

# 9-402-1048

## 03-13 Corvette DW400 Fuel Pump Installation Guide



### Parts List:

- DW400
- 3/8" Fuel Hose
- 1/8" Hose Clamps (x1)
- 3/8" Hose Clamps (x2)
- Fuel Sock
- 10" Electrical Connector

Late C5/C6 DW400 Fuel Pump Install

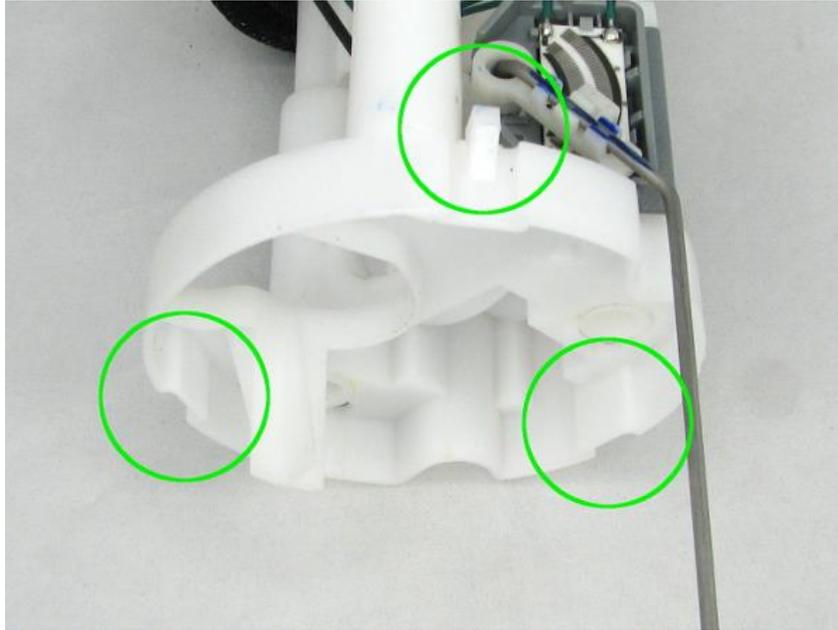
PLEASE READ – this guide is intended to aid in the installation of our products. It is recommended that factory manuals or instructions are followed to remove the fuel pump assembly from the vehicle. Some instructions in this guide are generic. The factory manual should supersede any contradiction. The 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

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

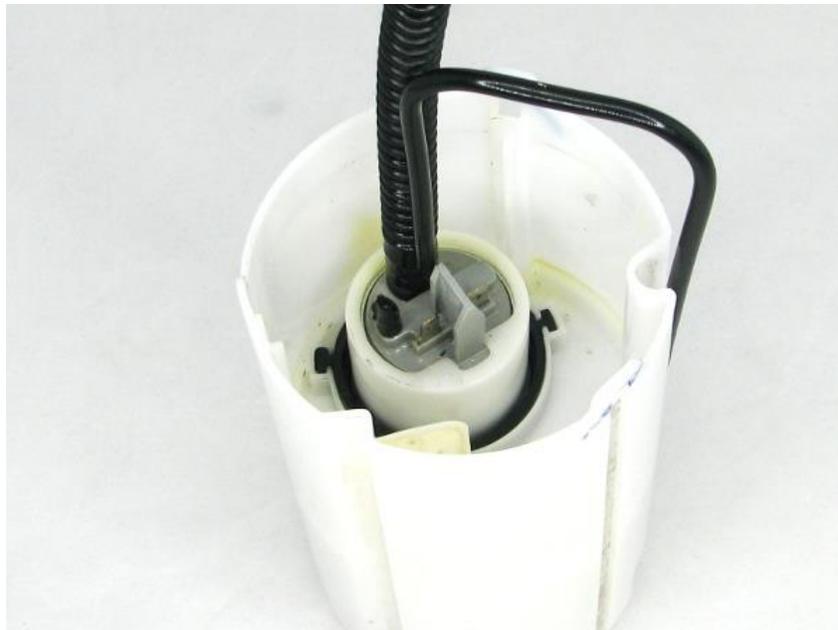


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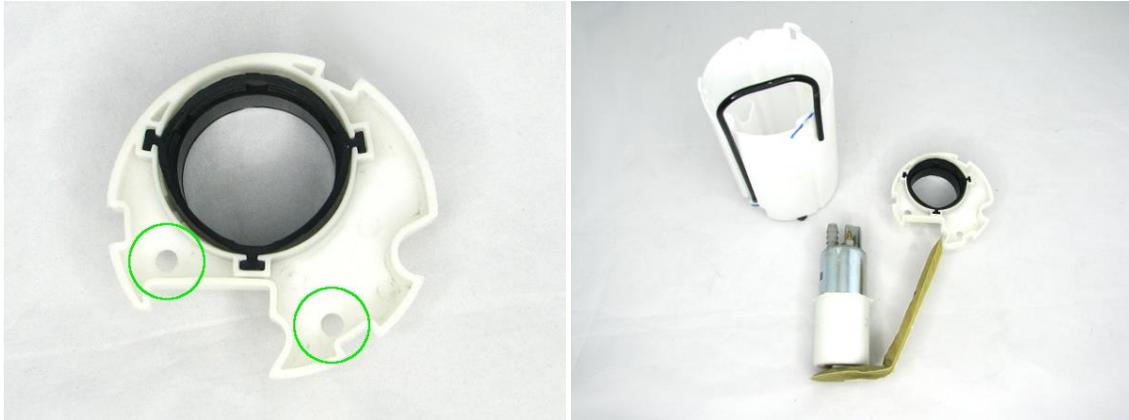
1 – separate the hat assembly from the center/bucket assembly by releasing the 3 tabs around the perimeter of the bucket assembly (circled in green)



