

9-403-1047

15-17 Mustang DW400 Fuel Pump Installation Guide



Parts List:

- DW400
- 1/8" Fuel Tubing
- 3/8" Fuel Tubing
- 6.1mm Permanent Hose Clamp
- 7mm Permanent Hose Clamp
- 13.3mm Permanent Hose Clamps (x2)
- Fuel Sock
- Electrical Connector Harness

15-17 Mustang DW400 Fuel Pump Install

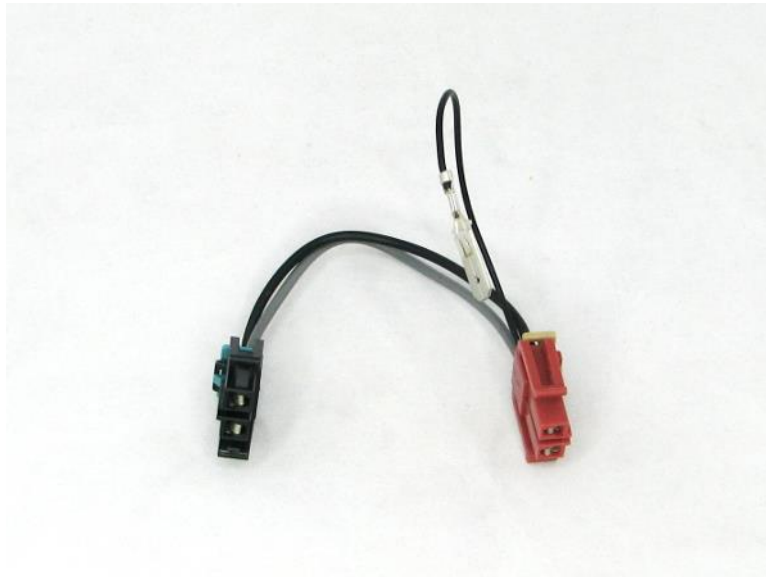
PLEASE READ – this guide is intended to aid in the installation of our products. It is recommended that factory manuals or instructions are followed to remove the fuel pump assembly from the vehicle. Some instructions in this guide are generic. The factory manual should supersede any contradiction. The DW400 pump has a larger body than most in-tank pumps it will replace. Some cutting of the assembly should be expected for proper fitment

This kit uses PTFE tubing and permanent clamps. Heat from a heat gun, high temperature hair dryer, or boiling water may be used to soften the tubing ends to make installation onto the pump and assembly easier. DO NOT USE AN OPEN FLAME! The permanent clamps may be crimped with end cutters or side cutters. PTFE tubing installation video: <https://www.youtube.com/watch?v=6NE6tRE1Kug>

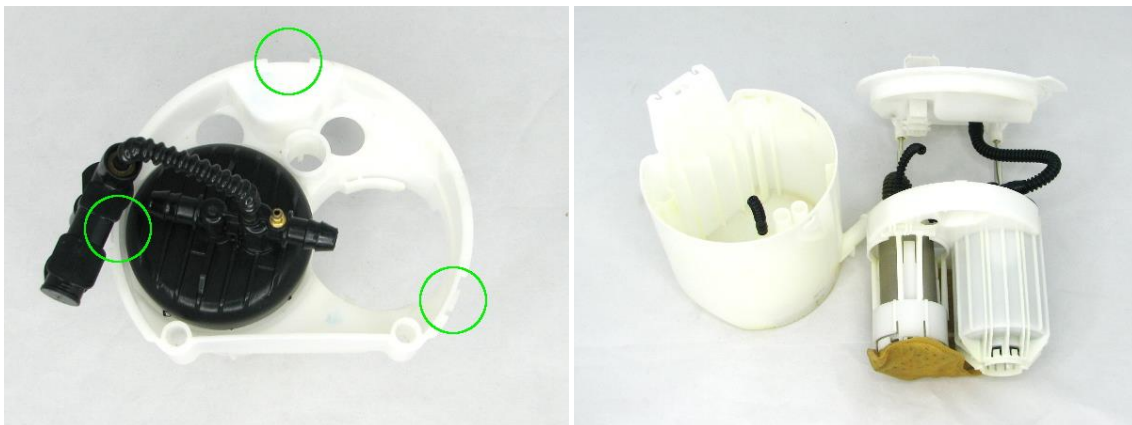
Below is a picture of suggested tools that will make the installation process easier.



