

## Removal and Installation of Rocker Arm Brackets with Rocker Arms and Push Rods, OM 636

Job No.

05-1

### Removal:

1. Remove the air filter and the cylinder head cover, after loosening the mounting nuts.
2. Unscrew the mounting nuts (8) for the rocker arm brackets and remove them together with the rocker arms (see Figure 05-1/1). Check the rocker arms and the rocker arm seats and repair (see Job No. 05-2).

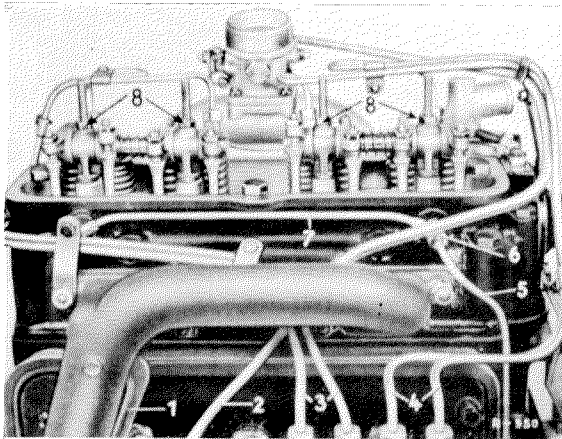


Figure 05-1/1

- 1 Screen for the exhaust manifold
- 2 Vacuum line
- 3 Injection lines for cylinder 3 and 4
- 4 Injection lines for cylinder 1 and 2
- 5 Oil line from main oil duct to cylinder head for rocker arm lubrication
- 6 Oil duct to the 1st rocker arm bracket and connection of the oil lines 5 and 7
- 7 Oil line to the 4th rocker arm bracket
- 8 Mounting nuts and spray oil outlet from the grooves in the rocker arm brackets (also see Figure 05-2/3)

3. Pull out the push rods. Check the push rods (see Job No. 05-3).

**Note: Caution!** When pulling out the push rods see to it that the tappets do not stick. Cautiously lift the push rods and, if necessary, turn until the tappet is freed from

the push rod. Tappets pulled out of the bore can be inserted again after removing the lateral locking cover (see Figure 05-35/1).

### Installation:

4. Insert the push rods into the valve tappets applying some drops of oil to the ball sockets of the push rods.
5. Insert the rocker arm brackets with rocker arm shafts and rocker arms into the stud bolts of the cylinder head. 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).

**Note:** The contact surfaces must be clean. Bad and unclean surfaces cause oil pressure loss.

6. Adjust the valve clearance (see Job No. 00-3).
7. Operate the engine for a short time and check whether a sufficient quantity of oil sprays from the grooves (8) of all 4 rocker arm brackets (see Figure 05-1/1 and 05-2/3).
8. Fit the cylinder head cover using a faultless gasket. Slide aluminium rings over the studs, screw on the mounting nuts, but do not tighten excessively in order to avoid bending of the cylinder head cover (see list of cylinder head covers, page 01-3/5).

9. Install the air filter.

10. Operate the engine and check the cylinder head cover for leaks.