ96+ HAND HOLD KIT MID MOUNT**

Super Jet 96+ Mid mount drop-in hand holds for stock hoods.

Part No.	05-04-271
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**HAND HOLD KIT "Q" HOLD MOUNT**

Universal mount drop-in hand holds are easily located on any flat surface.

Part No.	05-04-203
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**WAVEBLASTER SPRAY NOZZLE BLOCK-OFF**

This little fitting neatly replaces the water spray nozzle found on the rear of Yamaha WaveBlasters.

Description	Part No.
Spray Nozzle Block-Off	81-736



**BLOWISION STAINLESS HOOD LATCH ASSEMBLY**

Fits all 650/750/800/X2 Kawasaki. May also be used to retro-fit all years Yamaha Superjet and FX1. Comes complete with latch assembly and hood clip. 100% polished stainless. Trick and functional. Why incur the factory OEM replacement expense?

Description	Part No.
Blowision Stainless Hood Latch	04-04-030



**SX-R RAIL CAPS**

Newly re-tooled and now an even better fit! The composite crew at Blowision has made new mold sets off of Blowision's SX-R Carbon Hull making these new generation SX-R Rail Caps a PERFECT fit! A complex fitting piece now made with the best fit and features available. Get rid of those extremely slippery factory rubber black rails and go composite.

Description	Part No.
Blowision SX-R Rail Cap	05-04-001
800 SX-R Mats for use with "Kicker" Footholds and Blowision Rail Caps	HT68BF
800 SX-R Mats with 1" kick tail for use with Blowision Rail Caps	HT68RC



**BRAP STRAP**

Strap and secure your hood to avoid accidental dislodging during freestyle

and freeride maneuvers. Replaces stock latch assembly. All mounting hardware included. A must for extreme ocean and big wave riders. "Cinchable" strap tension means you pre-load strap holding power. Fits all SJ, SXR800, FX1, 750sxi and Octane. EJ-Pam 2008 approved!

Description	Part No.
Blowision Brap Strap	04-04-310

FOUR STROKE	INTAKE SYSTEMS	ENGINE/GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES	SERVICE TOOLS /HARDWARE	CHEMICAL
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Yamaha 57-6280



Kawasaki 57-6270



Yamaha 57-6285



Kawasaki 57-6275

## HOT PRODUCTS

### STAINLESS STEEL NOSE BUSHINGS

These stainless Steel nose bushings have been developed to prevent corrosion from salt water and the extra strength and durability will allow the bushings to last years longer than the aluminum bushings. Even the nose bushing nut is stainless steel.

Description	Part No.
Yamaha All	57-6285
Kawasaki 89+	57-6275

### HOT PRODUCTS ALUMINUM NOSE BUSHINGS

Description	Color	Part No.
Yamaha All	Silver	57-6280
Yamaha All	Black	57-6281
Kawasaki 89+	Silver	57-6270
Kawasaki 89+	Black	57-6272



### KAWASAKI OEM 800 SX-R HOOD AIR INTAKE BLOCK-OFF KIT

The easy solution to water slamming its way into your OEM SXR hood. This trick block-off kit will allow you to stop ingress of water into the engine compartment, thus limiting the damage caused by racing in rough conditions, wave jumping, submarines, etc. Trick and simple!

Description	Part No.
800 SX-R Intake Block-Off	04-04-401



### STORAGE COMPARTMENT & SEAT LATCH ASSEMBLY FOR SEA DOO

Economy replacement of plastic latch assembly used in most Sea Doo watercraft.

Description	Part No.
Seat Latch Assembly (OEM # 269-00-016)	011-800
Front Compartment Latch RX, RXDI, GTI LE, GTI XP 03-04 (OEM # 269-501-125)	011-805



### HOOD BAFFLE INSERT FOR FACTORY PIPE 800 SX-R

Use this composite drop in baffle insert to cover the area removed during installation of the factory pipe dry pipe for Kawasaki 800SX-R.

Description	Part No.
Hood Insert 800 SX-R	05-02-108



### AWD PRODUCTS QUICK LOOP

A flexible tow loop is required for all watercraft of IJSBA Race. Specially designed to meet IJSBA regulation.

Description	Part No.
Watercraft with "Tow Hook"	QL-01
Watercraft with "Bow Eye"	QL-02



### R&D SPACE MAKER HOOD INSERT FOR YAMAHA SUPERJET

This insert allows you to remove a portion of the stock hood inner liner and foam, replacing it with the Space Maker Hood Insert creating the extra clearance needed to run the Super Jet Dry Pipe.

Description	Part No.
Yamaha Super Jet	652-70110

**BLOWSION**  
KUSTOM DESIGN



**BLOWSION BILLET KAWASAKI FUEL CAPS**

Kawasaki	Part No.
Black	04-03-101
Blue	04-03-102
Green	04-03-104
Red	04-03-107
Clear	04-03-108

**BLOWSION**  
KUSTOM DESIGN



**BLOWSION LOW PROFILE BILLET YAMAHA FUEL CAPS**

Yamaha	Part No.
Low Profile Black	04-03-151
Low Profile Blue	04-03-152
Low Profile Red	04-03-157
Low Profile Clear	04-03-158



**RIVA BILLET CHOKE KNOB**

Yamaha	Part No.
RIVA Racing Billet Choke Knob Silver	RY843P



**HOT PRODUCTS BILLET SEA DOO FUEL CAPS**

Sea Doo	Part No.
Platinum	50-9530



**ADA RACING BILLET FUEL CAP SOCKET**

Billet aluminum fuel cap socket for the Yamaha Super Jet, WaveBlaster, & Wave Raider or Kawasaki 800 SX-R, 12/15F, STX-R, 1100ZXI & 900 STX. Works with the stock plastic or aftermarket billet gas caps. Includes attached chain.

Description	Part No.
Yamaha Fuel Socket Black	34-450100
Kawasaki Fuel Socket Black	31-450100

**BLOWSION**  
KUSTOM DESIGN



**BLOWSION EXTENDED ALUMINUM NOSE BUSHING**

Description	Part No.
Clear	04-03-058
Black	04-03-051

**BLOWSION**  
KUSTOM DESIGN



**BLOWSION BILLET EXHAUST NOZZLE FOR 800 SXR**

Kawasaki 800 SXR	Part No.
Clear	04-03-208
Green	04-03-204
Red	04-03-207
Black	04-03-201

**BLOWSION**  
KUSTOM DESIGN



**BILLET EXHAUST NOZZLE FOR YAMAHA SJ96+**

Yamaha SJ96+	Part No.
Clear	04-03-258
Blue	04-03-252
Red	04-03-257
Black	04-03-251

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL



SRP Enterprises, Inc.

Factory Matched Number Kits that resist fuel, fading and scratches. UV coated for shine and protection from the sun. Includes 4 sets of A-Z, 0-9. Total of 146 decals. Size 3" letters.

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL

<b>Series 200</b> The original and still the most popular. Outline color shades into body color for that custom airbrushed look.	BLUE & BLACK  BLBKG200	YELLOW & BLACK  YEBKG200	REAL CHROME & BLACK  CHBKG200
	RED & BLACK  REBKG200	YELLOW & PURPLE  YEPUG200	WHITE & BLACK  WHBKG200
	BURGUNDY & BLACK  RUBKG200	YELLOW & RED  YEREG200	SILVER & BLACK  SIBKG200
<b>Series 300</b> The first and still the best Factory Matched Carbon Fiber look made.	BROWN & BLACK  BRBKG300	BLUE & BLACK  BLBKG300	REAL CHROME & BLACK  CHBKG300
	FOREST GREEN & BLACK  TEBKG300	RED & BLACK  REBKG300	WHITE & BLACK  WHBKG300
	SILVER & BLACK  SIBKG300	YELLOW & BLACK  YEBKG300	BURGUNDY & BLACK  RUBKG300
<b>Series 320</b> Solid body with no shading and a contrasting outline with drop shadow in our popular block font.	BLACK & SILVER  BLKSI320	BROWN & BLACK  BRBLK320	REAL GOLD GLITTER & BLACK  GOSPK320
	ORANGE RED & BLACK  ROBLK320	RED & BLACK  REBLK320	SEA FOAM GREEN & BLACK  SFBLK320
	SILVER & BLACK  SIBLK320	REAL SILVER GLITTER & BLACK  SISPK320	GREEN & BLACK  TEBLK320
<b>Series 305 EC</b> Same font as our series 320 except no outline. Solid body color.	SOLID BLACK  BLK350EC	SOLID RED  RED350EC	<b>Series 200 EC</b> Economical one color kits with great style and solid color.
	SOLID TEAL  GRN350EC	SOLID WHITE  WHI350EC	
			SOLID BLACK  BLK200EC
			SOLID WHITE  WHI200EC

# AQUA Performance

## AQUA PERFORMANCE "AQUA STEPS"

The spring-loaded stainless steel step stays in the upward position until needed for added safety benefits. The step features a soft marine foam covering for your non-slip protection and grip. It comes completely assembled with all stainless steel hardware.



Yamaha	Part No.
FX140, HO	Not Available
Wave Blaster (93-95) Wave Raider 701 (94)	1077Y-BLK
Wave Raider 701, 1100 (95)	1100YD-BLK
Wave Raider 701, 760, 1100 & STS (96-98)	1100WWD-BLK
Wave Runner III 650 (90-95)	1077Y3D-BLK
Wave Runner LX, VXR, Pro VXR (all years)	1070XL-BLK
Wave Venture 701/760/1100 (96-00)	1070XL-BLK
XL701/760 (98-03)	1070XL-BLK
XL800, XLT800 (00-03)	1072XL-BLK
XL1200 (98)	1070XL-BLK
XL1200, XLT1200 (99-04)	1072XL-BLK
XL1200 LTD (99-01)	1072XL-BLK

Honda	Part No.
Aquatrax F-12, F-12X, R12X (02-04)	2002ATX-BLK

Polaris	Part No.
SLH (98-01)	1096SLTX-BLK
SLTH (98-00)	1096SLTX-BLK
SLTX (96-00)	1096SLTX-BLK
SLXH (98-00)	1096SLTX-BLK
Virage, TX, TXI, Freedom (00-04)	1096SLTX-BLK
SLT 700 (96-99)	1075PDT-BLK
SLT 750 (95)	1075PDT-BLK
Hurricane All	1075PDT-BLK

Sea Doo	Part No.
GS (97-02) GSI (97)	1098GS-BLK
GSX (96-00)	1096GXD-BLK
GTI, GTI LE (96)	1095XPD-BLK
GTI/GTI LE (97-04)	1097GTX-BLK
GTI, RFI (05)	2005RFI-BLK
GTI, GTI SE, GTI 130 (96-08)	2006GTI-BLK
GTS (94-96)	1077GD-BLK
GTS (97-00)	1098GTS-BLK
GTS (01-02)	1097GTX-BLK
GTX (94-95)	1077GD-BLK
GTX (96-03)	1097GTX-BLK
HX (95-98)	1085HXD-BLK
RX, RXDI (00-03)	1098GTS-BLK
RXP, RXP 215 & 115, RXP-X 255, RXT (04-07)	2004RXP-BLK
RXT-X 255HP (08-10)	2008RXT-BLK
RXT-X 260 (10-11), RXT-X aS 260	2010RXT-BLK
SP (88-93) SPI (88-93) SPX (92-93)	1077S3D-BLK
SP (96) SPI (96-98)	1096SXD-BLK
SP (97-98)	1098SP-BLK
SPX (96-00), XP/XP DI (96-04)	1096SPD-BLK
XP, XPDI (95)	1095XPD-BLK

Kawasaki	Part No.
ZXI 750/900/1100 All	1090KZD-BLK
900STS (01)	1097KTX-BLK
STX 750/900/1100 (96-00)	1097KTX-BLK



### Sticker-On! Decal Application Fluid

No more bubbled on or wrinkled decals.

### Sticker-Off! Decal Adhesive Remover

Removes messy sticker residue.

Description	Part No.
Sticker-On 2 oz.	964
Sticker-Off 2 oz.	965

0123  
456  
789

## RACING NUMBERS

3 per package. 8" Tall. Black color only.

Number	Part	Number	Part
#0	H1310	#5	H1315
#1	H1311	#6	H1316
#2	H1312	#7	H1317
#3	H1313	#8	H1318
#4	H1314	#9	H1319



## CARBON FIBER NUMBER PLATE BACKGROUNDS

Add style to your number plate background and still be race legal. 3 backgrounds per package.

Style	Yellow	White	Orange
Precut	7248	7249	—
Slanted	8248	8246	8251
Universal	9248	—	9251

FOUR STROKE  
 INTAKE SYSTEMS  
 ENGINE/GASKETS  
 EXHAUST  
 DRIVE LINE HANDLING  
 ELECTRICAL  
 WATERLINE /BILGE  
 STEERING & CONTROLS  
 BODY  
 ACCESSORIES  
 SERVICE TOOLS /HARDWARE  
 CHEMICAL



### BULLETT RACING LIGHTWEIGHT SXR HOOD

BulleTT's lightweight SXR hood is extremely strong and very durable all while coming in 12lbs lighter than a OEM Kawasaki SXR hood. The hood is predrilled for installation

of the OEM hardware and utilizes the OEM hood seal. Feature additional clearance for installation of a Factory pipe. Gloss gel coated finish.

Description	Part No.
BulleTT Racing Lightweight SXR Hood	HOOD-KB

# BULLETT Racing

## BULLETT RACING GEN 1 HULL

"BulleTT" has used all three decades of knowledge & design skills to revolutionize the Kawasaki 800 SXR hull. "BulleTT" has developed a blue printed, trued hull that is stronger than an OEM Kawasaki hull.

- BulleTT Gen 1 hulls feature:
- 70lbs lighter than the stock OEM Kawasaki hull
  - No customer engineering necessary
  - The hull comes Gel Coated for a strong durable finish
  - Dual cooling standard
  - Trim cable tube installed
  - 2 1/2" High Flow Rear Exhaust
  - Hulls are supplied with a fitted lightweight hood and BulleTT ride plate
  - Handlepole, gas filler, hood latch, motor mounts, fuel tank and water box mounts are pre-drilled for easy installation and assembly
  - Macc Racing sponsons built in providing more interior space for triple pipes
  - Built in rail caps
  - Blue printed and trued hull for superior handling
  - Hull will accept Kawasaki 750, 800, 900 & 1100 engines

Description	Part No.
BulleTT Racing Gen 1 Hull (SXR Replica)	HULL-KV1
BulleTT Racing Gen 1 Hull (X-2 replica)	X2HULL-KV1

## BULLETT RACING 2012 GEN 2 HULL

The New 2012 Gen 2 Hull incorporates all of the features of the BulleTT Racing Gen 1 hull and adds these new features to create the Gen 2.

- New Gen 2 Features:
- New redesigned intake, greatly improving the hook up.
  - Reverse chine in the rear of ski to improve corner stability and straight line tracking.
  - New BulleTT Racing "Wideboy" rider tray
    - 3" wider in the front of tray
    - 2" wider in the rear of tray
- The "Wideboy" tray creates a wider rider stance, creating a better feel, more control and balance in all water conditions.
- BulleTT Racing Intake Pump Shoe
  - BulleTT Racing Intake Grate
  - BulleTT Racing Bow Eyes
  - BulleTT Racing Carbon Nose Cowls
- \*The Gen 2 requires a extended driveshaft (not included with the hull)*

Description	Part No.
BulleTT Racing 2012 Gen 2 Hull (Pro-Model SXR)	HULL-KV2
BulleTT Racing 2012 Gen 2 Hull (Pro-Model X-2)	X2HULL-KV2



### BULLETT RACING CARBON FIBER RIDE PLATE

BulleTT's ride plate will improve overall speed & handling of your watercraft making your riding experience the best possible. Carbon compressed molded to

retain the plate will retain its shape and design and not bend like aluminum ride plates. Improves lean angle, straight line tracking and overall grip

Description	Part No.
BulleTT Racing 800 SXR Carbon Fiber Ride Plate	RP-KAW



## SUPERJET FACTORY DECAL KIT

Description	Part No.
A. Star SuperJet Factory	STAR-RED
	STAR-BLUE
	STAR-GREEN
B. Stripe SuperJet Factory	STRIPE-RED
	STRIPE-BLUE
	STRIPE-GREEN
C. Logo SuperJet Factory	LOGO-RED
	LOGO-BLUE
	LOGO-GREEN

## HOT PRODUCTS RACING OUTDOOR/EVENT BANNER



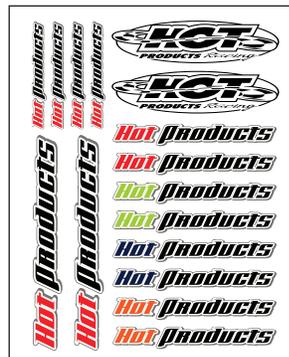
Hot Products Racing Banner. 10' wide by 3' tall. Outdoor vinyl with grommets to hang the Banner up. The Banner is orange with white lettering.

Description	Part No.
Hot Product Racing Banner	BANNER-ORANGE

## HOT PRODUCTS DIE CUT DECALS



Die Cut Decal Size	White	Black
3.25" x 10.5"	70-9130	70-9131
3.5" x 12"	70-9132	70-9133
6.5" x 23"	70-9136	70-9137



## HOT PRODUCTS DECAL SHEET

This sheet of Hot Products Decals has a total of 16 die cut stickers ready to peel off and install on your PWC.

