

Riffraff Diesel 7.3L Max-Flow 4-Line Fuel Feed Kit 94-03

INSTALLATION INSTRUCTIONS



IMPORTANT: Before starting installation, please be sure that all items which were supplied with the kit are accounted for.

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Buyer affirms products purchased are engineered to increase automotive performance and are used at buyer's own risk and accepts full responsibility.

INSTRUCTIONS

- 1 Disconnect the negative cable from both batteries.
- 2 Remove the Powerstroke engine cover (If installed).
- 3 Remove the clamps and boots from the CAC hot and cold side tubes.
- 4 Drain the fuel bowl by placing a 3/8" hose over the fuel drain tube. Open the fuel bowl drain and allow the fuel to drain.
- 5 Remove the (4) fuel lines from the fuel bowl. Remove the (2) 1/4" lines on the passenger side with a 9/16" wrench. The return line and feed line are on the driver's side. The return line is removed with a 5/8" wrench and the feed line is removed with a 3/4" wrench. Slide the fuel drain tube hose adapter off the drain valve. (**fig. 1**, **fig. 2**)

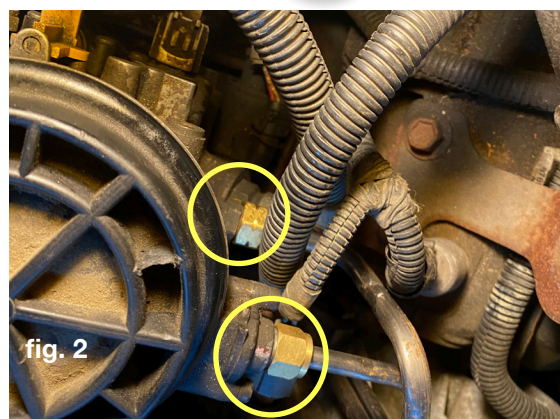
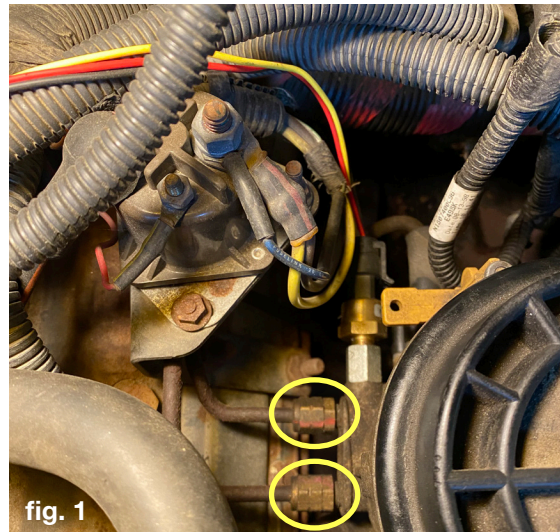
Included Parts:

Riffraff Diesel Max-Flow 4-Line Fuel Feed Kit: Part# RDP-MFD-4

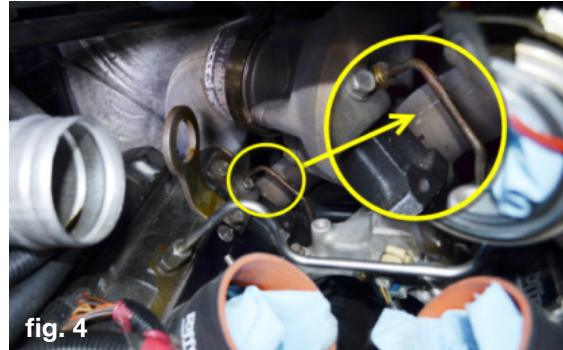
1. (1) 6061 Aluminum fuel feed block
2. (4) Stainless steel braided fuel lines
3. (4) Stainless steel fuel line fittings
4. (3) Stainless steel mounting hardware
5. (1) tube Gasoil® thread sealant

Recommended Parts:

1. Braided rubber lined flex hose kit: Part# RDP-11978R
2. Air/fuel separation system (such as AirDog or FASS)



- 6 Remove the (2) bolts for the fuel bowl located on the forward side of the HPOP Reservoir (**fig. 3**). If you have an FRx installed, disconnect the hoses from the heads.
- 7 Remove the fuel bowl from the engine.
- 8 Remove the turbo from the engine using the “99-03 7.3L Turbo Removal and Reinstall instructions” located at www.riffraddiesel.com/installation.
- 9 Disconnect the fuel feed lines from the front driver side head and rear passenger side head. Protect the open fuel rail connections from debris entry. (**fig. 4, fig. 5**)
- 10 Remove the fuel rail plugs from the rear driver side head and front passenger side head. Protect the open fuel rail connections from debris entry. (**fig. 6, fig. 7**)



- 11 Clean fluids and debris from the valley of the engine. Focus on the 4 small coplanar surfaces located between the openings of the intake plenums. The billet feed block will rest on these surfaces and fasten to the tapped holes at 3 of the 4 surfaces. (fig. 8)
- 12 Install the included fuel line fittings into the 4 fuel rail connections in the head. Install the straight fittings in the front holes and the angled fittings in the rear holes. (Rear Driver, fig. 9; Rear Passenger, fig. 10) Apply a small amount of Gasoila® sealant to the fitting threads prior to threading into the heads.
- 13 Prepare the billet feed block for installation by connecting the 4 included fuel lines to the outlet fittings on the feed block. The front of the feed block is the side that the fuel inlet points towards. Note the labels on the 4 feed lines, which denote which head location each line connects to; the rear lines will cross each other from the feed block to the heads.
- 14 Route the rear lines under the turbo pedestal, crossing the driver and passenger side lines. Connect the lines to the previously installed fuel line fittings in the heads.
- 15 Secure the billet feed block to the engine valley using the (3) included socket head bolts. The smaller bolt will be used in the rear hole. (fig. 11)
- 16 Connect the front fuel lines to the fuel line fittings in the heads.
- 17 Connect the feed block to the pump system of your choice. We recommend using the **Braided Rubber Lined Flex Hose Kit (RDP-11978R)** to connect your pump system to the feed block.
- 18 Reinstall the turbo using the **99-03 7.3L Turbo Removal and Reinstall instructions**.
- 19 Reconnect the negative cables to both batteries.
- 20 Follow the recommendations of your pump manufacturer to prime the fuel system.
- 21 Start the truck and inspect for fuel leaks.

