MIKUNI CARBURETORS
HI-PERFORMANCE SUPER BN
Extended Throttle Shaft Without Choke Shaft

38MM
Part # 53-2050
Mikuni # BN38-34-8113

44MM
Part # 53-2060S
Mikuni # BN44-40-8067

44MM
Part # 53-2060
Mikuni # BN44-40-8052

46MM
Part # 53-2065
Mikuni # 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 # 53-2085 Mikuni # BN40I-38-26

PTO-SIDE (REAR)
Part # 53-2090 Mikuni # 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

38MM
Part # 53-2063
Mikuni # BN34-28-8010
Yamaha
Wave Runner 500 88-89
Wave Jammer 500 88-89

44MM - I-SERIES

Part # 53-2080
Mikuni # BN40I-38-24

Sea Doo 720,
GTI, GTS, GS, GSI, '97

PTO-SIDE

44MM
Part # 53-2062
Mikuni # BN44-40-43
Yamaha Superjet,
Wave Blaster, Tigershark

DUAL CARBURETOR SET
46MM - I-SERIES

Part # 53-2095
Mikuni # 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.
**MIKUNI SUPER BN SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Hot Products Part #</th>
<th>Carb.</th>
<th>Low Speed Jet</th>
<th>High Speed Jet</th>
<th>Needle Valve</th>
<th>Arm Spring (grams)</th>
<th>Low Speed Adjuster</th>
<th>High Speed Adjuster</th>
<th>Choke or Primer</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>53-2050</td>
<td>BN38-34-8113</td>
<td>65</td>
<td>107.5</td>
<td>2.0</td>
<td>115 gr.</td>
<td>1.0</td>
<td>1.5</td>
<td>Primer</td>
<td>Silver</td>
</tr>
<tr>
<td>53-2060</td>
<td>BN44-40-8052</td>
<td>100</td>
<td>125</td>
<td>2.3</td>
<td>65 gr.</td>
<td>1.0</td>
<td>1.5</td>
<td>Primer</td>
<td>Black</td>
</tr>
<tr>
<td>53-2060S</td>
<td>BN44-40-8067</td>
<td>120</td>
<td>140</td>
<td>2.5</td>
<td>80 gr.</td>
<td>1.0</td>
<td>1.5</td>
<td>Primer</td>
<td>Silver</td>
</tr>
<tr>
<td>53-2065</td>
<td>BN46-42-8002</td>
<td>120</td>
<td>150</td>
<td>2.5</td>
<td>80 gr.</td>
<td>1.0</td>
<td>1.5</td>
<td>Primer</td>
<td>Silver</td>
</tr>
<tr>
<td>53-2062</td>
<td>BN44-40-43</td>
<td>120</td>
<td>115</td>
<td>1.5</td>
<td>115 gr.</td>
<td>1.0</td>
<td>.75</td>
<td>Choke</td>
<td>Black</td>
</tr>
<tr>
<td>53-2063</td>
<td>BN34-28-8010</td>
<td>77.5</td>
<td>80</td>
<td>1.5</td>
<td>65 gr.</td>
<td></td>
<td></td>
<td>Choke or</td>
<td>Black</td>
</tr>
<tr>
<td>53-2080</td>
<td>BN40I-38-24</td>
<td>70</td>
<td>167.5</td>
<td>1.5</td>
<td>95 gr.</td>
<td>1.25</td>
<td>closed</td>
<td>Choke or</td>
<td>Black</td>
</tr>
<tr>
<td>53-2085</td>
<td>BN40I-38-26</td>
<td>67.5</td>
<td>140</td>
<td>1.5</td>
<td>95 gr.</td>
<td>1.25</td>
<td>closed</td>
<td>Choke or</td>
<td>Black</td>
</tr>
<tr>
<td>53-2090</td>
<td>BN40I-38-27</td>
<td>67.5</td>
<td>142.5</td>
<td>1.5</td>
<td>95 gr.</td>
<td>1.25</td>
<td>closed</td>
<td>Choke or</td>
<td>Black</td>
</tr>
<tr>
<td>53-2095</td>
<td>BN46I-42-B4</td>
<td>77.5</td>
<td>162.5</td>
<td>2.0</td>
<td>95 gr.</td>
<td>1.25</td>
<td>closed</td>
<td>Choke or</td>
<td>Black</td>
</tr>
</tbody>
</table>
**Super BN38 / BN44 / BN46**

* Super BN38 and Late Super BN44
** Early Super BN44

---

### Mikuni Genuine Parts

**Diagram No.**

1. Gasket Pump (2) .................. BN38/547
1a. O-Ring* .......................... .BN38/82
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* .......................... .BN38/92007
7. Filter .......................... BN44/146
8. O-Ring, Hi Speed .................. B30/305
9. O-Ring, Low Speed .............. 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
18. Cover Pump .................. BN34/95B
19a. Body Assembly Pump* .......... BN34/128
(Must use w/O-Ring 1A)
20. Stop Screw, Idle** .......... BN44/109
20a. Stop Screw, Idle* ............. BN38/82
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
33. 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 72) N100.606-SIZE
36. Main Jet, 30-260 in increments of 5 (See page 72) N102.221-SIZE
37. Screw ......................... BN15/121-05-GG
38. Plate, Valve ................ BN34/108-GG
39. Valve Body Assembly .......... BN44/165
40. Screw (2 pcs) ............... CS-0414-G
41. Screw ..................... C6-0308-G
42. Cover (Stainless) .......... BN44/147

---

**Super BN Carburetor Tuning Manual**

For the watercraft tuner working with Super BN series carburetors.

**Description**

Mikuni Manual

**Part No.**

53-9999

---

**Carburetor Socket Bolt Kit**

Replace the stock phillips bolts on carbs with stainless steel socket head bolts.

**Description**

Mikuni Super BN

**Part No.**

59-9131

---

*[Super BN38 and Late Super BN44]*

**[Early Super BN44]**
THROTTLE VALVE KIT

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Throttle valve (#120) kit for 44mm</td>
<td>MK-BN/044 TV</td>
</tr>
<tr>
<td>Throttle valve (#120) kit for 46mm</td>
<td>MK-BN/046 TV</td>
</tr>
<tr>
<td>Throttle valve (#150) kit for 38mm</td>
<td>MK-BN/038 TV</td>
</tr>
</tbody>
</table>

THROTTLE SHAFTS AND VALVES (ALL PARTS SOLD INDIVIDUALLY - PER PIECE)

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Super BN 44mm Throttle Shaft (Extended)</td>
<td>703-89004</td>
</tr>
<tr>
<td>B. Super BN 44mm #120 Throttle Valve</td>
<td>BN44/06-120</td>
</tr>
<tr>
<td>C. Super BN 38/44/46mm Throttle Shaft Seal</td>
<td>N167,126</td>
</tr>
<tr>
<td>D. Super BN 38/44/46mm Throttle Shaft Clip (Standard)</td>
<td>BN38/566</td>
</tr>
<tr>
<td>D. Super BN 38/44/46mm Throttle Shaft Clip (Heavy Duty)</td>
<td>MK-BN/005</td>
</tr>
<tr>
<td>E. Super BN 38/44/46mm Throttle Shaft Washer (Nylon)</td>
<td>N114,077</td>
</tr>
<tr>
<td>F. Super BN 38/44/46mm Throttle Shaft Bushing</td>
<td>BN38/569</td>
</tr>
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</table>

90° FUEL INLET FITTING (PRESS IN)

<table>
<thead>
<tr>
<th>Description</th>
<th>Diag. #</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>90° Fuel Inlet Fitting</td>
<td>44</td>
<td>DF44-270</td>
</tr>
</tbody>
</table>

All parts sold individually - per piece

DIAPHRAGM AND FILTER

<table>
<thead>
<tr>
<th>Description</th>
<th>Diag. #</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>G. Diaphragm Assembly</td>
<td>16</td>
<td>BN44/145</td>
</tr>
<tr>
<td>H. Super BN Filter</td>
<td>7</td>
<td>BN44/146</td>
</tr>
</tbody>
</table>

