

HFP-396 INSTALLATION GUIDE

For 2011+ Polaris ATV and UTV's



QUANTUM FUEL SYSTEMS - Highflowfuel.com

Phone: (818) 574-3835

Email: Sales@highflowfuel.com

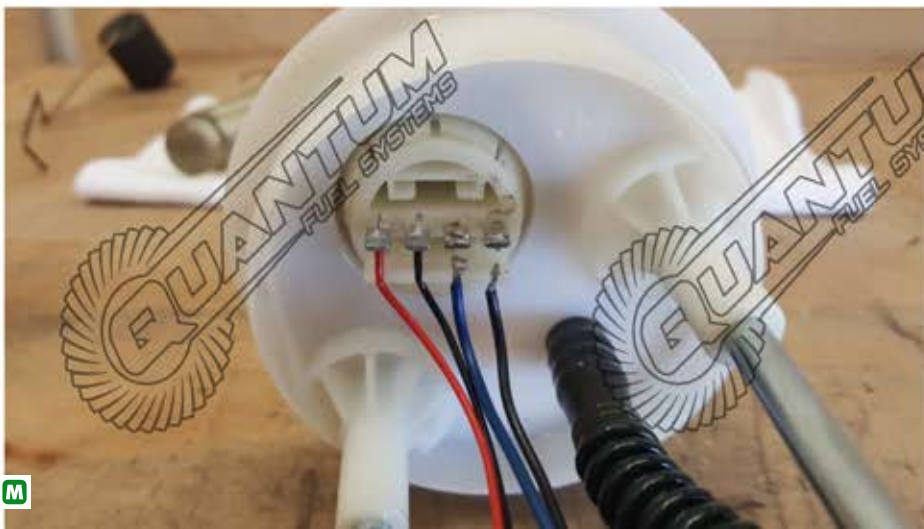
Using a pick, gently pry the metal float arm from the blue plastic piece. Hold down the plastic while you pry the metal arm out to ensure you don't tweak the fuel-level sensor.



To remove the fuel-level sensor, use the pick to pry the tab out as indicated in the picture. With the tab pushed out, slide the fuel-level sensor off.



Using a soldering iron, remove the black and blue pump wires from the top hat of the assembly. Touching the tip of the heated soldering iron to each metal tab for a few seconds, while gently pulling back on the wire.





Cut the black flex-hose. Use heavy-duty snippers or shears if available, otherwise a box-cutter can be used (carefully). Once the hose is cut, the pump wires have been disconnected from the hat, and the fuel-level sensor has been removed from the assembly, the top hat of the assembly should pull up and out from the lower-assembly. Be careful when handling the fuel-level sensor, as it is fragile and should not be kinked in any way.

Remove the lower-assembly brace in the same way the fuel-level sensor was removed. There is a small plastic tab that will need to be pried out (carefully), while sliding the brace to the side.





Flatten the metal tab on the ground wire with a flathead screwdriver, then push the tab down and out



There are 3 tabs around the base of the lower module holding the assembly together. Locate the two tabs pictured, and use 2 flathead screwdrivers, wedging them into the plastic (see right) enough to disengage 2 of the tabs. The black filter module should then easily come apart from the lower white pump housing.





Use the O-ring supplied with the HFP-396 installation kit to replace the one pictured. As there are a number of steps left before reassembling the low module, you may want to leave this step until last. Be sure the O-ring is seated perfectly in the housing, and that there are no kinks.





Remove the fuel strainer from the pump by prying it off with a flathead screwdriver. The strainer is kept on by a lock washer. Since the pump motor and strainer will not be reused it is ok to use some force to pry the strainer off, as the lock-washer can be difficult to remove. Be careful not to put too much strain or force on the white pump holster.



Pictured is a fully disassembled Polaris fuel pump assembly. The HFP-396 includes a pump motor with the wiring already soldered to the pump, making reassembly a very simple process. The rubber grommet in the pump will be reused, and will conform to the bottom of the new HFP-396 pump motor. Be sure to install the new O-ring.



