

Removal and Installation of Front Seal Ring for the Crankshaft, OM 621

Job No.

03-3

Removal:

1. Remove the counterweight (see Job No. 03-2).

Note: In order to avoid damages to the seal ring during installation, it is advisable to remove the oil pan (see Job No. 01-21).

2. Use a suitable tool to press out the seal ring (2). See to it that the bore and the oil thrower ring (3) are not damaged (see Figure 03-2/1).
3. Remove the spacer ring (4) from the crankshaft journal (see Figure 03-2/1).

Installation:

4. Fill the new seal ring between the two sealing lips with hot bearing grease and coat its outer circumference with sealing compound.
5. Slide the oil thrower ring (3) and the seal ring (2) on the crankshaft journal or press in the seal ring (see Figure 03-2/1).

In order to avoid damages of the sealing lips of the seal ring, use a suitable installing

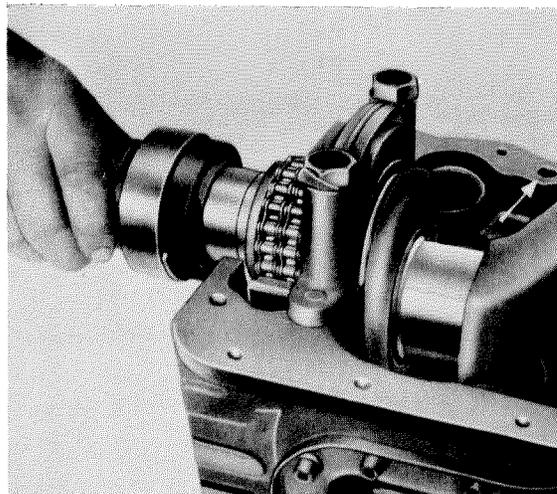


Figure 03-3/1

sleeve with pressure piece for installation (Figure 03-3/1).

The collar half of the seal ring should contact the front face of the cylinder crankcase.

6. Slide the spacer ring (4) onto the crankshaft journal.
7. If the oil pan had been removed, it should be re-installed now (see Job No. 01-21).
8. Install the counterweight (see Job No. 03-2).