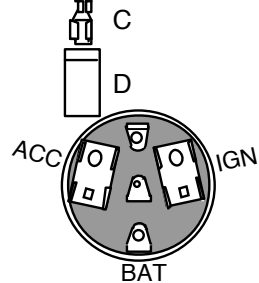


RED (12 VOLT BATTERY)

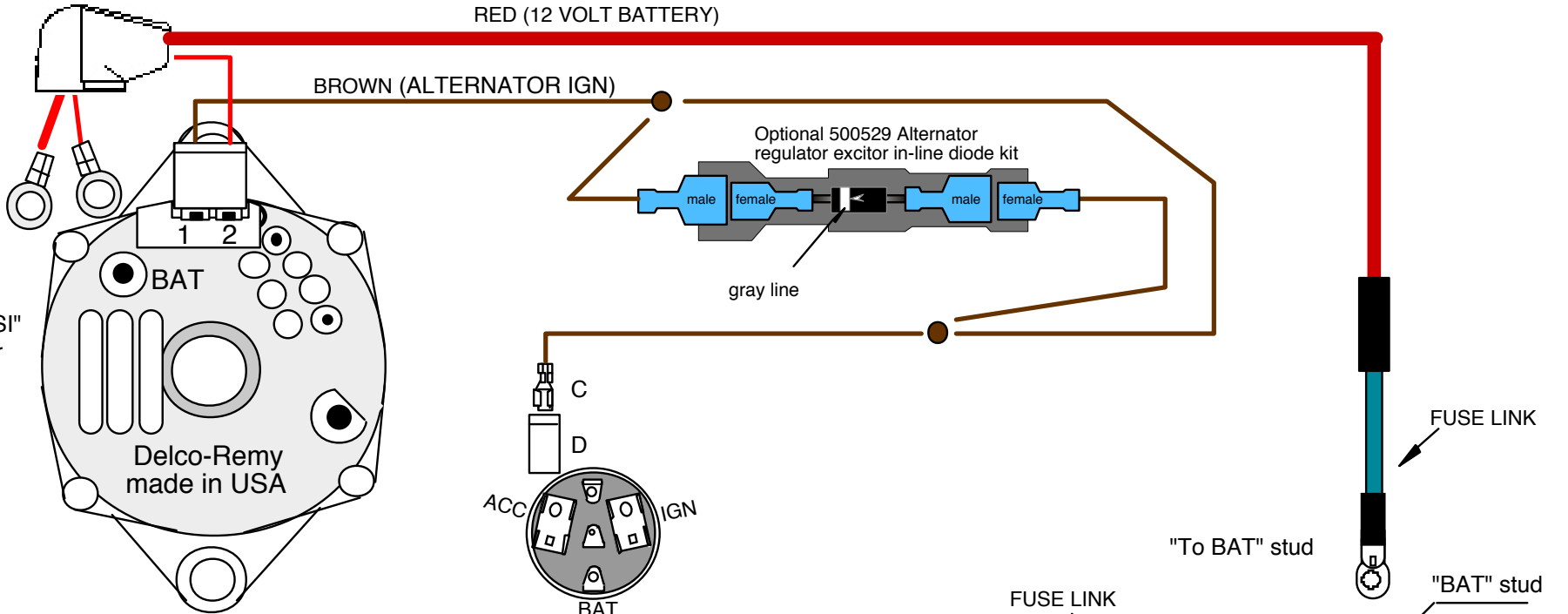
BROWN (ALTERNATOR IGN)

