



## AEROMOTIVE Part # 16313 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:

3ea 30 Amp 12 VDC Automotive Relay  
3ea 30 Amp 12 VDC Circuit Breaker  
6ea Yellow Insulated Butt Connector  
6ea Yellow Ring Connector for #10 Stud  
1ea Blue Ring Connector for 3/8" Stud  
18ft 10ga. Red Fuel Pump Power/Ground Wire  
18ft 10ga. Purple Fuel Pump Power/Ground Wire  
18ft 10ga. Gray Fuel Pump Power/Ground Wire  
5ft 6ga. To 10ga. Red + Power Wire  
10ft 16ga. Red Trigger Wire  
10ft 16ga. Purple Trigger Wire  
10ft 16ga. Gray Trigger Wire  
2ft 10ga. Black Ground Wire  
12ea 6 inch cable ties  
9ea Self-Drilling Screws

#### Tools required for installation:

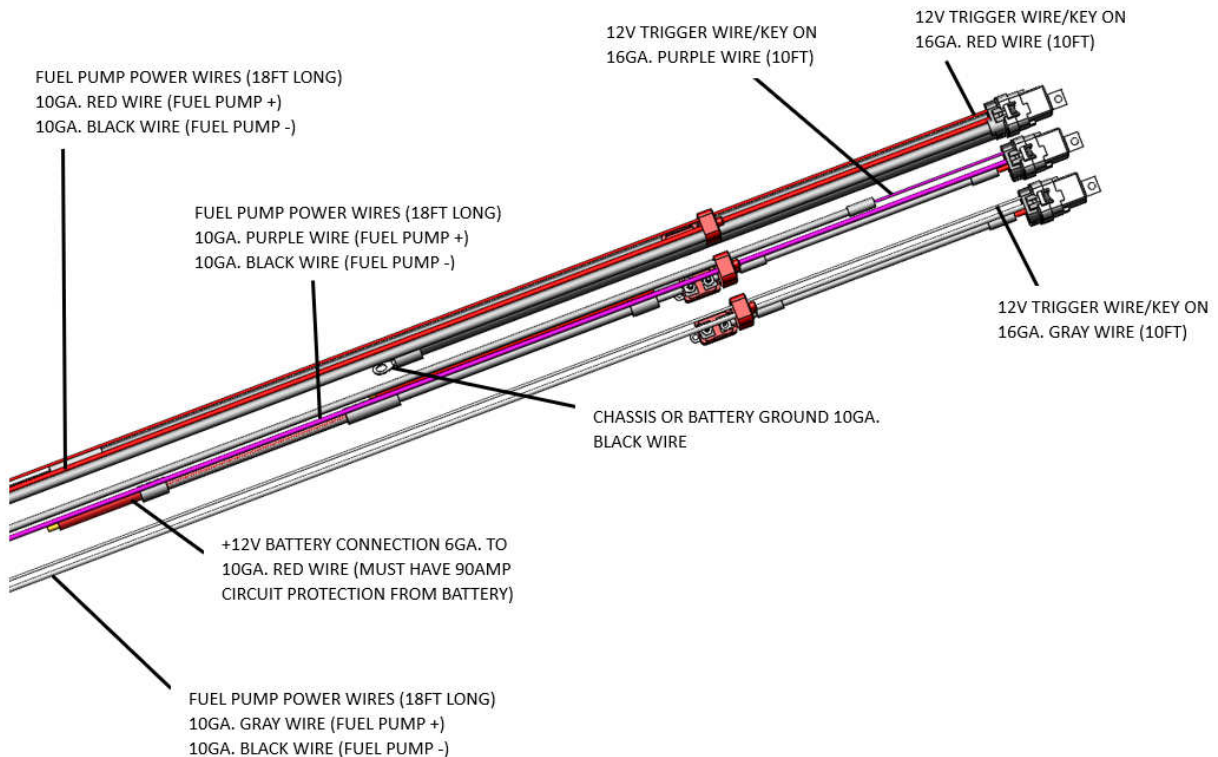
Electrical terminal crimping tool  
5/16" nut driver

#### 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!***). Ensure 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 trigger wire. Repeat for the purple and gray trigger wires. 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/ 10ft 16ga Purple wire/ 10ft 16ga Gray 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 breakers. For optimal circuit protection, the circuit breakers need to be mounted as close to the battery as possible. Use the supplied self-drilling screws to mount the circuit breaker.
6. Connect the 6ga to 10ga. Red wire coming from the circuit breaker (30amp per pump power cable) to **a 6ga. wire (not included) with a 90amp protective circuit** coming from the alternator output post or positive "+" side of the battery using 3/8" ring connector. Cut wires to desired length. **(2ft Red 6ga to 10ga wire w/circuit breaker)**
7. Connect the 6ga Black wire with the ring connector already attached to the negative side of the battery or chassis ground. **(5ft Black 6ga wire)**
8. Connect the 10ga Red and Black fuel pump power wires to fuel pump 1. Connect the 10ga Purple and Black fuel pump power wires to fuel pump 2. Connect the 10ga Gray and Black fuel pump power wires to fuel pump 3. 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 and 18ft Purple/Black 10ga wire and 18ft Gray/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.



**WARNING:** This product can expose you to chemicals, including chromium, which is known to the State of California to cause cancer or birth defects or other reproductive harm. For more information, visit: [www.p65Warnings.ca.gov](http://www.p65Warnings.ca.gov)

### ***AEROMOTIVE, INC. LIMITED WARRANTY***

This Aeromotive Product, with proof of purchase dated on or after January 1, 2003, is warranted to be free from defects in materials and workmanship for a period of one year from the original date of purchase. No warranty claim will be valid without authentic, dated proof of purchase.

This warranty is to the original retail purchaser and none other and is available directly from Aeromotive and not through any point of distribution or purchase.

If a defect is suspected, the retail purchaser must contact Aeromotive directly to discuss the problem, possible solutions and obtain a Return Goods Authorization (RGA), if deemed necessary by the company. Please call 913-647-7300 and dial option 3 for the technical service dept. All returns must be shipped freight pre-paid to the company and with valid RGA before they will be processed.

Aeromotive will examine any product returned with the proper authorization to determine if the failure resulted from a defect or from abuse, improper installation, misapplication or alteration. Aeromotive will then, at it's sole discretion, return, repair or replace the product.

If any Aeromotive product is determined defective, buyer's exclusive remedy is limited in value to the sale price of the good. In no event shall Aeromotive be liable for incidental or consequential damages.

Aeromotive expressly retains the right to make changes and improvements in any product it manufactures and sells at any time. These changes and improvements may be made without notice at any time and without any obligation to change the catalogs or printed materials.

Aeromotive expressly retains the right to discontinue at any time and without notice any Aeromotive product that it manufactures or sells.

This warranty is limited and expressly limits any implied warranty to one year from the date of the original retail purchase on all Aeromotive products.

No person, party or corporate entity other than Aeromotive shall have the right to: determine whether or not this Limited Warranty is applicable to any Aeromotive product, authorize any action whatsoever under the terms and conditions of this Limited Warranty, assume any obligation or liability of any nature whatsoever on behalf of Aeromotive under the terms and conditions of this Limited Warranty.

This Limited Warranty covers only the product itself and not the cost of installation or removal.

This Limited Warranty is in lieu of and expressly excludes any and all other warranties, expressed or implied. This Limited Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.