

YAMAHA FX-SHO & FX CRUISER SHO • INTAKE • SUPERCHARGER



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

The Riva Power Filter feeds your SHO 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



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, looks, and sound at a fraction of the cost of other aftermarket kits. Kit comes complete with all necessary hardware and installs in minutes.

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



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.

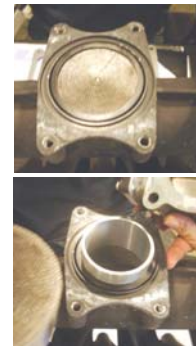
Description Part No.
R&D FX-SHO/FZR/FZS Power Plenum Flame Arrester 200-01800



FOR INTAKE MANIFOLD



FOR INTERCOOLER



OEM

R&D

R&D 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 Part No.
R&D FX-SHO/FZR/FZS Power Core Billet Intake Manifold Sleeve & Intercooler Spacer CFM Kit 612-18000
R&D FX-SHO/FZR/FZS Intercooler CFM Spacer Only 612-17999



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

Upgrade 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. *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



4 STROKE	YAMAHA
SYSTEMS	INTAKE
GASKETS	ENGINE/
EXHAUST	EXHAUST
DRIVE LINE	DRIVE LINE
ELECTRICAL	ELECTRICAL
WATERLINE	WATERLINE
/BLIGE	/BLIGE
STEERING	STEERING
& CONTROLS	& CONTROLS
BODY	BODY
ACCESSORIES	ACCESSORIES
SERVICE TOOLS	SERVICE TOOLS
/HARDWARE	/HARDWARE
CHEMICAL	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/FZS C1 MONSTER CHARGER WHEEL

R&D's new C1 11 Blade Series Monster Compressor Wheel Kit for Yamaha 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 7/8.5 P.S.I. (7 @ 7500 and 8.5 @ 7700) Horsepower increases were professionally documented by MOTEC AUSTRALIA.

- Increased boost pressure (3-3.5 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 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 10/13 P.S.I. (10 @ 7700 and 13@8300) 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 (5 P.S.I. 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 impellor upgrades over the C1 impellor suggestions. Contact R&D for intercooler suggestions, and impellor pitch/nozzle combination that will be best for your performance level or application. R&D stocks the largest selection of custom impellors for the SHO/FZ/FZR.

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



RIVA PRO-SERIES SUPERCHARGER IMPELLER

Presenting the ultimate (drop-in) performance supercharger impeller for the Yamaha 1.8 liter Supercharged Engine! Working closely with Vortech Engineers, we developed a high-performance replacement impeller that delivers 14 lbs of boost @

8,000rpm 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 detailed installation instructions.

NOTE: This impeller requires use of RIVA Pro-Series ECU & Injector Kit for proper engine management calibration and premium 91+ octane fuel is required.

Description	Part No.
Riva FX-SHO/FZR/FZS Pro-Series S/C Impeller	RY17040-SCI-1



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



R&D FX-SHO/FZR/FZS 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 over the stock cooper 6 core design. The R&D core will flow more air, offer better cooling efficiency, and allow the C1 Monster Wheel to live up to its airflow volume potential.

The R&D core will flow more air, offer better cooling efficiency, and allow the C1 Monster Wheel to live up to its airflow volume potential.

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

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



R&D FX-SHO/FZR/FZS 300+ HP INTERCOOLER KIT

The new R&D Intercooler System will efficiently

decrease superheated air temperatures produced by high performance Superchargers. Designed for 300+ horsepower applications.

Description R&D FX-SHO/FZR/FZS Stage 1 Intercooler Core Kit **Part No.** 612-18002



RIVA FX-SHO/FZR/FZS POWER COOLER

The RIVA Power Cooler intercooler system features a huge Vortech cooler element for maximum efficiency. Delivers an increase of 15 peak horsepower over original intercooler providing arm-wrenching results on the water. The RIVA 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. Innovative design allows easy disassembly of cooler element & ducting for maintenance and cleaning. Installs securely with shock absorbing rubber mounting system and stainless steel hardware. Power Cooler Kit contains all necessary hardware and detailed installation instructions.

