

## 1996-2000 GMC C/K Series Truck with VORTEC Engine

Take time to read all the literature that came with this kit. All Flexible nylon fuel kits can be installed into the factory clip and clamp location or you can use the new plastic ties that are provided in the kit.

1. **Removal:** Remove the fuse powering your fuel system. Depressurize your fuel system by opening the Schrader valve (consult repair manual for these instructions). Prepare to remove the fuel tank. If the tank is full you may want to consider draining it if it can be managed. You will then need to Remove fuel tank straps, Lower the fuel tank and unscrew the main and return fuel line at the sending unit. NOTE: these may be quick connect fittings. To remove the old lines from sending unit you will need a quick disconnect tool (Inline tube part number TLF10). Remove the vapor line, it will be clamped to a rubber hose or connect with a female quick connect. Do not pull existing lines, this may damage the connection points at the fuel sending unit. Remove the fuel tank. Working your way forward remove all existing fuel lines up to the fuel filter and engine. Replace the fuel filter utilizing the existing clips to mount the new filter.
2. **Main Fuel Line/Return:** Begin installation from the engine back. For a Vortec engine you will have to remove upper line assembly and install new lines then reinstall assembly. Start with the short line marked with green tape and threaded fittings on both ends. Route the line with the angled end at the motor and the straight end toward the filter. Make your connection at the motor to the larger port (short green) and connect the long line with blue tape on it(return line) to the smaller port. You may now reinstall the upper assembly but make sure they are tight before you do. Route the return and supply and use the factory clips as you go back and down toward the filter. Connect the straight end of the short green tube to the on the filter frame and you may also connect the second longer green line at the fuel filter at this time.
3. **Connect Vapor:** Connect vapor line with push to connect end at the Charcoal canister, route the line back utilizing the stock clips as before.
4. **Route the Lines:** utilizing the existing clips route the main/return/vapor lines back toward the tank.
5. **Trim/Connect Lines at Fuel Tank:** Take all lines and route them down the frame with excess line at the fuel tank side. The main fuel line (Marked with green tape) and the return fuel line (marked with blue tape) will have a female Fuel injection union that will attach to the existing fuel sending unit. You can use the supplied unions to trim the lines if need be. If your Vehicle has a quick connect female for the main and return fuel lines, please use the supplied whips (short line with push to connect on one end and no fitting on the other) to connect in this step. You have been supplied a union to shorten the line and connect this whip. This union is **ONE TIME USE** so connect to the whip only at this point. Now install the vapor line (marked with white tape) to the tank using the supplied rubber hose and clamp to connect to the sending unit, trimming any excess nylon if necessary.
6. **Reinstall the Tank:** Double check all connections, and don't forget to connect any electrical plugs. Put the tank back into place and reattach the straps. Go over all bolts to check torque and test the system for leaks.
7. Clean up the routing areas of lines – make sure the line is not rubbing on anything.
8. Apply the "**CAUTION FUEL LINE**" sticker so that future mechanics know that this is a fuel line.
9. Start the truck and check your work by looking for leaks before driving the vehicle.

### **IMPORTANT SAFETY INFORMATION**

- Never smoke in or near repair bays or garages. Vehicles contain flammable and combustible fluids which can easily be set on fire if they come into contact with fuel.
- Make sure to drain all fuel lines or any component that may have fuel in it that can come in contact with spark, heat or flame. Do not work on vehicle while running or after being run or while hot. Let vehicle cool down for a couple of hours before working on fuel lines.
- Keep work areas clean and organized. Pick up rags and tools to keep work area clear and free.
- Wear protective gear at all times, as appropriate for the repair. (Goggles, gloves, respirator, etc.)
- Make sure fire extinguishers are easily acceptable and appropriate for all potential fire types. In the event of a fire, extinguishers need to be accessed quickly.
- Always disconnect the battery when working on fuel systems.

- Never work underneath a vehicle unless it has been properly supported. Raising the vehicle off the ground to access the underside requires verifying it is stable.
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- Always remove the keys from the ignition switch. as the key can draw an electrical charge from the battery, there is a risk of electrical shock, and/or electrical spikes that may spark.
- Be aware of the vehicle's temperature before beginning any work. The engine, manifold, exhaust system, and radiator could be hot and can cause skin burns or fire.

**Please see our installation video for any questions you have on this or any of our other fuel line replacement kits at [inlinetube.com](http://inlinetube.com) under the support tab.**