All parts sold individually - per piece

ULTIMATE CARB GASKETS

Thick “Green” gaskets.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>38mm</td>
<td>9230</td>
</tr>
<tr>
<td>40mm “I” Series</td>
<td>9235</td>
</tr>
<tr>
<td>44mm</td>
<td>9240</td>
</tr>
<tr>
<td>46mm</td>
<td>9250</td>
</tr>
<tr>
<td>48mm</td>
<td>9252</td>
</tr>
<tr>
<td>50mm</td>
<td>9257</td>
</tr>
<tr>
<td>48mm SD951 I Series</td>
<td>6740</td>
</tr>
</tbody>
</table>
CARBURETOR JETS

Mikuni Low Jets
P/# (N100.606-size)

Size: 30 95
Size: 30 95 160
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
92.5 165

Mikuni Main Jets
P/# (N102.221-size)

Size: 30 95
Size: 30 95 160
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
92.5 165

Mikuni Main Jets
P/# (N102.221-size)

Size: 30 95
Size: 30 95 160
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
92.5 165

OLD TYPE NEEDLES & SEATS

— Screw in Type —

ROUND DIAPHRAGM COVER
STANDARD BN

OLD TYPE, STANDARD METAL TIP

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.2</td>
<td>786-35018-1.2</td>
</tr>
<tr>
<td>1.5</td>
<td>786-35018-1.5</td>
</tr>
<tr>
<td>1.8</td>
<td>786-35018-1.8</td>
</tr>
<tr>
<td>2.0</td>
<td>786-35018-2.0</td>
</tr>
<tr>
<td>2.3</td>
<td>786-35018-2.3</td>
</tr>
<tr>
<td>2.5</td>
<td>786-35018-2.5</td>
</tr>
</tbody>
</table>

NEW TYPE NEEDLES & SEATS

SQUARE DIAPHRAGM COVER SUPER BN (NEW TYPE)

— Push in Type —

VITON TIP

Recommended for Gas Fuel Applications

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.2</td>
<td>786-35015-1.2</td>
</tr>
<tr>
<td>1.5</td>
<td>786-35015-1.5</td>
</tr>
<tr>
<td>1.8</td>
<td>786-35015-1.8</td>
</tr>
<tr>
<td>2.0</td>
<td>786-35015-2.0</td>
</tr>
<tr>
<td>2.3</td>
<td>786-35015-2.3</td>
</tr>
<tr>
<td>2.5</td>
<td>786-35015-2.5</td>
</tr>
</tbody>
</table>

STANDARD METAL TIP

Recommended for Alcohol Fuel Applications

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.2</td>
<td>786-35018-1.2</td>
</tr>
<tr>
<td>1.5</td>
<td>786-35018-1.5</td>
</tr>
<tr>
<td>1.8</td>
<td>786-35018-1.8</td>
</tr>
<tr>
<td>2.0</td>
<td>786-35018-2.0</td>
</tr>
<tr>
<td>2.3</td>
<td>786-35018-2.3</td>
</tr>
<tr>
<td>2.5</td>
<td>786-35018-2.5</td>
</tr>
</tbody>
</table>

MIKUNI ARM SPRINGS

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
<th>Mikuni No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>65gm</td>
<td>53-2614</td>
<td>730-03030</td>
</tr>
<tr>
<td>80gm</td>
<td>53-2613</td>
<td>730-03033</td>
</tr>
<tr>
<td>95gm*</td>
<td>53-2615</td>
<td>730-03034</td>
</tr>
</tbody>
</table>

*This 95gm spring is for Sea Doo BN 46I Carbs Only!

95gm        | 53-2612  | 730-03027-T |
115gm       | 53-2611  | 730-03027    |

POP-OFF PRESSURE CHART

<table>
<thead>
<tr>
<th>Part No.</th>
<th>53-2611</th>
<th>53-2612</th>
<th>53-2613</th>
<th>53-2614</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arm Springs</td>
<td>115 grams</td>
<td>95 grams</td>
<td>80 grams</td>
<td>65 grams</td>
</tr>
<tr>
<td>Needle Valve Size</td>
<td>1.5 p.s.i.</td>
<td>1.5 p.s.i.</td>
<td>1.5 p.s.i.</td>
<td>1.5 p.s.i.</td>
</tr>
<tr>
<td>Color</td>
<td>Platinum*</td>
<td>Dull Silver</td>
<td>Black</td>
<td>Shiny Silver</td>
</tr>
</tbody>
</table>

*The new color “platinum” color is due to increasing emission regulations in Japan. The new treatment process of the springs creates the new color.
MIKUNI GENUINE PARTS
SUPER BN 46 “I”

Diagram No. | Description | Mikuni Part No. |
-------------|-------------|----------------|
4. | Grommet, Check Valve (2) | BN34/125 |
7. | Filter | BN44/146 |
8. | O-Ring, Hi Speed (2) | B33/305 |
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 | BN46/13 |
62. | Diaphragm, Pump (Clear) | BN46/14 |
63. | O-Ring | 616-73002 |
64. | Check Valve (2) | BN46/11 |
66. | Diaphragm, Damper | BN46/34 |
67. | Diaphragm, Damper (clear) | BN46/15 |
68. | O-Ring | 616-73003 |
69. | O-Ring, Needle Valve | KV10 |
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) | CS-0414-G |
41. | Screw | C6-0308-G |
42. | Cover (Stainless) | BN44/147 |
44. | Screw with 2 Washers (4) | BN34/120-35 |
45. | Stop Screw, Idle | BN38/40 |
46. | Screw (4) | C2S-0514 |
47. | Diaphragm, Accelerator, Pump | BN40/22 |
48. | Body Assembly, Pump | BN46/49 |
53. | 53-2115 BN46 I Rebuild Kit |

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 |

Needle and Seat See Page 72

For Yamaha GPR Repair Kit, see page 74.
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)

<table>
<thead>
<tr>
<th>Diagram No.</th>
<th>Description</th>
<th>Mikuni Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Gasket, Pump</td>
<td>BN46I/13</td>
</tr>
<tr>
<td>2.</td>
<td>Diaphragm, Pump (Clear)</td>
<td>BN46I/14</td>
</tr>
<tr>
<td>3.</td>
<td>O-Ring</td>
<td>616-92014</td>
</tr>
<tr>
<td>4.</td>
<td>Check Valve (2 pcs)</td>
<td>999-815-071</td>
</tr>
<tr>
<td>5.</td>
<td>Grommet (2 pcs)</td>
<td>BN34/125</td>
</tr>
<tr>
<td>6.</td>
<td>Diaphragm, Damper</td>
<td>BN46I/34</td>
</tr>
<tr>
<td>7.</td>
<td>Diaphragm, Damper (clear)</td>
<td>BN46I/15</td>
</tr>
<tr>
<td>8.</td>
<td>O-Ring</td>
<td>616-92015</td>
</tr>
<tr>
<td>9.</td>
<td>Filter, Fuel</td>
<td>BN44/146</td>
</tr>
<tr>
<td>10.</td>
<td>O-Ring, High Speed</td>
<td>BN21/156</td>
</tr>
<tr>
<td>11.</td>
<td>O-Ring, Low Speed</td>
<td>BN21/156</td>
</tr>
<tr>
<td>12.</td>
<td>O-Ring, Needle Valve</td>
<td>KV/10</td>
</tr>
<tr>
<td>13.</td>
<td>Gasket, Valve Body</td>
<td>BN34/123</td>
</tr>
<tr>
<td>14.</td>
<td>Check Valve (clear)</td>
<td>BN34/107</td>
</tr>
<tr>
<td>15.</td>
<td>Pin, Arm</td>
<td>VM30/97</td>
</tr>
<tr>
<td>16.</td>
<td>Spring, Arm 115 gram</td>
<td>730-03027</td>
</tr>
<tr>
<td>17.</td>
<td>Arm (Stainless)</td>
<td>BN38/534</td>
</tr>
<tr>
<td>18.</td>
<td>Diaphragm Assembly, Main</td>
<td>BN44/145</td>
</tr>
<tr>
<td>19.</td>
<td>Screw</td>
<td>C6=0308-G</td>
</tr>
</tbody>
</table>

