



American Autowire

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INSTALLATION INSTRUCTIONS

This wiring kit is designed for ease of installation. Please read the guidelines below, BEFORE STARTING YOUR INSTALLATION, to guarantee a successful job!

STEP 1: DISCONNECT YOUR BATTERY

Disconnect the battery before installing the wiring kit to prevent any accidental shorting caused by loose bare wire ends.

STEP 2: MOUNT YOUR PANEL

It is recommended that you mount your panel under the dash, in the kick panel, or under the front seat. The fuse panel can be found in bag 510488.

STEP 3: START INSTALLING KIT

This kit is broken down into individual steps that are identified by a letter printed on the instruction sheets visible through each bag. These letters are the order of operation for installing your kit. Start with the bag letter "A", then "B", etc. The order of installation is shown below.

A	510494	Ignition Switch and Starter Wiring Kit
B	510493	Alternator Connection Kit
C	510490	Headlight Switch Kit
D	510489	Steering Column / Turn Signal Connection Kit
E	510491	Gauge Connection Kit (Sending Unit Side)
F	510492	Accessory Connection Kit

STEP 4: RECONNECT YOUR BATTERY

When you have completed the installation and are ready to reconnect the battery, make sure that the following electrical system grounds are in place:

- A. Battery is grounded to the engine block.
- B. Battery is grounded to the frame.
- C. Engine block is grounded to the frame.
- D. Body is grounded to the frame.

STEP 5: CHECK ALL ELECTRICAL FUNCTIONS

Any non-functioning items should be checked for proper installation. Any problems with your wiring and electrical circuit functions should be addressed with American Autowire Systems, Inc. as soon as possible to avoid any warranty problems.

If you have any questions concerning this or any of our products, please feel free to call us at 1-800-482-WIRE.

"AMERICAN AUTOWIRE MAKES WIRING THAT EASY!"

**ALSO AVAILABLE FROM
AMERICAN AUTOWIRE**

HOOD & TRUNK LIGHTS
DOOR JAM SWITCHES
CUSTOM BATTERY CABLES
TERMINALS, CONNECTORS
GROMMETS, LIGHT SOCKETS
MASTER DISCONNECT SWITCHES
LED LIGHTS
GLOVE BOX LIGHT

**AND
MUCH MORE!**

OPTIONAL ACCESSORY KITS

Battery cables

Brake Switch

Brake Switch

Brake Switch

Brake Switch

Courtesy Light Kit

Universal 40 amp Relay Kit

Fan Temperature switch

Fan Temperature switch

Fan Temperature switch

Grounding kit - Full vehicle

Grounding / Splice kit

Heater Switch

L.E.D. indicator lights

Master Disconnect switch

Universal Relay Kit - Waterproof

Wiper Switch

Ground Strap

Ground Strap

11 Volt Warning Module

See page 4

p/n 500097

Button type, 2 blade contact to operate brake lights

p/n 500145

Button type, 4 blade contact to operate brake lights and cruise

p/n 500098

Lever type, water resistant

p/n 500240

Adjustable lever design, water resistant

p/n 500081

Under dash lighting harness complete with lamp sockets

p/n 500479

Complete kit wired with relay and fuse.

p/n 500493

On at 210 deg, off at 195 deg. Used with 500067 Fan relay kit.

p/n 500491

On at 195 deg, off at 180 deg. Used with 500067 Fan relay kit.

p/n 500492

On at 180 deg, off at 160 deg. Used with 500067 Fan relay kit.

p/n 500717

Complete vehicle grounding system customizable to any vehicle.

p/n 500544

Complete 12 to 1 splice kit for grounding or power connection.

p/n 500144

3 position heater switch

Amber, blue, green, and red in both 5/32" and 1/4" sizes.

p/n 500003

Master battery disconnect

p/n 500093

Use for any heavy duty application requiring a relay.

p/n 500146

Two speed switch for wiper.

p/n 500350

12" with 3/8" mounting holes

p/n 500656

18" with 3/8" mounting holes

p/n 510287

For use with one wire alternators using an indicator light.

