

# INSTALLATION MANUAL

## RK-1002



### **ACCESSORY:**

Relocation Kit  
DDRP 02

Dodge Cummins 1998.5 - 2002

**FASS**<sup>®</sup>  
Diesel Fuel Systems

ENGINEERED EXCELLENCE

# CONTENTS



FL-1001 x14'



FB-4001



WE-1007



FF-3270



HC-1001



PL-1003



DIPF-1001



QD-1001



Self Tapping Screw

## BEFORE YOU GET STARTED

1. The contents of this kit were designed to be used in conjunction with the parts in the DDRP 02 kit.
2. Using the manual that came with your DDRP is recommended. Visit [FASSride.com](http://FASSride.com) to download the manual or call FASS Technical Support for further assistance.
3. The DDRP may be relocated anywhere between the stock location and the tank. Although this installation manual shows the pump located on the inside of the frame, you may also choose to locate the pump outside the frame, on a cross member, bed mount, etc.

**Note: Use of a container to catch leaking fuel is highly recommended.**

## Step 1: Removal of Stock Components

1. Disconnect fuel line going to factory pump by pinching in green tabs on the inlet fitting. Remove banjo bolt from inlet port of factory pump. Keep bolt for use later. Factory bracket assembly can be discarded.



**Note: Your filter housing may have a top or side inlet port.**

2. Remove banjo bolt from top or side of factory filter housing. Keep bolt for later use.
3. Unplug the factory plug, unbolt factory fuel pump with outlet factory fuel line attached and remove.

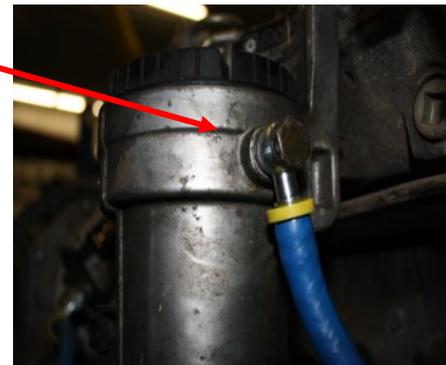


4. Install DIPF-1001 to the inlet port of the filter housing. Torque to 18 ft/lbs.



**Side Inlet Port**

**Top Inlet Port**



## Step 2: Installation

1. Find a new location for the pump and clean the area. You may have to temporarily move existing wire loom.

**Note: The following photos will show the installation located between the fuel tank and the transfer case on the inside frame rail. Make sure your location can be drilled and the pump/bracket assy fits.**



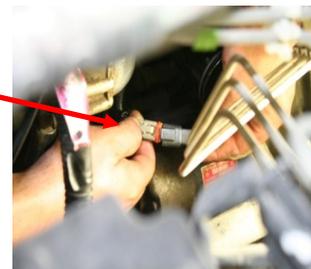
2. Install PL-1003 90° fitting into the new fuel line using oil on fitting and inside line.



3. Attach PL-1003 to DIPF-1001 installed on side or top of filter housing. Torque to 18ft/lbs.



4. Connect WE-1007 Wiring Harness to factory lift pump connection. Route fuel line and harness along frame to new location of pump.



5. Using the BR-4001 Mounting Bracket as a guide, drill one self-tapping screw through bracket to hold in place. Install two remaining screws.



6. Install pump on bracket using 3- 5/16” Hex bolts. Torque to 18 ft/lbs. Make sure the weep hole is facing down, bracket up.



7. Once proper length of fuel line is established, cut, and insert BF-4001 banjo fitting using oil. Attach line to the outlet port of the pump using factory banjo bolt and supplied copper washers. Torque to 18 ft/lbs.

Note sequence: bolt, washer, banjo fitting, washer.



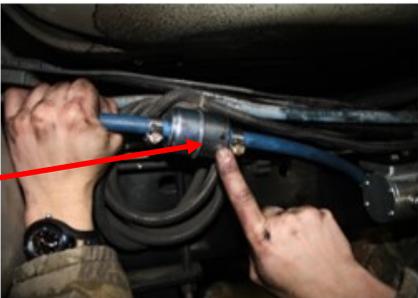
8. Insert the other BF-4001 into remaining fuel line using oil. Attach to inlet port on pump using factory banjo bolt and 2 copper washers. Torque to 18 ft/lbs.



9. Route line back to fuel sending unit in tank. After acquiring proper length, cut and attach QD-1001 Quick Disconnect using HC-1001 clamp. Tighten. Remove OEM suction line by pinching in green tabs. The green clip will need to be removed. Lube o-rings inside the QD-1001 and attach to the suction port of the OEM fuel sending unit.



10. In a serviceable location between the pump and the tank, cut line and install 3/8' in-line fuel filter. Make sure the direction of flow is correct, as seen in photo.



11. Plug in WE-1007 to pump. Make sure wire coming out of pump is not bent at a severe angle and secure.



12. Use Zip-Ties or similar fasteners to tie up fuel line and wiring harness.



### **Step 3: Final Check**

1. Bolts and fasteners properly tightened?
2. Electrical Harness and Fuel Lines secured and/or properly tightened? Unused stock fuel lines should be blown out and capped.
3. Prime the fuel system!
  - a. Turn the key to the point that it barely turns the engine over (this will allow the pump to cycle longer). This may need to be repeated several times. If so, perform this function before the pump shuts off.
  - b. While the pump is running loosen the 90 degree fitting on the filter housing until fuel is present and then retighten.
4. Check for leaks.
5. Start the engine!
6. Recheck all fluid connections and filters for leaks.