**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.

BN44I/BN461 REPLACEMENT PARTS

19. Screw with 2 Washers (4)**                   BN34/120-35
20. Cover, Pump                                    BN46I/35
21. Body Assembly, Pump                            BN46I/49
22. Stop Screw, Idle                               BN38/40
23. Washer, Aluminum (3)                           BN38/39
24. Spring (2)                                     BN38/344
25. Cap, High Speed Adjuster                       BN44/118
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                                          BV15/1/21-05-GG
33. Plate, Valve                                   BN34/108-GG
34. Valve, Body Assembly                           BN44/185
35. Screw (2)                                      CS=0414-G
36. Needle Valve Assembly                          SEE PAGE 74
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

Note: DO NOT use gasket sealant during assembly.
MIKUNI HIGH VOLUME FUEL PUMP
16 gallons/61 Liters per hour

Description Part No.
Mikuni Fuel Pump 53-3328
Mikuni Fuel Pump Repair Kit 53-3328RP

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 53-3330

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

BLOWSION FUEL PUMP BLOCK OFF
New for 2009 Blowsion has created these sanitary anodized and engraved Blowsion 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.
Blowsion 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. Guage 53-9996
Mikuni 60 Lbs. Guage 53-9996-60
Mikuni 100 Lbs. Guage 53-9996-100

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 53-9988

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 53-9989
MIKUNI DUAL CARBURETORS LINKAGE KIT

The Mikuni Dual linkage kit includes all items as pictured: One complete linkage, one allen wrench and one 25mm damper for wider applications.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mikuni Dual Linkage Kit</td>
<td>MK-BN/001</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 mm center to center</td>
<td>LK-2</td>
</tr>
</tbody>
</table>

MIKUNI GENUINE OEM STYLE LINKAGE RODS

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>D. Sea Doo XP800</td>
<td>53-0615</td>
</tr>
<tr>
<td>E. Sea Doo 951</td>
<td>53-0616</td>
</tr>
</tbody>
</table>

CARBURETORS LINKAGE

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linkage Kit</td>
<td>53-0622</td>
</tr>
<tr>
<td>Mikuni Carburetor Linkage</td>
<td>53-0615</td>
</tr>
</tbody>
</table>

SLEEVES

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sleeve Only</td>
<td>53-9905</td>
</tr>
<tr>
<td>5/8”</td>
<td>16mm</td>
</tr>
<tr>
<td>3/4”</td>
<td>19mm</td>
</tr>
<tr>
<td>1”</td>
<td>25mm</td>
</tr>
<tr>
<td>2-3/16”</td>
<td>56mm</td>
</tr>
<tr>
<td>6”</td>
<td>152mm</td>
</tr>
</tbody>
</table>

JET WORKS 48MM BUTTERFLY

*No butterfly screws are included.

MISCELLANEOUS HARDWARE FOR CARBURETORS

All Items are Sold Individually

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linkage Rod End</td>
<td>BN 38/576</td>
</tr>
<tr>
<td>Mikuni Pump Side</td>
<td>BN 34/95B-Red</td>
</tr>
<tr>
<td>Cover - Red Color</td>
<td></td>
</tr>
<tr>
<td>Press-in Nipple 1/4”-1/8”</td>
<td>53-9935</td>
</tr>
<tr>
<td>Plastic T Fitting 1/4”-1/4”</td>
<td>64-0095</td>
</tr>
<tr>
<td>6m x 25mm Metric Stud</td>
<td>62-3025</td>
</tr>
</tbody>
</table>
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

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.

Description Part No.
Hot Products Cable Drum 18mm Throw 53-2622

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.

Description Part No.
Standard Size (20mm throw) 53-2625
Oversized (25mm throw) For Oil injection and stock carburetors of Yamaha GP/XL 53-2627

THROTTLE CABLE BRACKETS FOR MIKUNI

Kawasaki / Polaris / Tigershark Recommend for use with Hot Products Cable Drum Part #53-2622

Description Part No.
Cable Mount Diameter 10mm 53-3317

ADA Bracket KA800BRK-CARB

RIVA RACING DIAPHRAGM COVER MOUNT THROTTLE CABLE BRACKET

Recommend for use with Hot Products Cable Drum Part #53-2622

Description Part No.
Cable Mount Diameter 8mm RY12-TCB

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

DIAPHRAGM COVER MOUNT THROTTLE CABLE BRACKET

Recommend for use with Hot Products Cable Drum Part #53-2622

Description Part No.
Cable Mount Diameter 10mm 290-00200
ULTIMATE CARB GASKETS
Thick “Green” gaskets.

Keihin  Part No.
38mm          9200
40mm          9205
42mm          9220

CARB SCREW ADJUSTING TOOL
A special 90-degree screwdriver, designed to adjust carburetors of triple-cylinder watercraft.

Description  Part No.
Carb Screw Adjusting Tool  53-9994

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

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. The carb will stand straight up when using this adapter - the carb is just rotated a few degrees to clear the adapter mounting bolts.  53-3305
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. A short air filter is required for to prevent rubbing on the inside of the hood.  53-3308

CARBURETOR JETS
Keihin Low Jets  Keihin Main Jets  Keihin Main Jets
40  88  150  100  148
42  90  155  102  150
45  92  160  105  152
48  95  165  108  155
50  98  170  110  158
52  100  175  112  160
55  102  180  115  162
58  105  185  118  165
60  108  190  120  168
62  110  195  122  170
65  112  200  125  172
68  115  (for CDCV)  128  175
70  118  130  178
72  120  132  180
75  135  138  185
78  138  140  190
80  140  142  195
82  142  145  200
85  145

2011 Hot Products Sponsored Racer
Lorenzo “Benny” Benaglia • Italy
KEIHIN GENUINE CARBURETOR REBUILD KITS

Kits include all necessary gaskets, diaphragms, and hardware required to disassemble and rebuild Keihin carburetor.

KEIHIN COIL SPRINGS

Discontinued

KEIHIN GENUINE CARBURETOR PARTS

<table>
<thead>
<tr>
<th>Description</th>
<th>Diagram</th>
<th>Keihin Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screw</td>
<td>102</td>
<td>N114-03060</td>
</tr>
<tr>
<td>Adjust Screw (Main)</td>
<td>103</td>
<td><strong>DISCONTINUED</strong></td>
</tr>
<tr>
<td>Adjust Screw (Slow)</td>
<td>107</td>
<td>Z014-0670</td>
</tr>
<tr>
<td>Check Valve</td>
<td>110</td>
<td>1242-809-2000</td>
</tr>
<tr>
<td>Gasket</td>
<td>111</td>
<td>1202-823-2000</td>
</tr>
<tr>
<td>Cover</td>
<td>113</td>
<td>1230-827-2000</td>
</tr>
<tr>
<td>Diaphragm</td>
<td>114</td>
<td>1201-813-2100</td>
</tr>
<tr>
<td>Screw</td>
<td>115</td>
<td>93500-04008-1H</td>
</tr>
<tr>
<td>Coil Spring</td>
<td>116 A</td>
<td>1290-969-2000</td>
</tr>
<tr>
<td>Coil Spring</td>
<td>116 B</td>
<td>1290-947-2000</td>
</tr>
<tr>
<td>Screw</td>
<td>117</td>
<td>4114-001-1200</td>
</tr>
<tr>
<td>Arm Pin</td>
<td>118</td>
<td>16152-KG8-9010M1</td>
</tr>
<tr>
<td>Float Arm</td>
<td>119</td>
<td><strong>DISCONTINUED</strong></td>
</tr>
<tr>
<td>Needle Valve</td>
<td>120</td>
<td>1062-819-2000</td>
</tr>
<tr>
<td>Gasket</td>
<td>121</td>
<td>1202-822-2000</td>
</tr>
<tr>
<td>U-Ring</td>
<td>123</td>
<td>0903-809-6000</td>
</tr>
<tr>
<td>Lever Pin</td>
<td>125</td>
<td><strong>DISCONTINUED</strong></td>
</tr>
<tr>
<td>O-Ring</td>
<td>126</td>
<td>0901-055-6000</td>
</tr>
<tr>
<td>Screen</td>
<td>130</td>
<td>2009-811-2100</td>
</tr>
<tr>
<td>Diaphragm</td>
<td>134</td>
<td>1201-825-2000</td>
</tr>
<tr>
<td>O-Ring</td>
<td>137</td>
<td>0901-841-6000</td>
</tr>
<tr>
<td>Gasket</td>
<td>139</td>
<td>1202-851-2000</td>
</tr>
</tbody>
</table>

