



2017-2021 L5P Duramax Fuel Filter Housing Kit

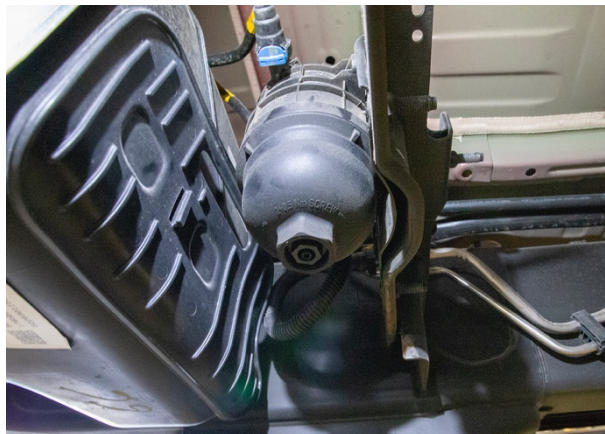
Covers installation of PN: WCF100361, WCF100362



1. Disconnect the vehicle batteries.
2. Locate the OEM fuel filter base.

For 2017-2019 trucks, it is located on the driver side frame rail directly in front of the fuel tank.

For 2020-2021 trucks, it is located on the driver side frame rail in front of the fuel tank and behind the DEF tank.



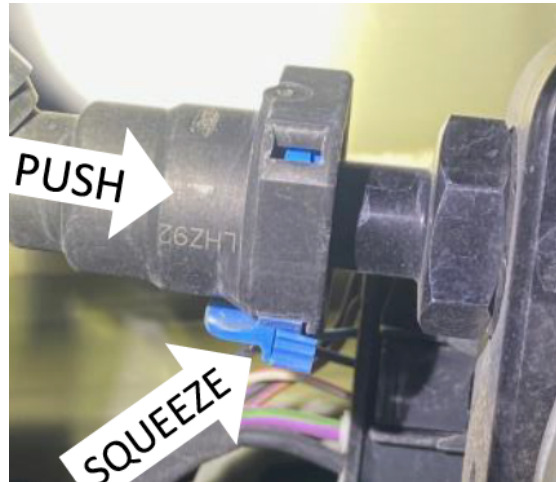
3. Place a pan or a container below the OEM fuel filter.
For 2017-2019, use an 18mm socket to loosen the water in fuel sensor.
For 2020-2021, use a T40 to loosen the water in fuel sensor.
Drain the fuel/water from the OEM filter.



4. With the pan or container still under the filter, disconnect both quick disconnect fittings from the OEM filter base.



To unseat the blue locking tab, FIRST push the body of the connector toward the filter housing to release pressure on the locking tab. SECOND, squeeze either side of the top of the blue locking tab. With the tabs squeezed, the quick disconnect can be pulled from the housing.



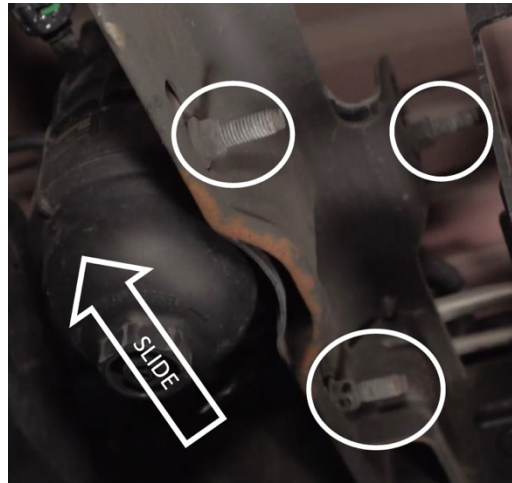
To unseat the white locking tab, FIRST release the locking tab on either side of the connector body. SECOND, gently lift or pry it upward to release.



NOTE: If you break the locking tab, NAPA Part Number 730-7380 is a suitable replacement.

Disconnect the electrical connector from the fuel heater.

- Loosen, but do not remove the 3 retaining nuts.
For 2017-2019, use a 15 mm ratcheting wrench or deep well socket.
For 2020-2021, you will have to access these nuts through holes in the driver's side of the frame from outside the frame.
Once they are loose, the OEM filter base assembly can slide towards the center of the vehicle and then be removed.



- Remove the 3 cap screws securing the fuel heater to the OEM filter base using a T30 torx bit.
Discard the OEM cap screws.
Using a small flat head screwdriver, carefully pry between the base and the heater to unseat the heater from the base.



Remove and discard the OEM O-rings on the fuel heater. Install the new O-rings included with the kit and lubricate the O-rings with assembly lube or clean diesel fuel. Using the new hardware supplied in the kit, reinstall the heater on the new WCFab filter base. It can only be installed one way.

Install the 2 supplied AN fittings to the WCFab filter base using a 22 mm wrench. These fittings need to be tight, but do not overtighten.



If you are planning on using the pressure sensor port on the filter base, remove the plug and install the sensor now. If you are not planning on using a pressure sensor, make sure the supplied plug is installed (item #5). **Use thread sealant on the plug to prevent leaks.**

7. Using a 13 mm wrench or socket, remove the 2 cap screws that secure the OEM filter base to the mounting bracket. Transfer the OEM mounting bracket to the new WCFab filter base, reusing the OEM hardware.



8. Install the new WCFab filter base and mounting bracket onto the vehicle in the OEM location. Slide the assembly over into the slots. Secure the 3 nuts and make sure they are tight.

Make the electrical connection.

Reconnect the fuel lines and make sure the locking tabs are engaged.

Install the new Donaldson spin on filter.



9. Re-connect the vehicle batteries.
10. Prime the fuel system by turning the key (or cycling the start button to "RUN" without your foot on the brake) to "RUN" (not "START"). This will turn the lift pump on. Let the lift pump run for 10-15 seconds or until it turns off. Repeat this process 3-4 times to prime the system. Start the truck (it may crank a little longer than usual before starting). Check for leaks.

Any Questions, Comments, or Feedback?

Reach us by Email - Sales@wcfab.com

Or the shop phone - 630-277-8239

Thank you for purchasing from Wehrli Custom Fabrication!