Description	Part No.
Hot Products Decal Sheet 8" x 12 1/2"	70-9148



FOUR  
STROKE  
INTAKE  
SYSTEMS  
ENGINE/  
GASKETS  
EXHAUST  
HANDLING  
DRIVE LINE  
ELECTRICAL  
WATERLINE  
/BILGE  
STEERING  
& CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS  
/HARDWARE  
CHEMICAL

# JetTribe

## PREMIUM PWC COVERS

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
SERVICE TOOLS ACCESSORIES /HARDWARE  
CHEMICAL



**Internal Identification Tag**



**Waterproof Dobby Nylon with 3 Layers of PVC Coating Underneath**



**Zippered Gas Flap Opening on Most Models**



**Fat Adjustable Shock Cords are Sewn in Full Length on of the Cover**



**Reinforced Nose Pin Openings**



**2" Tie Downs with Buckles**

*\*Sitdown Jet Tribe PWC Covers have 4 Tie Down Points*

*\*Stand Up Jet Tribe PWC Covers have 3 Tie Down Points*

**Tie Down end has a "Loop N Draw" System for a Tight Secure Fit**



**Upper/Lower Bow Area is Reinforced with PVC Abrasion Resistant Material**



### KAWASAKI

### Part No.

ZXI 750 & 900 (95-97), ZXI 1100 (96-03)	KWS05001
SS750 (92-97), SSXI (93-99) Super Sport	KWS05005
ULTRA 150 (99-05), ULTRA 130DI (01-05)	KWS05007
900 STX (01-05), 1100 STX DI (02-03)	KWS05009
1100 STX (00-05), 1200 STX-R (02-04), STX-12F (03-04)	
ST 750 (93-95), STS 750 (95-97), 750 STX (98), 900 STX (97-98)	KWS05010
STX-15F (04-09), STX-12F (05-09), STX-BASE (09)	KWS05011
X2 650 (86-95)	KWS05012
STX 900 (99-00), STX 1100 (97-99), STS 900 (01-02)	KWS05014
300 (86-88), 440 (77-92), 550 (82-91)	KWS05002
ULTRA 250X/LX (07-10), ULTRA 260 X, ULTRA 260 LX (09-10) "Cruiser Seat", 300X, LX (11-12)	KWS05018
750 SX (92-95), 750 SXI (95,96,00), 750 SXI PRO (98-01)	KWS05003
800 SX-R (03-10)	KWS05008

### HONDA

### Part No.

Aquatrax R-12X (03-08)	HDA02001
Aquatrax F12/F12X (02-08)	HDA02002
Aquatrax F12/F12X GP SCAPE (08)	HDA02002
Aquatrax F15X GP SCAPE (09)	HDA02006

### HYDROSPACE

### Part No.

Hydrospace S4 (06-09)	HSR07001
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# JetTribe

## PREMIUM PWC COVERS

SEA DOO	Part No.
GTX 96-02), GTX DI (00-01), GTX RFI (97-02), GTI (97-00), GTX-LTD (96-01)	<b>SDO03014</b>
XP 650 (93-96), SPX (96-99)	<b>SDO03006</b>
XP (97-02), XP DI (03-04)	<b>SDO03003</b>
GSX (96-01), GSX LTD (96-01), GSI (96-01), GSX RFI (99-00)	<b>SDO03004</b>
RX (00-02), RX DI (00-03), RXX (01)	<b>SDO03005</b>
SP (93-99), SPI (93-99), SPX (93-95)	<b>SDO03006</b>
RXP (05-07), RXP-X (08-09), 215	<b>SDO03010</b>
LRV (99-03), LRV DI (99-03), 4 Seater	<b>SDO03011</b>
HX (95-97)	<b>SDO03012</b>
GTX RFI & LTD (98-02), GTI (97-00)	<b>SDO03014</b>
GTI (01-05), GTS (01-05), GTI LE RFI (01-05)	<b>SDO03015</b>
GTI RFI (01-05), GTRI LE (01-05)	<b>SDO03015</b>
GT (90-91), GTS (93-00), GTI (96), GTX (93-95)	<b>SDO03016</b>
3-D, 3-D DI (04-08)	<b>SDO03017</b>
GTX-LTD (04-08), GTX DI (02-03), GTX 4-TEC Supercharged (03-06), RXT (05-09), RXT-X 255 (08-10), GTX 4-TEC (02-06), GTX Wake Board Edition (04-09), GTX (07-08)	<b>SDO03018</b>
GTX Wake (07-08), GTX Wake, Wake PRO 215, 155 (08-10)	<b>SDO03019</b>
GTI (06-10), GTI SE 130, 155	<b>SDO03021</b>
GTX-LTD IS / RXT IS 260 (09-10)	<b>SDO03021</b>
RXT-X 260, RXT 260 (10-12), Wake 155 (11-12), Wake Pro 215 (10-12), GTX 155 & 255 (09-12) non iS model/ no suspension, GTS 130, GTI 130, GTI SE, GTI Ltd 155 (11-12)	<b>SDO03022</b>
RXP-X 260 (2012)	<b>SDO03024</b>

YAMAHA WAVE RUNNER	Part No.
GP 1200R (00-02), GP1300R (03-08), GP 800R (01-05)	<b>YMH04001</b>
GP 1200 (97-99), GP 760-800 (97-00)	<b>YMH04002</b>
XL 700 (99-03), XL 760 (98-99), XL 1200 (98)	<b>YMH04006</b>
SUV 1200 (99-03)	<b>YMH04008</b>
WAVE RUNNER XL 1200 LTD (99-00), XL 800 (00-01), XLT 1200 (01-03), XLT 800 (02-03)	<b>YMH04011</b>
Wave Runner FX 140 (02-05)	<b>YMH04012</b>
Wave Runner FX Cruiser (03-06)	<b>YMH04013</b>
Wave Venture 700 (95-98), 760 (97), 1100 (96-97)	<b>YMH04014</b>
Wave Blaster II 760 (96-97)	<b>YMH04015</b>
Wave Blaster I 700 (93-96)	<b>YMH04007</b>
Wave Raider 700 & Deluxe (94-97), 760 (96), 1100 (95-96)	<b>YMH04016</b>
FX-HO (06-09), FX-HO Cruiser (06-10)	<b>YMH04019</b>
FX SHO (08-09), FX SHO Cruiser (08-10)	<b>YMH04020</b>
VX 110 Deluxe & Standard (05-10), VX Sport (09-10), VX (09-10) Non-Cruiser	<b>YMH04022</b>
FZS/FZR (09-10)	<b>YMH04022</b>

YAMAHA STAND UP	Part No.
Super Jet 700 (96-11)	<b>YMH04003</b>
Super Jet 650 (90-03), Super Jet 700 (94-95)	<b>YMH04009</b>



### Fabric: Glen-Tuf

Woven polypropylene is very abrasion resistant. Fibers resist moisture, rot, mildew and are treated for UV resistance.

Reinforced openings for trailer pins and attachments. Adjustable heavy duty, multi-strand shock cord sewn in hem.

Reflexite® safety reflectors on back of cover give additional warning notice when watercraft is moored on a trailer. (Reflexite® meets both Federal and USCG specifications.)



Non-scratch, corrosion free access zipper for vest and wet-suit storage. Plus a quick-dry mesh bag with Velcro® closure for gloves and other small items.

Durable, double-stitched, overlapped seams.

Strong, bartacked tie-down loops secure cover on watercraft for trailering.



SEA DOO	Part No.
GT (90-91), GTS (92-00), GTX (92-95), GTi (96)	<b>XW812BL</b>
GTI SE (06) with mirror	<b>XW877BL</b>
HX (95-97)	<b>XW834BL</b>
RXP, RXP-X (07-08)	<b>XW880BL</b>
SP/SPI 650 (94-97), SPX (94-99), XP650 w/grab rail (93-96)	<b>XW823BL</b>
XP (97), XP LTD (98-99), XP (00-02), XPDI (03-04)	<b>XW846BL</b>
GTX (96-97) (00-02)	<b>XW835BL</b>

SEA DOO JET BOATS	Part No.
Speedster (95-97), Sportster (00-02), Challenger (00-01)	<b>XW840BL</b>

\*All 14.5 Feet

POLARIS	Part No.
Hurricane 700 (96-97)	<b>XW839BL</b>

KAWASAKI	Part No.
800SXR (03-06)	<b>XW865BL</b>
STX900 (99-00), STX1100 (97-99), 900STS (01-02)	<b>XW842BL</b>
STX-12F (05-06), STX-15F (04-06)	<b>XW869BL</b>
Ultra 150 (99-05), Ultra 130 D2 (01-04), 130 DI (02)	<b>XW850BL</b>
ZXI 750/900 (95-97), ZXI 1100 (96-03)	<b>XW818BL</b>

YAMAHA	Part No.
VX110 Sport (05-06)	<b>XW872BL</b>
Superjet (96+)	<b>XW837BL</b>

Some models listed above might not be inventoried. If they are not inventoried then the item is a "Special Order Item" and may take up to 2 weeks to be available.

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL



**“Generation 2” Velcro Systems**

Pre-curved to match the natural curve of the hand.



Thumb tab for pulling your gloves on easily. Drain holes for a quick dry.

“Jet Grip” silicon on the throttle/trim fingers to minimize loss of grip.

With TPR knuckle protectors sonically welded on soft, durable “Lima Nash” suede on the palm.

## JETTRIBE RS-15 RACE SERIES GLOVES

Size	Part No.
Medium	JTG091114-M
Large	JTG091114-L
X-Large	JTG091114-XL
2XL	JTG091114-2XL



## JETTRIBE “GECKO GRIP” RS-15 RACE BOOT

It took us two years to develop the Race Boot we are calling the Gecko Grip! A hybrid of wrestling split sole with 3 pivot points. We can go on and on. But let's just say this might be the best boot released for the PWC rider as of yet, setting the standard for future gear.

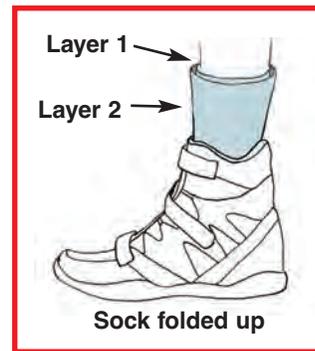
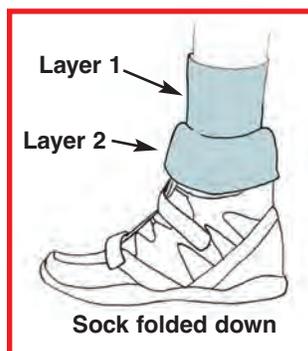
Sizes: 7, 8, 9, 10, 11, 12, 13

Size	Part No.
Size 7	JTG091113-7
Size 8	JTG091113-8
Size 9	JTG091113-9
Size 10	JTG091113-10
Size 11	JTG091113-11
Size 12	JTG091113-12
Size 13	JTG091113-13



## JETTRIBE RS-14 REC RIDER SHOE

Size	Part No.
Size 7	JTG10402-7
Size 8	JTG10402-8
Size 9	JTG10402-9
Size 10	JTG10402-10
Size 11	JTG10402-11
Size 12	JTG10402-12



## JETTRIBE LYCRA BOOT SOCKS

The Jettribe Lycra Boot Socks are built for pwc riding and are a perfect match for the Jettribe RS-15 Race Boots. With their exclusive dual layer design, the Jettribe socks are made to keep the sand and gravel out of your boot. Jettribe Lycra Boot Socks help prevent chafing and blistering.

Size	Shoe Size	Part No.
X-Small/Small	5-7	JTG10401-XS/S
Medium/Large	8-10	JTG10401-M/L
X-Large/2X-Large	11-13	JTG10401-XL/XXL



## JETTRIBE MOTO TOUR JACKET

Made of extra-tough Sato 420D nylon with two coats of PU, and neoprene side panels for maximum flexibility. Mesh lining cuts down on irritation and heat loss. Also has removable zippered hoodie, adjustable vented top-center panels, and dual side neoprene pockets.

Size	Part No.
Small	JTG10405-S
Medium	JTG10405-M
Large	JTG10405-L
X-Large	JTG10405-XL



## JETTRIBE HEAVY DUTY HANGER

Description	Part No.
Heavy Duty Hanger	JTG10410



## DRAWSTRING MESH BAG

Size 20" x 30"

Description	Part No.
Drawstring Mesh Bag	69-1003



USCG Approved for USA Market

## JETTRIBE "MOTO 1" SIDE ENTRY VEST

- Certified type III by USCG
- Completely race legal by sanctioned race organizations APBA, IJSBA & TJSBA
- Triple quick release 38mm buckles
- Built-in attachment for the Jettribe Race Collar
- Built-in lanyard attachment
- Speed rated vest

Size	Part No.
Small/Medium	JTG11420-S/M
Large/X-Large	JTG11420-L/XL



CE Approved for European Market Only

## JETTRIBE "MOTO 1" SIDE ENTRY VEST

- Certified by CE/EURO
- Completely race legal by sanctioned race organizations APBA, IJSBA & TJSBA
- Dual quick release 38mm buckles
- Built-in attachment for the Jettribe Race Collar
- Built-in lanyard attachment
- Speed rated vest

Size	Part No.
Small/Medium	JTG11422-S/M
Large/X-Large	JTG11422-L/XL

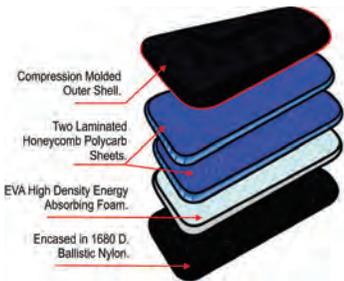


ARIZONA JET SKI CENTER  
PHOENIX, ARIZONA

FOUR STROKE	INTAKE SYSTEMS	ENGINE/GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES	SERVICE TOOLS /HARDWARE	CHEMICAL
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FOUR STROKE  
INTAKE SYSTEMS  
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CHEMICAL

# JETTRIBE



## JETTRIBE LEG DEFLECTORS SET

- Lightweight, thanks to the neoprene and air mesh materials
- Built-in water drain holes keep water from bogging it down
- Reactive Leg Shield's front and side impact panels are made of 5 layers of energy dissipating materials
- Compression molded outer shell
- Two laminated honeycomb polycarbonate sheets
- EVA high density energy absorbing foam
- Wrapped in 1680D ballistic nylon
- Designed for sit-down riding

## JETTRIBE LEG DEFLECTOR RIDING GEAR

- Injection molded polycarbonate outer shell
- Two laminated layers of neoprene and air mesh sheet
- EVA high density energy absorbing foam
- Dual 38mm "D" rings and elastic webbing
- Designed for stand-up riding

Description	Part No.
Jettribe Leg Deflectors Set	JTG11418

Description	Part No.
Jettribe Leg Deflectors Riding Gear Set	JTG11419



## LEG DEFLECTOR

Made with polycarbonate.  
Made in Italy

Description	Part No.
Leg Deflector	1002RACE-02



## LEG DEFLECTOR

Made in England

Description	Part No.
Leg Deflector	70-4012



## ECONO TYPE BACK DEFLECTOR

Description	Part No.
Back Deflector (available in Black only)	70-4008

# JETTRIBE



## HYDRO-TURF BACK SUPPORT

Great for racing, recreational riding or just working around the house! Light weight. Will not absorb water. Available in Black only.

Description	Part No.
Black S: 24-30	B20-BLK-S
Black M: 29-36	B20-BLK-M
Black L: 35-42	B20-BLK-L
Black XL: 41-48	B20-BLK-XL



## WRIST BRACE

- Ideal protection against wrist hyper extension
- Keeps wrist straight, channeling push/pull action directly to the PWC's handle bars
- Great support for riders recovering from wrist injuries
- Allows full wrist movement for thumb and throttle lever pull constructions
- Top protective layer of Rubber TPR
- Laminated with ultra high density EVA foam and air mesh for breathability

Description	Part No.
Wrist Brace	JTG11444



JA071301



JA071302



JA071303



JA071304



JA071305  
JA091302



JTA11301



JTA11302



JTA11303



JTA11313

## PERSONAL WATERCRAFT GOOGLES - EYE PROTECTION CLASSIC SERIES

100% UV protection • Dual layer foam for comfort • Anti-fogging air vent • They Float!

Description	Part No.
Goggles Red Frame with Smoke Lens	JA071301
Goggles Yellow Frame with Smoke Lens	JA071302
Goggles Blue Frame with Smoke Lens	JA071303
Goggles Black Frame with Amber Lens	JA071304
Goggles Black Frame with Smoke Lens	JA071305
Goggles Kids Black Frame with Smoke Lens	JA091302
Goggles White Frame with Smoke Lens	JTA11301
Goggles Snow Camo Frame with Smoke Lens	JTA11302
Goggles Houndstooth Frame with Smoke Lens	JTA11303
Goggles Green Frame with Smoke Lens	JTA11311

**Goggle Grip**

Description	Color	Part No.
Goggle Grip	Clear	70-4040
Goggle Grip	Black	70-4041
Goggle Grip	Chrome	70-4043

*\*Pink is back paper of adhesive. It does not show on actual products.*

- Aligns riders preferred goggle strap positioning on helmet
- Prevents strap from shifting or slipping off helmet
- Lift and Hold feature secures goggles under visor between rides
- Simply pinch and lift strap for easy removal
- Low-profile, concave design matches curvature of helmet
- Transparent VHB™ Peel & Stick application with alcohol prep pad



**Description** Goggle Display Stand  
**Part No.** JTA11324\*  
*\*Goggles not included*

## PRO SERIES GOOGLES



Jettribe Pro Series is a hybrid between a goggle and cool wrap around shades. It's the best of both worlds, stays in place with the elastic straps, plus have the rigid frame of a shade.



