

INSTALLING OVER CRANK PROTECTION

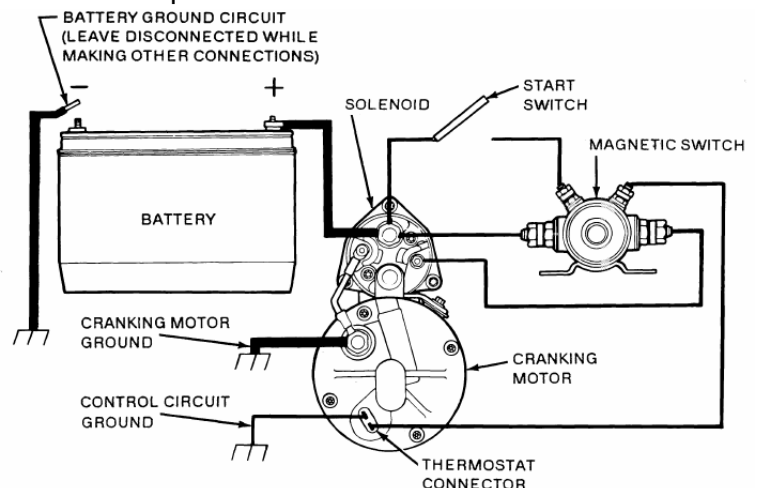
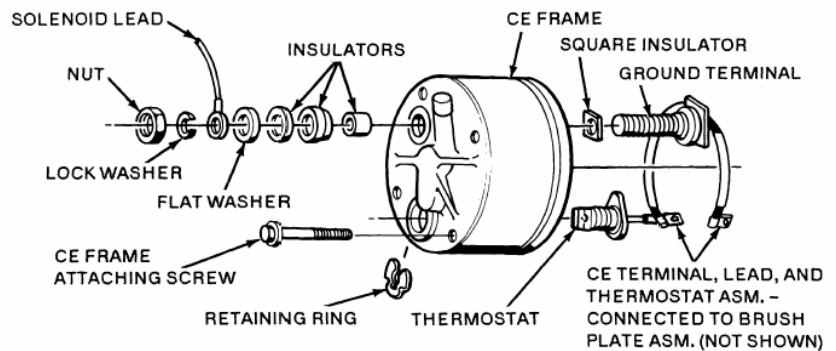
WARNING!!! ALWAYS USE PROPER EYE PROTECTION WHEN PERFORMING ANY MECHANICAL REPAIRS TO A VEHICLE – INCLUDING, BUT NOT LIMITED TO, ANY INSTALLATION AND OR REPAIRS TO THE DELCO REMY STARTERS. FAILURE TO USE PROPER EYE PROTECTION CAN LEAD TO SERIOUS AND PERMANENT EYE DAMAGE.

Only perform the mechanical functions that you are properly qualified to perform. Mechanical repairs that are beyond your technical capabilities should be handled by a professional installation specialist.

NOTICE! FOLLOW ENGINE AND/OR VEHICLE MANUFACTURER'S INSTRUCTIONS CAREFULLY WHEN REMOVING AND INSTALLING THE STARTERS.

This kit contains the necessary parts for adding over crank protection to 42MT starting motors. Some parts that are removed from the original starter must be re-used. Note locations and stack up of parts when taking the starter apart and reinstall in same place, when needed. **This kit will only work on 42MT starters that already have a ground terminal in the CE frame.**

1. **Disconnect the negative (-) cable from the battery(s) terminal.**
2. Remove outer nut, washers, solenoid ground (-) lead and insulators from ground terminal.
3. Remove CE frame attaching screws and CE frame from starter.
4. Remove 2 brush lead attaching screws to disconnect CE terminal/lead assembly (with ground terminal) from brush plate assembly in starter.
5. Install new CE terminal /lead/thermostat assembly to brush plate assembly, placing lead clips between brush plate and brush leads. Use old brush lead attaching screws and torque to 2.5 Nm (22 lb in).
6. Be sure square insulator is in place on ground (-) terminal, then assemble new CE frame to ground terminal and thermostat connector. Secure thermostat and connector in place with retaining ring. Install insulators, flat washer, solenoid ground lead, lock washer and first terminal nut onto ground terminal. Torque nut to 30 Nm (22 lb ft).
7. Install CE frame attaching screws (4 required with new CE frame). Discard extras if old CE frame used 6 screws). Torque to 6.0 Nm (50 lb in).
8. Without making wiring connections to solenoid, install starting motor to engine per engine or vehicle manufacturer's instructions. Install new thermostat connector (with leads) to thermostat in CE frame.
9. Install new magnetic switch (relay) in area protected from road splash and vibration. **Do not mount on engine.** Mount switch so internal plunger is horizontal and at right angles to direction of vehicle travel.
10. Modify wiring to terminals on solenoid as shown in diagram. If magnetic switch (relay) was used previously on vehicle, make thermostat ground connection to same point as old control circuit. This may be through an ADLO relay or other cranking circuit control devices. If magnetic switch (relay) was not previously used, any system ground point may be used.
11. Reconnect negative (-) cable at the battery.
12. Peel backing from decal and apply to clean surface near start switch.



WARNING – Be aware that only licensed Remy Inc. product and component parts should be used and the use of other parts or modifications not approved by Remy Inc. will void any warranty concerning, but not limited to, product performance or reliability. The failure to carefully follow Installation Package guidelines set forth above will likewise void any and all warranty, **including the implied warranties of merchantability and fitness for a particular purpose.** Delco Remy® is a registered trademark of General Motors Corporation, licensed to Remy Inc., Anderson, IN 46013.