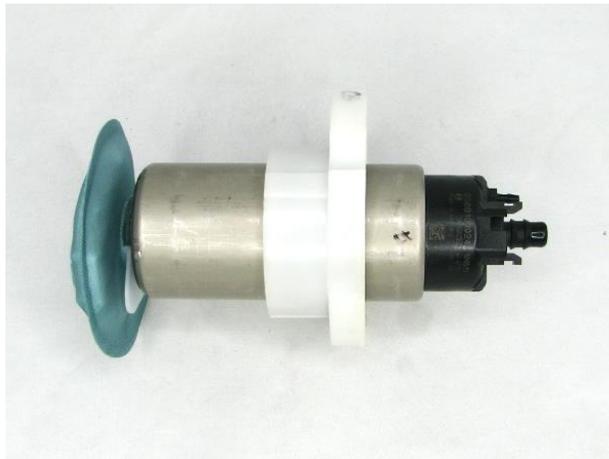
2 – the pump outlet tube, venturi feed tube, and electrical connector will prevent the assembly from being completely separated. Carefully pull the assembly apart while being mindful of the tension being placed on the two hoses and the electrical leads. Sever the venturi tube (1/8", black plastic tube) just above the pump. Cut a slit in the pump outlet tube and remove the tube from the pump. Remove the electrical leads from the pump and completely separate the hat assembly from the center/bucket assembly



3 – remove the center section of the assembly by pulling up with a hook pick (suggested locations circled in green) while pulling the center section around the retaining ridges in the bucket assembly. Remove the pump and the plastic pump holder from the center section

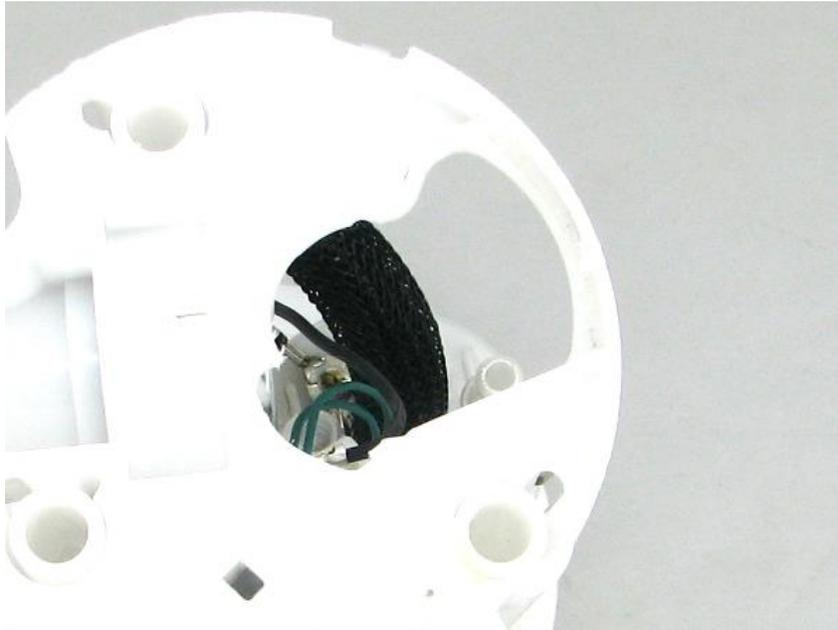
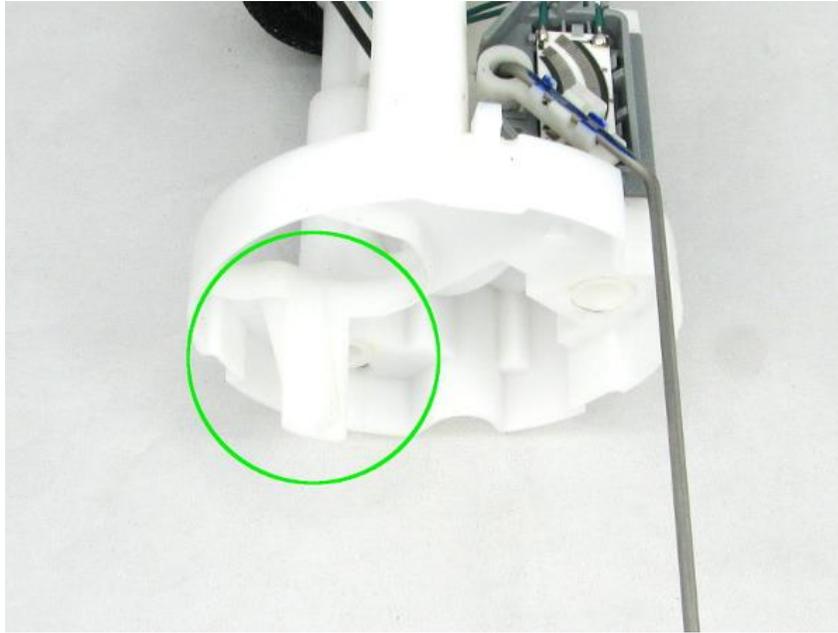