*Hard Protection Case included*

**Description** Pro-Series Goggles, Black Fade Frame with Revo Lens  
**Part No.** JTA0091301

## Atlantis



## NEW SPEC FLOATS

The quick and easy way to float your expensive glasses. These Atlantis Spec Floats have universal ends to fit all types of frames, from skinny to fat ones, just slide them on.

Description	Part No.
Purple	A2286
Yellow	A2291
Blue	A2282
Black	A2287
Red	A2292
Silver Grey	A2280

FOUR STROKE	INTAKE SYSTEMS	ENGINE/GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES	SERVICE TOOLS	CHEMICAL
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# Atlantis®

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
SERVICE TOOLS ACCESSORIES  
CHEMICAL



## FLOATING WRIST LANYARDS

These old favorite lanyards have been redesigned so that they clip apart to be used as a wrist or a vest lanyard. They are the perfect lanyards to replace your factory one; they're made from polyurethane cord and they float. They come with our one hand easy slider.

A. Wrist Color	Black	Black	Purple	Yellow	Black	Black	Green	Green
B. Lanyard Color	Black	Neon Red	Yellow	Purple	Silver	Blue	Purple	Black
KPTW*	A2137	A2136	A2141	A2133	A2126	-	A2131	A2149
Yamaha	A8147	A8146	A8151	A8143	A8136	A8139	-	-
Sea Doo	A7467	A7466	-	-	-	-	-	-

\*KPTW stands for: KAWASAKI, POLARIS, TIGERSHARK, WET JET

## ULTRA VEST FLOATING LANYARDS

Our new improved standard lanyard now floats! Now an easy way to keep an extra lanyard close at hand.

Description	Black	Red	Yellow	Purple	Silver	Blue	Green
KPTW	A2109	A2103	A2097	A2106	A2096	A2107	A2101
Yamaha	A8130	A8123	A8133	A8128	A8134	A8129	-
Sea Doo	A7459	A7453	A7447	-	-	A7457	-

\*KPTW stands for: KAWASAKI, POLARIS, TIGERSHARK, WET JET

## SEA DOO DESS COMPATIBLE WRIST LANYARDS

Atlantis is proud to offer the only after market lanyards that are compatible with the Sea-Doo's DESS system. These lanyards fit all Sea-Doo watercrafts, Jet Boats, and Snowmobiles from 1996 to current (except '96 XP & GTI). Program with factory programmer.

Description	Black/Yellow	Purple/Yellow
Sea Doo DESS	A7473-DSC	A7471-UDC

## SEA DOO DESS COMPATIBLE FLOATING VEST LANYARDS

Description	Black	Red	Yellow
Sea Doo DESS	A7459-DES	A7453-DES	A7447-DES

Description	Purple	Silver	Blue
Sea Doo DESS	A7456-DES	A7445-DES	A7457-DES



## PRO FLOATING WRIST LANYARDS

Our Pro floating lanyards have been used by the pros for years. They have been made of marine grade webbing, neoprene and Velcro material for strength, safety, and dependability. These lanyards will stay secure during the most strenuous riding, including racing. The whistle attaches and detached quickly.

Description	Black	Red	Yellow	Silver
KPTW	A2109-PFW	A2103-PFW	-	-
Yamaha	A8130-PFW	A8123-PFW	A8126-PFW	A8134-PFW

\*KPTW stands for: KAWASAKI, POLARIS, TIGERSHARK, WET JET



## PRO FLOATING LANYARD WRIST BAND

Now available by itself, is our deluxe floating wristband made from marine grade webbing, neoprene, and Velcro. It attaches easily to any clip lanyard and gives the rider a sense of security he has been looking for.

Description	Black	Red	Yellow	Purple	Silver
Wristband	A2070	A2072	A2074	A2071	A2077



## JET LOGIC SAFETY WHISTLE ON FLOATING LANYARD

An audible signal device is required on boats and personal watercraft in most states. A high pitch pealess whistle is a good choice. Clip it onto your life jacket or safety lanyard. Doubles as a floating key chain!

Description	Color	Part No.
Jet Logic Safety Whistle	Purple/Yellow	W-1
Jet Logic Safety Whistle	Red/Black	W-2



## CLIP ON SAFETY WHISTLE

Description	Black	Red	Yellow
Clip On Whistle	A2700C	A2701C	A2706C



## PROWATERCRAFT LANYARD

This race inspired ProWATERcraft Lanyard, is a must have for all watercraft racers. The stock Yamaha lanyard has been the standard till now. ProWATERcraft Lanyard has a thicker stronger

red cord, a metal fastener for the life vest, and added functional finger grip when snapping it back in on the rush. You don't want to get caught off guard wearing anything else. Quality, durability and function is what the pro's use. Fits: All Kawasaki, Yamaha, Honda, Polaris, Tigershark, Hydrospace..... Not Sea Doo.

Description	Part No.
Pro Watercraft Lanyard (Available in Red only)	PWCL-06



## JET LOGIC ULTIMATE PWC SAFETY LANYARDS

The Ultimate PWC safety lanyard has it all! 3 keys to fit ALL brands: Sea Doo, Yamaha, Kawasaki, Polaris, Tiger Shark and Wet Jet. \*Excluding the Sea Doo DESS System.

Description	Part No.
Yellow/Purple	UL-1
Black/Red	UL-2
Blue/Silver	UL-3



## SHOP LANYARDS

Not legal for riding. For shop testing only. These can easily be attached to your belt while working on all PWC and jet boats.

Description	Part No.
KPTW, Yamaha, Sea Doo	A3240
KPTW, Yamaha, Sea Doo DESS	A3250



## ECONOMY WRIST LANYARDS

Economy price lanyards.  
For Sea Doo (Non-DESS) only.

Description	Part No.
Sea Doo Wrist Lanyard Purple/Green	WJ7094PU
Sea Doo Wrist Lanyard Green/Purple	WJ7094GR
Sea Doo Wrist Lanyard Blue/Green	WJ7094B

FOUR STROKE	INTAKE SYSTEMS	ENGINE/GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES	SERVICE TOOLS /HARDWARE	CHEMICAL
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### ATLANTIS ANCHOR BAG

Our newly redesigned bag anchor is strong as ever but with bright new colors, rope, float, and hook. Just fill with rocks and sand for your anchoring needs. Fits easily into any storage compartment.

Description	Part No.
Anchor Bag (regular)	A2381



### ATLANTIS LARGE ANCHOR BAG

This new bag is twice as large as our standard bag. It has sewn-in handles for ease in moving and emptying. Designed for 3 & 4 passenger PWC or mini-jet boats.

Description	Part No.
Large Anchor Bag	A2394



### PWC SAND ANCHOR & BUOY

A sand anchor is ideal for anchoring PWCs in shallow water to keep the impeller off the beach. Fill this super durable tri-laminate anchor bag with up to 35 pounds of rocks or sand. A buoy marks the anchor's location. Tie-ups are easy with the 6-foot long rope and the oversized finish-friendly acetyl snap hook.

Description	Part No.
Jet Logic Sand Anchor & Buoy	A-1



### KWIK TEK COMPLETE FOLDING ANCHOR SYSTEM

3-1/3 Lb 4-fluke folding anchor and 25ft. long marine grade rope.

Description	Part No.
Complete Anchor System	A-2



### ATLANTIS STAKE ANCHOR

Needing an easy way to keep your personal watercraft tied to a shore? Here it is, just screw the stake into the ground and you have 15' to tether your boat to shore. Easy to store and take with you.

Description	Part No.
Stake Anchor	A2384



### GIANT SNAP HOOK

Perfect for attaching ski lines, dock lines, tow lines, or any rope up to 1/2 inch diameter.

Description	Part No.
Giant Snap Hook	SH-5



### 3" X 5" ROPE FLOAT

Need a way to mark an area? Need to float a rope for docking? Here is your answer, our easy to use rope floats. Fits up to a 1/2" diameter rope.

Description	Part No.
Red/White	A-1974
Blue/White	A-1975

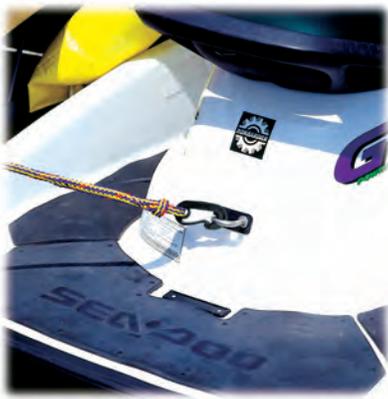


### KWIK TEK 20" DIAMETER BUOY

The affordable alternative! These durable 20" diameter inflatable buoys are perfect for marking anchors, moorings, hazards, swimming areas, or for setting up a personal watercraft or sailboat race course. They deflate quickly and easily for space efficient storage.

Description	Part No.
Yellow Buoy 20"	B-20Y
Red Buoy 20"	B-20R





## PWC DOCK LINE

This dock line features a 10" loop on one end for securing a personal watercraft to dock cleats. The opposite end of the dock line features a strong plastic clip for easy connections or disconnection to the personal watercraft OEM hooks. The dock line total length is 7 feet. 2 dock lines per package.

### Description

PWC Dock Line

### Part No.

PWCP-2



## BUNGEE DOCK LINES

Airhead Bungee Dock Lines absorb shock to boats, cleats, pylons and other hardware. The bungee cord is hidden inside the rope and acts as a built-in snubber. Two foam floats protect the boat from chafing. 4 feet, stretches to 5-1/2 feet.

### Description

Bungee Dock Line

### Part No.

AHDL-4

FOUR STROKE	INTAKE SYSTEMS	ENGINE/GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES	SERVICE TOOLS /HARDWARE	CHEMICAL
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## TELESCOPING PADDLES

Lightweight paddles adjust easily to variable lengths with a simple twist. A section of the aluminum shaft disappears inside the blade for the ultimate in compact storage under boat seats or in PWC storage compartments. 20-45 inch long.

### Description

Telescoping Paddle

### Part No.

P-1



## DOC ALLEN'S VERSATOOL The Swiss Army Knife of Hand Tools!

- Lightweight
- Compact
- Multi-Function
- Stainless Steel
- Use in Tight Places

### Description

Compact Tool Set

### Part No.

VERSATOOL



## RESCUE STREAMER DISTRESS SIGNAL

Patented Design Approved for U.S. Military & Coast Guard

This bright orange Streamer, visible from 1.3 miles away at 1,500 ft. altitude, leads Search and Rescue teams right to you. The patented high-strength polyethylene Streamer design, tested and used by the U.S. Military and Coast Guard, is marked with the international distress symbol. It features sealed air-filled struts that keep *RescueStreamer™* afloat on water and open on land to pinpoint your exact location to rescuers. *RescueStreamers™* start at the size of a cellular phone when stored and unroll in seconds! Always ready for use anywhere—land, water and snow. Does not require chemicals, batteries or electronics to signal continuously.

### Description

Rescue Streamer Distress Signal

### Part No.

RSDS-01



# VIEWTAINER

Made in the U.S.A



Description	Part No.
2" x 6" Red	CC26-RED
2" x 6" Blue	CC26-BLU
2" x 6" Green	CC26-GRN
2" x 6" Orange	CC26-ONG
2" x 6" Yellow	CC26-YLW
2" x 6" Black	CC26-BLK

## VIEWTAINER

Ideal to keep your registration papers safe & dry. They are great to carry small tools/supplies, etc.



Description	Part No.
2.75" x 8" Blue	CC27508-BLU
2.75" x 8" Green	CC27508-GRN
2.75" x 8" Yellow	CC27508-YLW
2.75" x 8" Black	CC27508-BLK



## HYDRO-TURF DRY BOX

Keep your registration papers and small tools/supplies dry and safe. Actual product is black color only.

Description	Part No.
Dry Box 6" x 8.5"	BOX

*Color is Black*



## DRY PAK GPS/PDA GAMEBOY CASE

- Convenient Stylus Holder
- 5" wide x 8" long
  - maximum circumference = 9in.



## DRY PAK MULTI-PURPOSE CASE

- 9" wide x 12" long
- 2 D-Rings sewn to corners
- Holds owner's manual, registration, snacks, maps, electronics



## DRY PAK CELL PHONE GPS MP3 CASE

- 4" wide by 6" long
- Clear TPU front, gray TPU back, padded & lined
- Adjustable neck lanyard & anodized aluminum spring hook

Description	Part No.
GPS/PDA/Gameboy Dry Pak Case	DP-58

Description	Part No.
Dry Pak Case	DPC-912

Description	Part No.
Dry Pak Case	DP-46W



## DELFINO MP-IPHONE DRY CASE

Specifically Designed for the I-Phone and I-Pod and can be used with a ear piece.

- 90mm x 190mm (3 1/2" x 7 1/2")

Description	Part No.
Delfino I-phone Dry Case	IPWP-001



## "DRY PAK" DRY BAGS

Description	Part No.
9.5" Diam. x 16" Yellow	WB-1
11.5" Diam. x 19" Yellow	WB-4
12.5" Diam. x 28" Yellow	WB-7



## SPARK PLUG HOLDERS

Spark Plug Holder protects the electrode, maintaining the proper gap.

Description	Part No.
2 per blister pack	SPH-2
40 per countertop display	SPH-40



### HEAVY DUTY TUBE ROPE

This heavy tournament quality 3/8" 16-strand braided tow rope is rated at 2375 lbs. tensile strength for 1 and 2 riders. 60 feet.

**Description** **Part No.**  
Deluxe Tube Rope **AHTR-60**



### 4000LB TUBE ROPE

This heavy duty 9/16" x 60ft. tube rope is rated at over 4375 lbs. tensile strength for 3 and 4 riders.

**Description** **Part No.**  
4000lb Tube Rope **AHTR-4000**



### 6000LB TUBE ROPE

This super strength 16 strand, 7/8 inch x 60 foot tube tow rope is rated at 6,000 pounds tensile strength! It's the strongest tube rope your money can buy, and is engineered to pull 5 or more riders.

**Description** **Part No.**  
6000 lb Tube Rope **AHTR-6000**



### WAKEBOARD ROPE

This wakeboard rope has a head turning 15 in. "Squid" patterned EVA grip wrapped around a floating aluminum core. The 5/16 inch, 16 strand, UV treated low stretch rope has 3 sections for wakeboarding at 45, 55 or 65 feet. Full length finger guards help create a comfortable split finger grip. A Rope Keeper is included for tangle-free storage.

**Description** **Part No.**  
Wakeboard Rope **AHWR-3**



### 20' TOW ROPE

This 20 ft. tow rope has a heavy-duty carabineer at each end. The 12" long "soft hook" doubles as a rope wrap for neat storage. The 3/8" diameter rope is purple/yellow/red.

**Description** **Part No.**  
20' Tow-Rope **TR-20**



### WATER TOY TOW ROPE

This top quality 16 strand, 3/8" tow rope is 50 feet long.

**Description** **Part No.**  
Water Toy Tow Rope **WTR-50**



### AIRHEAD LINE WINDER

No more tangled lines with this classic styled floating line winder! It's easy to wind and neatly stow away anchor lines, mooring lines, ski ropes and tube ropes. Get a few for the garage too. Organize your extension cords, wires, clotheslines and Christmas lights once and for all. It's constructed of high impact polypropylene for extra long service. Color: Red. Ropes not included.

**Description** **Part No.**  
Airhead Rope Winder **AHLW-1**

### AIRHEAD® KWIK-CONNECT™

Conveniently attach and detach tube tow ropes to towables with AIRHEAD's KWIK-CONNECT. There's no need to thread 60 feet of rope through the tow strap each time you connect or disconnect a tow rope. The high impact KWIK-CONNECT has a 1 inch diameter hole to accept up to 6,000 lb. break strength tube ropes. Recommended for 1 to 4 rider towables that are not equipped with Kwik-Connects.



**Description** **Part No.**  
Kwik-Connect **AHKC-1**



### AIRHEAD HEAVY DUTY TOW HARNESS

This heavy duty tow harness is perfect for pulling skiers, wake boarders and up to 4 rider towables. Simply clip it onto your boat with the 5,000-pound tensile strength hooks, and attach your ski or tube rope to the heavy duty Kwik-Connect. A 6" float keeps the Kwik-Connect floating on top, away from your propeller. 12 feet long to fit larger boats and pontoons. Yellow / Red.

**Description** **Part No.**  
Airhead Tow Harness **AHTH-2**

FOUR STROKE	INTAKE SYSTEMS	ENGINE/GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BLIGE	STEERING & CONTROLS	BODY	ACCESSORIES	SERVICE TOOLS /HARDWARE	CHEMICAL
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### STIK-A-FLAG™ SKIER DOWN FLAG

The bright orange 420 denier nylon skier down flag is mounted to a 24" flag. PWC's with Kwik Tek's giant 3-1/4" suction cup. Required in AZ, CA, CO, ID, MO, NE, NM, OR, TX, UT & WA. Recommended everywhere for safety.

Description	Part No.
Skier Down Flag	SAF-1



### IMPELLER PROTECTOR & KICK-BACK PROTECTOR

Specially designed for use on a personal watercraft, this Jet Logic protector reduces the possibility of the tow/ski rope of being sucked up inside the PWC's pump and impeller. This protector also protects PWC passengers from tow/ski rope kicking back when the rider falls.