Description Riva FX-SHO/FZR/FZS Power Cooler **Part No.** RY17040-PC



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

The R&D Yamaha FX-SHO/FZR/FZS Surge Protector Kit will significantly improve supercharger clutch and compressor wheel performance

and reliability by eliminating damaging compressor surge. The R&D Yamaha FX-SHO/FZR/FZS 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 SHO 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 R&D Surge Protector Kit **Part No.** 612-18008

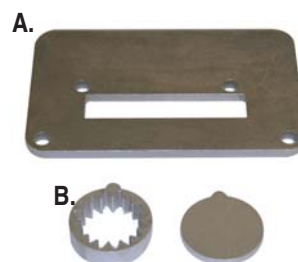


R&D FX-SHO/FZR/FZS BILLET SURGE PROTECTOR VALVE & FILTER KIT

The R&D Billet Surge Protector Valve and Filter Kit is now available. The billet aluminum CNC machined valve

is an optional bolt-on replacement for the plastic Bosch valve used in the R&D and other aftermarket surge protection systems. The o-ring sealed billet design offers improved consistency and performance in higher boost pressure applications.

Description R&D Billet Surge Protector Valve & Filter Kit **Part No.** 613-95260



SPECIALTY SUPERCHARGER TOOLS

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

4 STROKE	YAMAHA
SYSTEMS	INTAKE
GASKETS	ENGINE/
	GASKETS
	EXHAUST
HANDLING	DRIVE LINE
	ELECTRICAL
	WATERLINE
	/BLIGE
	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 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 O2 Sensor Mount Kit	332-18010



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.
FX-SHO/FZR/FZS High Flow Exhaust Kit	332-18000



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 silicon replacement coupler and installation instructions.

Description	Part No.
Riva FX-SHO/FZR/FZS Free Flow Exhaust Kit	RY16040



R&D BILLET EXHAUST OUTLET

The new R&D Billet Exhaust Outlet.

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



R&D HIGH TEMPERATURE SILICON COUPLINGS

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

YAMAHA FX-SHO & FX CRUISER SHO • FUEL SYSTEM



R&D FX-SHO/FZR/FZS 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 Fuel Pressure Regulator Kit	802-00080



R&D FX SHO/FZR 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 In-Tank Fuel Pressure Regulator Block Off Kit	812-35257



R&D FX-SHO/FZR/FZS HIGH PERFORMANCE FUEL INJECTOR KIT

When boosting the horsepower on the FX-SHO/FZR/FZS 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 OEM Yamaha SHO injectors have been precision flow rate tested to be 80 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 400 horsepower! R&D has flow rate tested the O.E.M. Yamaha SHO injectors and verified them to flow 396 cc at 43 PSI of fuel pressure, which rates them to flow 30 pounds of fuel per hour. The R&D High Performance Fuel Injectors have precision flow rate tested to 525 cc at 43 PSI of fuel pressure, and 625 cc at 70 PSI of fuel pressure, which rates them to flow as much as 62 pounds of fuel per hour. R&D High Performance Injectors have been flow rate tested to perform excellent, delivering precise fuel at fuel pressure ratings ranging from 40 to 80 PSI. Each R&D High Performance Fuel Injector Kit will come packaged with vital flow test rating information that will be broken down specifically in five pound increments in fuel pressure to give the fuel flow delivery information that will help in tuning fuel pressure to match the engines fuel flow needs based on horsepower gains over stock. R&D offers only the highest quality fuel injectors, fuel pressure regulators, and fuel management accessories, for all your engine management needs.

Description	Part No.
R&D FX-SHO/FZR/FZS High Perf. Fuel Injector Kit	812-18000



RIVA FX SHO/FZR PRO-SERIES FUEL INJECTOR KIT

Riva's high performance fuel injector kit supplies modified Yamaha 1.8 liter Supercharged engines with additional fuel for RIVA Stage II & III applications. These 95lb injectors are designed for use with RIVA Pro-Series ECU (RY11840-01-C, page 7) for correct calibration. Injector sets are flow-matched for optimum idle quality and peak performance.

Description	Part No.
Riva FX-SHO/FZR/FZS Pro-Series Fuel Injector Kit	RY12040-I-KIT



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

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

YAMAHA FX-SHO & FX CRUISER SHO • FUEL SYSTEM

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/FZR/FZS PRO-SERIES ECU

The Riva Pro-Series Racing ECU delivers a huge performance

advantage to the Yamaha 1.8 liter Supercharged Engine. ECU is calibrated for Stage II & III applications and must be used with RIVA Pro-Series Fuel Injector Kit (RY12040-I-KIT, page 6) 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 7550 to 8300 RPM. With our recommended pump combination, engine RPM can be run higher producing more boost pressure and horsepower.
- Retains dash Display, Engine Diagnostic & Primary Engine Safety

Functions:

- 1) All original dash function are retained.
- 2) Provides diagnostic information that can be displayed via computer interface.
- 3) Sensor input is monitored for abnormal readings and will react by triggering warnings and/or limp mode.

