

INSTALLATION INSTRUCTIONS

102028 FUEL PUMP WIRING UPGRADE KIT

This kit is designed to install into your vehicle with no wire cutting or splicing. The relay switch of this kit is rated at 30 amps and will deliver full battery voltage to the fuel pump connector at the rear of the vehicle, with negligible voltage drop, using a 12 gage feeder line. *Some installations may be easier by starting at the REAR of the vehicle and running the wiring FORWARD towards the engine. This instruction sheet outlines the installation assuming you're starting in the front.*

1. Remove battery positive lug to prevent accidental short-circuit during installation.
2. Remove plastic cap surrounding output stud on the alternator. Remove 5mm hex nut.
3. Attach ring terminal onto this connection.
4. Fasten sealed fuse holder near the firewall, or optionally near the fan relays. There is a screw that attaches the fan relay bracket, which can be used to mount the fuse holder.
5. Run the jacketed wire down and along the brake lines and fuel lines (**Fig. 3**) to the rear of the vehicle. Use the cable ties supplied to secure the wire to the forward-running steel lines.
6. Unplug the fuel tank connector. Insert the male/female assembly in-between the tank connections.

Since this kit contains sealed relay and connectors, it is not necessary to grease the terminal connections. If relay replacement is necessary, contact Caspers at 847 247-0484.

7. Secure the relay assembly to the rear bumper support (**Fig. 1**) as shown.
8. Insert the ground strap onto a clean portion of the gas tank (**Fig. 2**) and use the screw provided to attach the other end of the ground strap to the frame. Use a 1/8" drill bit to drill a pilot hole for the screw. **DO NOT DRILL INTO THE GAS TANK! DRILL ONLY INTO THE FRAME!** Be sure the ground strap is secure.
9. Double-check your work; then re-attach the battery cable. Your conversion is complete. The factory fuel pump relay powers the auxiliary relay, which provides a low-loss voltage to the fuel pump. The ground strap completes the low-loss connection.

**BE SURE TO RESET YOUR FUEL PRESSURE REGULATOR.
INCREASED VOLTAGE TO THE PUMP WILL RAISE BASE FUEL PRESSURE**

