

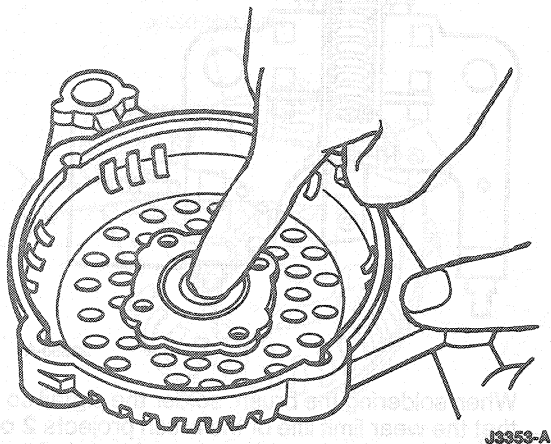
DISASSEMBLY AND ASSEMBLY (Continued)

Bearing Replacement

Tools Required:

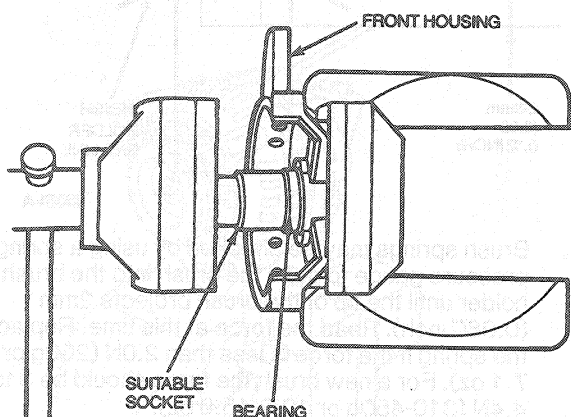
- Bearing Puller D80L-1002-L

1. Check front bearing for abnormal noise, looseness, binding or insufficient lubrication. Replace the bearing if there is any concern.



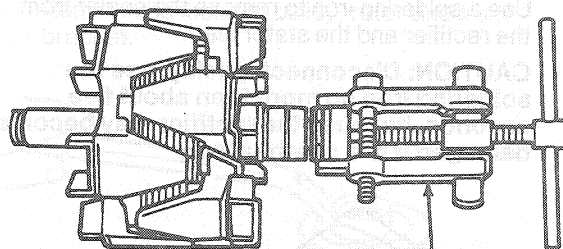
J3353-A

2. To replace the generator front bearing, use a socket or driver which fits the outer race of the generator front bearing, and carefully press a new bearing into the generator front housing using a press or vise.



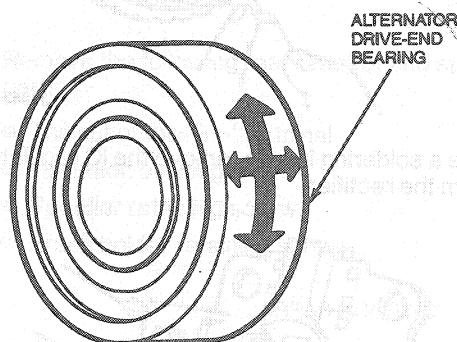
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3. Check for rear bearing abnormal noise, looseness, binding, or insufficient lubrication. Replace the bearing if there is any concern.
4. To replace the generator rear bearing, first remove the old bearing from the rotor using two-jaw Bearing Puller D80L-1002-L or equivalent as shown.

ROTOR
ASSYBEARING PULLER
D80L-1002-L

J3355-A

5. Check the bearings for abnormal noise, looseness or insufficient lubrication. Replace as necessary.

ALTERNATOR
DRIVE-END
BEARING

J3356-A

Cleaning and Inspection

CAUTION: When rebuilding an integral generator, use only high-temperature bearings. Use of standard parts will result in generator failure.

1. Wipe the stator, rotor and front bearing with a clean cloth. Do not clean these parts with solvent.
2. Rotate the front bearing on the drive end of the rotor shaft. Check for any scraping noise, looseness or roughness. Look for excessive lubricant leakage. If any of these conditions exist, replace the bearing.
3. Inspect the rotor shaft rear bearing surface for roughness or severe chatter marks. Replace the rotor assembly if the shaft is not smooth.
4. Place the rear bearing on the end of the rotor shaft and rotate the bearing. Make the same check for noise, looseness and roughness as was made for the front bearing. Inspect the rollers and cage for damage. Replace the rear bearing if these conditions exist or if the lubricant is lost or contaminated.
5. Check all wire leads on both the rotor and stator assemblies for loose or broken connections. Check the windings for burned insulation. Replace parts that show signs of burned insulation.