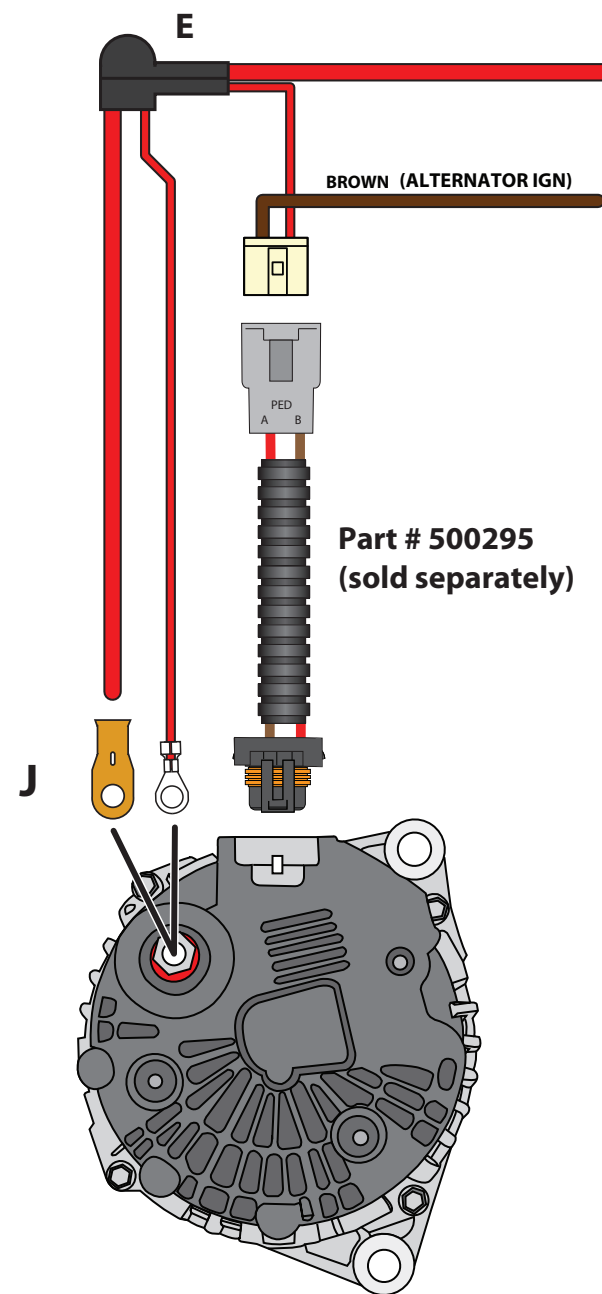
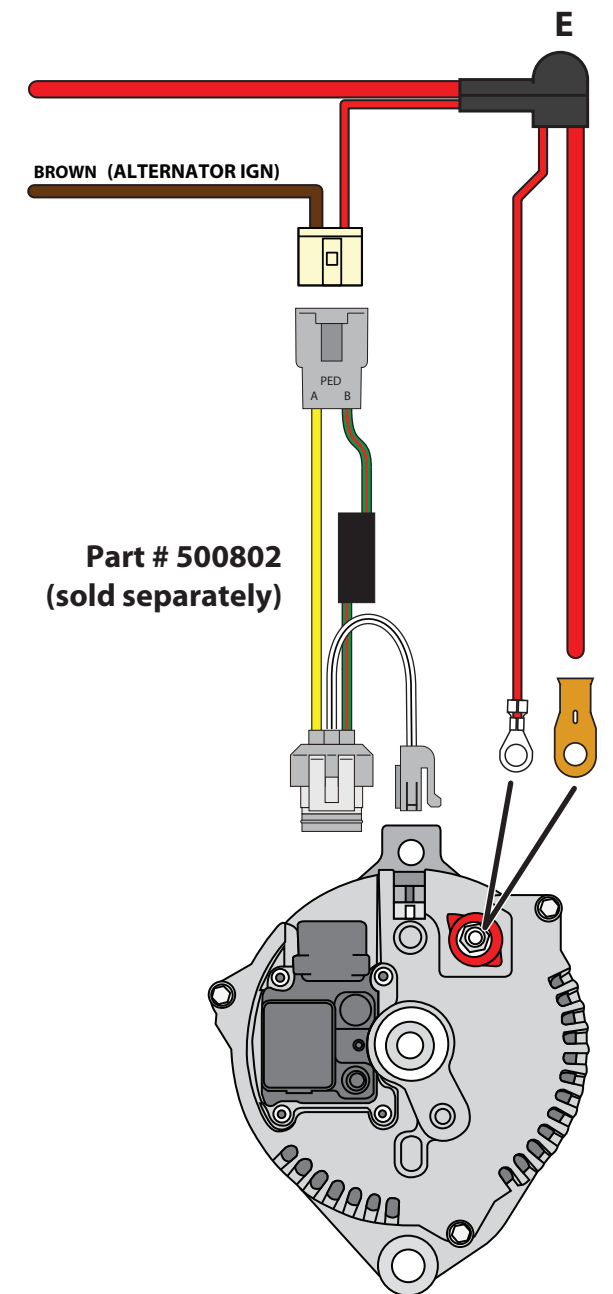


**GM CS130, CS144 Alternator
1986 - 1999**



**GM CS130-D Alternator
1994 - Beyond**



**Ford 3G Alternator
1994 - 2000**

Common alternator connections



INSTALLATION OF POWER WIRE - ALL ALTERNATORS

1. Install rubber boot (E) on to the 6 gauge red wire from the 510476 kit as shown below in **DETAIL A**.
2. After passing the wire through the boot, crimp terminal J onto the 6 gauge red wire and connect it to the alternator "BAT" stud.
3. Route the other end of this wire to the FUSED SIDE of the MEGA-FUSE and cut to length. The MEGA-FUSE connector is meant to be installed in line (as shown in the diagram) between the alternator and the battery source.
4. Connect the red wire to the supplied MEGA-FUSE connector using shrink tube "F" and terminal "H" as shown on page 1. diagram. Be sure to install the shrink tube before final crimp and soldering of the ring terminal.

