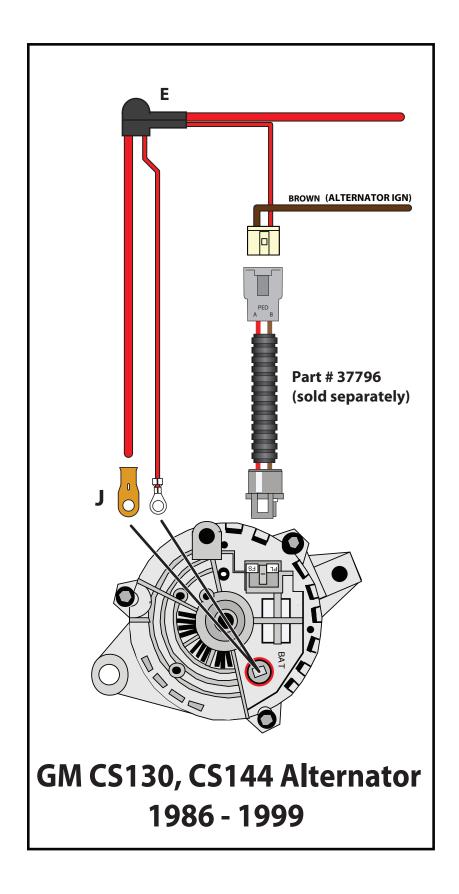
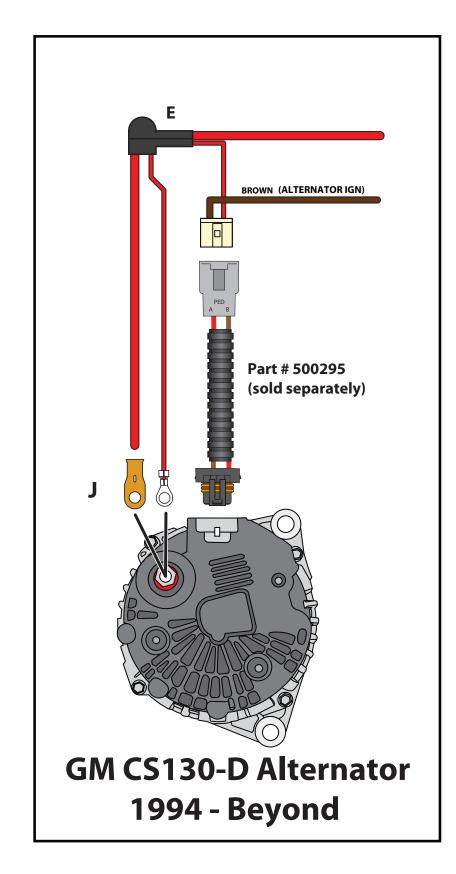
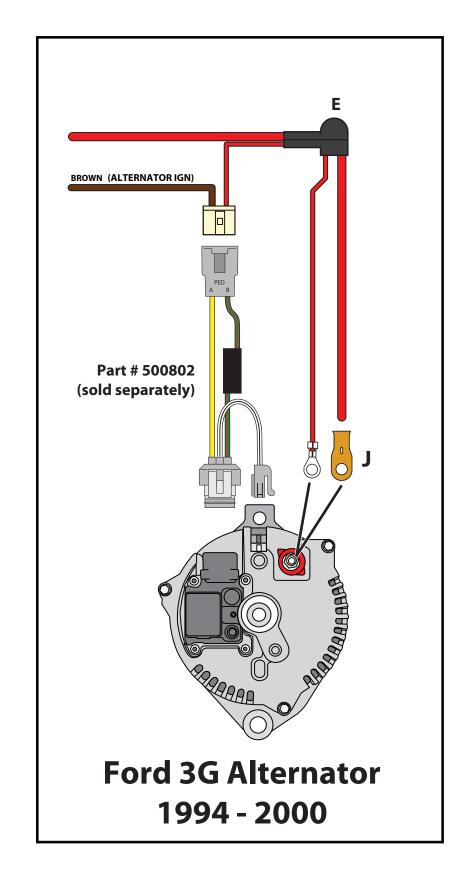
#### **Positive battery cable (SOLD SEPARATELY)** Ε "BAT" stud Optional 500529 In-line diode kit **BROWN (ALTERNATOR IGN)** 6 gauge red wire To Alternator from 510476 Bag 2 The diode blocks accessory voltage at the alternator from reaching the ignition switch which commonly causes vehicle grey "run-on". **Assembled Megafuses** Delco-Remy made in USA from 510476 kit Bag Z **To Ignition STARTER** Switch GM "SI" series alternator shown as sample **FUSED SIDE UNFUSED SIDE Shown for reference SEE PAGE 2 FOR OTHER** (See 510506 - Ignition NOTE: The Mega-Fuse box should be mounted as close to the battery **ALTERNATOR CONNECTIONS IGN** ACC **Switch & Starter** power source (junction block, starter relay, starter solenoid, etc.) as Wiring Kit) possible. The battery feed wire to the Mega-Fuse is an unfused lead, and as such, AAW does not recommend mounting on the inside of the vehicle. American Autowire **Alternator Ignition Switch** from Bag 510805 www.americanautowire.com 856-933-0801 Page 1







## **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.

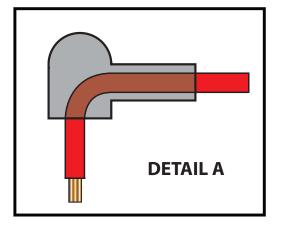
#### **GM INTERNALLY REGULATED ALTERNATOR ("SI" SERIES)**

- 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.









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# Accessories

## **Battery Cables**



500723

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



500724

Side Post, trunk mount 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

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### **Diodes**



500529

Diode Kit In-line 6 AMP



500541

Diode Adapter Kit for the SI Series Alternator