1 – remove the OE pump connector harness and fuel level sender, the OE pump connector harness will be replaced by the supplied DW pump connector harness



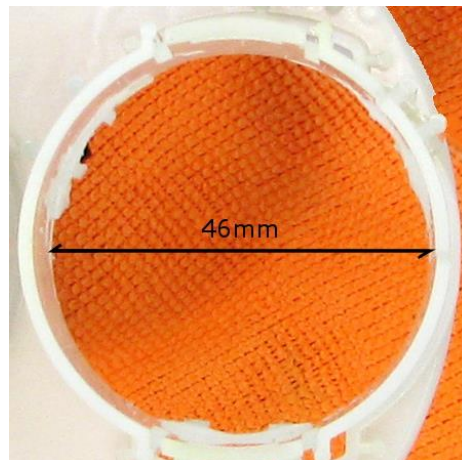
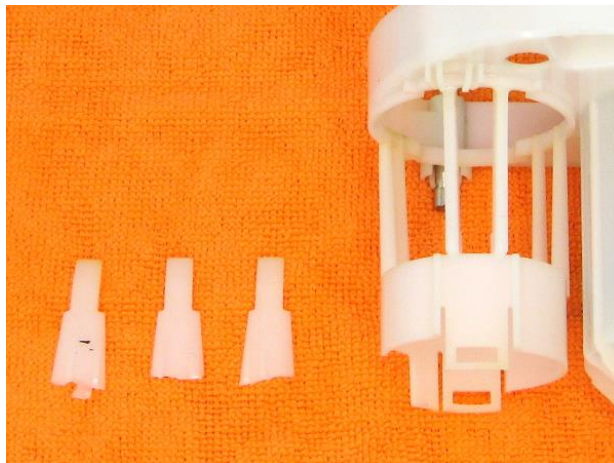
2 – cut the smaller venturi outlet tube (1/8" ID) and remove the center section of the assembly by depressing the 3 tabs (circled in green) around the perimeter and pulling the center up and out of the bucket assembly. Remove the smaller venturi tube from the pump and the bucket assembly. It will be replaced by the supplied DW 1/8" hose later



3 – carefully cut the larger pump outlet tube (3/8" ID) from the assembly filter and remove the OE pump, the supplied DW 3/8" ID tube will be used later. DO NOT cut the 3/8" ID tube that connects the assembly filter to the assembly top-hat (circled in green)



4 – remove the 3 locating tabs and smooth the pump receptacle to the diameter of the DW400 (46mm)



5 – install the supplied DW 3/8" tube onto the assembly filter inlet and slide on the two (2) supplied DW hose clamps. Install the DW400 into the pump receptacle and install the supplied DW 1/8" hose onto the venturi inlet receptacle of the assembly bucket



6 – install assembly center section into the assembly bucket and connect the 3/8" tube to the outlet of the pump, then pinch the 13.3mm permanent clamps. Slide the larger permanent clamp (7mm) onto the hose and crimp it in place (over the barbs) with a pair of side-cutters. Slide the smaller permanent clamp (6.1mm) on the hose and install the free end on the smaller venturi outlet on the pump. Crimp the clamp in place under the barb

NOTE – removing the assembly top-hat from the assembly center section will allow for more room to work to install the components



7 – install the supplied DW connector harness, the additional static ground inserts into the slot on the assembly filter, the same as OE



8 – reinstall the assembly top-hat to the center/buckets assemblies and connect the electrical connector harness to the hat assembly. Reinstall the fuel level sender and connector the electrical connector to the assembly top-hat



9 – reinstall the assembly into the fuel tank and attach a length of hose to the outlet of the pump assembly allowing it to drain into a fuel safe container and prime the fuel pump assembly

10 – cycle the key to the on position as many times as required to prime the pump assembly and evacuate the air introduced during the pump installation process

11 – attach supply line to the outlet of the pump assembly