

## 1998.5 - 2007 Dodge Ram 5.9L Cummins Fuel Pressure Big Line Kit

We recommend wearing safety glasses and gloves during this installation.

1. Disconnect the negative battery cable from each battery.
2. Have a drain pan ready and drain the fuel filter housing by releasing the yellow drain valve. Once the fuel has been fully drained from the filter, you can close the yellow drain valve.
3. Using a 17mm socket wrench, remove the banjo bolt and crush washers from the bottom of the fuel filter housing. You may want to use a drain pan to catch any fuel leaking from the fuel filter housing.
4. Using a 17mm socket wrench, remove the banjo bolt and crush washers from the CP3 injection pump and remove the entire fuel line from the engine.
5. Install the stainless steel connector with O-ring into the CP3 injection pump inlet. **Note:** Lubricate the O-ring with oil and tighten using a 17mm wrench.
6. Install the stainless steel connector with O-ring onto the bottom of the fuel filter housing. **Note:** Lubricate the O-ring with oil and tighten using a 17mm wrench.
7. Next, cut the new rubber fuel line to match the length of the factory fuel line using hose cutters.
8. Thread one of the 90 degree fittings onto the stainless steel connector on the bottom of the fuel filter housing, as well as the other fitting onto the stainless steel connector at the CP3 injection pump. Tighten both fittings using an 18mm wrench.
9. Lubricate the ends of the rubber fuel line. Install the rubber fuel hose onto the 90 degree barbed fittings brass push on connector on the fuel filter housing and press firmly until fully seated.
10. Use the included T-fitting to install the 1/8-27 NPT fuel pressure sensor. You can install the T-fitting anywhere on the rubber fuel line. Cut the rubber fuel line, insert the hose clamps over the cut ends of the rubber fuel line and install the T-fitting in the two cut ends. Secure the T-fitting to the line using hose clamps. **Note:** Lubricate both ends of the T-fitting and press the hose firmly until fully seated.
11. Install the fuel pressure sensor into the T-fitting. Use Teflon tape or thread sealant on the threads.
12. Now that the big line kit is fully installed to the truck, you can reconnect the negative cable to each battery.
13. Prime the fuel system by bumping the starter 3-5 times, but do not allow the truck to start. This process will purge all of the air that is present in the fuel system.
14. Start the engine and verify sufficient fuel pressure. Also, ensure all of the connections within the big line are secure with no leaks and clear of all moving parts.