



AEROMOTIVE Part # 16307 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.

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 Yellow Insulated Butt Connector
2ea Yellow Ring Connector for #10 Stud
1ea Yellow Ring Connector for 3/8" Stud
18ft 10ga. [Fuel Pump Power/Ground Wire](#)
4ft 10ga. Red + Battery Wire
10ft 16ga. Red Trigger Wire
1ft 10ga. Black Ground Wire
12ea 6 inch cable ties
3ea Self-Drilling Screws

Tools required for installation:

Electrical terminal crimping tool
5/16" nut driver

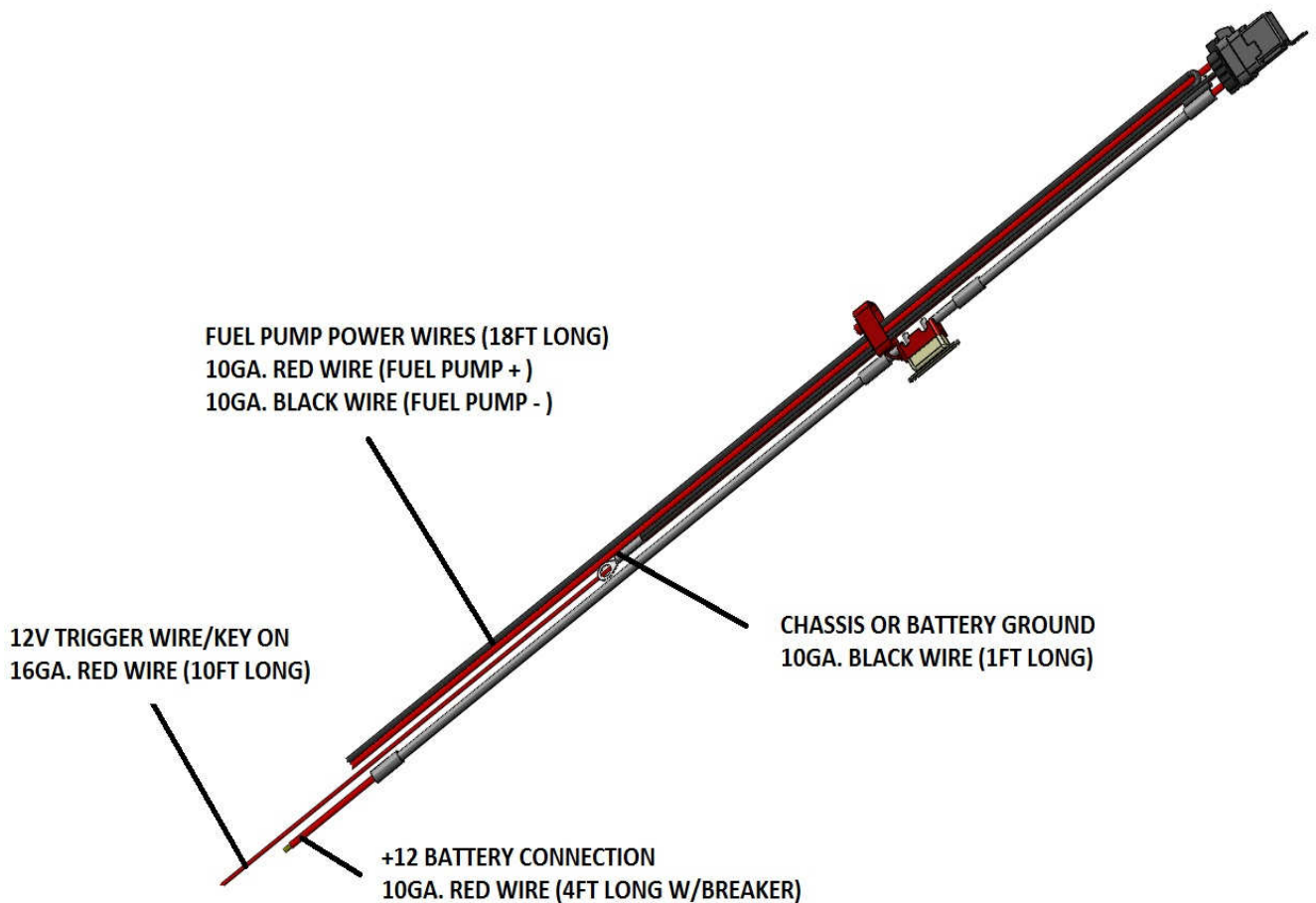
The following steps are typical of most installations:

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 in the engine bay or close to the battery. 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. Use the supplied self-drilling screw to mount the relay.
4. Attach a switched 12V+ supply to the 10ft., 16ga Red Tiger wire. If the vehicle was previously equipped with an electric fuel pump the original fuel pump power wire may be used to activate the new wiring kit. (See Diagram Below). This wire can be cut to length for a cleaner install. If the black sheathing is cut, wrap electrical tape or use heat shrink to keep it from fraying. **(10ft 16ga Red 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.

5. 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. Use the supplied self-drilling screws to mount the circuit breaker.

6. Connect the 10ga Red wire coming from the circuit breaker to the alternator output post or positive “+” side of the battery using 3/8” ring connector. Cut to length if desired. **(4ft Red 10ga wire w/circuit breaker)**
7. Connect the 10ga Black wire with the ring connector already attached to the negative side of the battery or chassis ground. **(1ft Black 10ga wire)**
8. Connect the 10ga Red and Black fuel pump power wires to your fuel pump. Cut wires to desired length. Use either the supplied yellow ring terminals or butt connectors to do this. Use the supplied tie-wraps to secure the wiring to the chassis. **(18ft Red/Black 10ga wire)**
9. 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.



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