

INSTALLATION OF POWER WIRE - ALL ALTERNATORS

- 1) Connect the red wire to the starter "BAT" stud via the blue fuse link wire, which is attached to it. BAT
- 2) Route the other end of this wire to the alternator and cut to length.
- 3) Install rubber boot (A) and terminal (B) provided in kit, as shown below.
- 4) Connect large red wire to alternator "BAT" stud.

ONE WIRE ALTERNATOR

Installation of the alternator power wire above, is the only connection required for a ONE-WIRE alternator. This type of alternator has a self-excited 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 to the "BAT" stud on the alternator.
- 7) Connect the brown wire to the "ACC" terminal of the ignition switch either directly or through the in line diode as follows:

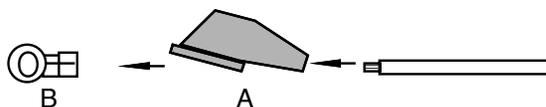
Note 1: Depending on your alternator and ignition switch manufacturer, it may be necessary to use a DIODE in the alternator's regulator circuit to prohibit any alternator feedback after the motor is shut off. If so, install the diode "in series" as shown.

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 "C" and connector "D".
- 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 then completing the connection to the ignition switch "ACC" terminal using supplied female terminal "C" and connector "D".

Note 3: Be sure to have the grey line (on diode) towards the alternator. This line indicates the "direction of flow" of electricity. Failure to orient this line correctly will prevent current from flowing.

Note 4: American Autowire Systems also carries alternator adapter kits for GM "CS" series alternators.



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150 Heller Pl #17 W Bellmawr, NJ 08031 856-933-9301

PART #

500305

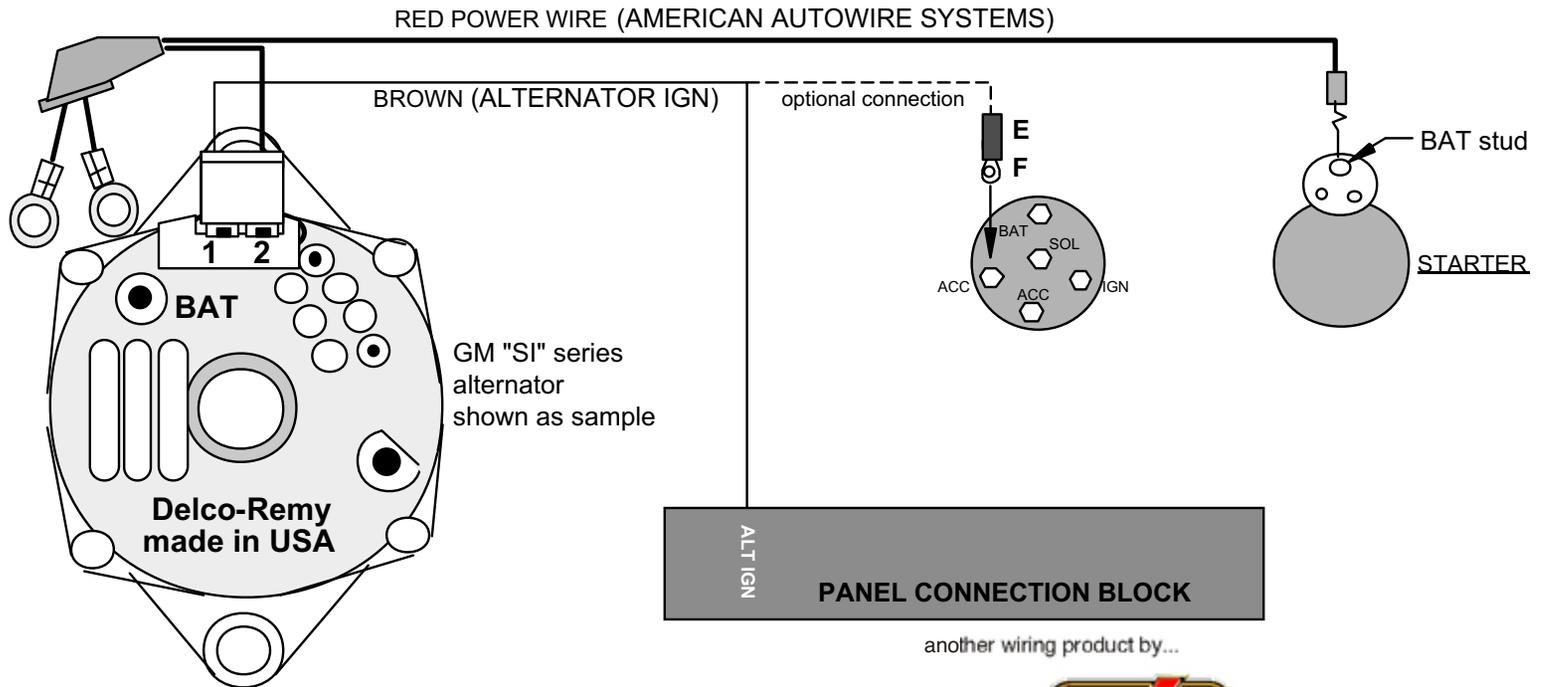
B

DESCRIPTION:

**ALTERNATOR
CONNECTION KIT**

92964493 instruction sheet

Rev 4.0 1/17/2004



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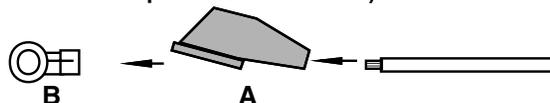
NOTE: on a self excited regulated alternator, the ALT/DIODE position on the PANEL CONNECTION BLOCK will not be used for the alternator. However, it may be used as an extra Fused Ignition feed.

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 to the "BAT" stud on the alternator.
- 7) Connect the brown wire to the ALT DIO/IGN position on the PANEL CONNECTION BLOCK.
If using the **supplied in-dash ignition switch** and diode protection is not needed for your alternator, connect the BROWN wire from the alternator to the ignition switch (ACC term) using supplied ring terminal F and sleeve E. This will allow for a spare ignition fuse on panel.

Note 1: When performing electrical testing on the vehicle, install the supplied 20 amp mini fuse in place of the diode during testing so the diode does not burn out.

Note 2: Depending on your alternator and ignition switch manufacturer, it may be necessary to use a DIODE in the alternator's regulator circuit. If so, replace the mini-fuse located in the "ALT / IGN" location on your panel with a DIODE. (American Autowire part number 500170)



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