POP-OFF PRESSURE CHART

<table>
<thead>
<tr>
<th>Model CDK II</th>
<th>Spring Force</th>
<th>Spring Length</th>
<th>Part Number</th>
<th>Needle Size</th>
<th>Valve Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>70 gram std</td>
<td>11mm</td>
<td>116B</td>
<td>1.8</td>
<td>2.0</td>
</tr>
<tr>
<td>42mm</td>
<td>40 gram</td>
<td>9.17mm</td>
<td>116A</td>
<td>15psi</td>
<td>11psi</td>
</tr>
<tr>
<td>40mm mid range &amp; 42mm Acc.</td>
<td>70 gram std</td>
<td>8.7mm</td>
<td>116D</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>40 gram</td>
<td>7.4mm</td>
<td>116C</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>
**SINGLE INTAKE MANIFOLDS FOR KAWASAKI & YAMAHA**

**FITS MIKUNI 44/46MM**

- **Kawasaki**
  - Part No.
  - 750 All
  - **53-0827**

- **Yamaha**
  - Part No.
  - 701/760 (62T/64X)
  - **RY126M**

---

**DUAL INTAKE MANIFOLDS FOR SEA DOO**

**FITS MIKUNI 44/46MM**

- **Sea Doo**
  - Part No.
  - 580/650/720
  - **53-0923**

- **Sea Doo**
  - Part No.
  - XP800 Direct Flow
  - **223-80001**

- **SEA DOO**
  - Part No.
  - 951
  - **223-95000**

  Must use with part number 273-95000
  R&D Stuffers

---

**DUAL / TRIPLE INTAKE MANIFOLDS FOR KAWASAKI**

**FITS MIKUNI 44/46MM**

- **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**

---

**BOYESEN EXTREME VELOCITY INTAKE KIT & RAD VALVES**

- **Kawasaki**
  - Part No.
  - Ultra 150/STX-R Kit
  - **231-15000**

  "*Use with M-16 reed only*"
DUAL / TRIPLE INTAKE MANIFOLDS FOR YAMAHA

FITS MIKUNI 44/46MM

BOYESEN EXTREME VELOCITY INTAKE KIT & RAD VALVES

Yamaha
701 Superjet 96-08, Extreme Velocity Intake Kit IMK-001
Extreme Velocity Intake Manifold Only IM-001
“EV” RAD Valves Kit (2 Valves per Kit) RAD-131A
Replacement RAD Reed for RAD-131A PSR-131A
Replacement Gasket for RAD-131A 2830
Intake Manifold/Reed Gasket Only IMG-001

Yamaha
701(62T) W/Rdr/760 With Billet Carb. Plate Plate 222-76000
for OEM Reed (Center to Center 120 mm)

*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 Crankcase Application Chart

<table>
<thead>
<tr>
<th>Yamaha</th>
<th>Part No.</th>
<th>Yamaha</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>6M6 650LX, VXR, Wave Runner III, Super Jet 90-93</td>
<td>IMK-001</td>
<td>63M Raider 1100, Venture 1100</td>
<td>222-76000</td>
</tr>
<tr>
<td>62T Super Jet 96-01, Blaster II</td>
<td>RAD-131A</td>
<td>65U GP1200, XL1200, SUV1200</td>
<td>232-11000</td>
</tr>
</tbody>
</table>

Yamaha Part No.
Y701 (62T), Wave Raider/760 13-2109

Yamaha
1100/1200 (63M/65U) 232-11000

Yamaha
GP800 with stuffers 222-80000

Yamaha Part No.
Y701 (62T), Wave Raider/760 13-2109

Yamaha
1100/1200 (63M/65U) 232-11000

Yamaha
GP800 with stuffers 222-80000

For Intake Gaskets

For Drive Line Electrical Waterline & Controls

Body Accessories Service Tools Hardware

Chemical

81
HOT PRODUCTS YAMAHA AND KAWASAKI DUAL MIKUNI CARBURETOR KITS

<table>
<thead>
<tr>
<th>Yamaha</th>
<th>Carb</th>
<th>Flame Arrestor</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>701 W/Rdr / 760 (62T)</td>
<td>Mikuni 44mm</td>
<td>K&amp;N</td>
<td>53-0975</td>
</tr>
<tr>
<td>701 W/Rdr / 760 (62T)</td>
<td>Mikuni 46mm</td>
<td>K&amp;N</td>
<td>53-0974</td>
</tr>
<tr>
<td>1100/1200</td>
<td>Mikuni 44mm</td>
<td>K&amp;N</td>
<td>53-0980</td>
</tr>
<tr>
<td>1100/1200</td>
<td>Mikuni 46mm</td>
<td>K&amp;N</td>
<td>53-0992</td>
</tr>
</tbody>
</table>

All carburetor kits are assembled with the above listed K&N Filters or Tau Ceti Pro Series II Flame Arrestors, the filter size and shape is the best fit based on the watercraft model.

* See page 64 for crankcase application chart

HOT PRODUCTS KAWASAKI SINGLE MIKUNI CARBURETOR KITS

<table>
<thead>
<tr>
<th>Kawasaki</th>
<th>Carb</th>
<th>Flame Arrestor</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>750 All</td>
<td>Mikuni 44mm</td>
<td>K&amp;N</td>
<td>53-0820</td>
</tr>
<tr>
<td>750 All</td>
<td>Mikuni 46mm</td>
<td>K&amp;N</td>
<td>53-0825</td>
</tr>
</tbody>
</table>

All carburetor kits are assembled with the above listed K&N Filters or Tau Ceti Pro Series II Flame Arrestors, the filter size and shape is the best fit based on the watercraft model.
### RIVA RACING REED VALVE SPACER BOOSTERS

Yamaha
- 701/760 (62T/64X) Case: RY124M-S
- 701/760: 53-5235-GSK
- 1100/1200 (63M/65U) Case: RY128M-S
- 1100/1200: 53-5236-GSK

### R&D REED VALVE SPACERS

Yamaha
- 701/760 (62T/64X): Part No. 262-70101

### R&D REED VALVE SPACERS

Kawasaki
- 750/800 Spacer: Part No. 251-75010
- 750/800 Spacer Angled: Part No. 251-80000
- Reed Gasket: 7050
- 6x50mm Stainless Steel Studs: 62-3050 (Sold Each)

### BILLET ALUMINUM OIL INJECTION BLOCK OFF KITS

RIVA RACING

Yamaha
- 701/760 (62T/64X): 262-70101
- 701/760; 53-5235-GSK
- 1100/1200 (63M/65U): RY128M-S
- 1100/1200: 53-5236-GSK

Sea Doo
- 580/650/720 All: 50-9504

Sea Doo
- 800/951: 50-9506

Kawasaki
- 750/800: 251-75010
- 750/800: 251-80000
- Reed Gasket: 7050
- 6x50mm Stainless Steel Studs: 62-3050 (Sold Each)

**CASE BLOCK OFF**

Kawasaki
- 650/750: 50-9505

**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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
<th>Yamaha 650/701/760</th>
<th>Kawasaki 650/750</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small 1/8&quot; - Oil Primer Nipple</td>
<td>50-9500</td>
<td></td>
<td>50-9500</td>
</tr>
<tr>
<td>Large 3/8&quot; - Carb/Fuel Nipple</td>
<td>50-9504</td>
<td></td>
<td>50-9501</td>
</tr>
</tbody>
</table>

