

9-307-1069

2022+ Subaru Impreza WRX Fuel Pump Installation Guide



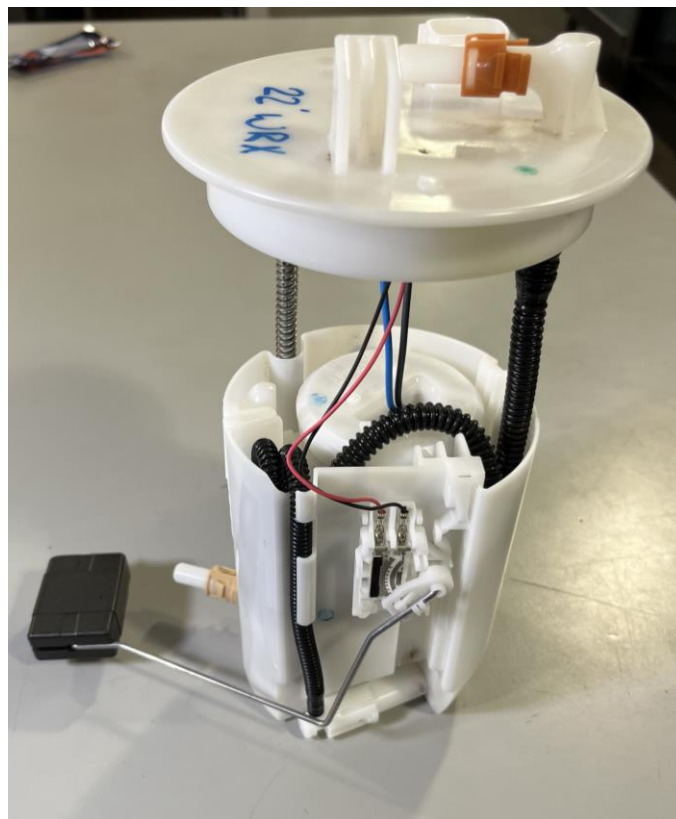
Parts List:

- DW300c, 9-307
- Electrical Connector
- Fuel Sock
- Pump Isolator (Grommet)
- O-Rings (x3)
- Super Lube

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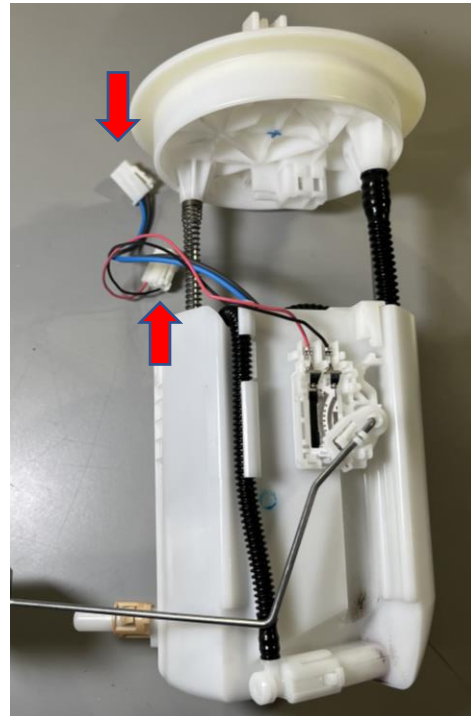
PLEASE READ – this guide is intended to aid in the installation of our products. It is recommended that factory manuals or instructions are followed to remove the fuel pump assembly from the vehicle. Some instructions in this guide are generic. The factory manual should supersede any contradiction.

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



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1. Disconnect the OE fuel pump connector and the OE sending unit connector from the OE top hat (red arrows). Depress the locking tabs then gently pull down on the connectors to remove.



2. Remove the OE retaining clip from the OE top hat support rod (red arrow). Using needle nose pliers pull the retaining clip off.



