

INSTALLATION INSTRUCTIONS

102154 Fuel Pump Wiring Upgrade – Corvette 2003-2006

this kit installs into your late model Corvette and is designed to overcome the losses associated with factory wiring to the fuel pump. Because of the heavy 12 gage feed, sealed relay and attachment to the output stud of the alternator, extra voltage and current become available to the fuel pump, increasing both fuel volume and pressure during WOT, when it's needed most.

Start at the rear of the properly supported vehicle. The wiring harness will attach to and follow the fuel and brake lines running from the rear of the car, forward toward the engine.

1. Disconnect battery negative terminal.
2. Locate bulkhead under the *properly supported* vehicle, at the gas tank location.
3. Remove retainer lock and unplug connector. Insert upgrade kit connectors between the free hanging connector and the bulkhead.
4. Select a suitable location to affix the relay. Use a 1/8 inch drill bit for a starter hole.
5. Affix the relay to the sheet metal using the supplied mounting screw.
6. Route the harness forward towards the alternator, using supplied cable ties to attach the harness to the brake and fuel lines running forward toward the engine.
7. Locate the alternator and remove the boot at the output stud and remove the hex nut securing the wiring to the stud. Attach the ring terminal in the upgrade kit onto the alternator stud, then re-install the hex nut and boot. **NOTE: DO NOT OVERTIGHTEN THE HEX NUT AS DAMAGE TO THE ALTERNATOR MAY RESULT!**
8. Be sure all wiring is secured and not against any sharp edges, hot surfaces or moving parts. Reattach the battery cable and test the system for proper operation.
9. If a secondary in-line fuel pump is required, the additional connector and pigtail are included in this kit and can be easily installed. Remove the block-off connector for this application.



The relay in this kit is a sealed 30 amp unit and does not require additional waterproofing or sealant. The 30 amp fuse in the fuse holder is also sealed and requires no additional sealant. If replacement for either item is required, fuse is a common automotive blade fuse and the relay is available by calling Caspers at 847 247-0484.