*Kawasaki 650/750: 50-9503

---

**NOTES**: *Hardware not included.*
**Blowsion Fuel Filler**

For Yamaha Superjet ET and Polaris Octane

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Billet Dual Pick Up</td>
<td>01-02-506</td>
</tr>
<tr>
<td>Billet Single Pick Up</td>
<td>01-02-501</td>
</tr>
</tbody>
</table>

**Fuel Pickup for ZXI/STX-R**

2010 Kings Cup • Thailand
MCAC Racing 1100 SXR Race Ski

**One Way Check Valve**

One way vent valve allows fuel to travel in one direction only. 1/4" Fuel Line.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kawasaki ZXI/STX-R</td>
<td>53-9957</td>
</tr>
</tbody>
</table>

**Fuel Tank Filter**

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Universal Fuel</td>
<td>53-9946</td>
</tr>
<tr>
<td>Tank Filter (Replaces Sea Doo #275-500-005)</td>
<td>006-516</td>
</tr>
<tr>
<td>B. Universal Fuel</td>
<td></td>
</tr>
<tr>
<td>Tank Filter (Replaces Yamaha #8H5-224560-00)</td>
<td></td>
</tr>
<tr>
<td>C. Sea Doo Fuel Filter</td>
<td>006-510</td>
</tr>
<tr>
<td>Tank Filter (Replaces Sea Doo #275-500-089)</td>
<td></td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>R&amp;D Ultra 250X/LX Deep Fuel Pick Up</td>
<td>801-25100</td>
</tr>
</tbody>
</table>
RIVA HIGH VOLUME FILTER
3/8" Fuel Line.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8&quot; Riva High Volume Filter</td>
<td>RY0503</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stainless Steel filter</td>
<td>53-9943</td>
</tr>
<tr>
<td>Retail sales display card with 20 filters</td>
<td>53-9943D</td>
</tr>
</tbody>
</table>

2" SLIMLINE WITH BRONZE ELEMENT
Clear nylon housing and bronze 75 Micron Element. 2" length, 1/4" Fuel Line.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot; Slimline with bronze</td>
<td>53-9952</td>
</tr>
<tr>
<td>Retail sales display card with 20 filters</td>
<td>53-9952D</td>
</tr>
</tbody>
</table>

3" SLIMLINE WITH POLYESTER ELEMENT
Lightweight high flow 90 Micron Polyester Element. 3" length, 1/4" Fuel Line.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3&quot; Slimline with polyester</td>
<td>53-9953</td>
</tr>
<tr>
<td>Retail sales display card with 20 filters</td>
<td>53-9953D</td>
</tr>
</tbody>
</table>

FREEZE-REPLACEMENT FUEL FILTERS

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>OE Replacement filter (all except 66V/E)</td>
<td>RY-0501</td>
</tr>
<tr>
<td>OE Replacement filter 66V/E</td>
<td>RY-0502</td>
</tr>
</tbody>
</table>

2010 WORLD FINALS • LAKE HAVASU, AZ
PHOTO COURTESY OF JIN OMURA

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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quick Disconnect Restrictor 1/4&quot;</td>
<td>QD-14</td>
</tr>
</tbody>
</table>

FUEL RETURN LINE RESTRICTOR 1/4” LINE
Designed to improve throttle response and reduce lean conditions in power band, our new 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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel Return Line Restrictor</td>
<td>RY12-RLR-14</td>
</tr>
</tbody>
</table>

Recommended Main Jets:
- Stock Carbs for 1200 (66V) 105
- Novi Carbs for 1200 (66V) 100-120
- Novi Carbs for 701 (61X) 100-120
HOT PRODUCTS PRIMER KITS

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

<table>
<thead>
<tr>
<th>Primer Kit</th>
<th>Item Description</th>
<th>Plunger Primer</th>
<th>Plunger Line</th>
<th>1/4 x 1/4 x 1/8 T</th>
<th>Mikuni Fittings</th>
<th>Keihin Fittings</th>
<th>Zip Ties</th>
<th>See Pg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>53-9920</td>
<td>Mikuni Single</td>
<td>1</td>
<td>9FT</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>53-9928</td>
<td>Mikuni Dual</td>
<td>1</td>
<td>9FT</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>53-9922</td>
<td>Mikuni Triple</td>
<td>1</td>
<td>9FT</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>53-9925</td>
<td>Keihin Single</td>
<td>1</td>
<td>9FT</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>53-9929</td>
<td>Keihin Dual</td>
<td>1</td>
<td>9FT</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td>53-9924</td>
<td>Keihin Triple</td>
<td>1</td>
<td>9FT</td>
<td>1</td>
<td>2</td>
<td>0</td>
<td>3</td>
<td>6</td>
</tr>
</tbody>
</table>

HOT PRODUCTS PRIMER KIT REPAIR PARTS

<table>
<thead>
<tr>
<th>Primer Kit Parts Only</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plunger Primer Only</td>
<td>53-9910A</td>
</tr>
<tr>
<td>Button Primer Only</td>
<td>53-9915</td>
</tr>
<tr>
<td>G. Mikuni Brass Spigot &amp; Plug Kit</td>
<td>53-9921</td>
</tr>
<tr>
<td>H. Keihin Brass Spigot &amp; Plug Kit</td>
<td>53-9926</td>
</tr>
<tr>
<td>I. Brass T for Dual 1/8 x 1/8 x 1/8</td>
<td>64-0015</td>
</tr>
<tr>
<td>J. Brass T for Primer 1/4 x 1/4 x 1/8</td>
<td>64-0017</td>
</tr>
<tr>
<td>Primer Line 1/8 (Sold per foot)</td>
<td>53-9980</td>
</tr>
</tbody>
</table>

PRIMER ADD ON KITS

Mikuni and Keihin primer add on kits for use with dual and triple carb kits. One add on kit needed for duals, two needed for triples. Kit includes spigot and cap, T-fitting, 6" of 1/8" blue primer hose and zip ties.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mikuni Primer Add On</td>
<td>53-9923</td>
</tr>
<tr>
<td>Keihin Primer Add On</td>
<td>53-9927</td>
</tr>
</tbody>
</table>

1/4" HOSE BRASS FITTINGS

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Straight: 1/8&quot; Thread 1/4&quot; Hose</td>
<td>64-0001</td>
</tr>
<tr>
<td>B. 90 Deg: 1/8&quot; Thread 1/4&quot; Hose</td>
<td>64-0010</td>
</tr>
<tr>
<td>C. 45 Deg: 1/8&quot; Thread 1/4&quot; Hose</td>
<td>64-0065</td>
</tr>
<tr>
<td>D. Barb Connector 1/4&quot; I.D.-1/4&quot; I.D.</td>
<td>64-0057</td>
</tr>
</tbody>
</table>

PRESS IN NIPPLE

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8&quot; Straight</td>
<td>53-9936</td>
</tr>
<tr>
<td>1/4&quot; Straight</td>
<td>53-9937</td>
</tr>
</tbody>
</table>

PLASTIC "Y" FITTINGS

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot; X 1/4&quot; X 1/4&quot; (White)</td>
<td>64-0046</td>
</tr>
<tr>
<td>1/4&quot; X 1/4&quot; X 1/4&quot; (Black)</td>
<td>64-0047</td>
</tr>
</tbody>
</table>

*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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel (1/4&quot;) per foot</td>
<td>53-9970</td>
</tr>
<tr>
<td>Fuel (1/4&quot;) - 25 foot package</td>
<td>53-9970-25</td>
</tr>
<tr>
<td>Primer Line (1/8&quot;) per foot</td>
<td>53-9980</td>
</tr>
<tr>
<td>Primer Line (1/8&quot;) per foot - 25 foot package</td>
<td>53-9980-25</td>
</tr>
</tbody>
</table>

