

# FUEL PUMP MOTOR REPLACEMENT KIT

**AFFECTED MODELS: 2017 KTM 1090 ADVENTURE R, 1290 SUPER ADVENTURE R, 1290 SUPER ADVENTURE T, 1290 SUPERDUKE R**

**RESTRICTIONS: AFFECTED MODELS ARE LINKED BY VIN IN KTM DEALER.NET**

## INITIAL INFORMATION:

Due to market feedback, KTM North America, Inc. has found that on the select models listed above there is a possibility that the fuel filters and/or fuel pump motor could cause a lower than recommended fuel pressure which could decrease the performance of the engine. To aid in preventing a fuel pressure decrease, a replacement kit for the fuel pump has been specially developed consisting of new seals, gaskets, filters and pump motor to stabilize and maintain recommended operating fuel pressure.

KTM North America, Inc. is recommending that the fuel pump motor is replaced on all affected motorcycles including the current inventory prior to PDI following the procedures given later in this document. Please contact all of your customers who own affected motorcycles to have the fuel pump motor replacement kit installed as soon as possible.

## SAFETY ADVICE:



### Danger

**Fire hazard:** Fuel is highly flammable.

- Never refuel the vehicle near naked flames or lit cigarettes, and always switch off the engine. Be careful that no fuel is spilled, especially on hot vehicle components. Wipe up any spilled fuel immediately.
- The fuel in the fuel tank expands when heated and may leak out if the tank is overfilled. Note the specifications on filling the fuel tank.



### Warning

**Danger of poisoning:** Fuel is toxic and poses a risk to your health.

- Do not allow fuel to come in contact with your skin, eyes, or clothing. Do not inhale fuel vapors. If contact occurs with the eyes, rinse with water immediately and contact a physician. Immediately clean contaminated areas on the skin with soap and water. If fuel is swallowed, contact a physician immediately. Change clothing that has been contaminated with fuel. Store fuel correctly in a suitable canister and keep it out of the reach of children.



### Warning

**Environmental hazard:** Improper handling of fuel is a danger to the environment.

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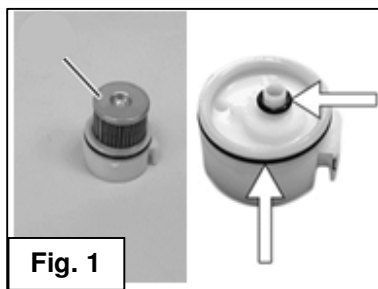
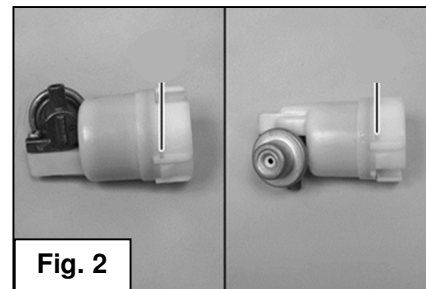
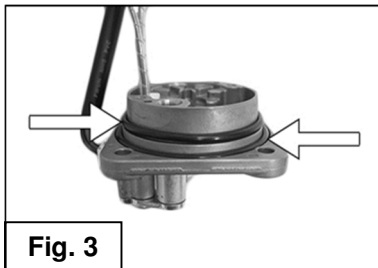
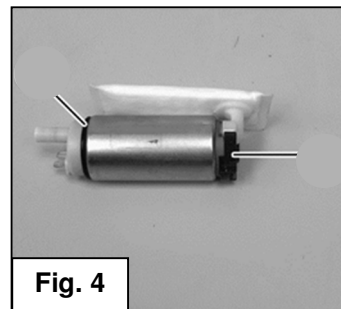
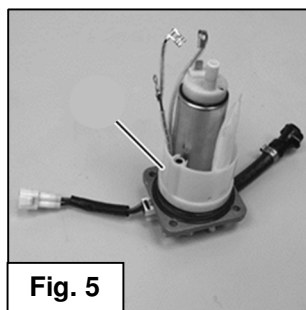
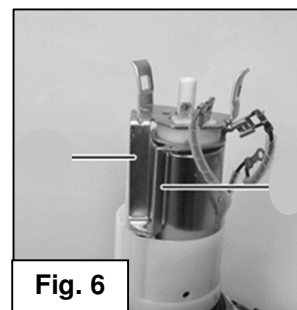
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**PROCEDURE FOR REPAIR:**

Please reference the latest HTML repair manual in the KTM Dealer.net download center, or on the CD-Rom (p.n.3206290 for SUPERDUKE R, p.n.3206296 for ADVENTURE) for fuel filter and pump removal instructions.

1. Follow the fuel pump disassembly instructions provided in the repair manual as described in Chapter 12.11 to the point of replacing the cartridge filter element.
2. Then mount the new filter spring, filter element and O-rings to the filter housing (**Fig.1**).
3. Assemble the filter housing and ensure the locking tab engages (**Fig.2**).
4. Replace the O-rings on the fuel pump housing base (**Fig.3**).
5. Mount the O-ring and sealing element on the new fuel pump motor (**Fig.4**).
6. Mount the fuel pump motor to the housing base and mount the plastic housing with spacers (**Fig.5**).
7. Install the retaining brackets and tighten the screws to 3.5Nm (**Fig.6**).

