

Removal and Installation of Valve Tappets

OM 636

Job No.

05-8

Removal:

1. After loosening the mounting nuts, remove the cylinder head cover.
2. After unscrewing the two mounting screws, remove the tappet chamber cover.
3. Unscrew the mounting nuts for the rocker arm brackets and remove the rocker arm brackets including the rocker arms.
4. Pull out the push rods.
5. Remove the valve tappets from the bores of the crankcase and place in the correct order or mark resp. from 1-8 to ensure that they are re-installed in the identical bores. Check the valve tappets (see Job No. 05-9).

Installation:

6. Apply graphited oil to the bores in the cylinder crankcase. Then insert the previously removed tappets in the same bore from which they had been removed (see also item 5).

In the oiled bore, the valve tappets must fall downwards by their own weight (also see Job No. 05-9).

7. Check the push rods for wear and out-of-true and insert them into the valve tappets applying oil (also see Job No. 05-3).

8. Place the rocker arm brackets including the rocker arm shaft and rocker arms on the cylinder head.

Note: The contact surfaces must be clean. Bad and unclean surfaces cause loss of oil. Place spring washers on the rocker arm brackets, screw on the mounting nuts (8) and tighten with a torque of 2 mkg (see Figure 05-1/1).

9. Adjust the valve clearance (see Job No. 00-3).

10. Remove the old gasket from the tappet chamber cover and stick on a new gasket.

Note: Dried out and consequently too small cork gaskets should previously be placed into warm water to ensure that they obtain their normal size.

11. Screw the tappet chamber cover to the cylinder crankcase using the two hex. hd. screws. Mount the screws including shims and gasket rings. They should not be tightened excessively to avoid distortion of the tappet chamber cover.

12. Fit the cylinder head cover with a faultless gasket. Slide aluminium seal rings over the stud bolts, screw on the mounting nuts, do not tighten excessively to avoid distortion of the cylinder head cover.