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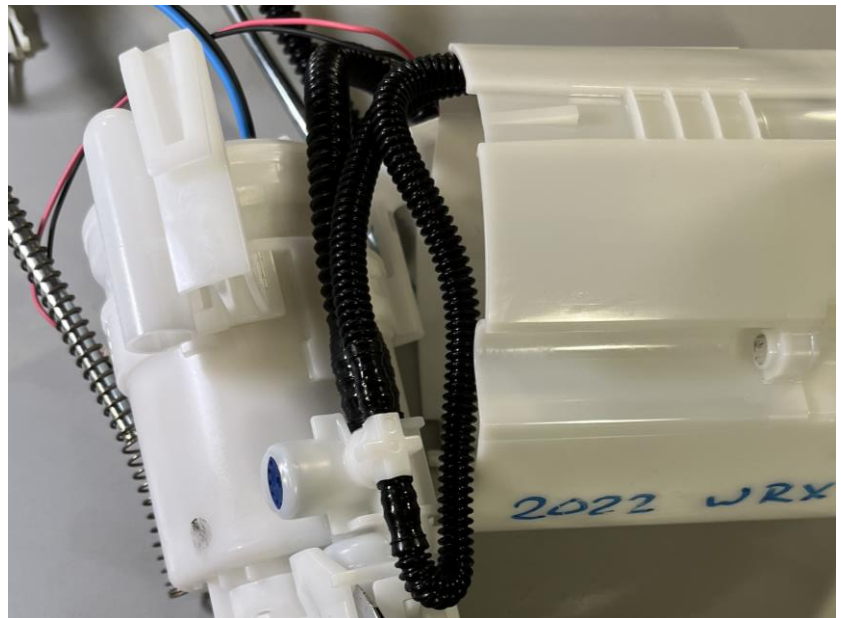
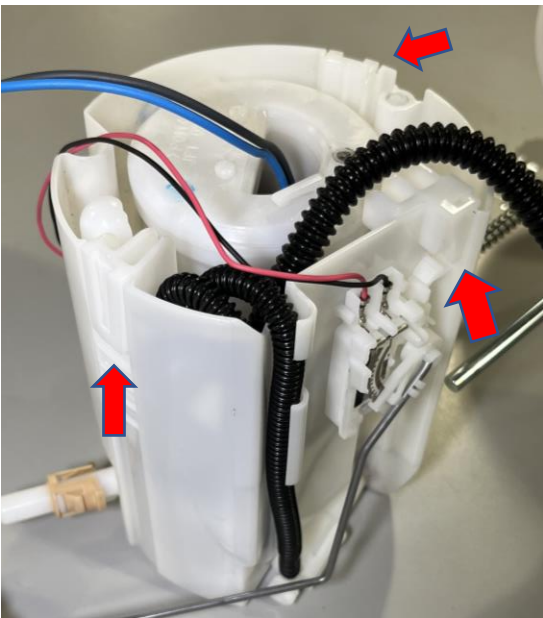
3. Gently separate the OE top hat assembly from the OE bucket. Pull the top hat upward until the OE support rods slide out of the OE bucket.

Note: DO NOT damage the OE tubing. The tubing will not be removed or replaced in this fuel pump installation.

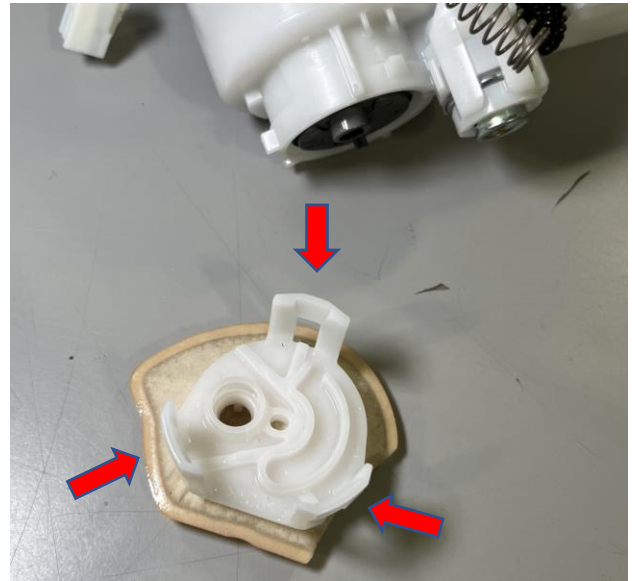


4. Remove the OE center section from the OE bucket. Using small flat head screwdriver release the (3) locking tabs (red arrows). Gently slide the center section out of the bucket from the top.

