DW300c Fitment Kit

9-1059

Removal And Installation Instructions

9-1059 Applications

- 2016+ Honda Civic
- 2017+ Honda Civic Type R
- 2018+ Honda Accord 2.0T

9-1059 Kit Contents

- Electrical connector with 10" wire leads
- O-Rings (x2)
- 2"x5" pump pre-filter sock
- 14-16awg fuel safe shrink butt connector (x2)
- 1cc Super-Lube

9-109 Application Specific Notes

- This kit requires the use of the DW300c fuel pump for proper fitment.

Prior to the installation of this DeatschWerks fuel pump kit, you must read and understand these instructions completely.

Application specific installation instructions available on the DeatschWerks website: http://www.deatschwerks.com/pump-installation-guides

General Information and Requirements

- Only trained personnel who have a thorough knowledge of automotive fuel systems, the proper tools and an appropriate workspace should perform these procedures to the vehicle's fuel system.
- Contamination is the primary cause of premature fuel pump failure. Therefore, in order to maintain the DeatschWerks warranty, it is necessary to install a new fuel pump pre-filter (sock).
- It is highly recommended to replace all other fuel filters in the vehicle's fuel system. Follow the vehicle manufacturer's recommended procedures and safety precautions to replace these fuel filters.
- This fuel pump is designed for electronic fuel injection only. It will not work with carbureted fuel systems.
- In compliance with EPA regulations, DeatschWerks designs, manufactures, and sells its products exclusively for non-road vehicles that are used solely for competition. It is the responsibility of the end user to comply with local and state regulations.

Required Tools

Safety Goggles
ABC multipurpose dry chemical fire extinguisher
Gasoline resistant gloves
OSHA approved gasoline transfer pump
Assorted hand tools
OSHA approved gasoline storage container

Safety Precautions

- Mixtures of gasoline and air can result in combustion when exposed to an ignition source. Maintain a suitable work environment for gasoline fuel system repairs to reduce the chance for combustion.
- Always wear safety goggles and avoid skin contact with gasoline.
- Never perform the fuel pump replacement procedures where fuel vapors may come in contact with an ignition source including static electricity.
- Always use OSHA approved gasoline storage containers.
- When performing fuel system repairs, always have a class ABC Multipurpose Dry Chemical fire extinguisher within easy reach at all times.
- Disconnect the ground cable from the vehicles battery before beginning
- It is impossible to anticipate all possible risks. Therefore, you are encouraged to carefully evaluate the hazards involved in such a procedure and take whatever further precautions may be necessary.

Note

Always use the original fuel pump assembly to determine which components to use and in what orientation. The fitment kit may include some extra components which can be discarded when the installation has been completed successfully.

Procedures

Please note that the following procedures are generalized and may not be specific to your application. Be sure to refer to the application specific notes that appear in the first section of this instruction manual.

1. Relieve fuel pressure in the system - The fuel system may be under pressure. Opening a fuel system under pressure may allow fuel and fuel vapor to reach a possible ignition source or come in contact with you. Follow the vehicle manufacturer's recommended procedures and all vehicle manufacturer's safety precautions to relieve pressure in the fuel system. Be sure that pressure has been relieved from the delivery side of the fuel system as well as the return side as recommended by the vehicle manufacturer. Opening even a slightly pressurized fuel system may allow fuel to spray, creating a high risk of combustion or allowing fuel and fuel vapor to come in contact with you. It may not be possible to relieve fuel pressure completely. When opening the fuel system, always take precautions to reduce the chance of fuel or fuel vapor reaching a possible ignition source or coming in contact with you.

2. Locate the fuel pump assembly - Refer to the vehicle manufacturer's service manual to locate the access point for the fuel pump assembly. If the fuel tank must be removed, follow the vehicle manufacturers recommended procedures and all vehicle manufacturers safety precautions. If fuel must be removed from the fuel tank, be sure to use an OSHA approved transfer pump for gasoline and an OSHA approved gasoline storage container. Conduct all activities and store the fuel in a well ventilated area and away from any possible ignition source, i.e. flames, sparks, static electricity, smoking, etc.

3. Disconnect the electrical connections - Disconnect the wire harness connectors at the fuel pump assembly. If the wire ends do not terminate in a keyed connector, mark the wires and fuel pump assembly wire terminals to help re-install the wires with the proper polarity.

4. Disconnect the fuel line connections - Slowly loosen and remove the hose clamps from any rubber fuel lines connected to the fuel pump assembly. Slowly remove the rubber fuel lines being careful not to damage them. If the rubber fuel lines are damaged, replace them with appropriate new ones.

5. Remove the fuel pump assembly from the fuel tank. - Follow the vehicle manufacturers recommended procedures and all vehicle manufacturer's safety precautions to remove the fuel pump assembly. Be careful not to damage any part of the fuel pump assembly during removal. A damaged unit, float, sender, hanger, etc. may prevent the fuel system from operating properly and may interfere with safe operation of the vehicle.

6. Remove the fuel pump from the fuel pump assembly - Drain fuel from the fuel pump assembly into an OSHA approved gasoline storage container. Note the orientation of the fuel pump, fuel pump filter and hanger assembly to help install the components with the correct orientation during assembly. If the fuel pump is coupled to the fuel delivery tube by a coupling hose, measure and record the original hose length. Then cut the hose between the fuel pump outlet port and the fuel delivery tube. Disconnect any removable ties, straps or bands holding the fuel pump hanger together. Remove the fuel pump from the hanger at the isolator. It may be necessary to first remove the filter before the pump can be separated from the hanger. Disconnect the wire harness connection(s) from the fuel pump. If the wire ends do not terminate in a keyed connector, or the original connector does not fit the replacement fuel pump, mark the wires and fuel pump assembly wire terminals to help splice the wires with proper polarity to the pigtail harness provided in the kit. Remove and discard hose clamp from the fuel pump assembly's fuel delivery tube on units with a hose type coupling. Remove and discard the old hose from the fuel delivery tube.

7. Install the fuel pump into the fuel pump assembly - Cut the new coupling hose, if used, to the length recorded previously. Install the new coupling hose and new hose clamps. If the original pump used an o-ring type or grommet type coupler, make sure to install the appropriate components to the fuel pump outlet port and not the coupling hose and hose clamps. Position the new fuel pump filter onto the fuel pumps inlet port. Make sure the fuel pump filter is oriented correctly onto the inlet port and the fuel pump filters locating pin. Secure the fuel pump filter into position with the included spring clip. Reinstall the isolator. Some applications will require the isolator to be installed into the hanger first. Connect the fuel pump to the coupler and hanger. Tighten hose clamps when used. Secure any ties, straps or bands holding the fuel pump and hanger together. Connect the wire harness connector to the fuel pump. Caution: Reconnecting the wire harness connectors with the wrong polarity will cause the pump to run backwards.

8. Install the fuel pump assembly - Follow the vehicle manufacturers recommended procedures and all vehicle manufacturers safety precautions to install the fuel pump assembly into the fuel tank. Connect the fuel lines to the fuel pump assembly**.** Fasten all rubber fuel lines correctly to the fuel pump assembly. Connect the wire harness connections at the fuel pump assembly.

9. Completion and testing - Connect the Battery (-) terminal. Prime the fuel system without starting the vehicle and inspect the fuel system for leaks. Repair all sources of leaks and re-inspect. Start the vehicle and inspect the fuel system for leaks. With the vehicle turned off, repair all sources of leaks and re-inspect.