**FUEL LINE Q/D W/SHUT-OFF VALVE**

for 1/4" fuel line

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel Line Q/D w/Shut-off Valve</td>
<td>53-9951</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hose Pinchers</td>
<td>LS23000</td>
</tr>
</tbody>
</table>

**Hose Pinchers**

Quick, easy way to pinch off fuel lines, etc, without damaging the fuel line. Sold two per set.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hose Pinchers</td>
<td>LS22850</td>
</tr>
</tbody>
</table>

**HOSE SHEARS**

Simply Scissor-action cutter for hose. Cuts clean, straight and no damaged hose ends. A must have tool for every toolbox.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hose Shears</td>
<td>59-4020</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hose Removal Pliers</td>
<td>LS47900</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Clamp Size</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pincer Tool</td>
<td>1</td>
<td>59-4015</td>
</tr>
<tr>
<td>Clamp for 1/4&quot; Hose (10 pcs/pk)</td>
<td>9/16</td>
<td>59-4016</td>
</tr>
<tr>
<td>Clamp for 3/8&quot; Water Line (10 pcs/pk)</td>
<td>11/16</td>
<td>59-4017</td>
</tr>
<tr>
<td>Clamp for 1/2&quot; Water Line (10 pcs/pk)</td>
<td>13/16</td>
<td>59-4018</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Description</th>
<th>Clamp Size</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 Clamp Packs (100 pcs/pk)</td>
<td>9/16</td>
<td>59-4016-100</td>
</tr>
<tr>
<td>100 Clamp Packs (100 pcs/pk)</td>
<td>11/16</td>
<td>59-4017-100</td>
</tr>
<tr>
<td>100 Clamp Packs (100 pcs/pk)</td>
<td>13/16</td>
<td>59-4018-100</td>
</tr>
</tbody>
</table>
### Yamaha

<table>
<thead>
<tr>
<th>CC</th>
<th>Model</th>
<th>Performance Info</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>650</td>
<td>All 650 models</td>
<td>Smoother powerband</td>
<td>223LT</td>
</tr>
<tr>
<td></td>
<td>61X</td>
<td>Stock cylinder, single carb.</td>
<td>225LT or</td>
</tr>
<tr>
<td></td>
<td>CASE</td>
<td>Ported motors, single carb.</td>
<td>225M</td>
</tr>
<tr>
<td></td>
<td>Waverunner III</td>
<td>Ported motors, dual carbs</td>
<td>225SS</td>
</tr>
<tr>
<td>701</td>
<td>Waveblaster</td>
<td>202LT +3HP in midrange: for limited and stock motors</td>
<td>202LT</td>
</tr>
<tr>
<td>62T</td>
<td>Superjet</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CASE</td>
<td>Wave Venture</td>
<td></td>
</tr>
</tbody>
</table>

### Kawasaki

<table>
<thead>
<tr>
<th>CC</th>
<th>Model</th>
<th>Performance Info</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>550</td>
<td>ALL</td>
<td>Smoother powerband</td>
<td>233LT</td>
</tr>
<tr>
<td>650</td>
<td>ALL</td>
<td>Improved low to midrange</td>
<td>212LT</td>
</tr>
<tr>
<td>743</td>
<td>ALL</td>
<td>Better low &amp; mid: stock &amp; limiteds</td>
<td>238LT</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Superstock &amp; ported motors</td>
<td>238SS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>High RPM, stroked or fuel injected</td>
<td>238HT</td>
</tr>
<tr>
<td>782</td>
<td>800 Motor</td>
<td>Better low &amp; mid: stock &amp; limiteds</td>
<td>238LT</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Superstock &amp; ported motors</td>
<td>238SS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>High RPM, stroked or fuel injected</td>
<td>238HT</td>
</tr>
<tr>
<td>891</td>
<td>ALL 900 MOTORS</td>
<td>Better midrange and bottom end</td>
<td>338LT</td>
</tr>
<tr>
<td>1071</td>
<td>ALL 1100 MOTORS</td>
<td>Better low &amp; mid: stock &amp; limiteds</td>
<td>338LT</td>
</tr>
<tr>
<td>1176</td>
<td>Ultra 150, 1200STXR</td>
<td>High RPM, stroked or fuel injected</td>
<td>338HT</td>
</tr>
</tbody>
</table>

### Sea Doo

<table>
<thead>
<tr>
<th>CC</th>
<th>Model</th>
<th>Performance Info</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>951</td>
<td>All 951 models</td>
<td>Better mid &amp; top end for stock, limited and stock motors:</td>
<td>206SS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>+4hp midrange, +2 top 206LT Highly modified motors for to end only</td>
<td>206HT</td>
</tr>
</tbody>
</table>
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 Raider (All) — 023
700 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 (96-99) — 026
Wave Blaster (96) — 026
Wave Raider (94-96) — 026
Wave Raider DLX (97-99) — 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) — 029
GP1200R (00-02), XL/XLT 1200 (99-05) — 033
RSK-306
GP1300R (03-08) — 033

Kawasaki Part No.
550SX (91-95) — 014
850SX/X2/2C/SS/ST/TS (All) — 012
750SX/SX/SXI-Pro (All) — 013
750SS/STS/SXZ (All) — 013
800 SX-R (03-09) — 013
900ZXI (-97), STX (97-01), STS (01) — 020
1100 All (96-03) — 021
Ultra 130 (01-04) — 036
STX-R 1200 (02-05), Ultra 150 (99-05) — 021

Polaris Part No.
550 All (92-95) — 016
SL750 (93-95), SLT750 (94-95) — 016
SL780 (96-97), SLT780 (96-97) — 016
SL780 (96-97), SLX780 (96) — 016
SLXL780 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 Unlimited 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 (96-08) — PRO-36
Wave Blaster (93-95) — PRO-36
Wave Blaster (96) — PRO-36
Wave Raider (94-96) — PRO-36
Wave Raider, Single Carb (96) — PRO-35
Wave Raider DLX (95-96) — PRO-36
Wave Runner III (94-97) — PRO-32
Wave Runner XL (99-04) — PRO-37
Wave Venture (95-98) — PRO-36
GP760 (97-00) — PRO-38
760 Waves All (96-99) — PRO-38
1100 All (95-97) — PRO-40
GP1200 (97-99), GP1200R (99) — PRO-77
SUIV1200 (99-04), XL1200 (98) — PRO-77

Kawasaki Stock Unlimited Hi-Performance
750 All — PRO-24
800 SX-R (03-08) — PRO-24
900 All (-96) — PRO-76
1100 All (96-03) — PRO-57
Ultra 150/STX-R1200 (99-05) — PRO-57

Polaris Stock Unlimited Hi-Performance
700 All (thru 04) — PRO-26
Octane (02-04) — PRO-26
750 All (93-95) — PRO-29
780 All (98-97) — PRO-31
785 SLX Pro (97-01) — PRO-31

BOYESEN REED VALVE STUFFER KIT

Kit includes a complete engine set of Broyles 3D Reed Valve Stuffers and Boyesen PRO Series reeds.

Yamaha Part No.
GP1200R (00-02), XL/XLT 1200 (99-05), — RSK-306
GP1300R (03-08) — GP1300R (03-08)
Replacement Reed *Must use with Boyesen Stuffer — PRO-128
MOTO TASSINARI V-FORCE3
THE FEATURES AND BENEFITS OF V-FORCE 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 pedal has been greatly reduced, increasing pedal 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 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.

SYMMENTRICAL 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.