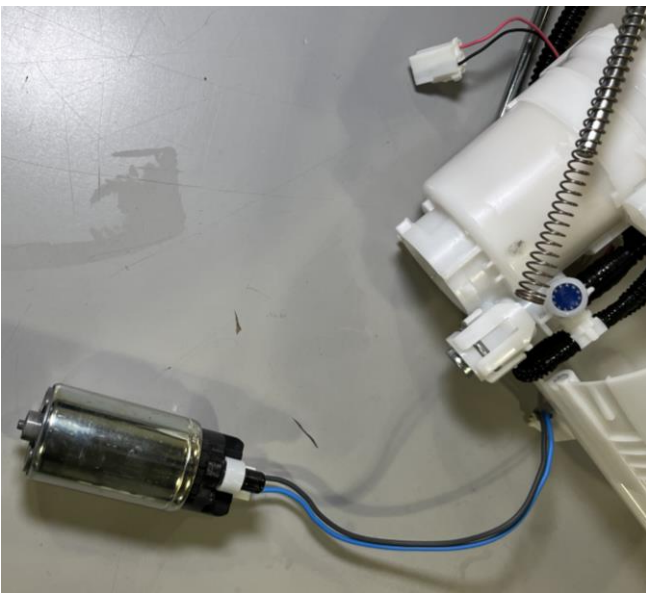
Note: DO NOT damage or break the locking tabs. Gently release them to remove the OE center section. DO NOT damage the OE tubing. The tubing will not be removed or replaced in this fuel pump installation.



5. Remove the OE filter sock off the bottom of the OE fuel pump/filter assembly. Use a pocket flat head screwdriver to release the (3) locking tabs (red arrows). Once the tabs are released then pull the filter off.



6. Slide the OE fuel pump out of the OE filter assembly. Use a flat head screwdriver to gently push the pump out the bottom of the filter assembly. Remove the OE O-ring from the inside of the filter assembly (red arrow).

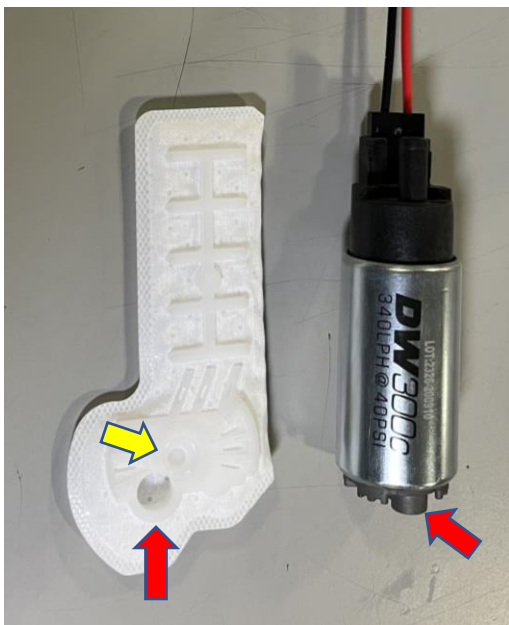


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7. Install the new fuel pump electrical connector to the DW300c fuel pump. Fully install the connector and verify the locking tab is locked on the pump electrical receptacle (red arrow).



8. Install the new filter sock onto the bottom of the DW300c fuel pump. Align the pump inlet to the large hole on the filter sock (red arrows). Align the filter stud on the bottom of the pump to the small hole on the filter sock (yellow arrow). Press firmly down with the fuel pump onto the filter sock.



