



RIVA RACING

PERFORMANCE PRODUCTS & ACCESSORIES

High Volume Fuel Pump PART# - RY12040-340FP-6S5

APPLICATION(S): Yamaha 1.8L SVHO, SHO & HO (NA) Models

This High Volume Fuel Pump is a replacement for the OEM fuel pump. However, its design differs slightly preventing it from being installed as recommended by Aeromotive. While there are prescribed methods published online, they do not adhere to the fuel pump manufacturer's requirements and could lead to poor performance and damage the fuel pump or your craft's fuel pump module.

To complete the installation as recommended, RIVA Racing offers a Fuel Module Upgrade Kit (part# RY12040-FMUK-340FP) and serviceable inline fuel filter (part# RY12040-BFF). For more information please visit www.rivaracing.com.

We strongly recommend the use of a service manual to familiarize yourself with the various components and procedures involved with this installation. Please note that some of the original hoses and hardware removed in the disassembly process will be used in the installation process. These instructions have been written in point form and refer to illustrations. Please follow these step-by-step instructions and illustrations carefully.

***** NO SMOKING. ALLOW ENGINE TO COOL COMPLETELY *****

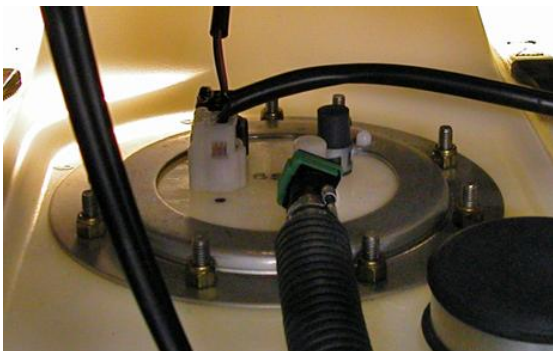
Drain fuel tank completely.

While holding a heavy shop rag under fitting disconnect fuel supply hose from front of engine fuel supply rail.



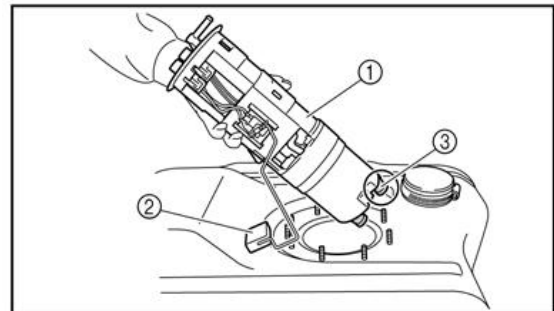
NOTE: Fuel system is under pressure. Use care when disconnecting.

At top of fuel tank disconnect electrical connectors (2) and fuel supply hose.



Remove the nine brass nuts securing fuel pump to fuel tank. Remove stainless retainer ring.

Note front of fuel pump in relation to bow of craft. Fuel pump must be tilted toward its front as you lift upward so as not to damage fuel gauge float.

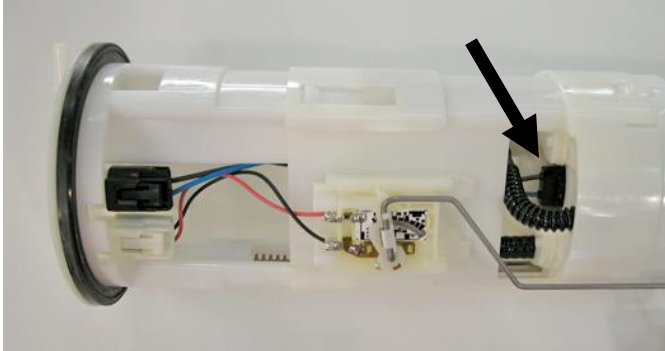


- 1) Fuel Pump
- 2) Fuel Gauge Arm
- 3) Rubber Caps

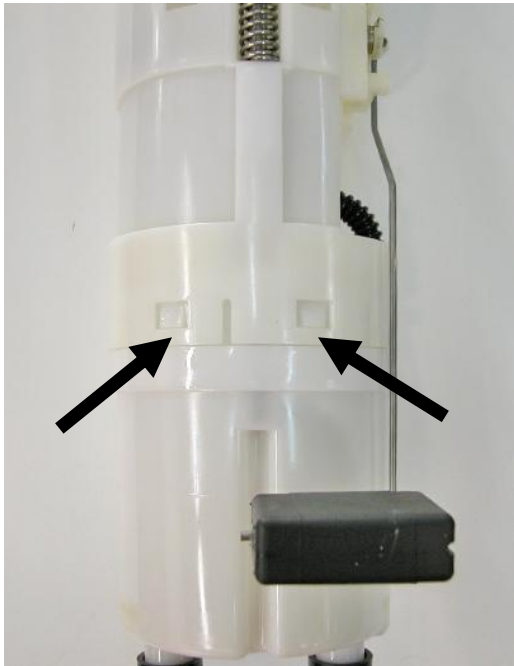
TIP: Twist fuel pump assembly clockwise and tilt towards the right to remove. **BE PATIENT!!!** This process requires careful maneuvering to remove fuel pump assembly.

