



## 2020 Pro XP High Pressure Fuel Pump Kit

SKU(s): 500FP0015

### INCLUDED PARTS

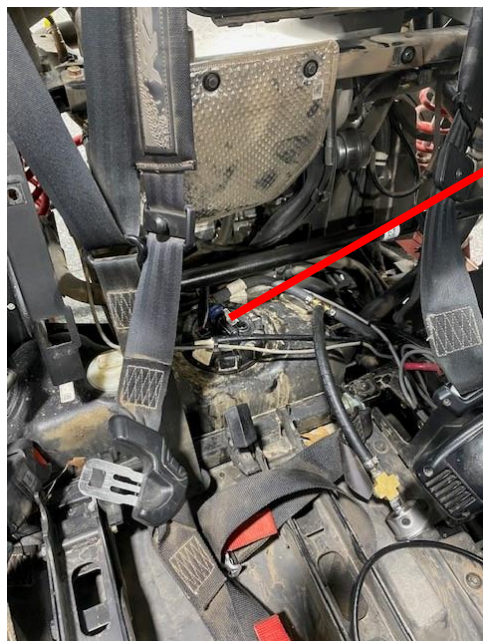
(1) AEM All Fuel Compatible High Flow Fuel Pump.
(1) AEM Pump Pre-Filter
(2) 12mm hose clamps
(1) 130mm Corrugated Hose

### REQUIRED TOOLS

Heat Gun
Small flat blade screwdriver
(Optional) Polaris service tool PU-50326 and 1/2" ratchet.
Safety glasses
Rubber gloves
Flashlight

### REMOVAL INSTRUCTIONS:

**Step 1:** Remove passenger seat and access cover by lifting on tab, to access fuel pump. With a damp rag or shop vacuum, clean the top of the fuel tank where the fuel pump nut ring is located. Failure to do so may result in foreign debris dropping into the tank, causing premature failure of the AEM High Flow Fuel Pump.



Fuel pump location, and fuel pump ring nut that must be clear of debris.

Figure 1

**Step 2:** Put your safety glasses and rubber gloves on at this point. Unplug 4 pin sending unit and disconnect fuel line. Slide the blue clip towards the passenger side of the vehicle to release the fuel line. You can then pull fuel line off.



Blue clip for the fuel line.

Figure 2

**Step 3:** Unscrew the fuel pump nut ring. We recommend buying the Polaris Tool, so no damage is done to the fuel pump nut ring.



(optional) Polaris Tool  
PU-50326. For removing fuel  
pump nut ring.

Figure 3

- Step 4:** Gently remove the entire fuel pump assembly. Turning the pump at a 90-degree angle will help not damage the float and pre pump filter while removing.
- Step 5:** Once the fuel pump assembly is removed, place it on a clean dry surface. Next step is pushing in the two black tabs on the pump, letting the pump pull out of the white cylinder housing. (Figure 4)
- Step 6:** Once the pump is released unplug both the Red (+) and Black (-) electrical terminals on the fuel pump. Note that both terminals are different sizes so they cannot be installed on the AEM pump incorrectly. Also remove the pre filter by prying on the plastic ring with a small screwdriver.
- Step 7:** Remove the long pre-filter from the bottom of the fuel pump, using a flat blade screwdriver.
- Step 8:** Cut the zip tie holding the small 3mm surge hose to the black housing.
- Step 9:** With a razor blade cut directly down the OEM fuel hose on both barbs. One on the OEM fuel pump and one barb on the top of the housing. (See Figure 5)

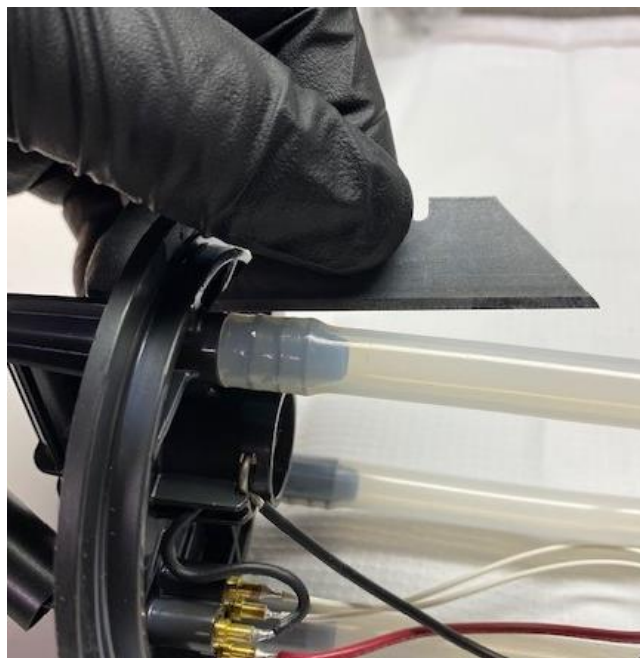


Figure 5

- Step 10:** Spread the black housing with your thumbs and push the fuel pump out of the housing with your fingers. (Figure 6)



Figure 4



Figure 6

- Step 11:** Now the fuel pump housing stands alone. Grab the AEM high flow fuel pump and install one end of the 5" corrugated hose. Heat up the corrugated hose with a heat gun until it looks like the plastic is "sweating". Slide it on the fuel pump fitting while its still hot. Pinch clamp it. **NOTE:** do not overheat the corrugated hose. (Figure7)
- Step 12:** Install the AEM fuel pump into the OEM black housing. Push the bottom in the housing first, then push the top in until it snaps into place.
- Step 13:** Heat up the other end of the corrugated hose and till the plastic starts to sweat, slide it onto the top fitting on the fuel pump housing. Pinch clamp it.
- Step 14:** Reconnect both positive (+) and negative (-) terminals to the AEM fuel pump.
- Step 15:** Install the new pre-filter to the bottom of the AEM fuel pump. Make sure it is all the way seated.
- Step 16:** The fuel pump assembly is ready to be reinstalled into the car. (Figure 8)
- Step 17:** Slide the rest of the assembly into the tank. Make sure the O-ring is sitting flush on top of the fuel tank. Place fuel pump nut ring on the fuel tank threads and torque to 70 ft/lbs. Verify that the fuel line connections are free of debris. Connect the fuel line onto the pump module. Slide the blue clip towards the driver's side of the vehicle to lock it into place. Re-connect the 4-pin sending unit.
- Step 18:** Test the fuel pump by turning on the key and listen for the pump to activate. Do this several times to prime the fuel system. Check for leaks. If there are no leaks, re-install the access cover and passenger seat.



Figure 7



Figure 8



## INSTALLATION INSTRUCTIONS

Thank you for choosing Evolution Powersports products. If you require further assistance, please call our Tech Support @ (715) 247-3862

**Note:** This product is exempt from the emission standards and related requirements of 40 C.F.R. § 1051 as provided by 40 C.F.R. § 1051.620, and California law [e.g., vehicle code §§ 27156 and 38391]. This product is sold only for use in connection with EPA certified, purpose-built, nonroad vehicles used solely for closed course, nonroad competition/racing and not used for any recreational purpose or on public highways or right of ways maintained by and open to the public. This product is sold only in connection with machines that do not fall under state and/or federal noise or emission standards/regulations. Purchasers who/that purchase this product represent and warrant that the product is purchased only in connection with EPA -certified, emission-regulations-exempt and noise-regulations-exempt competition/racing vehicles as interpreted under applicable state and/or federal law. Questions: Call Evolution Powersports at (715) 247-3862.

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