ONE WIRE ALTERNATOR

Installation of the alternator power wire is the only connection required for a ONE-WIRE alternator. This type of alternator has a self exciting regulator which is activated by the RPM of the engine.

GM INTERNALLY REGULATED ALTERNATOR ("SI" SERIES)

- 5) Plug the white connector into the 2 male blades on alternator. (It will only plug in one way.)
- 6) Route and connect the small red wire through the insulating boot and on to the alternator "BAT" stud. Slide the insulating boot over the battery stud connection.
- 7) Connect the brown wire to the "ACC" terminal of the ignition switch either directly or through the optional in-line diode as follows:

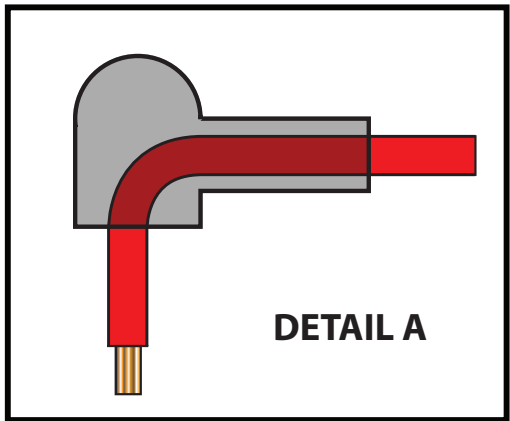
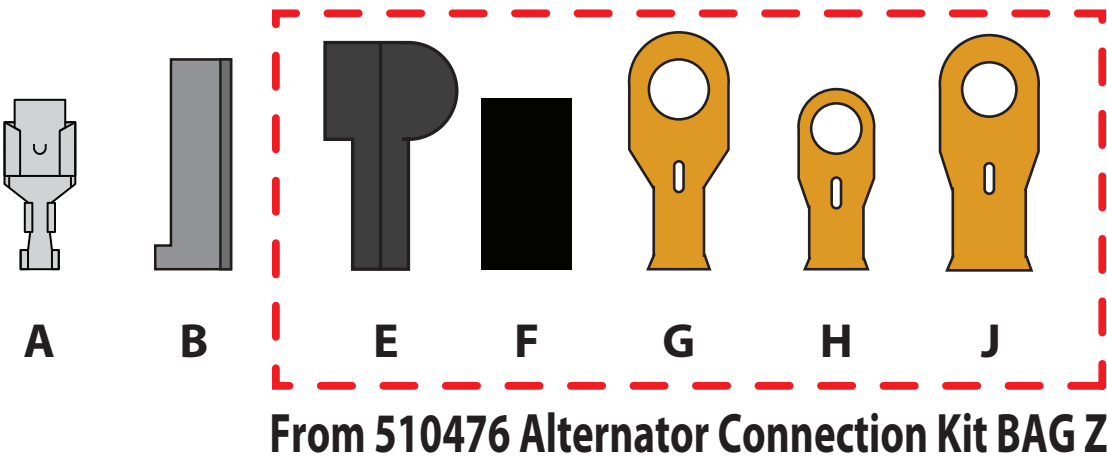
Note 1: Depending on your alternator and ignition switch manufacturer, it may be necessary to use a DIODE in the alternator's regulator circuit to prohibit any alternator feedback after the motor is shut off. If so, install the diode "in series" as shown on page 1. Optional Diode Kit 500529, is available from AAW, or your local AAW distributor.

Note 2: When performing electrical testing on the vehicle during installation, disconnect the diode from the circuit to prevent any possible damage to the diode until the testing is complete.

- a. If diode installation is not needed for your alternator, connect the BROWN wire from the alternator directly to the ignition switch "ACC" terminal using supplied female terminal "A" and connector "B".
- b. If diode installation is needed for your alternator, connect the BROWN wire from the alternator to the in line diode as shown in the diagram and complete the connection to the ignition switch "ACC" terminal using supplied female terminal "A" and connector "B".

Note: Be sure to have the gray line (on diode) towards the alternator. This line indicates the "direction of flow" of electricity. Failure to have this line in the right direction will prevent current from flowing properly.

Note: See Page 4 for accessories to assist you with your installation.



Accessories

Battery Cables



500723
Top Post
w/neg. secondary 10 ga.
lead (36" long), cables,
lugs, crimping tool



500724
Side Post
w/ cables, lugs, crimping
tool



500725
Top Post
w/neg. secondary 10 ga.
lead (36" long), cables,
lugs, crimping tool



500726
Side Post
w/ cables, lugs, crimping
tool

Alternator Adapters



37796
GM "SI" Series to GM "CS" Series



500295
GM "SI" Series Internal
Regulator to GM "CS130D"



500802
GM "SI" Series to FORD "3G"
Internal Regulator
Alternator

Diodes



500529
Diode Kit
In-line 6 AMP



500541
Diode Adapter Kit
for the SI Series
Alternator