4 – insert the DW400 into the center section, install the pump fuel sock, and clock like pictured below and install into the bucket assembly. Push center section down until it clicks in place below the ridges in the bucket assembly:



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5 – the hole for the pump outlet tube, venturi feed tube, and electrical connector needs to be enlarged to accommodate the larger connector and outlets of the DW400. Remove the tab (circled in green) and enlarge the hole around the DW400 outlet and the smaller venturi outlet:

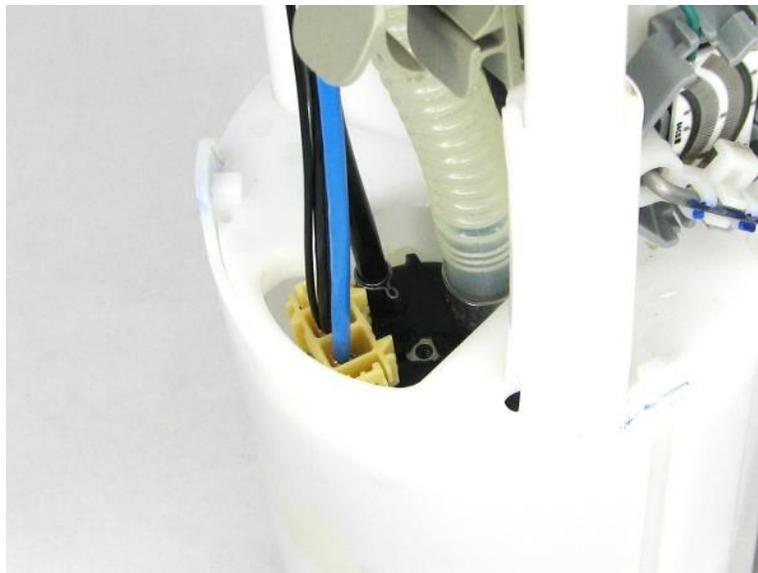


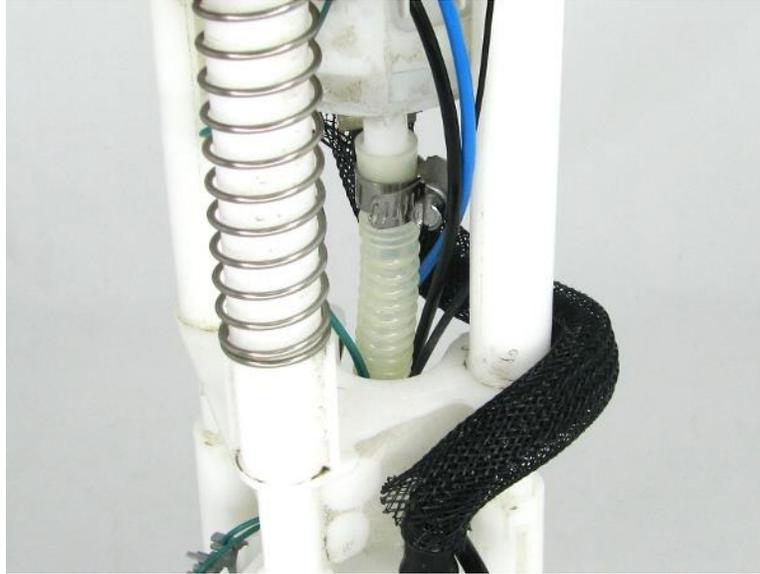
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5a (optional) – the filter in the assembly is not compatible with ethanol and it does have a service life of 60,000 – 80,000 miles. It is recommended that the filter is removed if either the vehicle is higher mileage or ethanol blended fuels will be used. As the filter will be removed, it is recommended that an inline filter is installed somewhere between the pump assembly and the engine. To remove the OE assembly filter, it is located within the canister pictured below and there are 3 tabs that need to be lifted while pulling down.



6 – before reinstalling the hat assembly into the center/bucket assembly, push both the 3/8" pump outlet hose and tighten the hose clamp and push on the 1/8" venturi feed hose and crimp the 1/8" permanent clamp in place using dykes or side cutters. Now push hat assembly into the center/bucket assembly and push the pump outlet tube onto the hat assembly





7 – splice the DW400 connector into the OE electrical connector harness (blue is positive, the extra negative lead can be clipped or mounted to the assembly as an additional ground) and reinstall the connector harness



8 – 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

9 – 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

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