<table>
<thead>
<tr>
<th>Yamaha</th>
<th>V-Force 3</th>
<th>Repl. V-Force 3 Pedal***</th>
<th>Repl. V-Force 3 Gasket**</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Triples</td>
<td>V3140-794-3</td>
<td>3P794A***</td>
<td>G3140**</td>
</tr>
<tr>
<td>All Twins</td>
<td>V3140-794-2</td>
<td>3P794A***</td>
<td>G3140**</td>
</tr>
<tr>
<td>*Not compatible for older WaveBlasters and GPR (Power valve cylinders) applications</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Kawasaki</td>
<td>V-Force 3</td>
<td>Repl. V-Force 3 Pedal***</td>
<td>Repl. V-Force 3 Gasket**</td>
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<tr>
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</tr>
<tr>
<td>All Triples</td>
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<td>G3150**</td>
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<tr>
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<td>3P794A***</td>
<td>G3150**</td>
</tr>
<tr>
<td>Polaris</td>
<td>V-Force 3</td>
<td>Repl. V-Force 3 Pedal***</td>
<td>Repl. V-Force 3 Gasket**</td>
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<tr>
<td>Octane 777</td>
<td>V3130-794A-2</td>
<td>3P794A***</td>
<td>—</td>
</tr>
<tr>
<td>**Gaskets are sold per gasket.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>***Replacement Pedal kits are sold per Reed Valve (to rebuild one reed valve per kit)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Must use with part #53-0939 R&D Intake Manifold **Gaskets are sold per gasket. ****Except older Blast Pro Blasters ***Replacement Pedal kits are sold per Reed Valve (to rebuild one reed valve per kit)
ROTOR VALVE PARTS

SEA DOO ROTARY VALVE SHAFT AND PARTS

Descriptions | OEM# | Part No.
--- | --- | ---
A. Rotary Valve Shaft 580/650/720 | 293-837-251 | 010-455
B. Rotary Valve Shaft 800 | 290-837-351 | 010-457
C. Rotary Valve Shaft Gear only (14 teeth) 580/650/720/800 (89-up) | 420-935-735 | 010-450
D. Rotary Cover O-Ring 580/650/720 | 293-300-023 | 6250
E. Rotary Cover O-Ring 800 | 290-831-765 | 6628
F. Rotary Shaft O-Ring 580/650/720/800 | 293-300-024 | 6260
G. Rotary Shaft Oil Seal 580/650/720/800 | 290-930-580 | 009-779
H. Rotary Shaft Bearing 580/650/720/800 | 290-932-032 | 010-225
| 290-932-797 | 010-226

Descriptions | OEM# | Part No.
--- | --- | ---
I. Rotary Shaft Spring 580/650/720/800 | 290-938-810 | 010-453
J. Rotary Shaft Snap Ring - Large 580/650/720/800 | 290-845-260 | 010-483
K. Rotary Shaft Snap Ring - Small 580/650/720/800 | 290-932-032 | 010-482
L. Rotary Shaft C-Clips 580/650/720/800 | 290-845-160 | 010-454
M. Rotary Spring Holder 580/650/720/800 | 420-827-430 | 010-484-01
N. Rotary Bearing Washer 580/650/720/800 | 420-227-439 | 010-459
O. Rotary Shaft Barrel 580/650/720/800 | 290-847-282 | 010-484

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

ROTARY VALVE TIMING WHEEL

Sea Doo | Part No.
--- | ---
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

Sea Doo | Part No.
--- | ---
Rotary Shaft Puller | B-204
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.

RACING FLAME ARRESTORS (without Cotton Media)

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.

K&N RUBBER BASE CHROME TOP CRANKCASE VENT FILTERS

Designed to clamp directly to metal or plastic tubing. Ideal for engines, transmissions, oil or gas tanks on racing vehicles.
 Tau Ceti’s new Pro Series II Flame Arrestors are constructed from top quality materials such as aircraft grade aluminum, stainless steel, and a superior quality rubber base. This Flame Arrestor is designed with both duration and superior performance in mind. Using an extremely light anodized aluminum top in Silver, Black, Blue, Green and Red and a stainless steel mesh, this product is 100% corrosion resistant. With our free flowing, stainless steel mesh, we achieved an increase in acceleration and a much better throttle response. The universal rubber mount will fit any personal watercraft with a stock carburetor using the appropriate adapter (for adapters see pages 82 & 83). No re-jetting is necessary on stock boats.

### HOT PRODUCTS RACING POWER FILTERS

**by Tau Ceti**

<table>
<thead>
<tr>
<th>Description</th>
<th>Color</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Round Filter 2”</td>
<td>Silver</td>
<td>53-4272-SIL</td>
</tr>
<tr>
<td>Round Filter 2”</td>
<td>Black</td>
<td>53-4272-BLK</td>
</tr>
<tr>
<td>Round Filter 2”</td>
<td>Blue</td>
<td>53-4272-BLU</td>
</tr>
<tr>
<td>Round Filter 2”</td>
<td>Green</td>
<td>53-4272-GRN</td>
</tr>
<tr>
<td>Round Filter 2”</td>
<td>Red</td>
<td>53-4272-RED</td>
</tr>
<tr>
<td>Water Repellent Pre-Filter</td>
<td>Black</td>
<td>WR125-2DT</td>
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</table>

<table>
<thead>
<tr>
<th>Description</th>
<th>Color</th>
<th>Part No.</th>
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<tbody>
<tr>
<td>Round Filter 1.5”</td>
<td>Silver</td>
<td>53-4270-SIL</td>
</tr>
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<td>Round Filter 1.5”</td>
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<td>53-4270-BLK</td>
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<tr>
<td>Round Filter 1.5”</td>
<td>Blue</td>
<td>53-4270-BLU</td>
</tr>
<tr>
<td>Round Filter 1.5”</td>
<td>Green</td>
<td>53-4270-GRN</td>
</tr>
<tr>
<td>Round Filter 1.5”</td>
<td>Red</td>
<td>53-4270-RED</td>
</tr>
<tr>
<td>Water Repellent Pre-Filter</td>
<td>Black</td>
<td>WR125-15DT</td>
</tr>
</tbody>
</table>

Please see pages 96 & 97 for our complete line of air filter adapters required for most applications.

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 new filter is a cone design and is .500” taller than the current 2” Tau Ceti Pro Series Filter allowing for use many engine applications. 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 82 & 83). No re-jetting is necessary on stock boats. The filter tops are currently available in silver and black. Each filter includes a filter clamp for installation.

<table>
<thead>
<tr>
<th>Description</th>
<th>Color</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hot Products Tornado Series Filter</td>
<td>Silver</td>
<td>53-4274-SIL</td>
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<tr>
<td>Hot Products Tornado Series Filter</td>
<td>Black</td>
<td>53-4274-BLK</td>
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<tr>
<td>Water Repellent Pre-Filter</td>
<td></td>
<td>PFTCP-25</td>
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### APPLICATIONS FOR K&N FILTERS & ADAPTERS

