

Remove the four long setscrews from the body, and separate the bottom cover and lift out the driven gear. The driving gear is keyed to the spindle and will need to be tapped off. The spindle can then be withdrawn from the pump body. Check that the driving key is in order in the pump spindle and in the keyway of the driven gear. On re-assembly with the gears in position and the bottom cover bolted up, the pump must be perfectly free from stiffness when rotated.

Release Valve

Release valve pressure is determined by the spring, which is held in position by a plug. This plug is screwed home and no adjustment is possible. (See inset fig. 7).

The valve is conical-faced hollow plunger. Check that the plunger and the valve seat are clean and undamaged and that the passages in the crankcase are clear. When re-assembly make sure the fibre washer is fitted under the head of the valve plug, and that an oil-tight joint is made.

Valve Rocker Shaft

The valve rocker shaft on the cylinder head is hollow. It is supplied with oil by a pipe connection and is drilled for lubrication of each rocker bearing. This shaft is plugged at each end, one of these being screwed in and is detachable in order that the shaft may be cleaned internally.

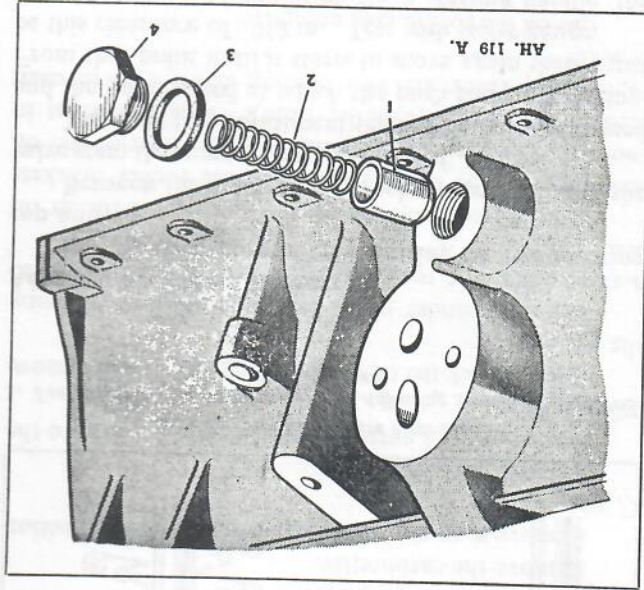


Fig. 7. Oil release valve assembly. 1. Release valve. 2. Spring. 3. Washer. 4. Cap nut.

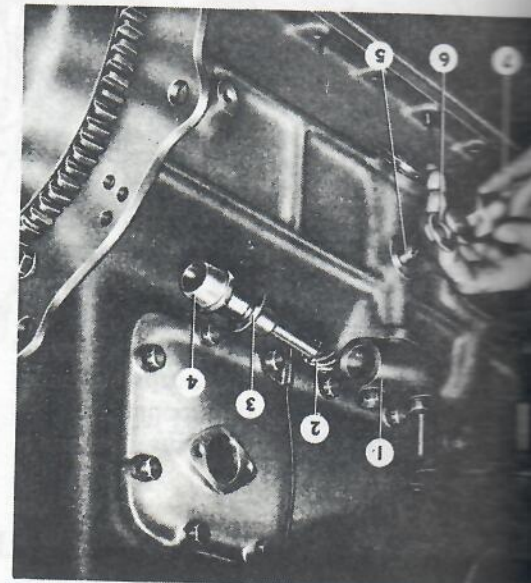


Fig. 2. Pinion, 3. Washer, 4. Bush for pinion, 5. Oil locking screw, 6. Washer, 7. Locking cap nut.

Washer and Pick-up

Washer should be examined for contamination and if necessary by releasing three nuts. Wash the paraffin, using a brush and not a rag.

The Oil Pump

Disconnect the oil supply pipe from the pump body. The left-hand side of the crankcase remove the locking screw shown in fig. 6. When the locking screwdriver can be used on the screw that there is a fibre washer under the nut. The pump complete can now be drawn down out of the case.

The Oil Pump

The pump from below and push the shaft right through the driving gear will mesh with the gear on the left-hand side of the pump.

Fit fibre washer and follow and tighten. The locking screw in the left-hand side of the oil delivery pipe to the pump body and does not need priming.

and Re-assemble the Pump

The pump body (see fig. 5) is in two pieces; before marking the two flanges to assist in re-assembly.