

SERVICE BULLETIN:

MODELS AFFECTED: ALL MCM 470 Series Engines with Delco Starters. These starters are easily distinguished from the earlier Prestolite Starters because they have a round solenoid on top of the starter, and the Prestolite units don't (see Figure 1). These engines are 1983 and newer production beginning with Serial Number 6218037.

ISSUE: MCM 470 Series Engines with Serial Numbers 6902288 and Up were supplied without the 90 amp fuse on the starter solenoid (1985 and later production). If you have one of these engines, you have unprotected wires running from the starter solenoid to the rectifier/regulator unit and to the stator windings.

Installing the DC-60 Alternator Conversion Kit on these engines will cause additional wiring to become unprotected.



WAGNER PRODUCTS COMPANY

P.O. BOX 221001/ST. LOUIS, MISSOURI 63122-8001

PHONE 314-966-4444 OR FAX 314-835-1040/www.wagnerproducts.com

SOLUTION: If you have one of these engines, and you are installing Wagner Products Alternator Kit DC-60, you must obtain Wagner Products 90 amp fuse kit, Part No. F-90A-KT and install it on the starter solenoid as shown in Figure 1. We highly recommend that this fuse be installed on all engines with Delco Starters, (whether or not the Alternator Conversion Kit has been installed) and to further enhance the safety of the Alternator Conversion Kit installation, the following wiring changes should be implemented.

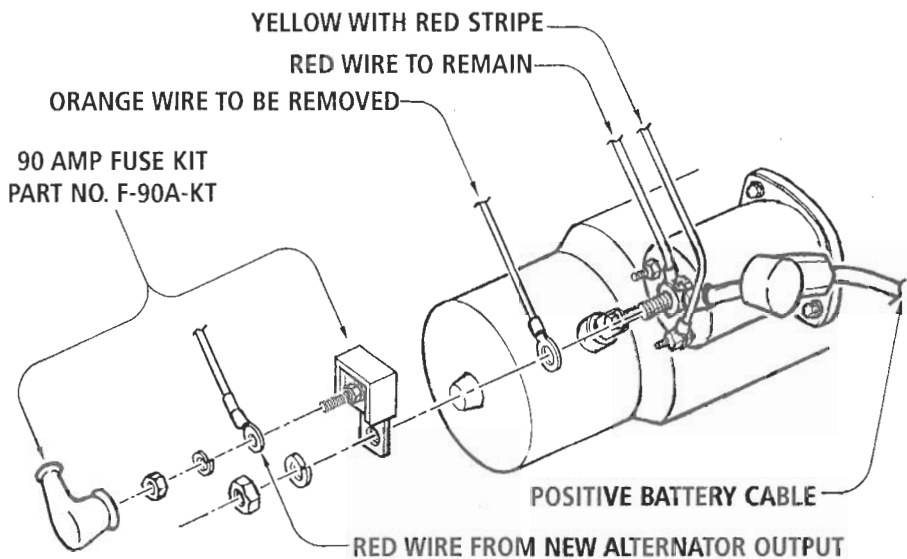


FIGURE 1

ACTION REQUIRED:

New wire routing. The Alternator Output Wire must be connected to the 90 amp fuse mounted on the starter solenoid "Battery Post".

- A. Remove the Orange wire from the voltage regulator and from the 90 amp fuse or starter solenoid and discard. (See Figure 1) NOTE: If the wire is contained in the wiring harness cut the terminals off both ends and tape back securely.
- B. Install the 90 amp fuse on the starter solenoid as shown in Figure 1.
- C. Cut the butt splice off of the alternator output wire. Then strip the wire, and crimp and solder the 1/4 inch ring terminal provided.
- D. Use the heat shrink tubing provided to insulate the terminal and slip rubber boot over wire, insulation and terminal.
- E. Install the alternator output wire on the 90 amp fuse using hardware provided and cover with insulator boot. (See Figure 1).

WARNING:

FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN: PROPERTY DAMAGE, INJURY OR POSSIBLE DEATH, DUE TO UNPROTECTED WIRING!

NOTE 1: The Red/Purple wire may be abandoned in place on the existing voltage regulator, as it is no longer used in the circuit. Alternately, if the installer chooses to remove the old voltage regulator for a cleaner installation, the attached water hoses may be replaced with a continuous length of hose, and the Red/Purple wire insulated with a neoprene sleeve and secured so as to prevent any possible chaffing.

NOTE 2: All MCM 470 Series Engines equipped with the Prestolite Starters (serial numbers 6218036 and earlier) are unaffected by this Service Bulletin.

Wagner Products
P.O. Box 221001
St. Louis, Missouri 63122
Phone (314) 966-4444