

REPLACING 50DN ALTERNATOR SHAFT SEAL AND O-RING

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 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.

FOLLOW ENGINE OR VEHICLE MANUFACTURER'S INSTRUCTIONS FOR REMOVING THE OLD ALTERNATOR FROM THE ENGINE AND INSTALLING THE NEW ALTERNATOR.

DISASSEMBLY INSTRUCTIONS:

NOTICE! Do not use an impact wrench to remove or install the pulley nut on the alternator. The impact action of the wrench can cause damage to the threads on the shaft.

1. Mark outer side of pulley so it can be put back on the shaft with the same side out after shaft seal and O-ring are replaced.
2. Hold pulley with a strap-type wrench and use a breakover bar with socket to remove pulley nut from shaft. Remove washer and pulley from shaft.
3. Remove six (6) retainer plate screws and lock washers.
4. Remove old plate, old seal assembly and old gasket.
5. Remove old steel spacer and old O-ring from shaft.

ASSEMBLY INSTRUCTIONS FOR SHAFT SEAL AND O-RING KIT:

NOTICE! The use of anti-sieze products on the rotor shaft when reinstalling the pulley is not recommended.

1. Lubricate the new O-ring with 1948791 bearing lubricate or equivalent.
2. Install new O-ring onto groove on the shaft.
3. Align mounting holes in new gasket and new plate assembly, and install them loosely to alternator housing with six (6) retainer plate screws. Do not tighten screws at this time.

SPECIAL TOOL: Successful completion of the following steps is enhanced by using a specifically designed alignment tool kit. The alignment tool is required to facilitate proper assembly of the steel spacer, which greatly reduces the potential for an oil leak.

4. Install new steel spacer onto the shaft and into the seal. Using alignment tool, clamp spacer so that it is fully seated onto shaft.
5. Tighten retainer plate screws to 6.2 Nm (55 lb in). Observe seal lip to ensure it evenly contacts steel spacer. If it does not, loosen retainer screws and adjust until seal is properly located. Retighten screws and remove alignment tool.
6. Install pulley, washer and nut. Be sure pulley is installed with same side out as before removal. Hold pulley with a strap-type wrench and tighten pulley nut to 290 Nm (215 lb ft).

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

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.