Optional 500529 Alternator regulator excitor in-line diode kit

gray line

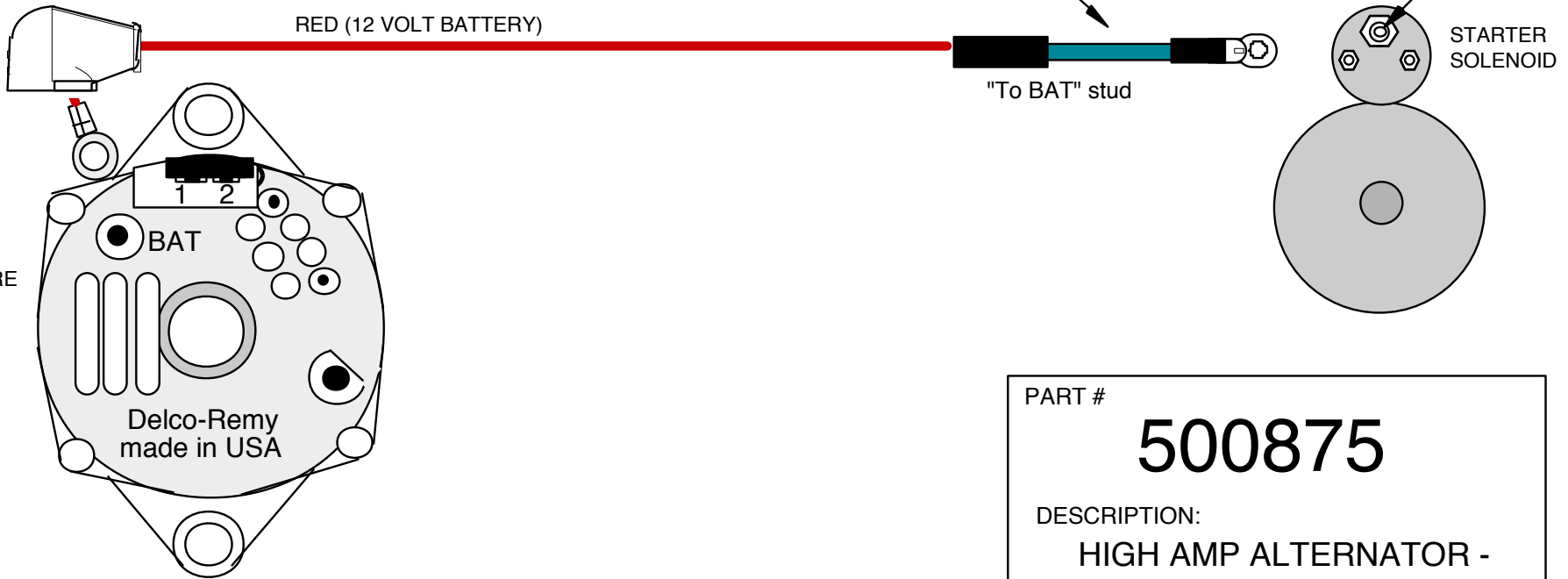


TYPICAL GM "SI" series alternator installation



RED (12 VOLT BATTERY)

TYPICAL ONE WIRE ALTERNATOR INSTALLATION



PART #

500875

DESCRIPTION:

**HIGH AMP ALTERNATOR -
with 8 Gauge power feed**

92967544 instruction sheet

Rev 1.0 10/19/2011

INSTALLATION OF ONE WIRE ALTERNATORS

1. Install fuse link connection (blue) to starter solenoid battery (+) stud.
2. Install rubber boot "A" on 8 ga. red wire. Measure distance to alternator and cut to length. Crimp 8 ga. ring terminal "B" onto measured red wire, solder, and attach to alternator bat (+) stud. Slide insulating boot over battery stud connection.
3. 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.

INSTALLATION OF GM INTERNALLY REGULATED ALTERNATOR ("SI" SERIES)

- 1 Install fuse link connection (blue) to starter solenoid battery (+) stud.
- 2 Install rubber boot "A" on 8 ga. red wire. Measure distance to alternator and cut to length. Crimp 8 ga. ring terminal "B" onto measured red wire, solder, and attach to alternator bat (+) stud.
- 3 Plug the white connector into the 2 male blades on alternator. (It will only plug in one way).
- 4 Route and connect the small red wire through the insulating boot and onto the alternator stud. Slide the insulating boot over the battery stud connection.
- 5 Connect the brown wire to the "ACC" terminal of the ignition switch either directly or through the in line diode as follows:

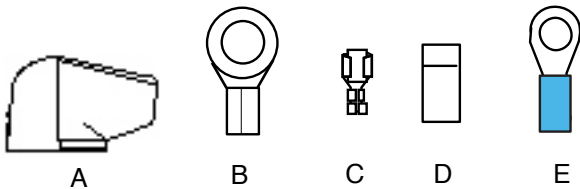
Note 1: Depending on your alternator and ignition switch manufacturer, it may be necessary to use a DIODE in the alternator's regulator circuit to prohibit any alternator feedback after the motor is shut off. If so, install the diode "in series" as shown. This diode is available as an optional kit under part number 500529.

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 when Ignition is in the acc. or run position and left on for long periods.

- 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 "C" and connector "D" or terminal E for post mount ignition switch.
- 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 "C" and connector "D" or terminal E for post mount ignition switches.

Note: Be sure to have the grey 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.

Note: American Autowire Systems also carries alternator adapter kits for GM "CS" series alternators. Part number 37796 (CS130 and CS144) or 500295 (CS130D) See American Autowire catalog for correct application.



American Autowire

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PART #

500875

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**HIGH AMP ALTERNATOR -
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