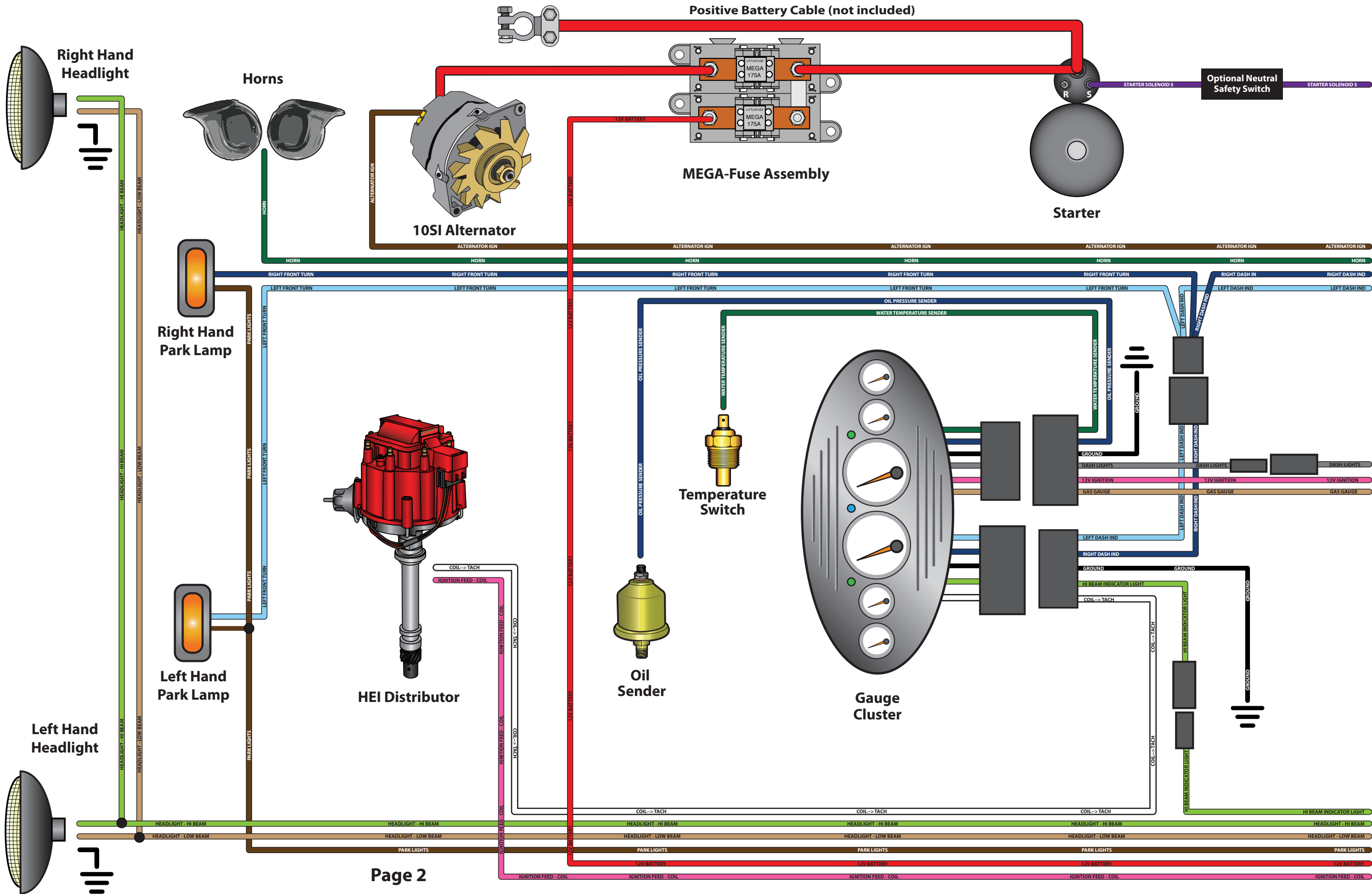
THIS KIT DOES NOT SUPPORT STOCK (ORIGINAL) GENERATORS. THE DESIGN OF THE KIT IS DESIGNED TO SUPPLY MORE POWER THAN THE GENERATOR IS ABLE TO SUPPLY.



Full Vehicle Schematic

510760

92972359 Instruction rev 0.0 03/25/2019 CAD





Additional Accessories



510643
Terminal Kit

We've included the most common terminals and connectors that will help you with troubleshooting, repairing, or replacing connections. All contents are compartmentalized in a durable case with a heavy duty latching closure. The inside of the lid has a diagram detailing the contents by image and description.



510451
Weather Pack Kit

This 429 piece weather pack kit provides you with plenty of connection options that will help you with troubleshooting, repairing, or replacing connections. All contents are compartmentalized in a durable case with a heavy duty latching closure. The inside of the lid has a diagram detailing the contents by image and description.



500834
Remote Master Disconnect Switch

Control your battery disconnect with a small remote mounted switch. Can be used with remote control modules. SPST latching solenoid with two 5/16" studs. Rated at 110 amps continuous.



510587
Wire Crimpers

The single crimper is used for wire sizes ranging from 14 to 20 gauge, and the double crimper is used for sizes from 10 to 18 gauge, or terminals receiving a two wire connection.



510287
Volt Module

The 11 volt module can be used to trigger an in-dash warning light when charging system voltage drops below 11 volts. This makes it the perfect solution to control a dash indicator light when installing a one-wire alternator, or simply as a piece of mind in addition to a voltmeter.



500097
Brake Switch

Pedal mounted brake switch. Universal fit. Comes complete with connectors and terminals. Many different styles available in our catalog.



500081
Courtesy Kit

For connecting two under dash lamps to headlight switch & door switches. Has sockets w/ mounting brackets & terminals for bullet, blade, or screw type door switches.



500350 - 12"
500656 - 18"
Ground Straps

Medium duty ground straps are 100% tinned copper. Both sizes have a 3/8" hole on both ends.



500717
All Copper Grounding Kit

Copper Grounding Kit eliminates the frame rail as a conductor by using three grounding boxes connected by 6 gauge copper cables. The ground "loop" attaches to your existing negative battery cable to make for a solid, continuous connection. Includes 20 coils of pre-labeled wire, terminal lugs and a 6 gauge crimping tool.