*NOTE: RIVA Pro-Series ECU is for competition use only.
Available Summer 2009.*

Description	Part No.
Riva FX-SHO/FZR/FZS Pro-Series ECU	RY11840-01-C



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

The R&D Yamaha FX-SHO/FZR/FZS Multi-Pressure Port Adaptor Kit will allow quick and easy hook up of digital or manual boost gauges with the R&D Multi-port billet adaptor. The R&D Pressure Port Adaptor installs between the MAP sensor and the MAP sensor bracket as a "bolt on" part with no 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 Adaptor 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 Adaptor Kit	612-92005



R&D YAMAHA 2008/2009 SHO/FZ/FZR POWERSHOT FUEL INJECTION/ENGINE TUNER ENGINES

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.
08/09 SHO/FZ/FZR Powershot Fuel Injection/Engine Tuner	802-18000

R&D FX-SHO/FZR/FZS 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 190 LPH OEM Replacement Fuel Pump Kit	812-35190
R&D FX-SHO/FZR/FZS 255 LPH Low Pressure Fuel Pump Kit	812-35255
R&D FX-SHO/FZR/FZS 255 LPH High Pressure Fuel Pump Kit	812-35256

YAMAHA FX-SHO & FX CRUISER SHO • RPM KITS • ENGINE



RIVA RACING RPM KIT • FX-SHO PART #RY-RPM-FXSHO

STOCK FX-SHO AVG. SPEED • 65 MPH @ 7,450 RPM
RPM KIT • 68 MPH @ 7,500 RPM
ALL TESTING WAS PERFORMED WITH 1/3 TANK OF FUEL.

Description	Quantity	Part No.
RIVA FX-SHO Performance Power Filter Kit	1	RY13040
RIVA FX-SHO Free Flow Exhaust Kit	1	RY16040
RIVA FX-SHO Top-Loader Intake Grate	1	RY22040
RIVA FX-SHO Performance Ride Plate	1	RY21040
RIVA FX-SHO Pro-Series Sponson Kit	1	RY2625

Additional Performance Upgrades available:

Description	Quantity	Part No.
RIVA Intake Manifold Upgrade Kit	1	RY12040-IMUK

*Riva Racing Stage 1 Kit Coming Soon



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	MRO3603



NGK SPECIAL SPARK PLUGS FOR FOUR STROKE ENGINES

Description	Part No.
Yamaha FX SHO/FX Cruiser SHO/FZR (10 plugs per box)	LFR6A



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 Yamaha Four Stroke	59H-1344-0-00-00	KN303



MOELLER MARINE PRODUCTS FLUID EXTRACTOR

- Empties oil in 15 pumps or less
- Extracts warm or cold oil
- Single-hand-ease effortless operation
- Tethered cap
- Pressure relief valve allows easy transportation and storage
- Delivers gulp-free, mess-free performance
- Complete adapter kit is included featuring three extraction tubes

Description	Part No.
Moeller Oil Extractor (6.5 Liter Fluid Extractor)	MR07398

*Note: Not for use with gasoline.

USA Patent #5450924 Germany Patent #29500683.8 U.K. Patent #2272948
Australia Patent #674469 Taiwan Patent #113238 China Patent #ZL92241981.7



FX-SHO/FZR/FZS 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. Shims available in thickness of .010", .020", .050", .100"

Description	Thickness	Part No.
FX-SHO/FZR/FZS Engine Shims	.010"	050-00010
FX-SHO/FZR/FZS Engine Shims	.020"	050-00020
FX-SHO/FZR/FZS Engine Shims	.050"	050-00050
FX-SHO/FZR/FZS Engine Shims	.100"	050-00100

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

YAMAHA FX-SHO & FX CRUISER SHO • CONTROL

YAMAHA
4 STROKE

INTAKE
SYSTEMS

ENGINE/
GASKETS

EXHAUST

DRIVE LINE
HANDLING

ELECTRICAL

WATERLINE
/BILGE

STEERING
& CONTROLS

BODY

ACCESSORIES

SERVICE TOOLS
/HARDWARE

CHEMICAL



FX SHO
112-18000



FZR
112-18001

R&D FX SHO & FZR AQUAVEIN INTAKE GRATE

Description	Part No.
R&D Yamaha FX SHO Aquavein Intake Grate	112-18000
R&D Yamaha FZR Aquavein Intake Grate	112-18001