Description	Part No.
24" long for PWC	IP-24



### TRANSOM MOUNT SKI TOW HOOK

Our transom-mount ski tow is made from highly polished 304 stainless steel. A full stainless steel back plate distributes pressure evenly to prevent gel coat crazing. Tows are supplied with stainless steel nuts and star lock washers.

Description	Part No.
3/8" stock, 2-1/2" diam 4" legs, 2-1/2" transom	59-3437

## AIRHEAD® 120 VOLT HI-PRESSURE AIR PUMP

You'll enjoy the performance of this 120 volt air pump. It inflates and deflates quickly and effectively. Peak pressure is 2.5 psi, plenty of pressure to get high end inflatable boats, rafts and reinforced backyard items nice and firm. You'll immediately notice how they perform better when properly inflated. A Pressure Release Valve is included to limit pressure to 1.4 psi for preventing over-inflating towables, pool toys and other vinyl and nylon covered inflatable items. The accordion-style hose locks onto the pump, eliminating annoying disconnection. Four universal valve fittings fit all popular valves and lock onto the hose. You'll love the screw-on Boston Valve adapter, an AIRHEAD exclusive. For added convenience, there's a carry handle and a 10 ft. long power cord. Draws 6.1 amps / 730 watts. Volume is 460 liters/minute.



Description	Part No.
Airhead Air Pump, 12 V	AHP-120HP

## AIRHEAD® AIR PUMP, 12V

This high-volume (290 liters / minute) 12-volt portable air pump deflates towables, boats, pools, mattresses and beach toys quickly and effectively. Most pumps on the market, even those costing twice as much, don't put out this kind of air pressure and volume (9.6 cu.ft/min., .8 psi). The universal valve fittings fit all popular valves. For added convenience, the cigarette lighter plug is equipped with a 10 ft. long power cord.



Description	Part No.
Airhead Air Pump, 12 V	AHP-12H

## AIRHEAD® DOUBLE ACTION PUMP

### Perfect For Topping off Towables

This pump delivers a continuous stream of air on both the up and down strokes. It quickly inflates and deflates tubes, airbeds, boats, toys and other inflatables. Four universal valve fittings are included. The accordion-style hose stretches to 5 ft. long and interlocks to the pump, so that it doesn't fall off while you're pumping. Capacity is approximately 68 gallons / 60 strokes. Especially great for topping off towables, since peak pressure is 14 psi.



Description	Part No.
Airhead Double Action Pump	AHP-1

## AIR DADDY™

AIR DADDY lets you get to the fun times more quickly! It allows you to inflate towables, swim toys, beach toys, inflatable boats, rafts, airbeds and sport balls with an air compressor at home or at a gas station. AIR DADDY is a universal adapter tapered to fit all valves found on inflatables, including all sizes of stem valves and Boston valves, Halkey-Roberts and Leafleaf valves. The screw-on tip creates a high-pressure stream of air, perfect for workshops and garages. Soccer ball or football low on air? Stop by a gas station and use AIR DADDY's needle valve! Both the needle valve and high-pressure tip stow securely in the handle.



Description	Part No.
Air Daddy	AHAD-1

## MULTI-VALVE

### Inflate with Speed & Flexibility

The Airhead Multi-Valve consists of 2 Boston Valves with different thread patterns on the bottom of the Shrader Valve. One of the Boston Valves will fit your inflatable. Use the Shrader Valve to inflate quickly at a gas station or marina. Or, screw off the Shrader Valve and inflate the Boston Valve with a low pressure/high volume pump.



Description	Part No.
Multi-Valve	AHMV-1

# AIRHEAD®



## AIRHEAD® U-TUBE™

U-TUBE is an innovative 1-2 rider towable with 2 different tow points. Pull it from the end and it rocks side to side, adding a new dimension to your tubing excitement. Pull it from the bottom and 2 can rider chariot style! Two oversized neoprene panels provide comfort. Six deluxe handles with neoprene knuckle guards give you lots of gripping options. The durable 30 gauge PVC bladder is fully covered by rugged 840 denier nylon. Dimensions: 61 in. x 60 in. (deflated).

Description	Valve	Part No.
Airhead U-Tube	Boston-Valve	AHUT-1



## AIRHEAD® SURF™

Face it, stowing a tube on small boats, ski boats, and PWC's can be a hassle! We designed Surf with this watercraft in mind. Despite its small size, 50" x 40" x 6", Surf is big on performance. Sit on top or lie down, either way; you'll love the remarkably stable ride. Four deluxe handles with neoprene knuckle guards provide a great grip. SURF is equipped with a Boston Valve for fast inflating and deflating, 2 board straps and a drain vent.

Description	Valve	Part No.
Airhead Surf 50"x 40"x 6" (1 rider)	Boston Valve	AHSU-1

## MEGA BOWL



## MEGA BOWL

Description	Valve	Part No.
Mega Bowl 68" (L) x 58" (W) x 26 (H) 170 cm (L) x 145 cm (W) x 65 cm (H)	Speed Safety Valve	S53-1840



## AIRHEAD® HOT SHOT™

Come on hot shot, show us what you've got! If you like air time, you won't be disappointed! HOT SHOT, AIRHEAD's 57 in. (deflated) round deck tube is one hot ride, built to last and a great value. The rugged PVC bladder is completely covered with a double-stitched nylon cover. The thin profile makes it easy to climb onto from the water. HOT SHOT has 4 deluxe handles with neoprene knuckle guards and is equipped with a Boston valve for quick inflating and deflating.

Description	Valve	Part No.
Airhead Hot Shot	Boston-Valve	AHHS-1

## AIRHEAD® MATRIX™ V-3

Wow! The thrill rides of the century have arrived! If you want real heart stopping tubing action unlike anything you've experienced before, think Matrix. No expense was spared in Matrix's state-of-the-art construction. The durable RF welded virgin vinyl PVC bladder is completely wrapped in double-stitched 840-denier nylon. A heavy-duty Kwik-Connect provides easy hook-ups and the Airhead Multi-Valve provides the ultimate in inflation and deflation convenience.

Join the matrix tubing revolution now! Patent pending.

Description	Valve	Part No.
Airhead Matrix - 3 riders (97" x 74")	Multi-Valve	AHMX-V3



FOUR  
STROKE

INTAKE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGE

STEERING  
& CONTROLS

BODY

ACCESSORIES  
/SERVICE TOOLS

HARDWARE

CHEMICAL

FOUR STROKE  
 INTAKE SYSTEMS  
 ENGINE/GASKETS  
 EXHAUST  
 DRIVE LINE HANDLING  
 ELECTRICAL  
 WATERLINE /BILGE  
 STEERING & CONTROLS  
 BODY  
 SERVICE TOOLS ACCESSORIES /HARDWARE  
 CHEMICAL



## PRO MODEL RESCUE SLED

US Utility Patent 5,354,222 and other patents pending.

*Used by top watermen and Rescue Professionals for 20 years!*

The Extractor PRO model has been an industry standard for quick rescue pickups in the surfline, rivers and other near shore situations. This model, due to its size and weight, is designed for use with pwc's where a single rescue operator is available to operate the pwc, or may be used in situations where a rescue swimmer is used to assist the victim.

Used by surfers around the world, the tapered tail makes it very easy to paddle up on the deck of the sled, for those doing step-offs or tow-at surfing. The tapered tail also makes it easier to place unconscious, handicapped, or incapacitated victims onto the deck of the sled.

Recommended for three-seater pwc's for all types of waterborne rescue operations or recreational activities, including tow-in surfing.

**Molded Linear Low Density Polyethylene shell** (Highly U.V. Resistant from degradation or color fade, will not become brittle or fade from sun exposure like ABS plastic skins and polyethylene foam skins, exceptional rebound and tensile strength-will not crack, high flexural modulus, maintains overall shape, physical properties and will not warp under normal operating climate conditions, resistant to all chemicals. Monolithic molded part without laminated skins. Will not delaminate from water invasion at the seams. Easy to mend with plastic welder, resistant to folding or creasing under manufacturer recommended use guidelines.

- Length: 63 in. (160cm) • Width: 38in. (96.5cm)
- Thickness: 3.85 in. (10cm) at thickest point, Tail is tapered at 2.5 in. (6.75cm) thick so that the sled will not have too much flotation, and will sink a few inches under water while the pwc is at idle.

- Capacity: 400 lbs.(180 kg) or two adults.
- Pro Sled Weight: is approximately 45 lbs (20 kg)
- Tie Down version is standard

• **3/8" thick PVC Foam Deck Pad - Very Comfortable** (Durable and provides the right amount of traction. Non-slippery like the polyethylene bodyboard foams or non textured PVC foams. Non-Abrasive and will not create skin rashes like textured medium density EVA Trac-Top type foams)

• **8 Handgrips Standard** or 10 Handgrips (Last Chance Handgrips as an option) Made from 5000lb test nylon webbing, overmolded with proprietary, flexible elastomers, very durable and resistant to the elements. Handgrips are anchored to the sled hull using 7000lb test brass mold-in inserts and stainless fasteners. Fasteners are secured from backing out using Lock-tite. You will not find a more comfortable secure-feeling handgrip!

Vibration Issues- The PRO Extraction Sled utilizes flexible linear low density polyethylene, flexible urethanes or EVA copolymers as bumpers at the connecting points, and a cushioning deckpad. All of these items have been used to reduce vibration caused from pwc motors.

Description	Part No.
Pro Model Rescue Sled*	XPROTD



## MEGA MODEL PWC SLED

• Recommended for three seater pwc's where more room is needed for passengers, for SCUBA, for spearfishing, for tow boards, or for hauling lots of equipment.

• **Rotomolded Polyethylene Hull, with molded polyethylene flotation foam inner liner** (3/8" to 1/2 inch thick for stiffness and added flotation), hollow air cavity..

- Length: 84 in. (206cm)
- Max Thickness: 5.5 in. (14cm)
- Capacity: three people or 600lbs. (270kg)
- Width: 42 in.(104cm)
- Weight: is approximately 70lb.

• Available in Quick Hitch, Basic Tie Down or Intermediate Tie Down/Direct Connect Versions

- **3/8" thick PVC Foam Deck Pad-Very Comfortable** (Durable and provides the right amount of traction. Non-slippery like the polyethylene bodyboard foams or non textured PVC foams. Will not create skin rashes like textured medium density EVA Trac-Top foams)
- EVA foam rail bumper pads available
- **8 or 10 or 12 Handgrips** (Last Chance Handgrips as an option)
- Vent/Drain Plug
- Cargo Webbing Loops Built into handles provide attachment points for bungee lashing, cargo straps or rope grab lanyards. These are great for securing surfboards, equipment, fishing gear, coolers, or fish kill bags.
- Hull Rocker and Rail configuration designed to provide maximum sled contact with water surface and perform well behind a pwc. The "Gooseneck nose or bow (patent pending), also relieves stress at the fulcrum point where sled nose rests on pwc transom. Air pockets or phasers on hull bottom provide hull strength and stiffness as well lift and less contact with water surface. This combined with channels in hull direct water flow off of sled tail rapidly. The result is a sled that creates less drag, tracks better without fish-tailing, provides more traction through tighter turns without the pwc sliding out, and higher pwc top speeds.
- **Hand Grip/bumper Colors: Red, Black or Yellow**

\*Guaranteed to outlast any other pwc sled available in the world, provided use and maintenance guidelines adhered to.

Description	Part No.
Mega Model Rescue Sled*	XMEGATD

*\*We do not carry inventory of these items  
 – Special order only –*



# LIFESLED FOR PWC RESCUE

Lifeguards and public safety agencies around the world are embracing an innovative rescue system that already has saved hundreds of lives, and promises to save thousands more in extreme rough water situations such as ocean storms, heavy surf, rip currents, flooding rivers and other life-threatening situations.

**Non-Invasive hookup conveniently attaches LIFESLED to most any PWC without cumbersome rigging or drilling holes.**

- ◆ LIFESLED is highly maneuverable. It barely affects low-speed motoring and increases the overall stability of the craft. There is no chance of windmilling or dumping of victim.
- ◆ Bullet-nose allows 45° fish-tail pivot off the PWC transom.
- ◆ 70/30 rails allow sufficient tracking for stability, and still allow the driver to 'break loose' for quick turns.
- ◆ Inexpensive, replaceable nose-guard protects the nose of the sled and the PWC transom.
- ◆ Overall size is sufficient for two adults yet still highly maneuverable. Weighs only 35 lbs.
- ◆ The Swallow-tail design enables easy victim centering when mounting in the water.
- ◆ Hook-up design allows the sled to be folded over the PWC when not in use.

**Description**

Lifesled

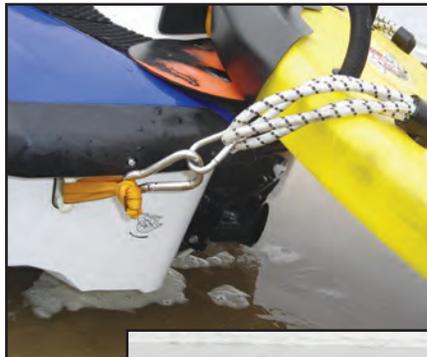
**Part No.**

W20018

*We do not carry inventory of these items—special order only.*



HONDA



YAMAHA



SEA DOO



FOUR STROKE	INTAKE SYSTEMS	ENGINE/GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES	SERVICE TOOLS /HARDWARE	CHEMICAL
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FOUR  
STROKEINTAKE  
SYSTEMSENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGESTEERING  
& CONTROLS

BODY

SERVICE TOOLS  
ACCESSORIES

/HARDWARE

CHEMICAL



## HOOK-IT TIE DOWN MOUNT

Patented hook retainer eliminates unhooking. Provides a location to tie down your watercraft where you want it.

Description	Part No.
Hook-It Tie Down Mount	TS65



## YAMAHA TIE DOWN PIN

The tie down pin can be used to which your boat on your trailer, attach a docking line, attach anchor, or tie down your Yamaha. Just drop the pin in your front or rear bow eye.

Description	Part No.
Yamaha Tie Down Pin	59-3438



## POWERTYE TIE DOWNS

Made from high quality 4500lb. test nylon strap with rubber coated hooks. Made in USA

Description	Part No.
Black	59-3425
Navy Blue	59-3428
Silver	59-3429



## ANCR A WATERCRAFT TRAILER TIE DOWNS

Fits all PWC with 3/4" Bow Eyes.

Color	A.	B.
	Double Hook Without Bow Eye Pin	Single Hook With Bow Eye Pin
Purple	59-3404-PPL	59-3404-PPL-S
Pink	59-3404-PNK	59-3404-PNK-S
Lime Green	59-3404-GRN	59-3404-GRN-S



## Stoltz Bow Stop

For PWCs with a vertical hole. Fastens with "U" bolts. 3-1/2" Opening. Made in the USA.

Description	Part No.
PWC Bow Stop	PWC-5A



## SKEEKEEPER BOW PIN

Fits any PWC trailer with a 5/8" bow coupler. Bow stop pictured is not included.

Description	Part No.
Bow Pin	TS67



## SKEEKEEPER HITCH PIN

Fits any receiver-style hitch with a 2" insert. Trailer hitch receiver and ball pictured is not included.

Description	Part No.
Hitch Pin	TS68



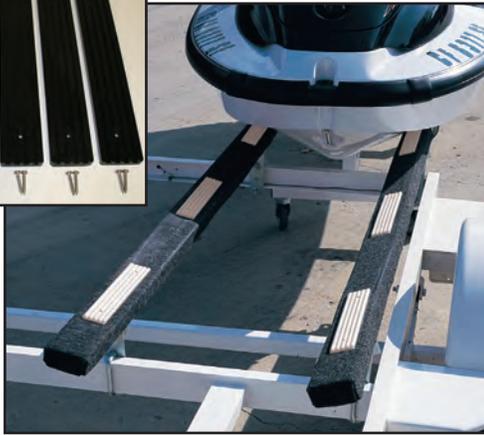
## LICENSE PLATE BRACKET

1/4" mounting holes on 2" centers.

Description	Part No.
Metal License Plate Bracket	WB-3213

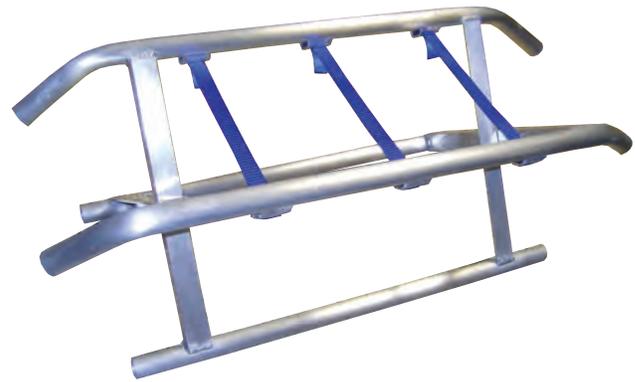


### R&D EZ-SLIDE BUNK GLIDES



R&D EZ-Slide Bunk Glides are designed to mount directly on the top side of the trailer bunks creating a new low friction slippery surface that allows the watercraft to glide on or off the trailer, making loading and unloading a personal watercraft easy. Designed and molded from high density urethane to significantly support the hull surface for proper trailering. The EZ-Slides are black and come in a six piece set complete with stainless steel button head mounting hardware. One set needed per watercraft.

