

CAUTION!

SPECIAL ASSEMBLY INSTRUCTIONS

Failure to follow the instructions will void the warranty on this pump.

IMPORTANT: Gear backlash must be measured after tightening the water pump housing to gear case bolts.

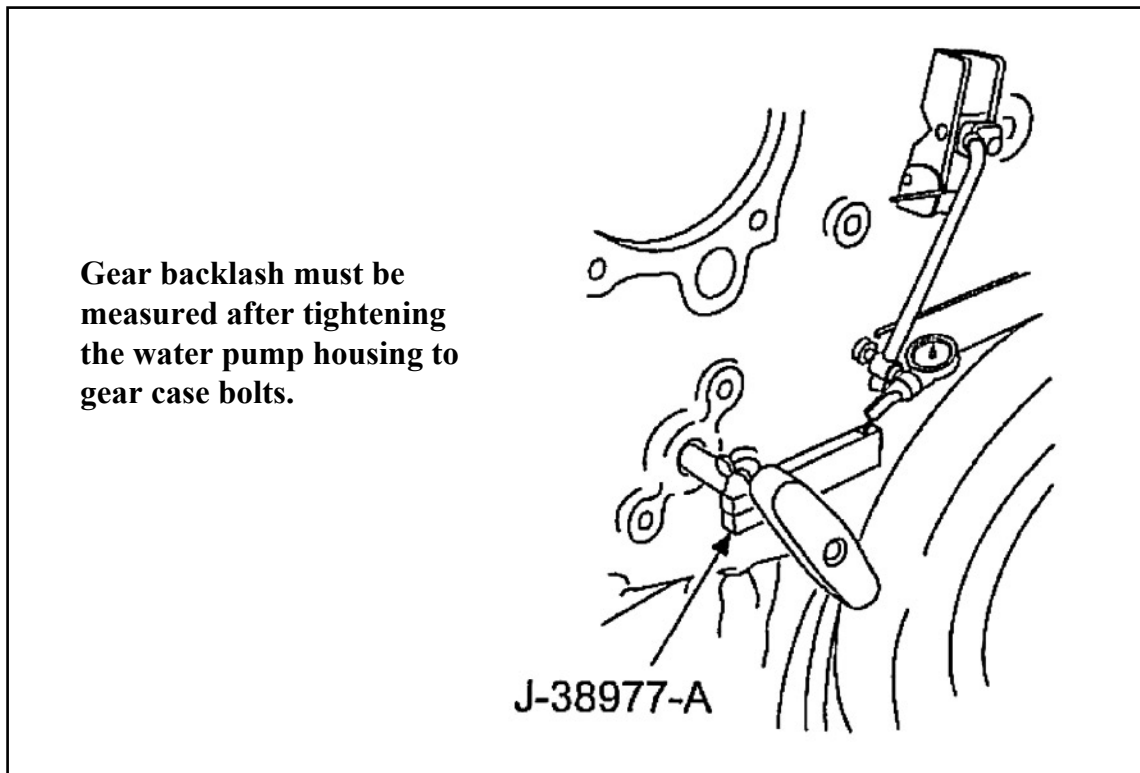
Remove the pipe plug in the gear case cover. Install the water pump gear lash tool (J-38977-A or equivalent) through the gear case cover hole and thread it into the water pump drive gear retaining bolt. The arm of this tool has an inscribed line. Measure the backlash at this line with a dial indicator. The length of the arm (to the line) is the same as the distance from the center of the retaining bolt to the center of the tooth face. This tool assures a 1:1 lash reading. Gear lash specifications are 0.002 - 0.009 in. (0.050 – 0.229 mm).

If lash is proper, remove tools and reinstall plug in gear case cover. Torque plug to 24-31 Nm (18-23 lb ft). If proper lash cannot be obtained, inspect the bull gear for wear, play or other damage. Do not proceed unless proper lash is obtained.

(See illustration)

Fill cooling system to manufacturer's specifications.

****Operating pump for any amount of time without coolant will damage the water pump seal!****



Although care has been taken to assure the accuracy of the data compiled in this publication, the manufacturer does not assume any liability for errors or omissions.