RIVA YAMAHA FX-SHO FZR/FZS 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'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 Yamaha FX-SHO Intake Grate	RY22040
Riva Yamaha FZR/FZS Intake Grate	RY22050



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
- Improved straight line stability
- Reduced chine walking on high speed sweepers
- Drives through chop with superior stability
- Retains reverse gate mounting and operation
- Unique multi-step concept
- Significantly improved cornering

Description	Part No.
R&D FX SHO High Performance Ride Plate	122-18000
R&D FZR High Performance Ride Plate	122-18001



WORX RACING YAMAHA 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 Yamaha FX SHO Sponsons Kit	WR542
Worx Yamaha FZR/FZS Sponsons Kit	WR543



RIVA YAMAHA FX-SHO PERFORMANCE RIDE PLATE

Our Performance Ride Plate for the new SHO improves top speed and reduces porpoising.

Unique design provides quicker planing and improved handling. Compatible with OEM speedo sender. Power coated to prevent corrosion.

Description	Part No.
Riva Yamaha FX-SHO Performance Ride Plate	RY21040



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 after-market 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 FX FZR/FZS Sponson Kit	122-01801



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 Yamaha FX-SHO/FZR/FZS/VX Sponsons Kit	RY2625

YAMAHA FX-SHO & FX CRUISER SHO • CONTROL

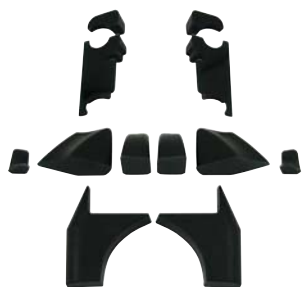


R&D SHO PUMP SEAL KIT

R&D's new pump seal kit for the SHO 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.

Description	Part No.
R&D FX SHO Pump Seal Kit for OEM Intake Grate	162-00003
R&D FX SHO Pump Seal Kit for Riva Racing Intake Grate	162-00004
R&D FX SHO Pump Seal Kit for R&D Aquavein Intake Grate	162-00005
R&D FZR Pump Seal Kit for OEM Intake Grate	162-00006
R&D FZR Pump Seal Kit for R&D Aquavein Intake Grate	162-00007



RIVA FX-SHO PUMP SEAL KIT

Dramatically reduce cavitation and prop spin with our easy to install Pump Seal Kit. Location specific, molded inserts fill the voids in intake grate that can bleed air into pump causing cavitation. Specifically designed for craft using RIVA FX-SHO intake grate (part# RY22040). Includes detailed installation instructions.

Description	Part No.
Riva FX-SHO Pump Seal Kit for Riva Intake Grate	RY25040
Riva FZR/FZS Pump Seal Kit for Riva Intake Grate	RY25050



R&D FX-SHO/FZR/FZS ANTI-CAVITATION CONE

The R&D FX-SHO/FZR/FZS 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 FX-SHO/FZR/FZS Anti-Cavitation Cone	162-18000



FX-SHO/FZR/FZS IMPELLER SHAFT HOLDER TOOL

Developed specifically for the FX-SHO/FZR/FZS watercraft, this tool is required to change the impeller.

Description	Part No.
FX-SHO/FZR/FZS Impeller Tool	TOOL #53



R&D FX-SHO/FZR/FZS 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.
R&D FX-SHO/FZR/FZS 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

FX SHO SKAT TRAK IMPELLERS 155-75-25 SWIRL W/BILLET NOSE BOOT

11/19 for a stock SHO application
12/20 for a stock stage 1 application
13/23 for a SHO stage 2

Imp. Pitch	Part No.	Imp. Pitch	Part No.
11/19	SY557525SW1119	13/23	SY557525SW1323
12/20	SY557525SW1220	13/24	SY557525SW1324
13/21	SY557525SW1321	13/25	SY557525SW1325
13/22	SY557525SW1322		

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

YAMAHA FX-SHO & FX CRUISER SHO • ENGINE PERFORMANCE KITS

R&D FZR/SHO PERFORMER ENGINE KIT PARTS RECOMMENDATION

Stock 67 mph @ 7600rpm
R&D Performer Engine Kit 70-71 mph @ 7700 rpm / 8.5lbs boost @ 7700

