

**SEMI-SOLID LINK SOLENOID REPLACEMENT INSTRUCTIONS FOR 29MT, 38MT & 39MT HD STARTERS**  
This kit contains the necessary parts to replace the Solenoid on a 29MT, 38MT or 39MT HD Starting Motor.

**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 STARTING MOTORS. 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.

**IF NECESSARY TO REMOVE THE STARTER, FOLLOW ENGINE AND/OR VEHICLE MANUFACTURER'S INSTRUCTIONS CAREFULLY WHEN REMOVING AND INSTALLING THE STARTER.**

Starters may have a Magnetic Switch (Relay) directly attached, referred to as Integral Magnetic Switch (**IMS**), and the 39MT may also have a Jump Start Protection (**JSP**) Shield over the Solenoid terminals. **If this starter does not have either an IMS or JSP feature, ignore comments or instructions related to them.**

**REMOVAL INSTRUCTIONS**

**DANGER!!!** ALWAYS DISCONNECT BATTERY GROUND BEFORE REMOVING OR REPLACING CABLES AT THE STARTER. **FAILURE TO DISCONNECT THE BATTERY GROUND CABLE CAN LEAD TO SERIOUS INJURY.**

1. Remove vehicle leads connected to the Starter, noting their positions for reinstallation of starter.
2. **39MT** -Remove JSP Shielding, if it has this feature.
3. Remove the rest of leads connected to the Solenoid terminals, noting their positions for reassembly.
4. Remove the IMS (Relay), if it has this feature.
5. Remove and dispose of the Starter Solenoid.

**INSTALLATION INSTRUCTIONS**

1. Install new Starter Solenoid and torque the Mounting Bolts to **7.7-9.8 Nm (68-87 lb in)**.
2. Reinstall IMS (Relay), if it has this feature, and torque the Mounting Bolts to **7.7-9.8 (68-87 lb in)**.
3. **39MT** -Reconnect lead or leads, as removed, to the Solenoid Ground (-) terminal and torque the nut, or screw, to **2.0-2.5 Nm (18-22 lb in)**.
4. Reconnect lead, as removed, to Solenoid Switch (+) terminal and torque nut to **2.0-2.5 Nm (18-22 lb in)**.
5. **39MT** -Replace **JSP** Shield, if it has this feature, and torque shield attaching nut to **2.0-2.5 Nm (18-22 lb ft)**.
6. Secure Commutator End Ground (-) lead to the solenoid with a Wire Tie, if it has JSP feature.
7. Reconnect Battery Positive (+) cable and other leads, as removed, to Solenoid Battery (+) terminal and torque nut assembly to **24.5-27.5 Nm (18-20 lb ft)**.
8. Reconnect lead to IMS (Relay) Switch terminal, if it has one, and torque screw to **1.9-2.4 Nm (17-21 lb in)**.
9. Reattach Battery Negative (-) cable, as removed, to Starter Ground (-) terminal and torque nut assembly to **24.5-27.5 Nm (18-20 lb ft)**.
10. Reconnect the Negative (-) cable at the Battery.

Technical support: USA 800 854 0076, Mexico 01 800 000 7378, Brazil 0800 703 3526, South America 55 11 2106 6510 or visit [delcoremy.com](http://delcoremy.com)

**NOTICE** - Only licensed Remy International, Inc. product and component parts should be used, and the use of other parts or modifications not approved by Remy International, Inc. will void all applicable warranties. The failure to carefully follow these Installation Instructions, set forth above, will void all applicable warranties. DELCO REMY is a registered trademark of General Motors Corporation, licensed to Remy International, Inc. Pendleton, IN 46064.