



Fuel Pump Installation Guide

Tools Needed:

- 8mm & 10mm Socket
- 10mm Socket ¼ drive
- 10mm Wrench
- Ratchet
- #2 Phillips Screwdriver
- Power Drill
- ¼" Drill Bit
- 4mm Allen Wrench
- Small adjustable Wrench (8 inch)
- Pliers

Shop Supplies:

- Shop Rags
- Teflon Tape

Additional Recommended Products:

- BRP Fuse Block
- BRP Grounding Block

DO NOT PERFORM INSTALLATION UNLESS IN A WELL VENTILATED AREA!!

Remember that all power tools emit a spark and ignition of gas vapors may occur even in a well ventilated area use caution.



Never use your factory ignition hot circuit to directly power any accessory!

It is very important to use a fuse block or our Ignition Hot Relay for any and all electronic accessories you are looking to install. This is what we use on our BRP Rhinos, and what we recommend for you!

Procedure:

NOTE: Your equipment may look slightly different from the following photos.



Remove the passenger seat and plastic cover behind the passenger seat (shown in pic). This is needed to gain access to the stock fuel pump location.



Locate the stock fuel pump disconnect the hoses and remove pump.



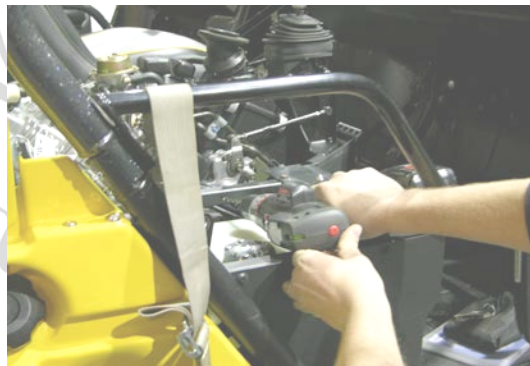
Assemble the new pump in this configuration. You will need to have two runs of Teflon tape on the threads of each piece of the fittings. Do not mount to plate at this time. Be SURE the filter goes on the INLET side of the pump. Note arrow indicating fuel flow direction on the pump.



The new location for the pump plate is on the inside frame next to the fuel tank. Under the passenger seat measure back 3 1/2 inches back from the seat mounting plate. Be sure that the top of the plate is no higher than the frame.



Before moving on, the plate location should look as shown. If it does, mark the upper two holes for drilling.



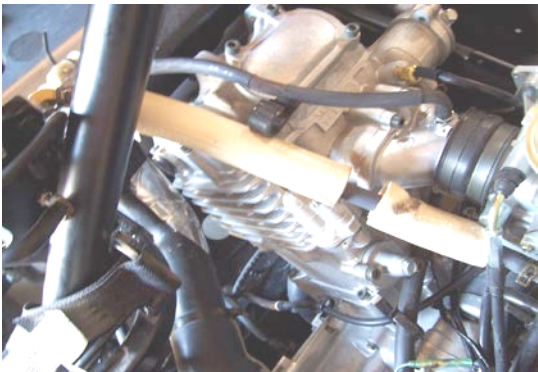
Drill marked holes with a 1/4" drill bit. **NOTE:** The drill will be at an angle when drilling. The hole will be larger than the bolt and this will allow for proper seating of the bolts when mounting.



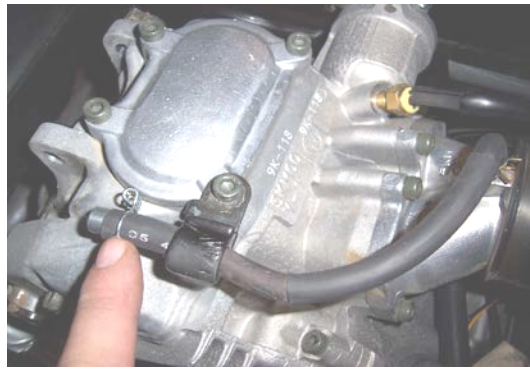
Locate the fuel return line (shown) this will not be needed with the new pump.



Cut the hose in this position shown. Use a bolt to plug off the end of the hose. Be sure to secure the hose end with the factory hose clamp or a zip tie.



Locate the pulse line from the top of the intake manifold.



Cut the hose in this position shown. Use a bolt to plug off the end of the hose. Secure the hose end with the factory hose clamp or a zip tie. Clamp into the hose mount to keep secure



Mount the pump to the plate in the position shown.

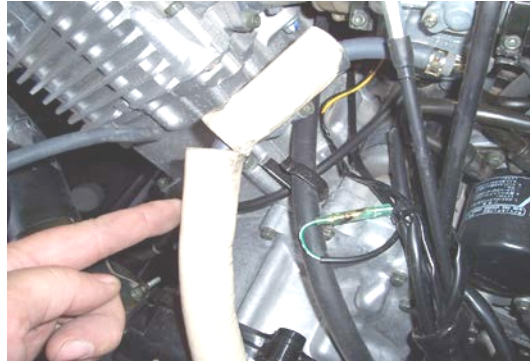


When mounting be sure to mount the pump, mount bolts with the nuts facing the pump as shown.





Mount the pump and plate into position. If mounted correctly you should see the fuel filter in the position shown.



Locate the fuel line that goes to the carb. Be sure to have the fuel line covering on the hosing (as shown). Failure to have the hose protection can cause damage to the hose. Attach the hose to the fuel pump. **NOTE:** you may need to cut about 2" to get the correct fit. Secure both ends of this line with factory clamps or with zip ties



Attach the line from the fuel tank to the pump you will need to cut hose to get it to sit flat on the tank. Mount the pump to the plate in the position shown. Secure both ends of this line with factory clamps or with zip ties.



Connect the pump and the wire harness together. Route the harness under the center floor panel. Secure it alongside the factory wire harness to the selected power source. We **highly recommend installing a fuse block or our ignition relay kit for the power source.**

Completion

As always, if you have any questions, concerns, or suggestions please call us at 619-561-5000 or drop us an email at CustomerServices@BlackRhinoPerformance.com.

