

Torque Solution HD Wiring Kit: Weatherproof DIY Fuel Pump Hardwire Kit

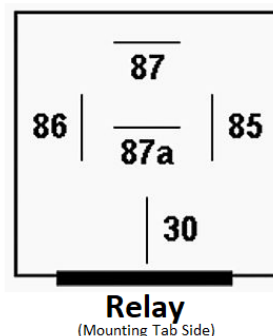
Product Code: TS-FP-HWK

Basic Install Instructions

The Weatherproof DIY Fuel Pump Hardwire Kit is intended to be used as 1 kit per fuel pump. Several fuel pumps can be installed as long as you are using 1 hardwire kit per pump.

The following tools will be needed for installation:

- Wire cutters
- Wire stripper
- Crimp tool
- Pick
- Heat gun



**These instructions describe how to wire a single pump. Dual pumps will be similar but will depend on how you have the additional pumps activated, such as using ecu trigger, hobbs or rpm switch. Certain vehicles have primary and secondary fuel pump triggers.

Professional installation is highly recommended.

Guide on how to use a Posi-Tap wiretap: <https://www.posi-products.com/instructions1.html>

Guide on how to use Crimp Less Solder Heat Shrink Butt Connectors:

<https://www.youtube.com/watch?v=lmfiOJjRwRk>

1. Before starting any electrical work on your vehicle, it is recommended you disconnect the negative battery terminal.
2. Prep the weatherproof relay harness connector by either depinning (recommended) the center 87A terminal or using the supplied 10-12AWG crimp cap to cap it off as this relay terminal will not be used.
3. We recommend relay terminal 86 (blue wire) be used as the 12V+ trigger/switched signal input. We supply a 12-18AWG Quick-Connect Posi-Tap connector to be able to cleanly tap into your vehicles wiring. (To locate your vehicles ECU pump trigger please refer to a wiring guide specific to your vehicle.)
4. Time to prep the fuse holder for install. The fuse holder has an optional mounting tab that will fit on a M6 bolt location. Choose the side of the fuse lead you would like to connect to the battery's positive terminal and crimp 1 of the supplied crimp/heat shrink 10AWG 1/4" Stud Ring Terminals to the fuse lead. Once crimped use the heat gun to shrink the crimps heat shrink to the wire. Mount the ring terminal to the battery's positive terminal.
5. Time to run the red positive wire from the fuse to the relay. Connect the red 10AWG wire to the other side of the fuse using a supplied Crimp-Less solder Heat Shrink Butt Connector. (Locate a safe place to run the wire through the firewall on the same side as the battery. We recommend running through an

existing rubber grommet or boot. If you run it through an existing wire boot, be careful not to damage anything that is currently running through that boot.

**** WARNING: Do not run the wire through a bare metal opening or through the door jambs, as doing so is a fire hazard and you risk severely damaging your vehicle. ****

6. Once the red 10AWG wire is ran to the relay connect it to the wire in position 30 on the weatherproof relay harness using a supplied Crimp-Less solder Heat Shrink Butt Connector.
7. Attach the wire in position 87 on the weatherproof relay harness to the Fuel Pump (+) positive side by using a supplied Crimp-Less solder Heat Shrink Butt Connector or crimp/heat shrink 10AWG 1/4" Stud Ring Terminal.
8. Find a good ground location. We recommend using a bare metal chassis surface. Attach 1 of the 2 sizes of crimp/heat shrink 10AWG Stud Ring Terminal to the black wire in position 85 on the weatherproof relay harness. Pick the ring terminal size that best suits the ground location and secure the ground in place.
9. We highly recommend wire loom sleeve (not included) on all wiring to protect from damage. Go over the install and make sure wiring will not be damaged from any moving parts.
10. Install the supplied LED 25A fuse into the fuse holder.
11. Reattach the negative battery terminal.
12. Turn the key to the on position without turning over the motor. If the install was properly completed, you should here the fuel pump prime itself.
13. Enjoy!!