R&D FZR/SHO Performer Engine Kit Includes:

R&D Power Plenum Filter Pt# 200-01801
R&D C1 Monster Wheel Pt# 612-25001
R&D Intercooler CFM Kit Pt# 612-17999
R&D Intercooler Cooling Kit Pt# 660-18000
13/24 Pitch Prop Pt# SY557525SW1324 for FZR* or 13/23 Pitch Prop Pt#SY557525SW1323 for the SHO

The R&D FZR/SHO Performer Engine Kit was specifically developed to produce low end horsepower and increase top speed performance while maintaining 100% reliability using 91 octane pump gas and the stock ECU and fuel system. This kit delivers power and speed you are looking for, without difficult and expensive aftermarket ECU and valve train up-grades. The results are impressive, the increased boost pressure added by the popular R&D C1-11 Monster Compressor Wheel delivers improved acceleration and top speed performance. The Power Plenum Air filter ensures that a massive amount of unrestricted filtered air is delivered to the C1-11 Compressor Wheel. The R&D Power Core intake sleeve and Intercooler CFM Kit will allow the increased air flow and boost into the intake system with less restriction. The R&D Intercooler Cooling Kit adds cooling capability through more water flow to the OEM intercooler. Decreasing intake air temperature improves horsepower. * The 13/24 Pitch prop is specifically designed to deliver maximum hook up while keeping increased RPM's at safe and reliable levels for FZR applications. At R&D, reliability is always important. At our test center we have been developing and testing this kit for about 1 year. We felt it was time to prove the Performer Kits reliability. So we entered it in the 2009 Mark Hahn 300 Mile Endurance Race. The race conditions were grueling and continuous for 6 straight hours. We are proud to announce that not only did the Performer Kit finish the race, it also took first in class. If pump gas performance at an economic price is what you are in the market for, look no further. Dollar for dollar no other kit compares to the R&D Performer Engine kit.

- 3-4 mph Speed Gain
- 8.5 lbs boost @ 7700rpm
- Endurance Race Tested
- 30 Horsepower Gain
- Dollar for Dollar Best Performance

NOTE: The R&D Performer Kit data, and speed information posted was data logged on the water after an initial warm-up to stabilize engine temperatures. All testing was performed exclusively with Chevron 91 octane pump gasoline at 500 feet above sea level. Ambient air temperature during testing was 90-100 degrees, with under seat temp. of 150 degrees.

Optional Performance parts:

Powershot - Enables fuel tuning and overrides boost limiter Pt# 802-18050
Performance Intercooler Power Core Kit - Increases intercooler cooling capability Pt# 612-18001
R&D Aquavein Intake Grate Pt# 112-18000 for SHO - Pt# 112-18001 for FZR
R&D Pump Shoe Seal Kit Pt# 162-00004 for SHO - Pt# 162-00007 for FZR
R&D Ride Plate Pt# 122-18000 for SHO - Pt# 122-18001 for FZR
R&D Anti-cavitation Cone Pt# 162-18000
R&D Auto Trim Nozzle Pt# 162-18010
R&D Sponsons Pt# 122-01800 for SHO
- Pt# 122-01801 for FZR

R&D FZR/SHO STAGE 1 ENGINE KIT PARTS RECOMMENDATION

Stock 67 mph @ 7600rpm
R&D Stage 1 Engine Kit 71-72 mph @ 7700rpm / 10lbs boost @ 7700

R&D FZR/SHO Stage 1 Engine Kit Includes:

R&D Power Plenum Filter Pt# 200-01801
R&D C3 Monster Wheel Pt# 612-25003
R&D High Performance R4 Intercooler kit with Surge BOV Pt# 612-18002
R&D Powershot Fuel tuner & Boost Override Pt# 802-18000
13/25 Pitch Prop Pt# SY557525SW1325
R&D Multi- pressure Port Boost Gauge Adaptor Pt#612-92005

