

9-309-1039

09-14 Cadillac CTS-V DW300c Fuel Pump Installation Guide



Parts List:

- DW300c, 9-309 (x2)
- Fuel Sock (x2)
- 3-116 O-Rings (x4)
- Super Lube

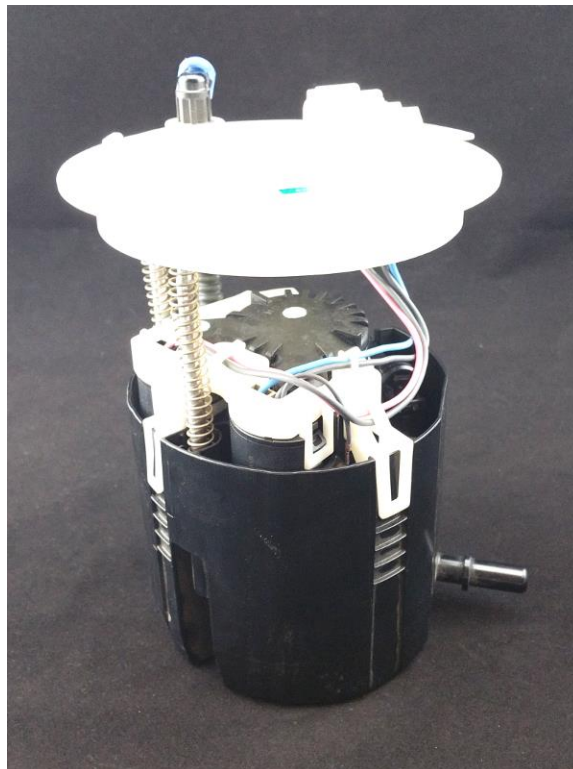
09-14 CTS-V DW300c Fuel Pump Install

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.

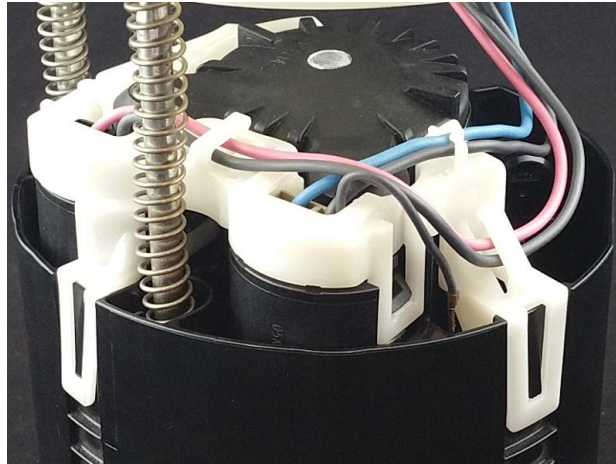
There is a Technical Service Bulletin (TSB) related to this part number and application hosted on the DW site, it is recommended that you read the TSB prior to installation and tuning:

http://www.deatschwerks.com/images/stories/DW_TSB/DW%20TSB-17-04-14.pdf

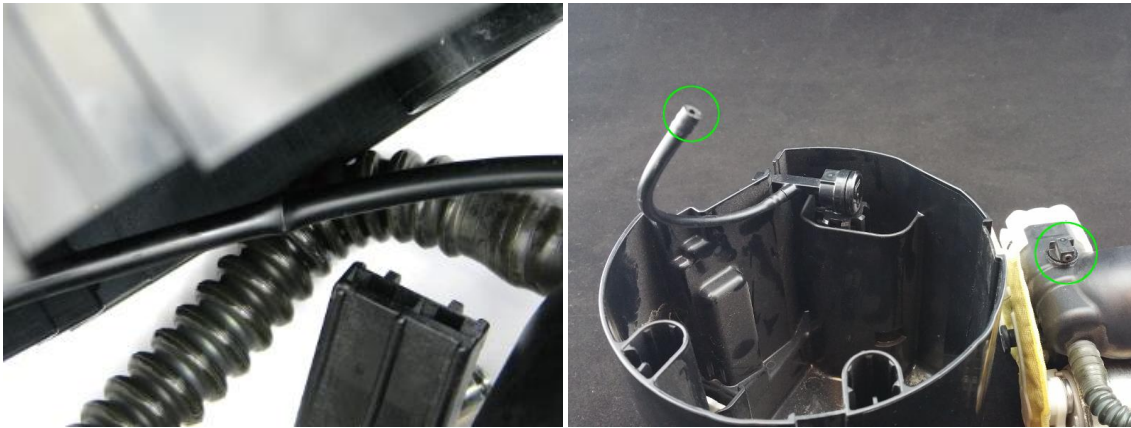
Below is a picture of suggested tools that will make the installation process easier.