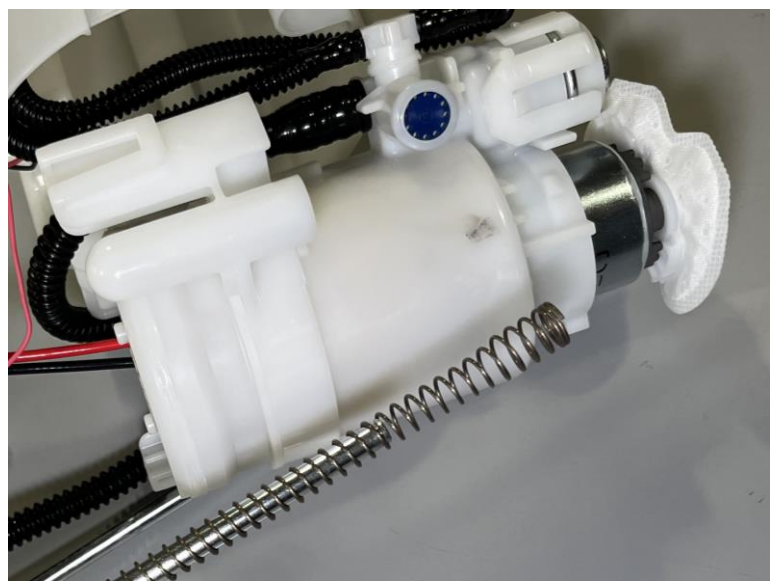
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9. Install the new pump isolator grommet and (1) new O-ring onto the outlet of the DW300c fuel pump. Install the isolator grommet first then the O-ring. Use the supplied lube onto the new O-ring to help with installation.



10. Slide the new fuel pump electrical connector through the OE filter assembly (red arrow). Align the DW300c fuel pump outlet with the inlet of the OE filter assembly (yellow arrows). Press the fuel pump firmly into the filter assembly to fully seat the pump.

Note: The DW300c fuel pump is slightly longer than the OE pump. The DW300c pump will stick out the bottom of the OE filter assembly approximately one inch.

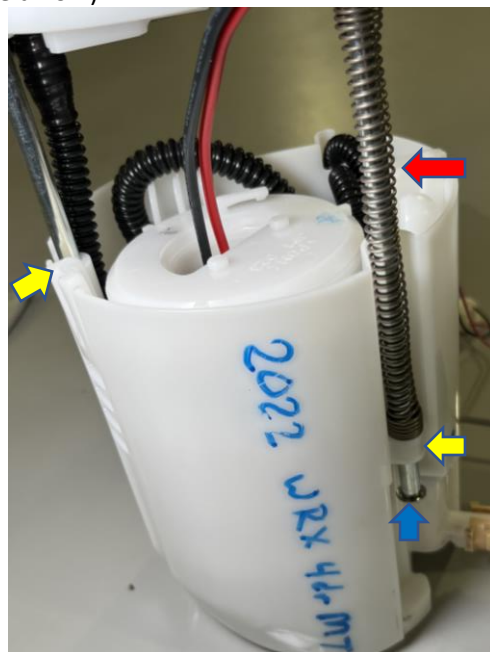


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11. Install the OE filter assembly with the installed DW300c into the OE bucket. Align the (3) locking tabs (red arrows) and the venturi jet (yellow arrows). Verify the new filter sock is bent upward against the OE filter assembly to fit between the filter assembly and the bucket (blue arrow). Press down firmly to lock the (3) tabs. **Note: DO NOT damage or break the locking tabs. DO NOT kink or damage the OE tubing.**



12. Install the OE top hat assembly onto the OE bucket. Verify the OE spring is on the OE top hat support rod (red arrow). Align the support rods into the holes on the bucket (yellow arrows). Install the retaining clip on the bottom of the support rod (Blue arrow).



13. Connect the new electrical connector as well as the OE sending unit connector to the OE top hat electrical receptacles. Route the harnesses as shown. Verify the locking tabs on the connectors are locked into place.



For additional technical support please contact us at: TechSupport@Deatschwerks.com or 405.233.3991