

## 13SI™ BRUSH REPLACEMENT INSTRUCTIONS

**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® ALTERNATORS. 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.

**DANGER!!!** To avoid injury or damage, always disconnect the negative cable at the battery before removing or replacing the alternator. The alternator output terminal is always live (“hot”). If the battery is not disconnected, a tool accidentally touching this terminal and ground can quickly get hot enough to burn skin or damage tools and surrounding parts.

**FOLLOW ENGINE OR VEHICLE MANUFACTURERS INSTRUCTION’S CAREFULLY WHEN REMOVING AND REINSTALLING THE ALTERNATOR.**

### BRUSH ASSEMBLIES REMOVAL INSTRUCTIONS

1. Disconnect the negative (-) cable at the batteries.
2. Remove vehicle leads connected to the alternator, noting their positions for reinstallation of the alternator.
3. Remove the three (3) slip ring end (SRE) cover screws and cover.
4. Remove the regulator B+ nut (M8 nut).
5. Remove regulator mounting screws (Torx E5 screws).
6. Remove the cap from the brush holder.
7. Pull the brushes from the brush holder noting angle of end of brush (angled with rotation).

### INSTALLATION INSTRUCTIONS

1. Install new brushes into the brush holder with the contact end angled in direction of rotation (see photo).
2. Replace the regulator F+ screw and finger tighten to keep brushes in place.
3. Replace the cap on the brush holder.
4. Replace the remaining regulator mounting screws (Torx E5) and torque screws to **2.2-2.8 Nm (19-25 lb in)**.
5. Replace B+ nut (M8 nut) and torque to **26.5 ± 1.5Nm (19 ± 1 lb ft)**
6. Replace the SRE cover and torque the mounting screws to **2.2-2.8 Nm (19-25 lb in)**.
7. Reattach the battery positive (+) terminal lead to the alternator battery terminal and torque nut to **9.0-13.0 N-m (80-120 lb in)**.
8. 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.