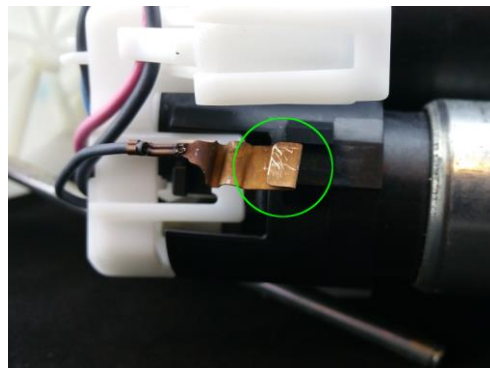
For Wire Routing Reference



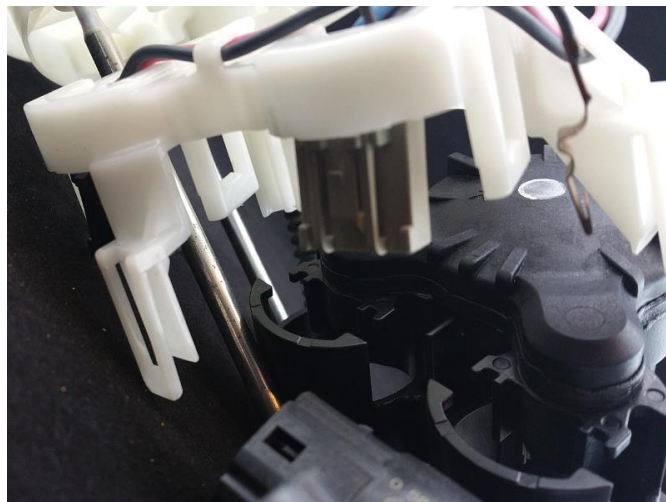
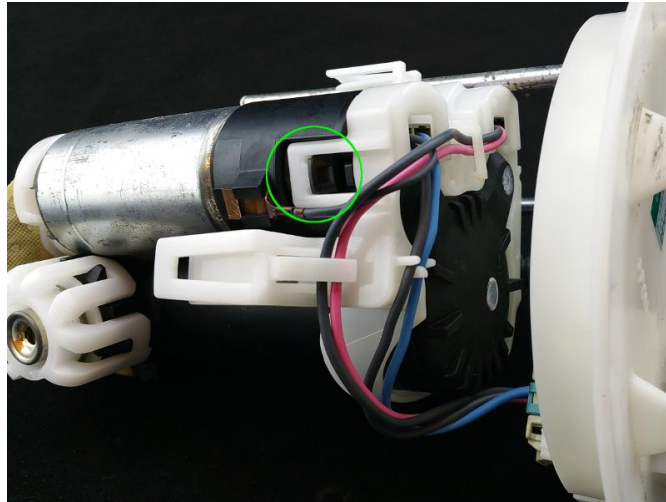
1 – separate the center section of the assembly from the bucket by lifting the three (x3) tabs around the perimeter. While separating the assembly use caution to not to kink or pull the small hose from the assembly (green circles), it is a small fitting and even a moderate force could cause it to break



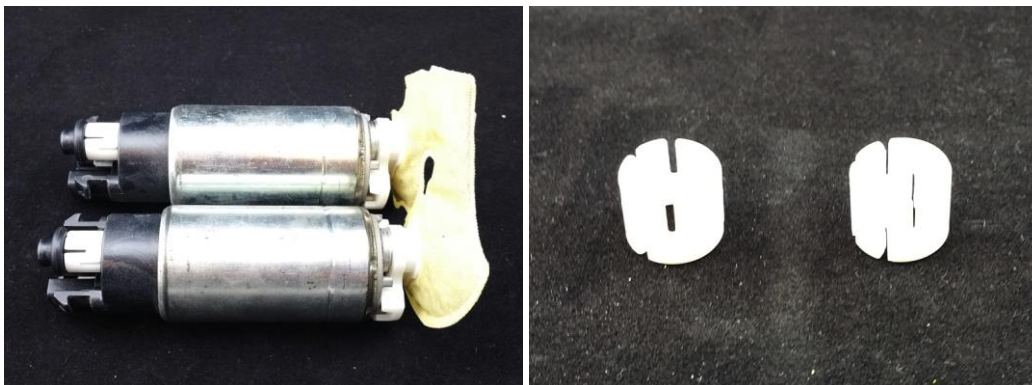
2 – remove the ground from the side of the assembly by pushing the tab (green circle) down and pulling the wire up



