

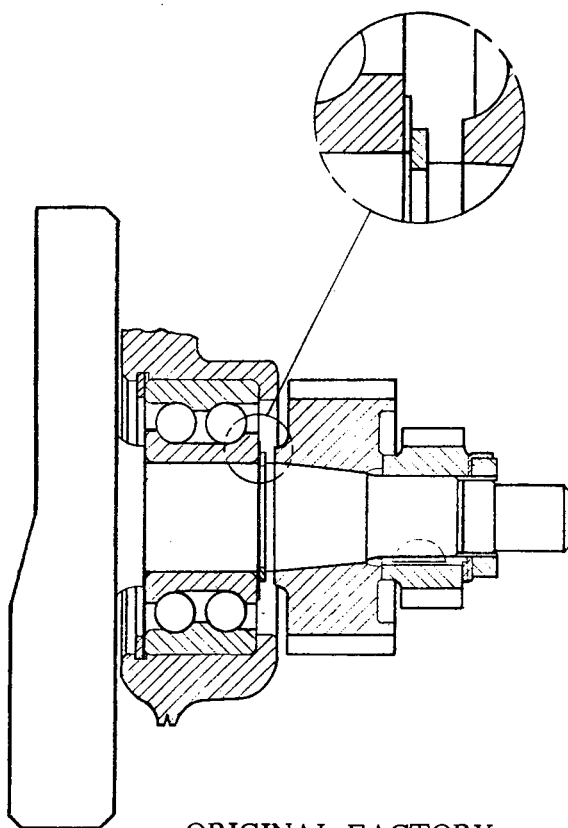
CRANKSHAFT END PLAY / SPRINT

In some cases, the crankshaft endplay on Sprint engines has become excessive and the spacing shims used between the right side crankshaft bearing and shaft lock ring have pounded out possibly causing further damage to the engine.

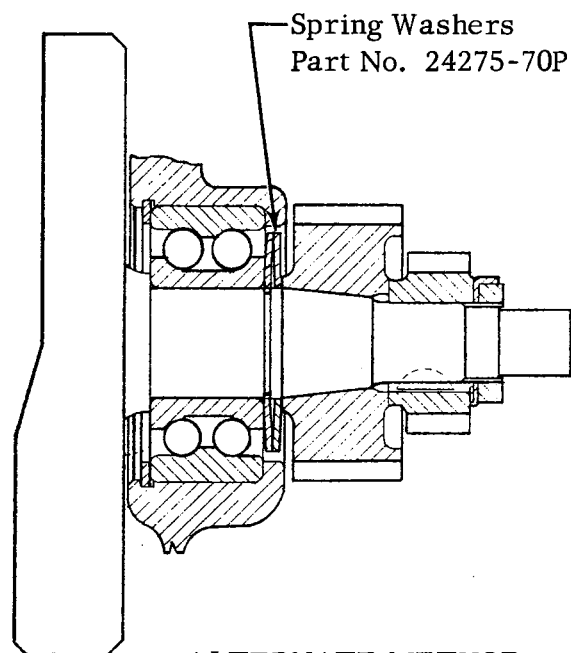
Note: An engine knock sounding like a piston slap is an indication endplay may be excessive and should be checked. Also check clutch hub nut which also causes knock if loose and use special wrench, part No. 97235-66P to tighten.

Instead of using the original factory shimming procedure to limit the endplay, the following alternate procedure can be used when crankshaft endplay becomes excessive, or when engine base is taken down.

Replace lock ring, 11018P and spacer washers 24272-66P and 24273-62P (if present) using two spring washers, part No. 24275-70P. Assemble spring washers between ball bearing and primary drive gear so that the dished outside diameters contact each other as shown. This will provide zero endplay for crankshaft.



ORIGINAL FACTORY
SHIMMING METHOD



ALTERNATE METHOD
USING SPRING WASHERS