Description	Part No.
EZ-Slide Bunk Glides (Set of 6)	001-00122



### PJS RACING BEACH STAND

Thick wall tubing and heavy gauge angle aluminum construction. Excellent durability. Not designed for use out of water.

Description	Part No.
<b>Stand-Up</b> Personal Watercraft Beach Stand	<b>AC-5200</b>
<i>*Due to the size of this product it is not covered by the Hot Products shipping policy.</i>	

## FACTORY ZERO

### FACTORY ZERO JET LAUNCHER COMPACT 2-WHEEL TOTE FOR STAND-UP PWC

See page 92 for detailed information.

Description	Part No.
Factory Zero Compact 2-Wheel Tote Stand-Up	J-130S



*\*Due to the size of this product it is not covered by the Hot Products shipping policy.*



### RIVA DAVIT SLINGS

RIVA Davit Slings feature high strength nylon straps and stainless steel lift ring. Easily attaches to your watercraft via non-slip, non-scratch, rubber coated plates that securely lift the craft under the rub rails. Designed to use with a single davit.

Description	Part No.
Lifting Sling, KAW, SD 3-seater PWC	RS1027-IS
Lifting Sling, GTX, RXP, RXT	RS1027
Lifting Sling, 2-SEATER PWC	RY1027
Lifting Sling, SUV, XL, VNT	RY1027-20



### RV TRAILER WIRING SOCKET ADAPTER

This adapter converts the large 7 prong RV style wiring plug to the standard universal flat 4 way trailer wiring. No cutting or splicing required.

Description	Part No.
RV Trailer Wiring Adapter	73012

FOUR STROKE	INTAKE SYSTEMS	ENGINE/GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES	SERVICE TOOLS /HARDWARE	CHEMICAL
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## HUNSAKER QUICK FILL JUGS

MADE IN THE U.S.A.

- Quick Fill jugs feature a 2 1/4" quick fill opening/fill tube
- The 1 1/2" side vent tube works as an air intake and relieves back pressure, allowing for a controlled flow rate and is adjustable for your flow rate application
- Secondary flip up vent cap for a slower pour if required
- Can be filled from the vent tube side and/or the pour side without having to take the hose off
- Smooth cornered, square style design offers stability, strength and ease of handling

Description	Part No.
A. 7 Gallon Jug (12"x12"x24")	HUN3004-1
B. 9 Gallon Jug (12"x12"x27")	HUN3006-1
C. 13 Gallon Jug (12"x12"x36")	HUN3011-1
D. 1.50" Billet 6061/Aluminum Quick Fill Fueling System*	HUN3113
E. 2.50" (Male) Red Head Dry Break	HUN3115
F. 2.50" (Female) Dry Break	HUN3123

\*Supplied with hose and clamps for connection

E. 2.50" (Male) Red Head Dry Break HUN3115  
F. 2.50" (Female) Dry Break HUN3123

\*Due to the size of this product it is not covered by the Hot Products shipping policy



## RATIO RITE CUP & LID

The Ratio Rite measuring cup is specifically designed to help you premix gasoline for your two stroke engine. 16:1 to 70:1 mix ratios are molded into this cup, measure your two cycle oil in cc/milliliters, fluid ounces, and pints. Made from durable, long lasting plastic that is completely safe to use with fuel and oil.

\*Ratio Rite lid sold separately

Description	Part No.
Ratio Rite Cup	59-0548
Ratio Rite Lid	59-0582



## DELUXE SIPHON PUMP

Deluxe Siphon Pump made with a heavy duty marine grades siphon bulb and gas resistant hose. This is the easy way to get a siphon started to drain your bilge or to transfer fuel from one place to another.

Description	Part No.
Deluxe Siphon Pump	59-0440



## SCEPTER FLEXIBLE FUNNEL

Scepter's flexible funnel is perfect for all your PWC uses and really helps perform those difficult maintenance and repair applications. Manufactured from quality, high density polymers: the funnel won't rust, dent, or crack. This means no drips and leaks for you to clean up after your done. The funnel length is 18".

Description	Part No.
Scepter 18" Flexible Funnel	MR03603



## DAS PUMP FINGER TIP PUMP

Simple finger tip pump that removes water from your engine compartment and siphons gas. Includes length of hose to reach the depths of your engine compartment or gas tank.

Gets into the tightest places and is easy to use. Prevents corrosion and rusting to your engine due to condensation. "Das Pump"

Description	Part No.
DAS Pump	57-4045



## SAFETY SIPHON

"The Safe Solution To Fluid Transfer Problems".

A safe alternative to transferring dangerous fuels at or messy liquids by usual means. The hose with the patented self priming pump eliminates the risk of drawing hazardous or nasty fluids into your mouth when getting the siphon process started. The Safety Siphon is a great companion product to carry in your car or truck as insurance in case you run out of gasoline.

**Never attempt to siphon gasoline by mouth!**

Description	Part No.
Safety Siphon Pump 1/2" Hose	SS-4



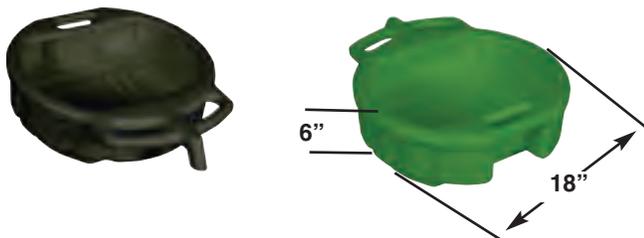
Fuel Filter

Oil Filter

## "SWIVEL GRIP" OIL / FUEL FILTER WRENCH

For Smaller 2 3/8" to 2 5/8" Oil Filters. Also fits Fuel Filters. For small oil and fuel filters. Tough stainless steel band with special "teeth" for extra gripping power...won't slip. Special narrow 1/2" band fits in tight spots. Handle swivels to clear obstructions and makes it easy to turn in hard to reach locations. Vinyl covered handle. Covers a range of 2 3/8" to 2 5/8" (60.3 - 66.7mm)

Description	Part No.
"Swivel Grip" Oil / Fuel Filter Wrench	LS54400



## 4.5 GALLON DRAIN PANS

Now with built-in-ribs for draining filters in the pan. For easy transfer of liquids. High-density polyethylene material is resistant to chemicals and solvents, and is easy to clean. 1" wide diameter spout for quick and easy pouring. The anti-splash lip and baffles help prevent spilling when carrying or pouring. Comes with large, easy-grip handles. Two colors: 17942 is black for oil and 17952 is green for anti-freeze.

Description	Color	Part No.
4.5 Gallon Oil Drain Pan	Black	LS17942
4.5 Gallon Oil Drain Pan	Green	LS17952



## RULE FLAT TANK ELECTRIC OIL EXTRACTOR

Eliminate those costly yard service fees with the new quick, clean, compact electric oil extractor. Includes a 3-1/2 gallon compact self-priming diaphragm pump for extraction and an easy pour spout for oil transfer.

- 3.5 gallon (13 liter) leak proof container
- Designed for ease of carrying
- Complete with dipstick, suction tube & battery clamps
- Empties and stows easily

- Self-priming, dry running, 12 or 24 volt diaphragm pump

Description	Part No.
Electric Oil Extractor	17860-0012



## HYDRO-TURF OIL EXTRACTOR

The unit uses a small vacuum system, which pumps fluid through a hose to the 6-liter reservoir. It also includes a pour spout to aid in emptying the reservoir. Pump is removable for easy storage.

Description	Part No.
Hydro-Turf Oil Extractor	OIL01



## HT MOTO 15 LITER OIL EXTRACTOR

Ideal for bigger jobs and shops, this larger capacity oil/fluid extractor makes changing the oil on your 4 stroke PWC, snowmobile, ATV, boat, lawn mower, etc. clean and hassle free. Holds up to 15 liters (3.92 gal) in this sturdy portable container with built in pump.

Description	Part No.
HT Moto 15 Liter Oil Extractor	OIL03



Adapter Kit Included!

## FLUID EXTRACTOR

- Empties oil in 15 pumps or less
- Extracts warm or cold oil
- Pressure relief valve allows easy transportation and storage
- Single-hand-ease effortless operation
- Tethered cap
- Delivers gulp-free, mess-free performance
- Complete adapter kit is included featuring three extraction tubes

Description	Part No.
Fluid Extractor (6.5 Liter Fluid Extractor)	CJ-169-S
Fluid Extractor Tube Replacement Kit	72-13117A

\*Note: Not for use with gasoline.

FOUR STROKE	INTAKE SYSTEMS	ENGINE/GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES	SERVICE TOOLS /HARDWARE	CHEMICAL
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# Hot Products

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
SERVICE TOOLS ACCESSORIES  
CHEMICAL  
HARDWARE



**TAYLOR CURTIS T-SHIRT**

Description	Part No.
Taylor Curtis T-Shirt Small	70-8001-S
Taylor Curtis T-Shirt Medium	70-8001-M
Taylor Curtis T-Shirt Large	70-8001-L
Taylor Curtis T-Shirt X-Large	70-8001-XL



**EAGLE HP T-SHIRT**

Description	Part No.
Eagle HP T-Shirt Small	70-8005-S
Eagle HP Medium	70-8005-M
Eagle HP Large	70-8005-L
Eagle HP X-Large	70-8005-XL

## DVD



**2004 LENZI DVD**  
70-0020



**2006 WORLD FINALS**  
WFDVD2006



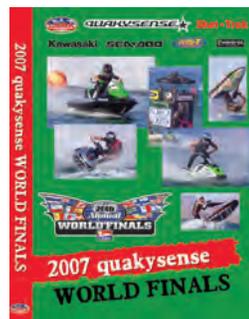
**THE ADDICTION**  
70-0030



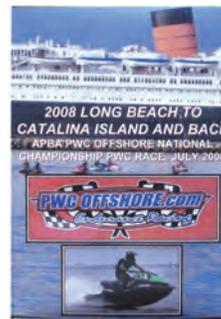
**TWANGULATION DVD**  
70-0022



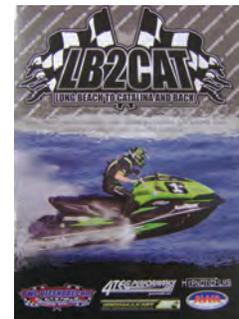
**LIQUID MILITIA RISE OF THE TIDE**  
ROTT2010



**WORLD FINALS 2007**  
WFDVD2007



**2008 LONG BEACH TO CATALINA DVD OFFSHO02**



**2009 LONG BEACH TO CATALINA DVD LB2CAT009**

# CLYMER® REPAIR MANUALS

## YAMAHA



### THE "ORIGINAL" JET SKI BIBLE

A straight forward high performance guide for the Kawasaki 440, 550, 650. The Watcon 2-stroke tech manual is also included.

This is a *MUST* have book for building, maintaining, or owning a high performance personal watercraft. This manual features David Simon's "The Understanding of Air Flow." It goes into structural limitations and factors, crank case design, crank shaft design, cylinder and port design, cylinder head design, exhaust systems and water box design, intake systems, and tuning an engine as a whole.

*Two great books for the price of one!*

Description	Part No.
Jet Ski Bible & Watcon 2-Stroke Technology Notes	JSB-02

### Yamaha Water Vehicles 1993-1996

WR500, SJ650, WR650, WRA650, WRA650A, WRB650, WRB650A, FX700, SJ700, RA700, RA700A, RA700B, WB700A, WRA700, WRB700, WVT700, RA760, WB760, RA1100, WVT100

**Part No. W806**



### Yamaha Water Vehicles 1987-1992

WJ500, WRA650, WR500, SJ650, WR650

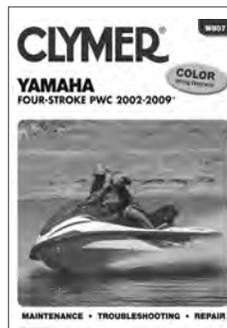
**Part No. W805**



### Yamaha Water Vehicles Four Stroke 2002-2009\*

05-08 FX, 05-08 FX Cruiser, 04-08 FX Cruiser High Output, 04-08 FX High Output, 02-04 FX140, 02-04 FX140 Cruiser, 05-09 VX, 05-09 VX Cruiser, 05-09 VX Deluxe, 05-09 VX Sport

**Part No. W807**



*Includes color wiring diagrams. Does not cover 1800 cc models. Does not cover 2-stroke models.*

## KAWASAKI

### Kawasaki Jet Ski 1976-1991

JS300, JS550, JS300SX, JS550SX, JS400, JF650X-2, JS440, JS650SX, JF650TS, JL650SC, JB650TS Jet Mate

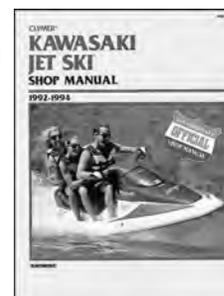
**Part No. W801**



### Kawasaki Jet Ski 1992-1994

JS440, JS550, JS550SX, JB650 Jet Mate, JF650X-2, JF650TS, JL650SC, JS650SX, JH750SS, JS750SX, JH750XI, JT750ST, JH750XIR

**Part No. W802**



## SEA DOO

### Sea Doo Water Vehicles 1988-1996

Standard GT, GTS, GTX, SP, SPI, XP

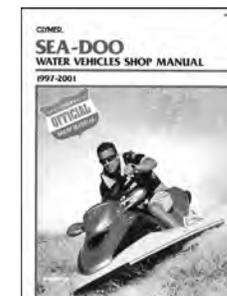
**Part No. W809-3**



### Sea Doo Water Vehicles 1997-2001

GS/GSI/GSX/GSX RFI/GSX Ltd./GTI/GTS/GTX GTX DI/GTX RFI/GTX Ltd. HX/LRV/RX/RX DI SP/SPX/XP Ltd.

**Part No. W810**

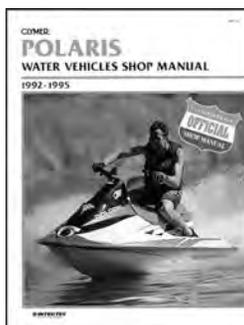


## POLARIS

### Polaris Water Vehicles 1993-1995

SL650, SL650STD, SL750, SLT750

**Part No. W819**



### Polaris Water Vehicles 1996-1999

SL700, SLT700, SL700 Deluxe, Hurricane, SL780, SLT780, SL900, SL1050, SLH, SLTH, SLXN, SLTX

**Part No. W820**



### SUPER BN MANUAL

For the watercraft tuner working with Super BN series carburetors.

Description	Part No.
Mikuni Manual	53-9999

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL

## METRIC STAINLESS STEEL HEX BOLT PACKS

10 Pcs Per Pack



Size/mm	Part No.
6 x 10	60-3010
6 x 12	60-3012
6 x 14	60-3014
6 x 16	60-3016
6 x 18	60-3018
6 x 20	60-3020
6 x 25	60-3025
6 x 30	60-3030
6 x 35	60-3035

Size/mm	Part No.
6 x 40	60-3040
6 x 45	60-3045
6 x 50	60-3050
6 x 60	60-3060
6 x 70	60-3070
6 x 80	60-3080
8 x 18	60-4018
8 x 20	60-4020

Size/mm	Part No.
8 x 25	60-4025
8 x 30	60-4030
8 x 35	60-4035
8 x 40	60-4040
8 x 50	60-4050
8 x 60	60-4060
8 x 80	60-4080
10 x 25	60-5025

## METRIC STAINLESS STEEL SOCKET HEAD CUP BOLT PACKS

10 Pcs Per Pack



Size/mm	Part No.
4 x 30	61-1030
4 x 16	61-1016
5 x 10	61-2010
5 x 25	61-2025
6 x 10	61-3010
6 x 12	61-3012
6 x 14	61-3014

Size/mm	Part No.
6 x 16	61-3016
6 x 20	61-3020
6 x 25	61-3025
6 x 30	61-3030
6 x 35	61-3035
6 x 40	61-3040
6 x 50	61-3050

Size/mm	Part No.
6 x 60	61-3060
8 x 20	61-4020
8 x 25	61-4025
8 x 30	61-4030
8 x 50	61-4050
8 x 60	61-4060
10 x 25	61-5025

## METRIC STAINLESS STEEL NUTS

10 Pcs Per Pack



Size	Part No.
6mm	63-0006
8mm	63-0008

## METRIC STAINLESS STUD PACKS

10 Pcs Per Pack



Size/mm	Part No.
8 X 30	62-4030

## METRIC STAINLESS STEEL FLAT WASHERS

10 Pcs Per Pack



Size	Part No.
6mm	63-2006
8mm	63-2008
10mm	63-2010

## METRIC STAINLESS STEEL SPRING WASHERS

10 Pcs Per Pack



Size	Part No.
6mm	63-4006
8mm	63-4008
10mm	63-4010

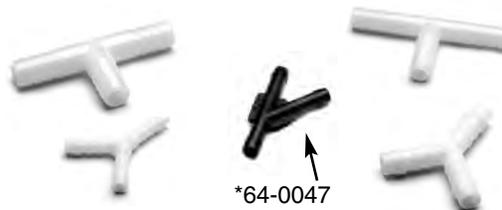
## ZIP TIES



Description	Color	Part No.
3 3/4" x .090	Black	64-0050
7 1/4" x 1.190	Black	64-0051

(Sold in Packages of 100)