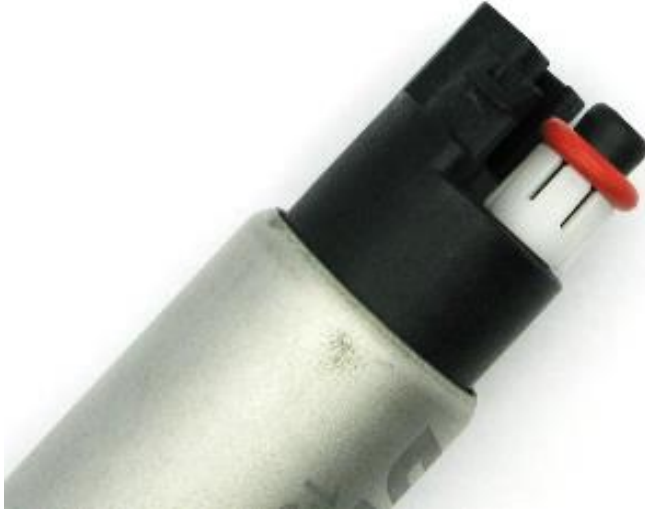
3 – lift up on the four (x4, green circle) tabs holding the white cap onto the black housing and pull the cap away from the housing enough to insert a flat screwdriver in to depress the electrical connector to the pumps in and gently pry up



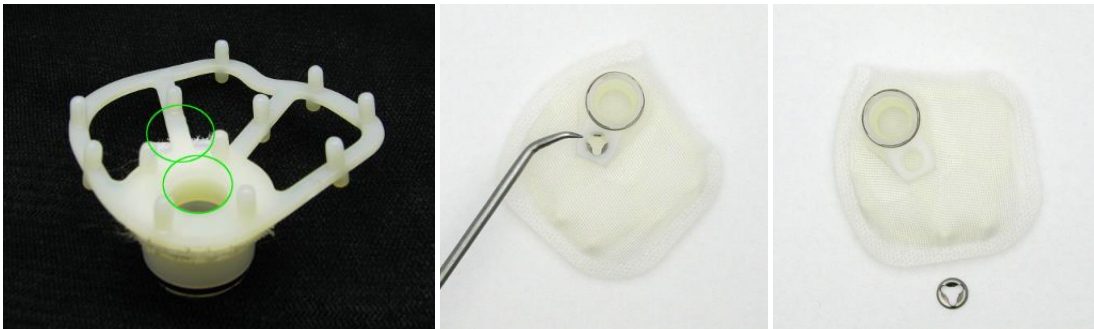
4 – remove the OE pump outlet spacers to be reused on the outlet of the DW300c pumps. The OE fuel sock can be reused, but will require trimming to fit the DW300c pumps



5 – prep the DW300c by installing the orange o-ring supplied in the kit on the pump outlet on top of the transferred OE outlet spacer



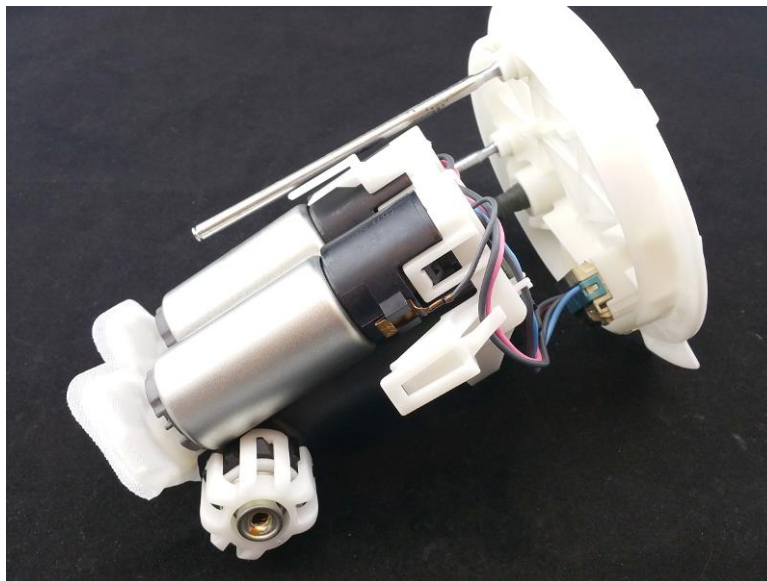
5a – use caution when installing the supplied pre-filters on the base of the DW300c by pushing between the pre-filter support extensions. The press-on retainer nut should be removed from the pre-filter, however, if it is not, it is simple to remove with a pick or small flat-head screwdriver



6 – install the DW300c into the center section, plug in the electrical connectors for the pumps, and reinstall cap onto the housing



7 – reinstall the ground into the housing



8 – Install the bucket assembly onto the center section



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 – crank the engine for a period of time long enough 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