The R&D FZR/SHO Stage 1 Engine Kit was specifically developed to produce low end horsepower and increase top speed performance while maintaining 100% reliability using 91 octane pump gas and the stock ECU and fuel system. This kit delivers the maximum power and speed that the OEM ECU will allow, without difficult and expensive aftermarket ECU and valve train up-grades. The results are extremely impressive for a bolt-on kit. The increased boost pressure added by the R&D C3-11 Monster Compressor Wheel delivers massive acceleration and top speed performance. The R&D Power Plenum Air Filter was designed and developed exclusively for the new Yamaha supercharged intake system. Engineered with an oversized 6"x10"x6" plenum to deliver the cubic air volume needed to the R&D C3-11 Monster Compressor Wheel. The R&D High Performance R4 Intercooler Cooling Kit delivers the cooling and CFM capability to produce maximum horsepower with the C3-11 Compressor Wheel Kit. Decreasing intake air temperature and removing intake air restrictions improves horsepower. The R&D Powershot Fuel tuner will enable precise fuel tuning while interfacing with the ECU to allow the C3 Monster Supercharger Wheel to perform to full boost potential by defending against unwanted codes and internal E.C.U. limitations. The R&D 13/25 Pro Pitch prop is specifically designed to deliver maximum hook up while keeping increased RPM's at safe and reliable levels. The R&D Multi-pressure Port Boost Adaptor will enable bolt-on installation of a boost gauge and also provide an easy install to operate the surge blow off valve on the R4 Intercooler.

- 4-5 mph Speed Gain
- 10 lbs boost @ 7700rpm
- Endurance Race Tested (Mark Hahn 300)
- 50 Horsepower Gain

NOTE: The R&D Performer Kit data, and speed information posted was data logged on the water after an initial warm-up to stabilize engine temperatures. All testing was performed exclusively with Chevron 91 octane pump gasoline at 500 feet above sea level. Ambient air temperature during testing was 90-100 degrees, with under seat temp. of 150 degrees.

Optional Performance parts:

R&D Aquavein Intake Grate Pt# 112-18000 for SHO - Pt# 112-18001 for FZR
R&D Pump Shoe Seal Kit Pt# 162-00004 for SHO - Pt# 162-00007 for FZR
R&D Ride Plate Pt# 122-18000 for SHO - Pt# 122-18001 for FZR
R&D Anti-cavitation cone Pt# 162-18000
R&D Sponsons Pt# 122-01800 for SHO - Pt# 122-01801 for FZR
R&D Auto Trim Nozzle Pt# 162-18010
R&D Free Flow Exhaust Kit Pt# 332-18000



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 & FX CRUISER SHO • SEAT COVERS • MATS



FX SHO
Part # SEWFX1

FX SHO Cruiser
Part # SEWFX1C



FX FZR
Part # SEWFZR



FX FZS
Part # SEWFZS

HYDROTURF FX SHO, FZR & FZS SEAT COVER

Nice clean lines. Looks great in a simple Dark Gray Carbon Fiber and Black Vinyl combination or you can use our pattern to create your own color scheme. Choose from all our vinyl, carbon fiber, non-slip and metallic fabrics. Note: All seat covers are custom made. There are no refunds or exchanges on any upholstery items. Color swatches will be sent to you upon request prior to placing your order.

Description	Part No.
Hydroturf Yamaha FX SHO Seat Cover	SEWFX1
Hydroturf Yamaha FX SHO Cruiser Seat Cover	SEWFX1C
Hydroturf Yamaha FX FZR (09) Seat Cover	SEWFZR
Hydroturf Yamaha FX FZS (09) Seat Cover	SEWFZS



HYDROTURF MAT KIT FOR YAMAHA FZR, FZS & FX SHO

Description	Part No.
Hydroturf Mat FX SHO (08) FX Cruiser (08), FZR (09), FZS (09)	HTFX1

08-09 FX SHO Part # YSHO101



08 FX SHO Part # YSHO101



09 FZR Spike Design Part # YFZR101



09 FZR Retro Design Part # YFZR102



09 FZS Retro Design
Part # YFZS101



09 FZS Spike Design
Part # YFZS102

JETTRIM YAMAHA SEAT COVER

Jet Trim seats covers are developed to the highest performance standards and design trends for the PWC industry.

Description	Part No.
Jettrim Yamaha FX SHO Custom Seat Cover	YSHO101
Jettrim Yamaha FZR Spike Design Custom Seat Cover	YFZR101
Jettrim Yamaha FZR Spike Retro Custom Seat Cover	YFZR102
Jettrim Yamaha FZS Spike Retro Custom Seat Cover	YFZS101
Jettrim Yamaha FZS Spike Design Custom Seat Cover	YFZS102

*Note: Jet Trim Seat cover for FX SHO Cruiser is currently not available.



4 STROKE	YAMAHA
INATKE SYSTEMS	INATKE
GASKETS	ENGINE/ GASKETS
EXHAUST	EXHAUST
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