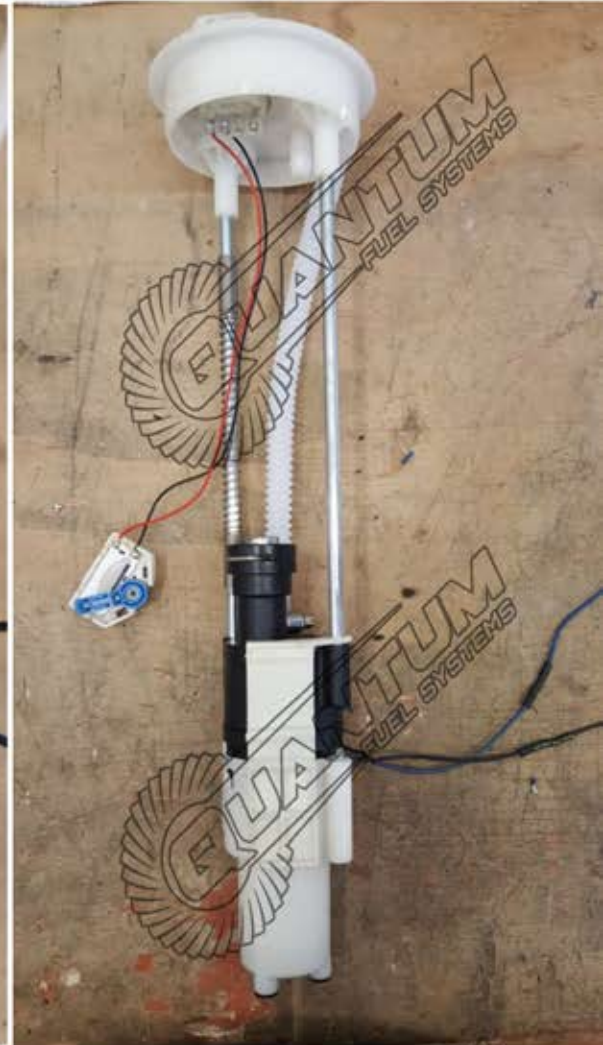


To remove the remains of the original black flex-hose, a sharp box-cutter or blade will be necessary. Carefully cut through the hose, being careful not to cut into the nipple underneath if possible. Using a heat-gun or blow-dryer on the hose beforehand may make it slightly easier to cut through.

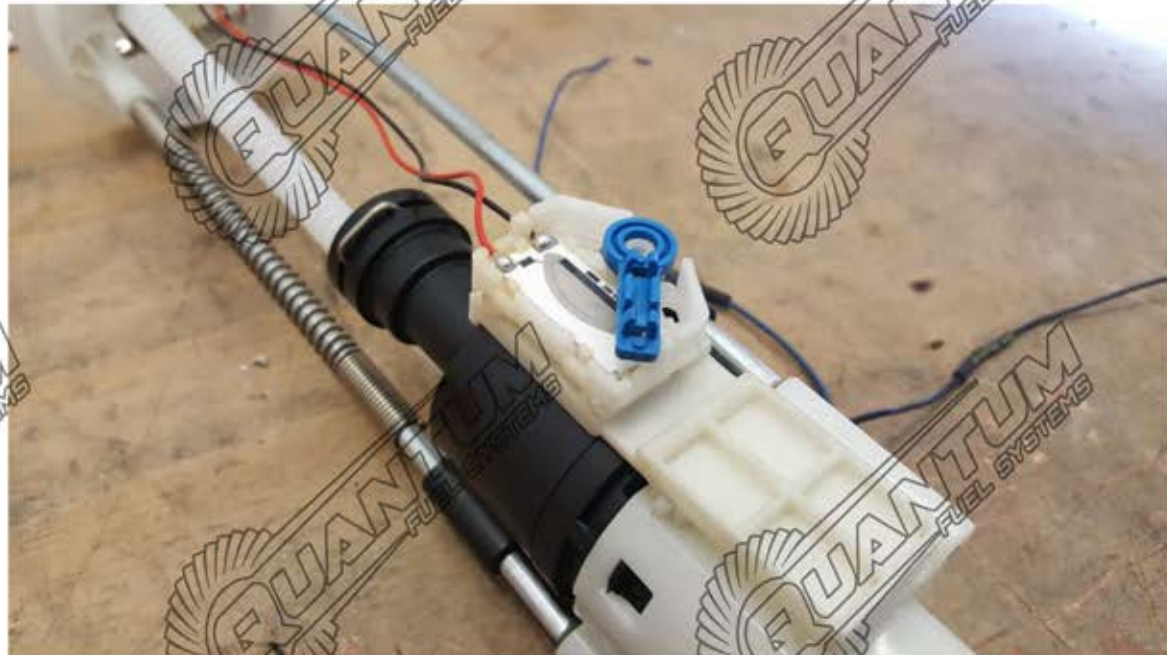


Heat up the end of the new flex-hose slightly in order to make it pliable enough to push on. Do not heat past the straight, flat ends of the hose. Use the provided clamps to secure the hose.

Reinstall the lower-assembly brace, then slide in the metal rods of the top hat (make sure to install the same orientation it came out).



Slide the fuel-level sensor back onto the low-assembly brace.





Install the strainer provided with the lock-washer (important). The lock-washer ensures the strainer will not fall off. Using a pair of pliers, or a small socket, push on the lock-washer.



Attach the flex-hose to the nipple on the hat of the assembly. Be sure to slide the clamp onto the hose before you heat and attach the flex hose!

Re-solder the pump wires to the terminals on the assembly hat. Be careful not to touch the soldering iron to any plastic – especially the flex-hose. You may also reverse the order, and solder the wiring before attaching the flex-hose.

Use the zip-tie provided in the HFP-396 kit to tie up the wiring.

Reinstall the float-arm – brace the blue plastic while you push it in to ensure you don't tweak the sensor.