#### CHEMICAL
- Steering
- Exhaust
- Drive Line
- Four Stroke

#### GASKETS
- Applications for K&N Filters & Adapters
  - JS300 86-91
  - Kawasaki
    - Super Jet 701 94-95
    - W/Venture 701 95-98
    - W/Jammer 500 88-96
    - 800XP 95-97
    - 800GTX 96-97
    - 720ST 94-95
    - 720STS 95-97
    - 720GXI 95-98
    - 900GTX 96-97
    - 1100ZXIXI 96-97
    - 1100GTSX 97-99
    - ULTRA 150 99-00
  - Yamaha
    - W/Jammer 500 88-89
    - W/Runners 500 88-89
    - W/Runners 650 90-95
    - W/Runners Ill 650 90-95
    - VXR 650 91-95
    - Super Jet 650 90-93
    - W/RAider 701 94-95
    - W/RAider 701/96-98
    - W/RAider 701 95-98
    - W/RAider 701 96-97
    - W/RAider 701 93-95
    - Super Jet 701 94-95
    - Super Jet 701 96-99
    - PXT 710 92-95
    - XL700 95-00
    - XL700S 97-00
    - GPX 90-99
    - W/RAider II 760 96-97
    - W/RAider II 760 96-98
    - W/Venture 760 96-98
    - GP800 98-00
    - GP800 98-99
    - XL1200 96
    - GP1200 97-99
    - GP1200R 00
  - Kawasaki
    - JS300 86-91
    - JS400 74-76
    - JSS400 77-90
    - JS440 91-92
    - JS550 82-85
    - JS550 86-90
    - JS550 91-95
    - JS550 96-97
    - JS550 98-00
  - Polaris
    - SL650 92-95
    - HURRICANE700 96-97
    - SL770 97-00
    - SL770 96
    - SL760 96
    - SLX1050 96-00
    - Genesis 99-00
    - 1200 PRO 00
    - Vortex 90
  - Tiger Shark
    - Daytona650 92-93
    - Daytona650 95
    - Daytona650 97
    - MonteCarlo650 94-95
    - MonteCarlo650 96
    - MonteCarlo650 97
    - MonteCarlo650 98
    - MonteCarlo650 99
    - Daytona770 96-97
    - MonteCarlo770 96-97
    - MonteCarlo900 95
    - MonteCarlo900 96
    - MonteCarlo1000 97-98
    - Yamaha
    - TSL 92-93
    - TSL 93-94
    - TSL 94-95
    - TSL 95-96
    - TSL 96-97
    - TSL 97-98
    - TSL 98-99
    - TSL 99-00
    - TSL 1000 98
    - TSL 1000 99
    - TSL 1000 00
  - K&N Filter
    - JS550SX 91-95
    - 650ZX 92-94
    - JS550SX 92-94
    - 650TX 94-96
    - 650SC 90-95
    - JS550SX 92-95
    - 750SX 92-95
    - 750Z 92-95
    - 750ZXE 95
    - 750ZXI 96-97
    - 750ZXI PRO 98-00
    - 750SS 92-98
    - 750Xi 93-97
    - 750Xi 96-97
    - 750ST 94-95
    - 750STS 95-97
    - 750ZXI 95-98
    - 800SX-R 03-09
    - 900ZXI 95-97
    - 900ZXI 96-98
    - 900STX 97-99
    - 1100ZXI 96-97
    - 1100ZXIXI 97-99
    - ULTRA 150 99-00
  - Polaris
    - SL650 92-95
    - SL770 97-00
    - SL770 96
    - SLX1050 96-00
    - SLX1050 96-98
    - Genesis 99-00
    - 1200 PRO 00
    - Vortex 90
  - Tiger Shark
    - Daytona650 92-93
    - Daytona650 95
    - Daytona650 97
    - MonteCarlo650 94-95
    - MonteCarlo650 96
    - MonteCarlo650 97
    - MonteCarlo650 98
    - MonteCarlo650 99
    - Daytona770 96-97
    - MonteCarlo770 96-97
    - MonteCarlo900 95
    - MonteCarlo900 96
    - MonteCarlo1000 97-98
    - Yamaha
    - TSL 92-93
    - TSL 93-94
    - TSL 94-95
    - TSL 95-96
    - TSL 96-97
    - TSL 97-98
    - TSL 98-99
    - TSL 99-00
    - TSL 1000 98
    - TSL 1000 99
    - TSL 1000 00
  - K&N Filter
    - JS550SX 91-95
    - 650ZX 92-94
    - JS550SX 92-94
    - 650TX 94-96
    - 650SC 90-95
    - JS550SX 92-95
    - 750SX 92-95
    - 750Z 92-95
    - 750ZXE 95
    - 750ZXI 96-97
    - 750ZXI PRO 98-00
    - 750SS 92-98
    - 750Xi 93-97
    - 750Xi 96-97
    - 750ST 94-95
    - 750STS 95-97
    - 750ZXI 95-98
    - 800SX-R 03-09
    - 900ZXI 95-97
    - 900ZXI 96-98
    - 900STX 97-99
    - 1100ZXI 96-97
    - 1100ZXIXI 97-99
    - ULTRA 150 99-00

#### ALUMINUM AIR FILTER ADAPTERS FOR KEIHIN CARBURETORS

**ALL ADAPTERS SOLD INDIVIDUALLY**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Keihin Carburetor</th>
<th>Stock Carb Type &amp; Quantity</th>
<th>Race K&amp;N P#</th>
<th>Regular K&amp;N P#</th>
<th>Adapter P#</th>
</tr>
</thead>
<tbody>
<tr>
<td>53-4440</td>
<td>OEM Carb (44mm Bore)</td>
<td>38/40/42mm (50mm Bore)</td>
<td>Regular K&amp;N P#</td>
<td>Adapter P#</td>
<td>Not Available</td>
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<tr>
<td>53-4450</td>
<td>K750 SXI-95, 750ZXI, K900/1100ZXI</td>
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</table>
ALUMINUM AIR FILTER ADAPTERS
FOR MIKUNI CARBURETORS. SOLD EACH.

Mikuni Part No.
38mm 38mm Bore 53-4460
44mm 46mm Bore 53-4480
46mm 48mm Bore 53-4490

Mikuni Part No.
38mm w/oil injection only 53-4462

Mikuni Part No.
OEM 40mm "I" Series 53-4465
(48mm Bore)
Sea Doo HX/XP, K750 SXI 96-02,
K800SX-R 03-08

ALUMINUM AIR FILTER ADAPTERS
FOR MIKUNI CARBURETORS. SOLD EACH.

Mikuni Part No.
OEM Carb Yamaha 53-4466
GPR Series (57mm Bore)

Mikuni Part No.
OEM Carb Yamaha 53-4466
GPR Series (57mm Bore)

OIL INJECTION SPACER PLATES

Description Part No.
Mikuni 44mm 53-4485
Mikuni 46mm 53-4495
Press in Nipple (1/8") only 53-9936

REPLACEMENT THROTTLE CABLES

Sea Doo

<table>
<thead>
<tr>
<th>OEM#</th>
<th>Part No.</th>
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<tbody>
<tr>
<td>720 XP 95, 800 SPX 97-99, 800 SP 95-96</td>
<td>277-000-468 002-039-03</td>
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Yamaha

<table>
<thead>
<tr>
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<tr>
<td>EUO-U7252-01 58-3501</td>
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<table>
<thead>
<tr>
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<tr>
<td>500WR '87-'93, 650SJ '90-'93, 650 WR/WRIII/LX/WR VXR '90-'96</td>
<td>58-3501</td>
</tr>
<tr>
<td>701 SJ '90-'95, WR701 '96-'97, W/B701 '93-'95, 701 WR II GP '94-'95,</td>
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<tr>
<td>701 WR Pro VXR '93-'94, 701 WR II '97</td>
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<tr>
<td>701 WR DX 95, 701 WV 95-96 GJ1-U7252-00 002-057</td>
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</tr>
<tr>
<td>1100 WR 95-96, 1100 WV 96</td>
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</tr>
</tbody>
</table>

Kawasaki

<table>
<thead>
<tr>
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</tr>
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<tbody>
<tr>
<td>54012-3001 58-3121</td>
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<table>
<thead>
<tr>
<th>OEM#</th>
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<tbody>
<tr>
<td>440 '77-'86, 550 '82-'86</td>
<td>54012-3001 58-3121</td>
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</tbody>
</table>
PERFORMANCE FILTER KITS FOR TWO STROKE MOTORS

Kawasaki
1200STXR Stock Carb/Stock Pipe 200-13143

Kawasaki
800SX-R Stock Carb (I Series Adapters Included) 200-00800
800SX-R Aftermarket Carb 200-00120
120mm center to center (Adapter not included)

Sea Doo
951 All #203-95000

Yamaha
GP1300R Stock Fuel Injection GP1200R/XLL/XLT1200 200-13143 200-00142

Kawasaki
Ultra 150 #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
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
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.

- Kawasaki Part No. R&D 12F/15F Flame Arrestor (Replacement for R&D #215-15010)

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.

- Kawasaki Part No. STX-12F/15F Performance Power Filter RK13085

R&D POWER PLENUM FLAME ARRESTOR
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!

- Yamaha Part No. FX 140/Cruiser 200-00144
  FX HO/Cruiser 200-00143

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.

- Yamaha Part No. FX 140/Cruiser 200-00143
  FX HO/Cruiser 200-00140

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.

- Yamaha Part No. VX110 Power Filter Kit RY13030

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.

- Yamaha Part No. VX110 for Stock Carb Air Box 200-00110

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. Why? Because more air flow means more power and improved performance.

- Yamaha Part No. VX110 Power Filter Kit RY13030

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