

DODGE Turbo Diesel Truck '98.5-'02, 24-Valve

Remember, safety first. The fuel line should be purged or drained to avoid fuel from spilling while performing the pump relocation. Do not use tools that could cause sparks or fire when working around or near fuel. Use eye protection when working underneath truck. Be sure the ignition is off, and secure the vehicle from rolling while working on or around the vehicle.

It is recommended that this installation be done with tank below 1/4 full and fuel line purged of fuel.

- Remove the banjo bolt from the fuel filter canister inlet.
- Remove the “in” and “out” banjo bolts at the lift pump.
- Remove the fuel line between the fuel filter inlet and the lift pump.
- Unplug the electrical lead to the lift pump.
- Remove the three 13mm nuts that hold the lift pump onto the bracket.
- Remove the lift pump from its stock location. Do not remove the pump bracket from the engine block as it seals off an opening.
- Install a supplied fitting in the fuel filter housing inlet using one of the supplied sealing washers. Tighten to no more than 18ft.-lbs. Do not to over tighten!
- Install the 7.5' piece of 3/8" fuel line to the fuel filter housing inlet.
- Secure the fuel line with a hose clamp and run the line down along the firewall making a nice smooth bend.
- Plug in the extended wiring harness and run it down along the firewall.
- Secure both the fuel line and the wiring harness with cable ties.
- Go underneath the truck and remove the bolts that secure the OEM fuel line clamps.
- Using a small tubing cutter, cut the stainless hard fuel line ahead of the tank. Do not cut right next to the tank. Leave about 6" of line to work with. Of course this step will depend on your chassis length and where you are mounting the pump. Be aware of fuel that may still be in the line. **Do not use any tool(s) that may cause spark or flame, and use eye protection while under the vehicle.**

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If you need more assistance, we are only a phone call away.

(770) 886-2500

Monday–Friday
8:30am–5:30pm EST

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This photo shows the Relocation Bracket being installed. The arrow points to the hard stainless steel fuel supply line that originates at the fuel tank. The line has been cut and will serve as the attachment location for the short (1.5" length) fuel line.

- Remove the stainless fuel line from this point forward.
- Mount your pump bracket on the truck's frame using one of the OEM bolts you removed earlier.
- There will be two more holes in the bracket. Mark the position of these holes on the frame and drill these points to use the self-tapping screws supplied with the kit.
- Place the new bracket over one of the existing holes (closest to the tank) and install the bolt with the return fuel line resting on top of the bracket. Use a short piece of fuel line split down the middle, and put it over the return line and brake line to protect it from rubbing on the bracket.
- Reinstall the other plastic clamps that hold the return fuel line to the frame.
- Mount your lift pump to the bracket and tighten all the bolts. Note: Some find it easier to mount the pump on the bracket before installing the bracket to the frame.
- Install the supplied fittings on either side of the pump using the supplied sealing washers. **Tighten fittings to no more than 18 ft.-lbs. Do not to over tighten!**



The Lift Pump is shown with the VULCAN fuel line fittings pre-installed.

- Use the 1.5' section of 3/8" fuel line and connect the hard line from the tank to the pump inlet (trim length as needed) and secure with clamp.

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The finished installation.

- Install the 7.5' section of fuel line to the outlet of the pump (trim length as needed) and secure with clamp.
- Connect the extended wiring harness to the pump and route the harness cable and the fuel line along the frame and up the firewall and secure with cable ties.

Prime system, bleed air and check for leaks. **Be sure all connections are secure before operating vehicle**

After the engine has run a while, turn off the engine, then secure vehicle. Recheck to be certain all lines, fittings, and connections are secure.