



AEROMOTIVE Part # 16301 INSTALLATION INSTRUCTIONS

CAUTION:

Installation of this product requires detailed knowledge of automotive systems and repair procedures. We recommend that this installation be carried out by a qualified automotive technician.

Installation of this product requires working around gasoline. Ensure you are working in a well ventilated area with an approved fire extinguisher nearby. Extinguish all open flames, prohibit smoking and eliminate all sources of ignition in the area of the vehicle before proceeding with the installation.

When installing this product, wear eye goggles and other safety apparel as needed to protect yourself from debris and sprayed gasoline.

WARNING!

The fuel system is under pressure. Do not open [the fuel system](#) until the pressure has been relieved. Refer to the appropriate vehicle service manual for the procedure and precautions for relieving the fuel system pressure.

Aeromotive system components are not legal for sale or use on emission controlled motor vehicles.

Parts included in kit:

1ea 30 Amp 12 VDC Automotive Relay
1ea 30 Amp 12 VDC Circuit Breaker
2ea Blue Female Blade Connector
2ea Yellow Female Blade Connector
5ea Yellow Ring Connector for #10 Stud
1ea Yellow Ring Connector for 3/8" Stud
25ft 10ga. Red Wire
3ft 10ga. Black Wire
6ea 6 inch cable ties

Tools required for installation:

Electrical terminal crimping tool
3/8" Wrench

The following steps are typical of most installations:

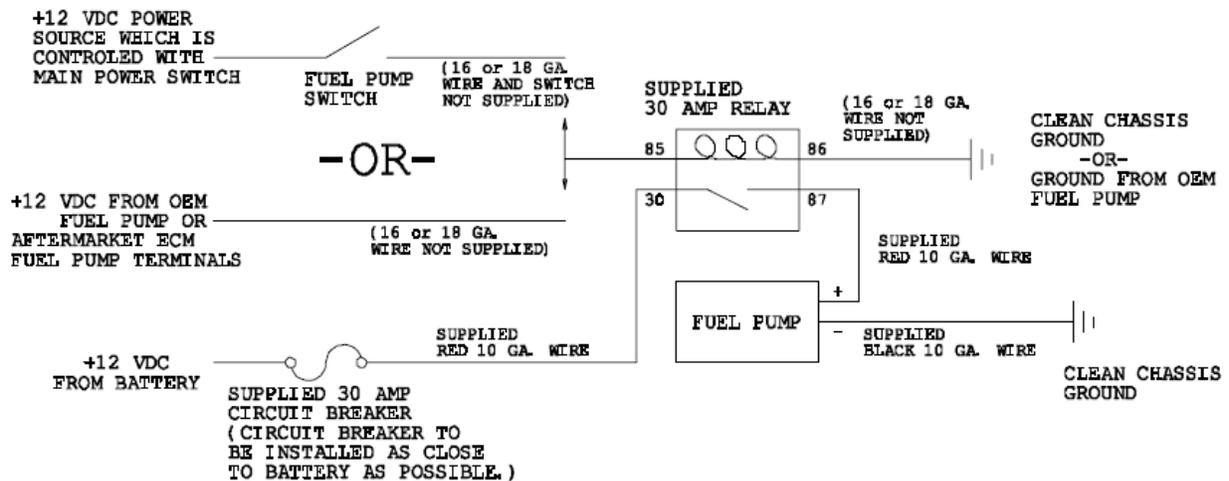
1. Once the engine has been allowed to cool, disconnect the negative battery cable.
2. Raise the vehicle and support it with jack stands.
3. Find a suitable place to mount the supplied relay. If this is an installation on an OEM vehicle the relay is typically mounted by the OEM fuel pump wiring connector (***Never mount the relay inside of the fuel tank or next to fuel tank vents!***). Insure the relay and any associated parts are clear of the exhaust, any moving suspension or drivetrain components and any possible road obstructions or debris.
4. Attach the OEM fuel pump wires, the aftermarket ECM fuel pump wires or your fuel pump switch wires to relay terminals 85 and 86 using two of the supplied blue female blade connectors (See Diagram Below).

Note: Be sure to route all electrical wires clear of any moving suspension or drivetrain components, and any exhaust components! Protect wires from abrasion and road obstructions or debris.

- Find a suitable location for mounting the supplied circuit breaker. For optimal circuit protection, the circuit breaker needs to be mounted as close to the battery as possible.
- Connect terminal number 30 on the relay to the circuit breaker by using the supplied red 10 ga. wire, one of the yellow female blade connectors on the relay end of the wire and one of the yellow #10 ring connectors on the circuit breaker side of the wire.

Note: Be sure to route all electrical wires clear of any moving suspension or drivetrain components and any exhaust components! Protect wires from abrasion and road obstructions or debris.

- Connect terminal number 87 on the relay to the positive terminal on the fuel pump. This is accomplished by using the supplied red 10 ga wire, one of the yellow female blade connectors on the relay side of the wire and one of the yellow #10 ring connectors (or appropriate connector for the installation) on the fuel pump side of the wire.
- Connect the negative terminal on the fuel pump to a clean chassis ground using the supplied black 10 ga wire and two yellow #10 ring connectors.
- Connect 12VDC to the circuit breaker using the supplied red wire and one of the yellow #10 ring connectors and the supplied yellow 3/8" ring connector.
- Ensure that electrical components and wires are connected properly (See Diagram Below) and are clear of any moving suspension or drivetrain components and any exhaust components! Protect wires from abrasion and road obstructions or debris.



- Carefully lower the car onto the ground and reconnect the negative battery terminal.
- Test the vehicle for proper fuel pump operation.