## PLASTIC FITTINGS



Plastic T Fitting	Part No.
3/8" x 3/8" x 3/8"	64-0025
1/2" x 1/2" x 1/2"	64-0027
Plastic Y Fitting	Part No.
3/8" x 3/8" x 3/8" (white)	64-0045
1/4" x 1/4" x 1/4" (white)	64-0046
1/4" x 1/4" x 1/4" (black)*	64-0047

\*Reinforced with Crossbar

# BRASS FITTINGS

MNPT = Male National Pipe Thread



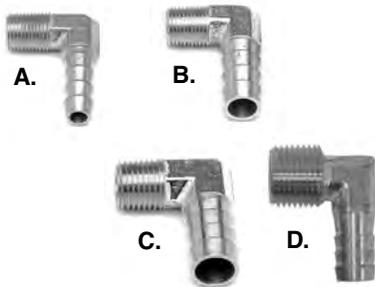
Straight Hose Barbed	Part No.
1/8" MNPT Thread 1/4" Hose	64-0001
1/8" MNPT Thread 3/8" Hose	64-0003
1/4" MNPT Thread 1/2" Hose	64-0005



Barb Connector	Part No.
1/4" I.D. Hose-1/4" I.D. Hose	64-0057
3/8" I.D. Hose-3/8" I.D. Hose	64-0058
1/2" I.D. Hose-1/2" I.D. Hose	64-0059



Brass Push in Nipple	Part No.
1/8" Straight	53-9936
1/4" Straight	53-9937



90 Degree	Part No.
A. 1/8" MNPT Pipe thread 3/8" Hose	64-0007
B. 1/4" MNPT Pipe thread 1/2" Hose	64-0009
C. 1/8" MNPT Pipe thread 1/4" Hose	64-0010
D. 1/2" MNPT Pipe thread 1/2" Hose	64-0008



Garden Hose Adapter	Part No.
3/8"	64-0012



Press-in 90 Degree Fuel Inlet	Part No.
1/4" 90 Degree	DF44-2/70



45 Degree	Part No.
1/8" MNPT Pipe thread 1/4" Hose	64-0065
1/8" MNPT Pipe thread 3/8" Hose	64-0066
1/4" MNPT Pipe thread 1/2" Hose	64-0067



Brass Fitting	Part No.
1/8" Pipe threaded junction	64-0011
1/8" to 1/4" Adapter	64-0013
9mm Yamaha Flush Adapter	64-0004



T-Fitting	Part No.
Primer Fitting 1/8" x 1/8" x 1/8"	64-0015
Primer 1/4" x 1/4" x 1/8"	64-0017
Fuel Line 1/4" x 1/4" x 1/4"	64-0019



Brass Threaded Plug	Part No.
1/8" MNPT Threaded Plug	64-0016
1/4" MNPT Threaded Plug	64-0018



2011 WORLD FINALS • LAKE HAVASU, AZ  
ALEXANDER KURAMSHIN • RUSSIA  
FREESTYLE RIDER

FOUR STROKE	INTAKE SYSTEMS	ENGINE/GASKETS	EXHAUST	DRIVE LINE HANDLING	ELECTRICAL	WATERLINE /BILGE	STEERING & CONTROLS	BODY	ACCESSORIES	SERVICE TOOLS /HARDWARE	CHEMICAL
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FOUR STROKE  
 INTAKE SYSTEMS  
 ENGINE/GASKETS  
 EXHAUST  
 DRIVE LINE HANDLING  
 ELECTRICAL  
 WATERLINE /BILGE  
 STEERING & CONTROLS  
 BODY  
 ACCESSORIES  
 SERVICE TOOLS /HARDWARE  
 CHEMICAL



### STAINLESS STEEL HOSE CLAMPS

SAE Size	Min Dia		Max Dia		Part No.
	Inch	mm	Inch	mm	
#5 (3/8"Waterline)	1/4	7	11/16	17	WF62M05
#6 (1/2"Waterline)	5/16	8	7/8	22	WF62606
#36	1-3/4	46	2-3/4	70	WF67004-0036
#48	2-1/2	65	3-1/2	89	WF67004-0048
#56	2-1/8	54	4	100	WF67004-0056
#72	3	76	5	127	WF67004-0072
#80	3-1/2	92	5-1/2	140	WF67004-0080



### T-BOLT CLAMPS

Size	Width	Part No.
2-3/8"	3/4"	D43H-75-238
3-1/4"	3/4"	D40H-75-325
4-1/2"	3/4"	D40H-75-450
5"	3/4"	D40H-75-500
5-1/4"	3/4"	D40H-75-525
5-1/2"	3/4"	D40H-75-550



### HOSE SHEARS

Cuts clean and straight every time.

Description	Part No.
Hose Shears	12-0013



### FUEL LINE

Fuel line is made from a thick walled polyurethane tubing. Sold per foot. or 25 feet/pk

Description	Part No.
Blue (1/4") per foot	53-9970
Blue (1/4") 25 feet package	53-9970-25
Primer Line (1/8") per foot	53-9980
Primer Line (1/8") 25 feet package	53-9980-25

## Fast, Easy, Strong and Secure Installation



### SQUEEZE ON STAINLESS STEEL LOW PROFILE CLAMPS



#### Fast & Easy Removal

Oetiker Stepless Ear Clamps, due to the reinforcing 'dimple' in the ear, hold against pressure and vibration or hose shrinkage due to temperature changes. A built-in spring action permits the clamp to "breathe" without loosening, the need to retighten is eliminated. Once installed, any tampering is easily visible, making this an excellent clamp for service or security applications.

Description	Clamp Size	Part No.
Pincer Tool	--	12-0024
Clamp for 1/4" Fuel Line Hose (10/pack)	--	59-4014
Clamp for 1/4" Fuel Injector Hose (10 pack)	9/16	59-4016
Clamp for 3/8" Water Line (10 pack)	11/16	59-4017
Clamp for 1/2" Water Line (10 pack)	13/16	59-4018

100 Clamp Packs	Clamp Size	Part No.
Clamp for 1/4" Fuel Line Hose (100 pack)	--	59-4016-100
Clamp for 1/4" Fuel Injector Hose (100 pack)	9/16	59-4016-100
Clamp for 3/8" Water Line (100 pcs/pk)	11/16	59-4017-100
Clamp for 1/2" Water Line (100 pcs/pk)	13/16	59-4018-100



### FLEX-TECH WATER LINE HOSE

Flex-Tech multi purpose hose is more flexible and bendable for those complicated water routing requirements. This waterline is highly recommended for Factory

Pipe installations. Waterline is sold per foot.

Description	Part No.
3/8" Flex-Tech Light Blue Waterline Hose	56-8010



### WATER LINE HOSE

Goodyear hose has been replacing rubber hose or metal tubing designs. Goodyear hose and tubing offers customers a number of benefits, including flexibility, durability, abrasion resistance, lighter weight materials, superior chemical resistance, high pressure capability, and extended product performance. Waterline is sold per foot.

Description	Part No.
3/8" ID Blue 300psi WP (Eaton Synflex)	56-8000
1/2" ID Blue 250psi WP (Goodyear Pliovic Plus)	56-8004
3/8" Clear Vinyl	56-8007

500 foot reel 3/8" blue hose available and  
 400 foot reel 1/2" blue hose available  
 Call for special pricing on reel purchases.

# SEA DOO REPAIR TOOLS

These tools are built to the the OEM specialty tool specifications and have been built using high quality materials.

Make your work day and the repairs you perform for your customers faster and more efficient with the right tool for the job!



**Drive Shaft / Floating Ring**  
Part No. 950-100  
O.E. No. 529-035-841  
Fits: GTX 4 Tec Models



**Drive Shaft / Floating Ring**  
Part No. 950-102  
O.E. No. 529-035-987  
Fits: Super Charged 4-Tecs



**Drive Shaft Adaptor**  
Part No. 950-115  
O.E. No. 529-035-892  
Fits: GTX 4 Tec



**Drive Shaft Adaptor**  
Part No. 950-120  
O.E. No. 529-035-985  
Fits: RXP 4 Tec



**Camshaft Locking tool**  
Part No. 950-180  
O.E. No. 529-035-839  
Fits: 4-Tec Engines



**Insert Alignment Tool Adapter**  
Part No. 950-145  
O.E. No. 529-035-590  
Fits: XP & DI Models



**Alignment Adaptor**  
Part No. 950-150  
O.E. No. 529-035-719  
Fits: GTX 4-Tec Models



**Super Charger Retaining Key**  
Part No. 950-110  
O.E. No. 529-035-949  
All 4 Tec's with Super Chargers



**Crankshaft Locking Tool**  
Part No. 950-125  
O.E. No. 529-035-821  
Fits: All 4 Tec's



**4-Pin Socket**  
Part No. 950-195  
O.E. No. 529-035-948  
Fits: 4-Tec Supercharged



**Pressure Cap**  
Part No. 950-105  
O.E. No. 529-035-843  
Fits: GTX 4 Tec



**Steering Cable Nut Removal Tool**  
Part No. 950-130  
O.E. No. 295-000-145  
Fits: All Models



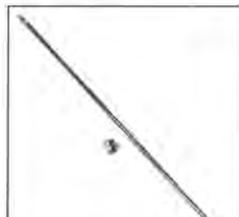
**Support Plate 4-TEC Supercharged Engines**  
Part No. 950-190  
O.E. No. 529-035-947  
Fits: 4-Tec Supercharged



**Alignment Support Plate kit**  
Part No. 950-135  
O.E. No. 529-035-506  
Fits: All Models



**Camshaft Locking tool**  
Part No. 950-180  
O.E. No. 529-035-839  
Fits: 4-Tec Engines



**Alignment Shaft**  
Part No. 950-140  
O.E. No. 295-000-141  
Fits: All Models



**Drive Shaft Holder**  
Part No. 950-155  
O.E. No. 529-035-986  
Fits: GTX 4-Tec & RXP 4-Tec Models



**Seal & Bearing Pusher**  
Part No. 950-165  
O.E. No. 529-035-955  
Fits: GTX 4-Tec Models



**Shaft Pusher**  
Part No. 950-170  
O.E. No. 529-035-819  
Fits: GTX 4-Tec Models



**Ring Gear Blocking Tool**  
Part No. 950-175  
O.E. No. 529-035-946  
Fits: 787 RFI Engines & 947 DI Engines



**Ball Bearing Support Pusher**  
Part No. 950-200  
O.E. No. 529-035-950  
Fits: 4-Tec Supercharged



**Ring Gear Blocking Tool**  
Part No. 950-172  
O.E. No. 529-035-846  
Fits: 529035846

Hot Products is proud to offer a complete line of Service Tools and Hardware for all your service and Repair needs.



FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES  
SERVICE TOOLS  
/HARDWARE  
CHEMICAL

## FOR SEA DOO ENGINE



### SD 4-TEC VALVE COMPRESSION TOOL

Our overhead Valve

Compression Tool allows easy removal of valve springs and keepers without removing cylinder head. Includes compression adapter to pressurize cylinder keeping valves in place during removal of stock springs and keepers.

Description	Part No.
SD 4-TEC Valve Compression Tool	RS19050-VCT



### R&D SUPERCHARGER REBUILD TOOL KIT

R&D has designed a custom tool kit that is essential in the rebuilding process of the Sea Doo Supercharger. All tools are specific in application and are CNC machined to ensure a precision job.

Description	Part No.
A. Supercharger Holder Tool	613-96005
B. Bearing Puller/Installer Tool	613-96006
C. Seal/Bearing Retainer Torx Wrench	613-96008
D. 215HP 16 Tooth Drive Gear Tool	613-96016
D. 185HP 17 Tooth Drive Gear Tool	613-96017
E. 185HP Clutch drive / Lock Washer Tool	613-96018
E. 215HP Clutch drive / Lock Washer Tool	613-96019

\*NOTE: Kit comes with a S/C holder, bearing puller/installer tool, drive gear tool and clutch drive/lock washer tool.



### RIVA SEA DOO SUPERCHARGER SHAFT HOLDER TOOL

Our SeaDoo Supercharger Shaft Holder Tool makes servicing your supercharger a snap. Ergonomically designed billet handle allows a sure, firm grip without fatiguing your hand. Working ends are made from heat treated tool-grade steel to resist wear and are oversized to prevent flexing. A must for every mechanic's tool box!

Description	Part No.
RIVA SeaDoo SC Shaft Holder Tool	RS1750-ISH-949



### TORX® SOCKET SET FOR SEA DOO

Special Star Sockets for Sea Doo 4-Tec& DI engine bolts are made from heat-treated vanadium steel and black oxide coated for durability. Sockets are kept in a convenient vinyl holder.

• Four 3/8" Drive Sockets (T10, T12, T14, T16) • Three 1/4" Drive Sockets (T6, T7, T8)

Description	Part No.
Torx Socket Set	LS26750

## FOR YAMAHA 1.8L ENGINE



G.

### R&D SPECIALTY SUPERCHARGER TOOLS FOR YAMAHA 1.8L ENGINE



H.

R&D has designed a custom tool kit that is essential in the rebuilding process of the Yamaha Supercharger. All tools are specific in application and are CNC machined to ensure a precision job.

Description	Part No.
G. Supercharger Housing Holder Bracket Tool	612-92010
H. Shaft/Gear Holding Tool	612-92011



### R&D SUPERCHARGER CLUTCH REMOVAL TOOL FOR YAMAHA 1.8L ENGINE



This R&D tool enables the clutch to be changed in a matter of only minutes. With the supercharger and front engine cover removed the tool drops down through the case and secures the drive gear at the front of the crankshaft from rotating when the clutch is removed and installed. This is a "must have" tool that will save

massive amounts of time for any mechanic.

Description	Part No.
R&D Supercharger Clutch Removal Tool	612-92012



### FZR VALVE SPRING COMPRESSION TOOL KIT

The R&D Valve Spring Compression Tool Kit allows easy removal of the intake or exhaust valve springs and keepers without removing the cylinder

head. R&D recommends using the compression adapter from a compression gauge kit to pressurize cylinder keeping valves in place during removal of springs and keepers.

Description	Part No.
FZR Valve Spring Compression Tool Kit	612-92013



### R&D VALVE STEM CONCENTRICITY GAUGE

The R&D Valve Stem Concentricity Gauge is a testing tool to check the roundness and trueness of valves. Small valves can distort or bend from heat produced in high performance supercharged or turbo charged engines. To achieve a perfect seal on the seat the valve

needs to be concentric and true in every dimension. Gauge is fully adjustable to accommodate a variety of valve sizes and features a rigid, positive stop that can be set once and the trueness for an entire set of valves can be measured. Kit comes complete with dial indicator accurate to .001". This is a must have tool for any engine builder to get the most out of your high performance 4 stroke engine.

Description	Part No.
R&D Valve Stem Concentricity Gauge	612-80010

## FOR YAMAHA 1.8L ENGINE



### RIVA ENGINE VALVE SEAL TOOL

This handy tool provides easy removal and installation of valve stem seals on Yamaha 1.8L engines. Allows seal installation during fitting of valve train upgrade kit without removing cylinder head.

- Prevents seal distortion & gouging.
- Precision machined from 6061 aluminum & anodized.
- Knurled handle for positive grip.

Description	Part No.
Valve Seal Tool for Yamaha 1.8L Engine	RY19040-VST



### TORQUE ANGLE METER

For All Torque-to-Yield Fastener Applications. Commonly used for tightening head bolts & other bolts where a torque angle is required. Use with 1/2" drive.

Description	Part No.
Torque Angle Meter	LS28100



### RIVA VALVE COMPRESSION TOOL

RIVA's overhead Valve Compression Tool allows easy removal of valve springs and keepers without removing cylinder head. Includes compression adapter to pressurize cylinder keeping valves in place during removal of stock springs and keepers. Fits both Yamaha 1.8L & Kawasaki 1.5L 4-stroke engines.

Description	Part No.
RIVA Valve Compression Tool Fits Yamaha 1.8L & Kawasaki 1.5L 4-stroke	RY19040-VCT

## FOR YAMAHA 1.8L ENGINE

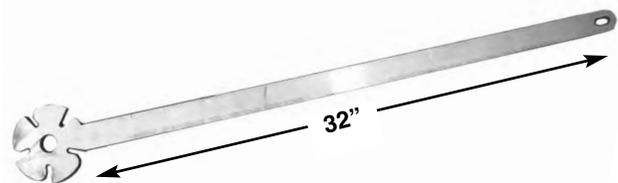


### FZR CAM TENSIONER TOOL

The R&D Cam Tensioner Tool is designed to mechanically spring preload the cam chain in order to set and verify cam timing. This eliminates the process of pressurizing the hydraulic cam tensioner to verify cam timing.

Description	Part No.
R&D FZR Cam Tensioner Tool	612-92015

### DRIVELINE COUPLER WRENCH



Description	Part No.
Driveline Coupler Wrench for SHO, FZR, VXR, VXS	132-57002

## FOR KAWASAKI ENGINE



### R&D ULTRA 250/260X SUPERCHARGER WHEEL PULLER TOOL

The R&D wheel puller tool makes it fast and easy to remove a supercharger wheel without the removal of the intercooler system or the water muffler assembly. The R&D Supercharger

drive wheel puller will save at least an hour on a pulley removal and replacement. A must have tool.

Description	Part No.
R&D Ultra 250/260X SC Wheel Puller Tool	611-26004



### R&D ULTRA 250/260X DRIVER WHEEL HOLDER TOOL

The R&D Holding Tool makes it fast and easy to remove and re-install a supercharger wheel without damaging or breaking the wheel hub. Use the holding tool to properly torque the drive bolts and main spline drive bolt. A must have tool.

