

## SERVICING RECTIFIER END FRAME ON 25SI SERIES ALTERNATORS

**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. A professional installation specialist should handle mechanical repairs that are beyond your technical capabilities.

**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 cause skin burn or damage to the tool and surrounding parts.

FOLLOW ENGINE AND/OR VEHICLE MANUFACTURER’S INSTRUCTIONS FOR ALTERNATOR REMOVAL AND INSTALLATION.

**This instruction sheet covers replacement of:**

1. Rectifier housing
2. Heat sink
3. Rectifier housing diode
4. Heat sink diode

### RECTIFIER HOUSING AND HEAT SINK

The flat insulator should be liberally coated on both sides with silicone grease before assembly between the heat sink and housing. Use the four new insulators on the heat sink attaching screws, but do not tighten securely until the output terminal is assembled. Assemble and securely tighten the output terminal, then tighten the four heat sink attaching screws. Use the rivets in the package to attach old name plate onto new housing.

### RECTIFIER HOUSING DIODE AND HEAT SINK DIODE

The following tabulation shows the proper location of diodes as identified by color markings on the diode case.

Polarity Of Generator	Color Marking On Diode In Heat Sink	Color Marking On Diode In End Frame
Negative Ground	Red	Black
Positive Ground	Black	Red

Before replacing a diode, it is necessary to separate the heat sink from the end frame. Carefully support the heat sink when pushing out the defective diode. Use a suitable tool to pull a diode from the end frame. Use a special tool which fits over the outer diode edge when pressing in the new diode. Never strike a diode as any one or all of the diodes may be damaged.

**NOTE:** Special diode tools are available from various manufacturers normally supplying tools and test equipment to the automotive industry.

Before attaching the heat sink to the housing, and for lubrication instructions, read the previous section entitled "RECTIFIER HOUSING AND HEAT SINK."

Ref.: 1969118, 1969127, 1969132

**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 guideline 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.