

VOLTAGE REGULATOR REPLACEMENT INSTRUCTIONS FOR 24SI™ ALTERNATORS

NOTICE! It may be necessary to obtain **10520982 Miscellaneous Hardware Kit** to replace parts that may be damaged or lost during disassembly.

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 MANUFACTURER’S INSTRUCTIONS CAREFULLY WHEN REMOVING AND REINSTALLING THE ALTERNATOR.

REMOVAL INSTRUCTIONS

1. Remove vehicle leads connected to the alternator, noting their positions for reinstallation of the alternator.
2. Remove the slip ring end (**SRE**) cover.
3. Remove the voltage regulator mounting screws and bushings, carefully noting parts orientation for reassembly.

NOTICE! Avoid excessive heat when melting or soldering connections. Excessive heat may damage the terminals or leads, causing premature alternator failures.

4. Apply enough heat to melt the solder at the rectifier connection and pull or slide the voltage regulator terminal off the strap to separate the connection.
5. Dispose of the old voltage regulator and save the screw assemblies, split bushings and connector plug, if it has one, for reassembly.

INSTALLATION INSTRUCTIONS

1. Place the terminal of the new voltage regulator over the rectifier assembly strap, as removed. Crimp and solder the connection.
2. Reinstall bushings and mounting screw assemblies, **ensuring the insulated screw is used in terminal that connects to the brush holder**. Carefully examine the screw assembly’s insulation for damage, and replace it if necessary. Torque the three (3) mounting screws to **2.2-2.8 N-m (19-25 lb in)**.
3. Reinstall slip ring end cover and torque the three (3) mounting screw assemblies to **2.2-2.8 N-m (19-25 lb in)**.
4. Reinstall the regulator connector plug assembly, if it has one. .
5. Reinstall alternator according to engine or vehicle manufacturer’s instructions.
6. Reattach the battery (+) terminal lead to alternator battery terminal and torque nut to **9.0-13.0 N-m (80-120 lb in)**.
7. Reconnect the negative (-) cable at the battery.

NOTICE - 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 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 Inc., Pendleton, IN 46064.

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