Description	Part No.
Ultra 250/260X Driver Wheel Holder Tool	611-26003

FOUR STROKE

INTAKE SYSTEMS

ENGINE/GASKETS

EXHAUST

DRIVE LINE HANDLING

ELECTRICAL

WATERLINE /BILGE

STEERING & CONTROLS

BODY

ACCESSORIES

SERVICE TOOLS /HARDWARE

CHEMICAL

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
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BODY  
ACCESSORIES  
SERVICE TOOLS /HARDWARE  
CHEMICAL



## CARB SCREW ADJUSTING TOOL

Angled head for the hard-to-reach carb adjustment screws

**Description** Carb Screw Adjusting Tool  
**Part No.** 08-0119



## 90 DEGREE 1/4" HEX DRIVER

Precision made of high-grade aluminum & stainless steel. Designed for hard-to-reach pilot screw. Gear driven 1/4" hex. Includes 1/4" hex bits, straight slot, Phillips, D-shaped pilot screw bit, 6mm hex jet bit and 1/4"-hex-to-1/4" drive bit.

**Description** 90 Degree 1/4" Hex Driver  
**Part No.** 08-0229

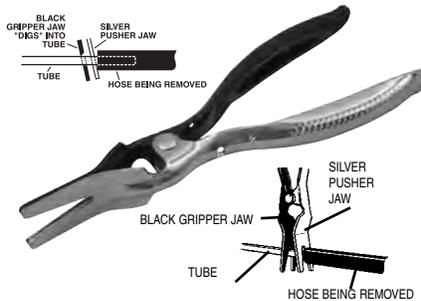


ONE-HANDED OPERATION

## HOSE PINCHER

Clamps and holds hoses up to 3/4" inside diameter. Angled jaws close to create a complete seal every time. Jaws are offset for hard-to-reach areas. The handles lock firmly to hold the jaws in closed position.

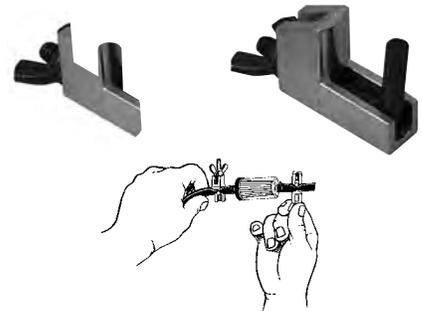
**Description** Hose Pinchers  
**Part No.** LS23000



## HOSE REMOVAL PLIERS

For easy removal of 5/32" to 1/2" (4mm to 14mm) hoses. Engage the tube (line) with the black jaw. This sharpened jaw actually "digs" into the tube to grip it! Squeeze, and the hose is easily pushed off by the silver jaw.

**Description** Hose Removal Pliers  
**Part No.** LS47900



## HOSE PINCHERS

Quick, easy way to pinch off fuel lines, etc. without damaging the line. Sold two per set.

**Description** Hose Pinchers  
**Part No.** LS22850



## MIKUNI TOOL KIT

This handy little kit contains all the tools necessary to make jetting change, perform normal maintenance as well as disassemble and rebuild any Mikuni carburetor

**Description** Mikuni Tool Kit  
**Part No.** MK-404



## ROTARY VALVE TIMING WHEEL

**Description** Rotary Valve Timing Wheel  
**Part No.** 012-170



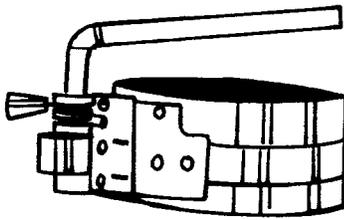
## MIKUNI POP-OFF GAUGE

For Accurate adjustment of pop off pressure levels for fine tuning requirements.

**Description** Mikuni 30 Lbs. Guage  
**Part No.** MK-BN PMP  
Mikuni 60 Lbs. Guage MK-BN PMP-60  
Mikuni 100 Lbs. Guage MK-BN PMP-100



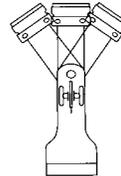
# ENGINE SERVICE TOOLS



## QUICK RELEASE RING COMPRESSOR

Ring Compressor makes it easy to remove ring from piston. Range is from 2-1/8" - 5" (54mm-127mm).

Description	Part No.
Quick Release Ring Compressor	LS19000

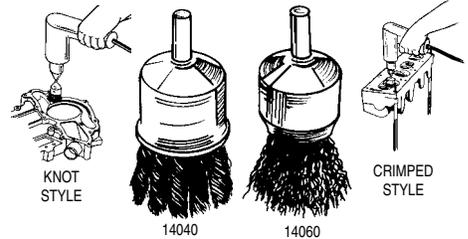


Locks in 3 Different Positions.

## FOLD-UP SCRAPER

The fold-up scraper features three arm positions and a slanted blade for proper scraping. Great for removing decals, etc.

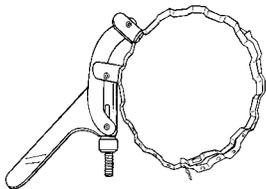
Description	Part No.
Fold-up Scraper	LS52400



## 1" WIRE END BRUSHES

Made with .020" industrial heat-tempered wire. Use with portable electric and air tools. 20,000rpm maximum safe speed.

Description	Part No.
1" Knot Wire End Brush	LS14040
1" Crimped Wire End Brush	LS14060



RINGS SLIDE IN EASILY  
RANGE 3" TO 5"  
(76.2 to 127mm)

## WRINKLE BAND RING COMPRESSOR

Wrinkle band cuts friction in half. Rings slide in easily 3" - 5" (76.2mm - 127mm).

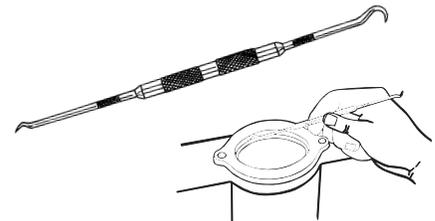
Description	Part No.
Wrinkle Band Ring Compressor	LS21700



## SEAL PULLER

Simply insert the tip of the tool behind the oil or grease seal, press and pull. Leverage works for you. Two size tips reach in and fit nearly all seal applications.

Description	Part No.
Seal Puller	LS56750



## "O" RING AND SEAL PICK

Quickly removes and installs "O" rings and seals. Tips are hardened to stay sharp.

Description	Part No.
"O" Ring and Seal Pick	LS31840



## PISTON RING INSTALLER

Description	Part No.
Piston Ring Installer	LS33500



## PISTON PIN PULLER

Universal piston pin puller easily removes all sizes of piston pins without any damage to the piston.

Description	Part No.
Piston Pin Puller	012-152

## CONVERSION TABLE

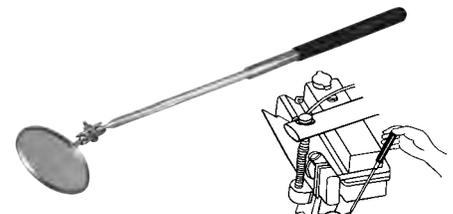
Unit	Conversion
<b>Linear Measure</b>	
centimeter (cm.)	0.3937 inch
meter (m.)	3.2808 feet / 1.0936 yards
kilometer (km.)	0.6214 mile
inch (in.)	2.54 centimeters
foot (ft.) = 12 inches	30.48 centimeters
yard (yd.) = 3 feet	0.914 centimeters
rod (rd.) = 5.5. yards	5.0292 meters
chain (ch.) = 4 rods	20.117 meters
furlong (fur.) = 10 chains	201.17 meters
mile (m., mi.) = 8 furlongs	1.6093 kilometers
league (l.) = 3 miles	4.8279 kilometers
<b>Aviordupois Weight</b>	
Gram (g.)	0.0353 oz. avdp.
kilogram (kg.) = 1,00 grams	2.2046 lb. avdp
metric ton (M.T.)	1.1023 short tons
	0.9842 long ton
grain (gr.)	0.0648 gram
dram (dr. avdp.) = 27.34 grains	1.7718 grams
ounce (oz. avdp.) = 16 drams	28.3495 grams
pound (lb. avpd) = 16 ounces	0.4536 kilogram
hundredweight (cwt.)	
(US) = 100 pounds	45.3592 kilograms
(UK) = 112 pounds	50.8024 kilograms
ton (t., tn.)	
(US) = short ton	
=2,000 pounds	0.907 metric ton
(UK) = short ton	
=2,240 pounds	1.106 metric ton



## COMPRESSION TESTER

Contains hoses for 10, 12 & 14mm spark plug applications. Features a quick disconnect with a pressure release valve and a 300lbs. Gauge. Packed in a convenient carry box. Made in USA.

Description	Part No.
Compression Tester	08-0188



## TELESCOPING MIRROR

Enables you to see around corner. 2-1/4" diameter mirror swivels to any position. Length extends from 10" to 14".

Description	Part No.
Telescoping Mirror	LS32050

FOUR STROKE

INTAKE SYSTEMS

ENGINE/GASKETS

EXHAUST

DRIVE LINE HANDLING

ELECTRICAL

WATERLINE /BILGE

STEERING & CONTROLS

BODY

ACCESSORIES

SERVICE TOOLS /HARDWARE

CHEMICAL



## PRO-CRIMP TOOL

To do a job right, it is important to have the right tools. If you custom build a lot of plug wires, the Pro-Crimp is the right tool for you! The Pro-Crimp features a hardened steel frame, molded hand grips and built-in ratchet action that is also adjustable. The tool is supplied with jaws to fit MSD's Super Conductor Spark Plug wires and can be removed to use additional jaws (sold separately) for crimping common wiring terminals.

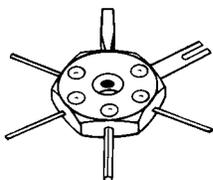
Description	Part No.
MSD Pro Crimp Tool	3505
Spark Plug Dies	3508
Amp Pins	3506
Amp Lug Dies	3507
Weathertight Dies	3509
Deutsch Terminal Dies	3510



## TERMINAL DETENT TOOL

The hollow barrel allows you to depress the tab on the terminal end and to remove the wire from the connector without damaging its ends.

Description	Part No.
Terminal Detent Tool	59-0254



## TERMINAL REMOVAL TOOL

Includes six different shaped blades.

Description	Part No.
Terminal Removal Tool	LS14900



## PERMA-SEAL CONNECTOR KIT

Description	Part No.
MSD Perma-Seal Connector Kit	4377



## TIMING LIGHT

MSD offers a heavy duty top quality timing light. This timing light is supplied in a heavy duty metal housing and features a high output Linear Xenon strobe with a focused fresnel lens that produces a light that's bright enough to use outdoors. It is equipped with a 6 foot lead and uses a metal inductive pickup that clamps to the spark plug wire.

Description	Part No.
Timing Light	8990



## TIMING DEGREE WHEEL

Set total loss timing with no guess work. Check crank shaft timing to exact degree. A must for porting and port timing.

Description	Part No.
Timing Degree Wheel	08-0092



## FLYWHEEL PULLER

Sea Doo	Part No.
800/951 38mm x 1.5	MP#42

Kawasaki	Part No.
900/1100 35mm x 1.5	MP#29
1200 STX-R,	MP#64
Ultra 150 33mm x 1.5	



## FLYWHEEL/MAGNETO PULLER

Sea Doo	Part No.
580/650/720	MP#37
12 Hole Disc 8mm Bolts	

Polaris	Part No.
Polaris All & Universal	MP#37
12 Hole Disc 8mm Bolts	

Yamaha	Part No.
580/650/Pre 94 701	MP#37
12 Hole Disc 8mm Bolts	
701/760/800/1100/1200	MP#37
12 Hole Disc 8mm Bolts	

Kawasaki	Part No.
300/440/550/650	MP#37
12 Hole Disc 8mm Bolts	



Kawasaki	Part No.
750/800	MP#18
Special 18mm x 1.5 Right Hand Bolt	



## MAINTAINER MODEL #CU2602

Total Amps: 0.5  
Battery System: 12Volt



**Description** Battery Maintainer **Part No.** CU2602

## CHARGER MODEL #CU2606A

Total Amps: 6  
Battery System: 12Volt



**Description** Portable Battery Charger **Part No.** CU2606A

## CHARGER MODEL #CU2612A

Total Amps: 10  
Battery System: 12Volt



**Description** Portable Battery Charger **Part No.** CU2612A



## JUMPER CABLES

8 feet long heavy duty 8 gauge copper jumper cables are big on charging power, yet stow conveniently in the 9 x 9 inch nylon bag.

**Description** Jumper Cables **Part No.** 59-0530



## SPARK PLUG TOOLS

**Description** Ratchet Plug Wrench **Part No.** 08-0147



## SPARK PLUG WIRE TESTER

Now you can check spark plug wires without piercing the wires. Light flashes indicating sound wire.

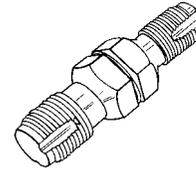
**Description** Spark Plug Wire Tester **Part No.** LS26900



## IGNITION SYSTEM SPARK TESTER

This ignition system tester checks the integrity and strength of your system by gauging your systems spark.

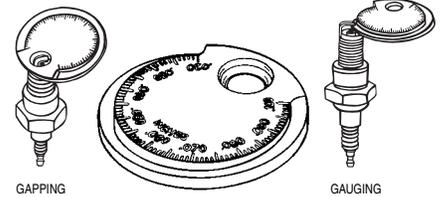
**Description** Ignition System Spark Tester **Part No.** 08-0122



## SPARK PLUG HOLE THREAD CHASER

Cleans threads in spark plug hole. Use with 13/16" spark plug socket. Double-ended for both 14mm and 18mm threads.

**Description** Spark Plug Hole Thread Chaser **Part No.** LS20200



## STANDARD/HIGH ENERGY SPARK PLUG GAUGE & GAPPER

Gauge and gap all types of spark plugs from .020" to .110 (.50mm to 2.53mm).

**Description** Spark Plug Gauge and Gapper **Part No.** LS67870



## SPARK PLUG HOLDERS

Spark Plug Holder protects the electrode, maintaining the proper gap.

**Description** 2 per Blister Pack **Part No.** SPH-2  
40 per Countertop Display **SPH-40**



HOKKAIDO, JAPAN  
ENTHUSIASTIC LOYAL CUSTOMER  
OF HOT PRODUCTS

FOUR STROKE  
INTAKE SYSTEMS  
ENGINE/GASKETS  
EXHAUST  
DRIVE LINE HANDLING  
ELECTRICAL  
WATERLINE /BILGE  
STEERING & CONTROLS  
BODY  
ACCESSORIES SERVICE TOOLS  
/HARDWARE  
CHEMICAL

FOUR  
STROKE

INTAKE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGE

STEERING  
& CONTROLS

BODY

SERVICE TOOLS  
ACCESSORIES

/HARDWARE

CHEMICAL



## SUPER OUT EXTRACTOR SET

A super strong extractor set made of a special hardened, shock-resistant tool steel.

Works on both left and right hand threads. Super Outs cut their way straight into bolts, eliminating welding or further tightening of frozen bolts and screws. Five extractor sizes extract 1/4" to 1/2" and larger bolts and screws.

Description	Part No.
Super Out Extractor Set	LS62900



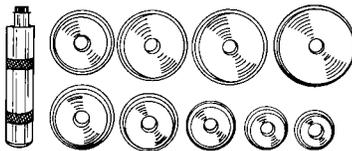
## 3/8" HAND IMPACT TOOL SET

Loosens Rusted, Frozen Nuts, Bolts and Screws. Unique design delivers over 200 ft. lbs. of Shock Torque. Can be reversed to tighten. Can also be used with impact sockets!



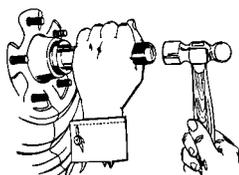
Part No.	Impact Set Includes:
29200	Impact Set Includes:
29000	3/8" Impact Tool
29520	3/8" Bit Holder
29630	#1 Phillips Bit
30180	#2 Phillips Bit
29550	#3 Phillips Bit
30190	#4 Phillips Bit
30170	3/8" Straight Slot Bit

Description	Part No.
3/8" Hand Impact Tool Set	LS29200



SET INCLUDES ONE OF EACH OF THE FOLLOWING DRIVERS:

DRIVER PART NO.	SIZE
12610	1.565"
12620	1.750"
12630	1.965"
12640	2.325"
12710	2.470"
12650	2.555"
12690	2.830"
12700	2.995"
12970	3.180"



## BEARING RACE AND SEAL DRIVER—MASTER SET

Make it easier to insert bearing race and seals without damage to race. This master set includes nine drivers to fit most standard bearings.

Description	Part No.
Bearing Race and Seal Drive	LS12980



## IMPELLER HOLDER TOOL

Holds spline of drive shaft for removal of impeller.