**Fig. 1****Fig. 2****Fig. 3****Fig. 4****Fig. 5****Fig. 6**

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8. Mount and tighten screw to 1Nm (**Fig.7**).
  9. Plug in the blade connectors (**Fig.8**).
  10. Mount the new rubber sleeve with the opening hole diameter of 8mm towards the top (**Fig.9**).
- NOTE: During service work, if using the spare parts filter replacement set p.n. 61007090100 be sure to mount the rubber sleeve with the 8mm diameter hole away from the pump motor and the 6mm hole towards the pump motor (**Fig.10**).
11. Replace the O-rings on the fuel pipe and mount it (**Fig.11**).
  12. Mount the filter element housing and be sure the locking tabs engage (**Fig.12**).
  13. Install the fuel pump according to the repair manual instructions and assemble the motorcycle, start the engine and allow it to idle for 2 minutes while checking to ensure there are no leaks present and then perform a short test ride to verify correct operation.
  14. Please take a photo of the removed parts and attach the photo to the warranty claim before submission. Store the parts for 180 days per our warranty parts storage policy.

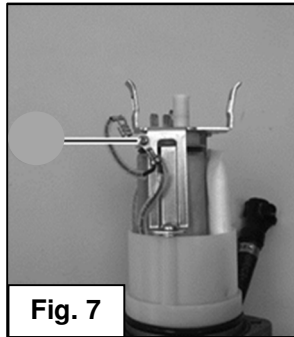


Fig. 7

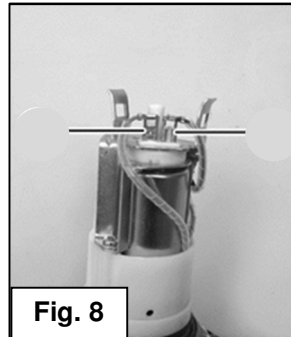


Fig. 8



Fig. 9

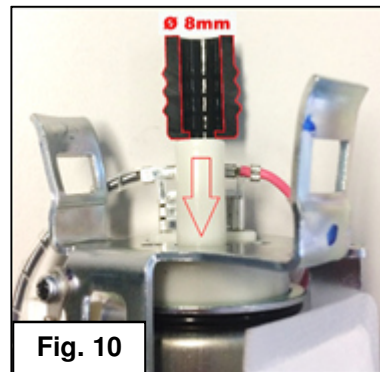


Fig. 10

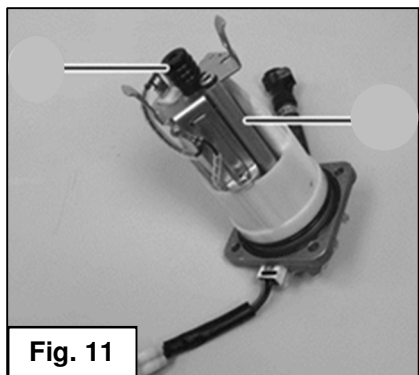


Fig. 11

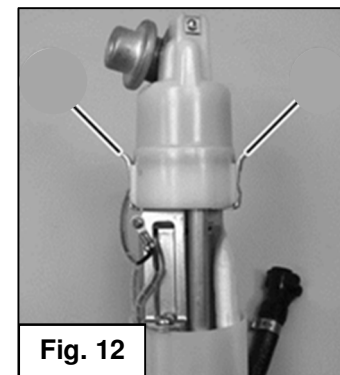


Fig. 12

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**PARTS ORDERING:**

Please order 1 QTY 60307088050 (Retrofit Kit FFP) for each affected motorcycle. The figure below displays the complete retrofit kit and it has been labeled with the corresponding repair procedure steps from the previous page to show which parts are used in the steps (**Fig.13**).



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**WARRANTY INPUT INFORMATION:**

**This Technical Bulletin only affects certain VIN numbers! Please check the VIN by performing a Motorcycle History search in KTM Dealer.net to determine if it's affected. If the motorcycle is affected you will see a link to the bulletin and its repair status in the history results. KTM North America will not warranty units whose VIN numbers are not linked as this bulletin does not apply to them. It is the responsibility of the dealer to determine if the unit requires this update by checking the vehicle history and understanding the instructions provided by this bulletin.**

Please note that when entering a warranty claim on an affected model, you must perform a vehicle history search, expand the **Technical information** window and click the orange arrow on the right side of the corresponding bulletin message.

You can now choose the TI Number from the list. The TI number for this procedure is according to the repairs performed and listed in the warranty claim input information; click **Continue with selected action code**.

The Warranty Claim is automatically entered for you, including parts & labor. You must enter additional information in the required fields marked with an asterisk "\*" before submitting the claim to KTM. The flat rate time for this repair is based on the action performed and provided in minutes.

| WARRANTY CLAIM INPUT INFORMATION |  |
|----------------------------------|--|
| <b>Warranty type:</b>            | <b>TI Warranty</b>   |
| <b>Subassembly group:</b>        | <b>07 - Fuel pump</b>  |
| <b>Failure code:</b>             | <b>700 - Series improvement</b>  |
| <b>Part causing failure:</b>     | <b>61007089000 - O-RING SET FOR FUEL PUMP 05</b>   |
| <b>Campaign code:</b>            | <b>07_533288_00 Reworking of fuel pump</b>   |
| <b>Spare parts:</b>              | <b>1 QTY. 60307088050 - Retrofit Kit FFP</b>   |
| <b>Labor time:</b>               | <b>50 minutes</b>  |
| <b>Stock parts affected:</b>     | <b>No – EXCEPTION NOTE: During service work, if using the spare parts filter replacement set p.n. 61007090100 be sure to mount the rubber sleeve with the 8mm diameter hole away from the pump motor and the 6mm hole towards the pump motor (Fig.10).</b> |

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