Drain fuel from fuel pump assembly by tipping upside down. Inspect bottom of fuel pump. There should be three rubber caps (one per post – see above). If any are missing they must be removed from fuel tank and replaced.

Inside center area of fuel pump assembly disconnect electrical connector at top of fuel pump. **TIP:** Use a flat screw driver to depress clip while prying up.



At middle of fuel pump assembly carefully pry open tabs (4 – 2 per side) securing lower section to upper section.

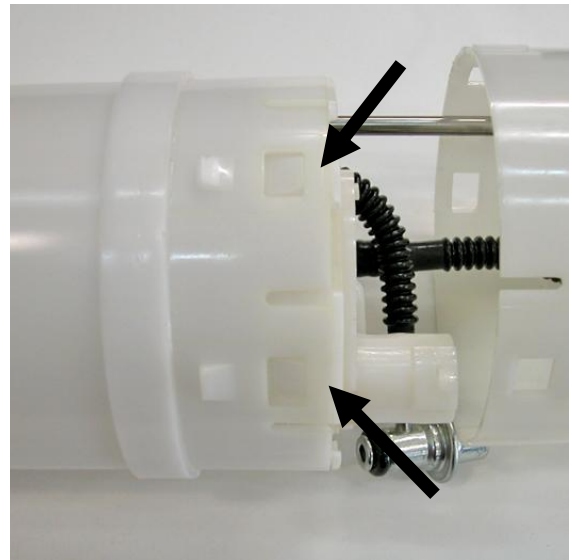


Pull sections apart until compression spring guide rod is free from lower section.



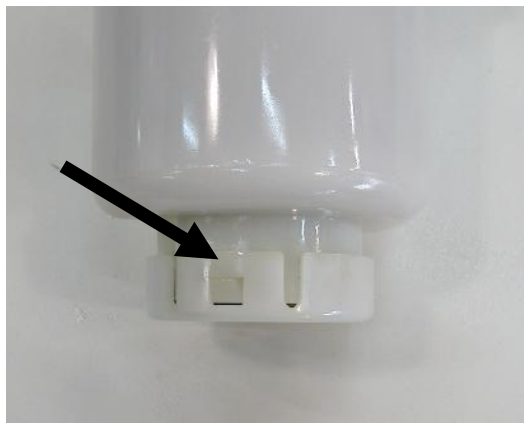
Remove clip securing stock fuel pressure regulator (if in use). Carefully lift up to remove fuel pressure regulator.

At top of lower section of fuel pump assembly carefully pry open tabs (4 – 2 per side) securing outer shell of lower section to inner shell.



Remove outer cover to expose inner shell. Remove filter and set aside.

At bottom of inner shell on lower section remove cap securing fuel pump in place by carefully prying open tabs (3).



Remove stock fuel pump from inner shell by pressing down at top (at electrical connection).

Remove plastic clip and rubber sleeve at supply end.
NOTE: If rubber sleeve is not present on supply end of fuel pump remove from cavity inside inner shell.



Transfer onto supplied High Volume Fuel Pump.



For proper reassembly of the fuel sending unit, please refer to [Fuel Module Upgrade Kit \(part# RY12040-FMUK-340FP\) instructions.](#)

***Remember, the water belongs to everyone.
Please ride responsibly and respect the environment!***

Technical Support

For answers to questions regarding installation or trouble shooting RIVA Performance Products contact: RIVA Technical Support directly at (954) 247-0705 or by e-mail at tech_support@rivamotorsports.com.

Limited Warranty

RIVA High Volume Fuel Pumps carry a 90-day limited warranty to the original purchaser. They are warranted to be free of defects in materials and workmanship under normal use and service. Customer modified components will be void of warranty. This warranty is limited to defects in the primary components only. Finish and/or wear marks in or on primary components are not covered under this warranty.

RIVA Racing's liability is expressly limited to the repair or replacement of the components contained within or associated with this kit. RIVA Racing agrees to repair or at RIVA's option, replace any defective unit without charge, if product is returned to RIVA Racing freight prepaid within the warranty period. Any equipment returned which, in RIVA's opinion, has been subjected to misuse, abuse, overheating or accident shall not be covered by this warranty.

RIVA Racing shall have no liability for special, incidental or consequential damages or injury to persons or property from any cause arising from the sale, installation or use of this product.

No other warranty, express or implied, including, but not limited to the implied warranties of merchantability and fitness for a particular purpose, applies. Various states do not allow for the limitation of incidental or consequential damages and therefore the above exclusion or limitation may not apply to you.

Warranty does not include the expenses related to freight or transportation of parts or compensation for any inconvenience or loss of use while being repaired. A copy of the original invoice and a Return Authorization Number (RA#) must accompany all warranty claims.

Warranted replacement parts will be returned freight collect.