Sea Doo	Part No.
A. 580/650/720/800/951 All 18mm spline	TOOL#23

Polaris	Part No.
B. Polaris ALL & long reach universal 20mm spline	TOOL#38



## IMPELLER HOLDER TOOL

Sea Doo	Part No.
C. GTX 4-Tec SC (22mm)	TOOL#70
D. RXP/RXT (27mm)	TOOL#71



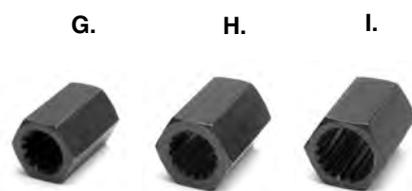
## SOLAS IMPELLER HOLDER TOOL

Sea Doo	Part No.
RXP/RXT (27mm)	WR012-SRX



## IMPELLER HOLDER TOOL FOR KAWASAKI

Kawasaki	Part No.
E. 440/550-89 16mm spline	TOOL#24
F. 650/750/900/1100 & Ultra 250/260/300 18mm spline	TOOL#23



## IMPELLER SHAFT HOLDER TOOL FOR YAMAHA

Yamaha	Part No.
G. WR500, WJ650LX 16mm spline	TOOL#27

H. 650/701/760/1100/1200 18mm spline	TOOL#32
--------------------------------------	---------

I. GP1200R 20mm spline (18 tooth)	TOOL#56
SHO/FZR/FZS 20 mm spline (20 tooth)	TOOL#53



DS# 61-5

DS# 60-3

## DRIVE COUPLER TOOLS

Use to remove drive coupler from crankshaft and sub-shaft.

Description	Part No.
650/701	TOOL#60-3
760/800/110/1200	TOOL#61-5



## WATCON IMPELLER PITCH GAUGES

It's a known fact; not all impellers are created equal. Sometimes when impellers are mass produced, there are subtle differences that can affect performance. Use this simple tool to measure the pitch angle and blade length of each blade throughout its circumference. This enables you to make adjustments to the pitch where needed. Great for fine tuning, making minor changes or verifying pitch when sending impellers off for repair.

Description	Part No.
140-142mm Impellers	IMP-142
144-148mm Impellers	IMP-148
155-160mm Impellers	IMP-160



## STUD TOOL

Economy stud installation and removal tool. The kit includes three sizes: 6mm, 8mm and 10mm.

Description	Part No.
Economy Stud Tool Kit	WJ7710



## STUD INSTALLATION TOOLS

Will Install cylinder and intake manifold studs. Hex head is 3/4" or 19mm.

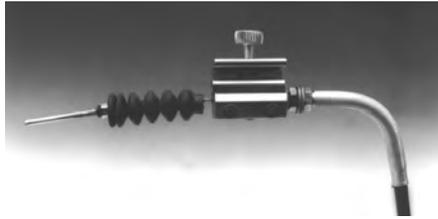
Description	Part No.
6mm x 1.00 Stud Tool	08-0149
8mm x 1.25 Stud Tool	08-0150
10mm x 1.25 Stud Tool	08-0151



## HEX-PRO AND STAR-PRO PIVOT HEAD WRENCHES

- Pivot design allows for easy rotation around obstructions
- Heat treated alloy tool steel
- Includes heavy duty folding canvas storage pouch

Description	Part No.
Hex-Pro Metric	08-0420
Hex-Pro SAE	08-0419
Star-Pro	08-0421



## CABLE LUBBER

Installs quickly and helps free up corroded or tight cables. Note; Damaged cable should be replaced.

Description	Part No.
Cable Lubber	59-0250



## T-HANDLE RATCHET

Features a compact design that allows it to be used even in tight spaces.

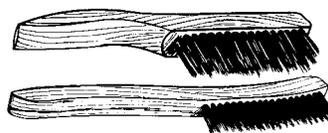
Description	Part No.
1/4" T-Handle Ratchet	08-0231
3/8" T-Handle Ratchet	08-0226



## BALL END ALLEN SET

Made of chrome-vanadium tool steel. Size available 1.5, 2, 2.5, 3, 4, 5, 6, 8, & 10mm. Ball end allows for better access to allen-head bolts (up to 25 degree working angle.)

Description	Part No.
Ball End Allen Set	08-0185



## SCRATCH BRUSH

Removes rust, scale, paint, and solder from metal surfaces.

Description	Part No.
Shoe Handle Scratch Brush	LS14180
Scratch Brush	LS14160



## PARTS CLEANING BRUSH

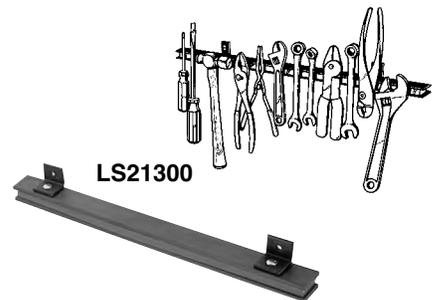
Description	Part No.
Parts Cleaning Brush	LS14000



## MAGNETIC SOCKET HOLDERS

Standard and deep sockets fit on one convenient holder with powerful magnets, securely holding on to any steel surface. Red color only.

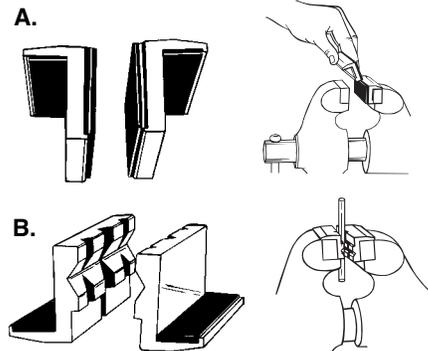
Description	Part No.
1/4" Holder with 26 Compartments	LS40120



## MAGNETIC TOOL HOLDERS

Powerful magnet holds even heavy hand tools. Ideal for both home and shop.

Description	Part No.
13" Long Magnetic Tool Holder	LS21300



## RUBBER-FACED & ALUMINUM VISE JAW PADS

These vise jaw pads are designed to protect delicate parts from damage. Sold in pairs.

Description	Part No.
A. Rubber-faced Vise Jaw Pads	LS48100
B. Aluminum Vise Jaw Pads	LS48000

FOUR  
STROKE

INTAKE  
SYSTEMS

ENGINE/  
GASKETS

EXHAUST

DRIVE LINE  
HANDLING

ELECTRICAL

WATERLINE  
/BILGE

STEERING  
& CONTROLS

BODY

ACCESSORIES  
SERVICE TOOLS

HARDWARE

CHEMICAL

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**STEERING  
& CONTROLS**

**BODY**

**ACCESSORIES**

**SERVICE TOOLS  
/HARDWARE**

**CHEMICAL**



**Adapter Kit  
Included!**

**FLUID EXTRACTOR**

- Empties oil in 15 pumps or less
- Extracts warm or cold oil
- Pressure relief valve allows easy transportation and storage
- Single-hand-ease effortless operation
- Tethered cap
- Delivers gulp-free, mess-free performance
- Complete adapter kit is included featuring three extraction tubes

Description	Part No.
Fluid Extractor (6.5 Liter Fluid Extractor)	<b>CJ-169-S</b>
Fluid Extractor Tube Replacement Kit	<b>72-13117A</b>

*\*Note: Not for use with gasoline.*



**RULE FLAT TANK  
ELECTRIC OIL  
EXTRACTOR**

Eliminate those costly yard service fees with the new quick, clean, compact electric oil extractor. Includes a 3-1/2 gallon compact self-priming diaphragm pump for extraction and an easy pour spout for oil transfer.

- 3.5 gallon (13 liter) leak proof container
- Designed for ease of carrying
- Complete with dipstick, suction tube & battery clamps
- Empties and stows easily
- Self-priming, dry running, 12 or 24 volt diaphragm pump

Description	Part No.
Electric Oil Extractor	<b>17860-0012</b>

**HT MOTO 6 LITER  
OIL EXTRACTOR**

The unit uses a small vacuum system, which pumps fluid through a hose to the 6-liter reservoir. It also includes a pour spout to aid in emptying the reservoir. Pump is removable for easy storage.



Description	Part No.
HT Moto 6 Liter Oil Extractor	<b>OIL01</b>



**HT MOTO 15 LITER  
OIL EXTRACTOR**

Ideal for bigger jobs and shops, this larger capacity oil/fluid extractor makes changing the oil on your 4 stroke PWC, snowmobile, ATV, boat, lawn mower, etc. clean and hassle free. Holds up to 15 liters (3.92 gal) in this sturdy portable container with built in pump.

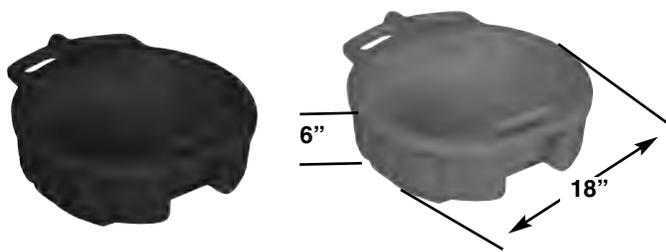
Description	Part No.
HT Moto 15 Liter Oil Extractor	<b>OIL03</b>



**SHOP  
LANYARD**

Not legal for riding.  
For shop testing only.

Description	Part No.
KPTW, Yamaha, Sea Doo	<b>A3240</b>
KPTW, Yamaha, Sea Doo DESS	<b>A3250</b>



**4.5 GALLON DRAIN PANS**

Now with built-in-ribs for draining filters in the pan. For easy transfer of liquids. High-density polyethylene material is resistant to chemicals and solvents, and is easy to clean. 1" wide diameter spout for quick and easy pouring. The anti-splash lip and baffles help prevent spilling when carrying or pouring. Comes with large, easy-grip handles. Two colors: 17942 is black for oil and 17952 is green for anti-freeze.

Description	Color	Part No.
4.5 Gallon Oil Drain Pan	Black	<b>LS17942</b>
4.5 Gallon Oil Drain Pan	Green	<b>LS17952</b>

**RATIO RITE  
CUP & LID**

With Ratio Rite measuring cup get a perfect mix every time. Fill to the pre-calibrated ratio mark and pour into gas. Ratios are from 16:1 to 44:1 for up to 12 gallons. Calibrations also include oz., cc's, and pints.



Description	Part No.
Ratio Cup	<b>59-0548</b>
Ratio Rite Cup Lid	<b>59-0582</b>



## ELME TOOLS SEVED DIAGNOSTIC SYSTEM

Elme Tools has developed the newest essential tool for any PWC or Boat mechanic. Elme Tools utilized the newest state of the art technology to develop the "Seved Pro" diagnostic tool.

Seved Pro is the professional multi brand diagnostic solution, it is the most complete tool created for users looking for independence and flexibility in managing jet skis and marine engines.

Seved Pro connects directly to diagnostic socket and read/erase fault codes, output live data, program and reset.

- Multi brand
- Key and remote programming
- Portable and autonomous
- Updates via internet
- Full technical support
- Evolving device

Seved Pro is the only diagnostic tool you will need to purchase. Depending on your requirement, customers are free to configure their own diagnostic tool to manage all engine brands. With the programming facility, you will also be able to program keys and remotes for any PWC brand.

Thanks to Seved Pro, each mechanic will boost business and expand the service offered to their customers

Seved Pro is a complete diagnostic device for:

- BRP Sea Doo with key programming
- Kawasaki with key programming
- Yamaha with remote programming
- Benelli
- Volvo Penta
- Yanmar
- Weber
- Mercury
- Mercruiser
- Jet Lev with key programming
- BRP CAN-AM
- Suzuki Outboard
- Yamaha Outboard

Software can also be ordered separately, depending on the services offered to its customers.

### Who is Elme Tools?

Elme Tools are the leader in car keys and controls programming. The company's first commercial activity has been focused on code keys and locks adaptation for all kind of vehicles. As time goes on the business philosophy had clearly gone towards a very specific expertise: the generic knowledge of everything related to active safety car system. Immobilizer, central locking (comfort), remote controls, transponders, activation of crypto keys, etc...

In sum, they have been developing diagnostic tools for the past 15 years and have sold so far 14,000 diagnostic devices in more than 100 countries. It is that experience that has allowed the company to expand their business activity to the pwc and marine industry. The company goal is ambitious but simple; bring a complete diagnostic solution to manage pwc and marine engines with efficiency.

Base Unit	Part No.
Seved Pro Diagnostic System Base Unit*	<b>SEVED PRO</b>
This unit includes: Master Cable (ADC300), SEVED PRO Marine Operating Manual (OPM110), Carry case (ADA100), Neoprene case (ADA101), Dongle case (ADA 102), Dongle A (ADC400), USB Cable (ADC153), Power cable (ADC152), Power cable (12 Volts) (ADC450)	
* <b>Base unit does not include software program. You can purchase software separately, or you can purchase a SEVED Pro Kit, which includes Base Unit and software program listed below.</b>	

Kit (Base Unit + Software)	Part No.
Seved Pro + Software full kit ADS400 to ADS410	<b>FULLPACK**</b>
Seved Pro + Software PWC Kit	<b>PWCPACK**</b>
ADS400/401/402/404/405/408	
** <b>Due to upgrade of programs &amp; connectors, pricing may change. Please confirm pricing when placing your order.</b>	

Software	Part No.
BRP, BRP CAN-AM, Jet Lev Diagnostics	<b>ADS400</b>
BRP, BRP CAN-AM, Jet Lev Key Programming	<b>ADS401</b>
Mercruiser, Mercury Diagnostics	<b>ADS403</b>
Volvo Penta D3, D4, D6	<b>ADS406</b>
Suzuki 4 Stroke Outboards	<b>ADS410</b>
Kawasaki Diagnostics (Including Fitch) + Key Programming (cable ADC419)	<b>ADS402</b>
Yamaha PWC & Outboard Diagnostics	<b>ADS404</b>
Hydrospace, Benelli, Weber S4	<b>ADS405</b>
Yanmar Diagnostics	<b>ADS407</b>
Yamaha Remote Programming	<b>ADS 408</b>

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SERVICE TOOLS  
/HARDWARE

CHEMICAL



## ThreeBond

### THREBOND THREAD LOCK

#### (Green Label) High Strength Thread Lock #1303

For various threads, screws, bolts and piping joints which must remain secure.

#### (Red Label) Medium Strength Bearing & Stud Thread Lock #1333B

Retain high-strength properties for bearings and studs.

Apply heat to soften for easier removal.

Description	10ml	50ml
High Strength Thread Lock	1303AT000	Not Available
Medium Strength Bearing & Stud	Not Available	1333B50C



1211AT100



1207B100G

### THREBOND SILICON GASKET

#### #1211 (White) Silicon Liquid Gasket

High grade silicon liquid gasket used by many OEM's in aluminum case assembly. 1211 is tack free in 90 minutes and fully cured in 24 hours.

#### #1207B (Black) Quick Dry Silicon Gasket

Crankcase sealer for large gaps, sheet metal, tough to seal areas, and vertical applications. 1207B is tack free in 5 minutes and fully cured in 24 hours.

Description	Part No.
Silicon Liquid Gasket (White)	1211AT100
Quick Dry Silicon Liquid Gasket (Black)	1207B100G



### THREBOND SUPERGLUE & ADHESIVE

#1742 Super Glue - Glue attains practical use strength in a matter of seconds.

Description	Part No.
Threebond Super Glue	1742BT020



1oz. Bottle

## CORROSION BLOCK®

### CORROSION BLOCK MULTI-PURPOSE GREASE

This grease won't soften, breakdown or wash out in wet application. Liquid grease is ideal for use in electrical applications requiring grease.

Description	Part No.
Corrosion Block Liquid 1oz. Bottle	CB-20001



### QUICK CRAFT

QuickCraft forms an insoluble coating that binds a layer of water around the hull. As a result, the drag between the hull and the surrounding water is reduced, and the boat slides through the water will less resistance. Results in increased speed and better fuel efficiency.

Description	Part No.
QuickCraft 16 oz. bottle	QC16

## DUCKY



DUC-1001



DUC-1002

### "THE ORIGINAL" DUCKY

#### DUCKY ALL PURPOSE CLEANER — DUC-1001

Use Ducky All Purpose for cleaning: boat hulls, exhaust deposits, upholstery, carpet, other synthetics, chrome, mirrors and windows. Trigger spray activates rich, deep- cleaning foam that penetrates, lifts and suspends grease and grime.

#### DUCKY PWC DETAILER — DUC-1002

Ducky Detailer creates a molecular bond with the surface of your finish, providing ultimate protection from harmful U.V. rays and soil accumulation. Ultra violet brightener will enhance colors while leaving a smooth-to-the-touch, wet-look finish.

Description	Part No.
All Purpose Cleaner 32oz. (946ml.)	DUC1001
PWC Detailer 24oz. (709ml.)	DUC1002



### Sticker-On! Decal Application Fluid

No more bubbled on or wrinkled decals.

Description	Part No.
Sticker-On 2 oz.	964

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INTAKE SYSTEMS
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BODY
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## Hot Products is Proud to Sponsor Pro Jet Ski Freerider Taylor Curtis



Taylor has been competing as a Professional Jet Ski Rider for the past 10 years and has over 20 years of riding experience. He has been fortunate to ride with and learn from the very best in the Jet Ski World. His enthusiasm and passion for the sport is what keeps him at the top of his craft. Innovation in conjunction with the progression of this sport is what allows him to develop many of the top new tricks.

Taylor is more than just a Professional Jet Ski Rider and Competitor, he is a top mechanic and Jet Ski builder. He takes great pride in preparing his own High Performance Jet Ski's from top to bottom with the best parts and equipment the Industry has to offer. He has built a respected name within the watercraft world as a Professional Athlete and Consultant to others.

Through his success as one of the best; he continues to do stunt work for major motion films and televisions shows. In the search for new riding locations he has evolved into a top Big Wave Water Safety Rescue Rider and Trainer for the surfers at Cortez Banks, Mavericks and Jaws.



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