



Part 2 of Danchuk # 17504 Instructions

PART #	500938	B
DESCRIPTION: ALTERNATOR CONNECTION KIT		
92968061 instruction sheet Rev 0.0 5/18/2009		

INSTALLATION OF POWER WIRE - ALL ALTERNATORS

1. Install runner boot (A) on the RED and YELLOW cross trace wire as shown on Page 1.
2. Connect the large RED and YELLOW cross trace wire to the alternator "BAT" stud.
3. Route the other end of this wire to the MEGA-FUSE connector and cut to length. The MEGA-FUSE connector is meant to be installed in line (as shown in the diagram) between the main power source and the Highway 15 ignition switch and panel feed.
4. Connect the RED and YELLOW cross trace wire to the supplied MEGA-FUSE connector using shrink tube E and terminal B as shown in the diagram. Be sure to slide shrink tube E onto the wire before final crimping and soldering of ring terminal B.

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 and requires no other connection.

GM INTERNALLY REGULATED ALTERNATOR ("SI" SERIES)

1. Plug the white connector into the 2 male blades on the alternator. (It is indexed and will only plug in one way).
2. Route and connect the small RED and YELLOW cross trace wire through the insulating boot and on to the alternator stud.
Slide the insulating boot over the battery stud connection.
3. Connect the BLACK and YELLOW cross tracer 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, it may be necessary to install a diode in the alternator exciter feed wire circuit to prohibit any alternator feedback after the motor is shut off. If so, install the diode "in series" as shown.

- a. If diode installation is not necessary for your alternator, connect the BLACK and YELLOW cross trace wire from the alternator directly to the ignition switch "ACC" terminal using the supplied terminal C and connector D.
- b. If diode installation is necessary for your alternator, connect the BLACK and YELLOW cross trace 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 the supplied terminal C and connector D.

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 proper direction will prevent current from flowing to the regulator and will prevent the alternator from charging.

Note: American Autowire also makes alternator adapter kits for GM "CS" series alternators.



**American
Autowire**

150 Heller Pl #17 W Bellmawr, NJ 08031 800-482-9473

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