

8N - Oil Pump - How to Service

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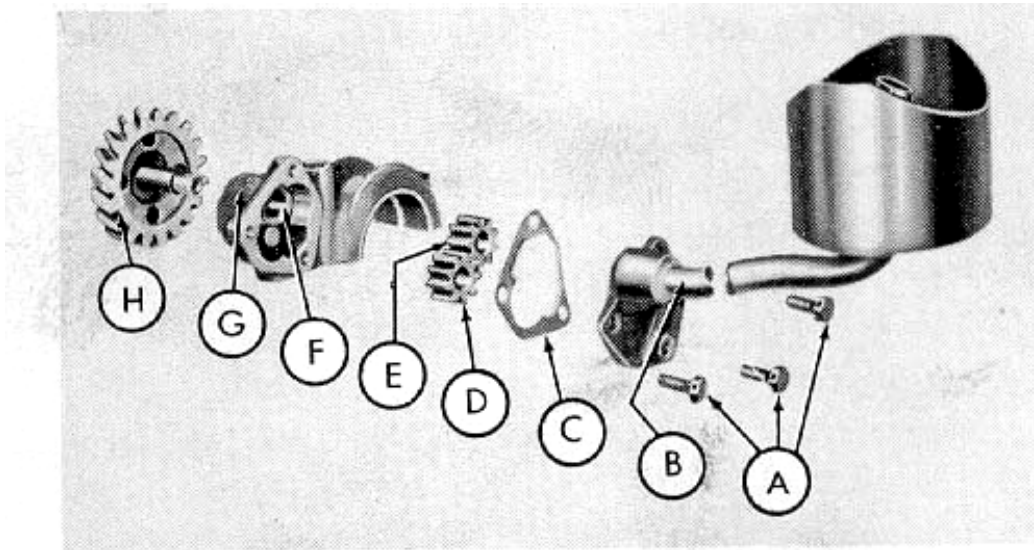


Fig. 6

IV. CHECKING THE OIL PUMP

Step 1—Disassemble The Unit

- a. Remove the safety wire from the three cap screws (A-Figure 6) and remove the cap screws.
- b. Remove the cover and tube assembly (B-Figure 6) and the gasket (C-Figure 6).
- c. Lift the driven gear (D-Figure 6) from the pump.
- d. Press the drive gear (E-Figure 6) from the driven gear and shaft (H-Figure 6) and inspect the pump body (G-Figure 6) for wear or cracks.

- e. Inspect the oil pump body bushing (F-Figure 6). If the inside diameter exceeds 0.566 inch, or the outside diameter of the drive gear shaft is less than 0.560 inch, replace the bushing or shaft.

NOTE: If the bushing is replaced it must be reamed to .001 inch of the shaft diameter. Replace the drive gear (E-Figure 6) if it is less than 0.560 inch long or if the teeth are worn, chipped, or broken.

Step 2—Assemble the oil pump.

- a. Press the gear and shaft assembly into the oil pump body until the end of the shaft is flush with the outside of the pump body.
- b. Press the drive gear on the drive gear shaft, making sure the flat in the gear is in line with the flat side of the shaft.
- c. Replace the driven gear on the stub shaft.
- d. Replace the cover and tube assembly.
- e. Safety wire the cap screws.



*Best internet source
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