

B. OM 621

The valve clearance should be checked and adjusted with cold engine only.

1. Remove air filter and cylinder head cover.
2. Check tightening torque of the cylinder head bolts and the necked-down bolts for mounting of the rocker arm brackets, if necessary, tighten as specified (see Job No. 00-1).
3. Set the cam of the respective valve in such a way that the base circle of the cam is facing the sliding surface of the rocker arm (see fig. 00-3/4).

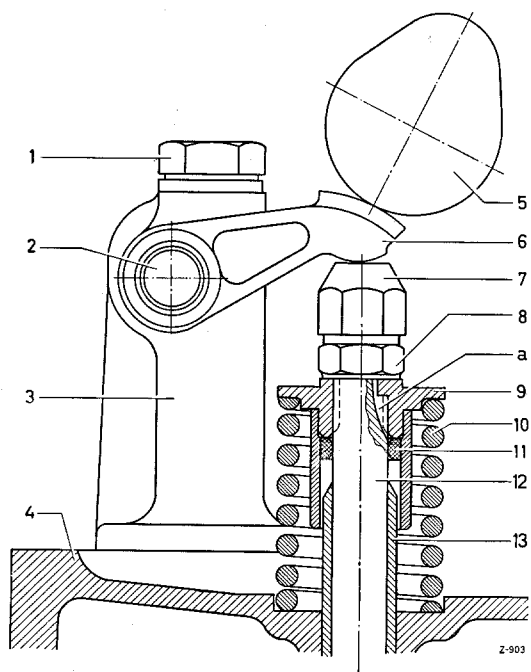


Figure 00-3/4

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|------------------------|---|
| a Groove in valve stem | 8 Hex. nut |
| 1 Necked-down bolt | 9 Valve spring retainer with seal ring holder |
| 2 Rocker arm shaft | 10 Valve spring |
| 3 Rocker arm bracket | 11 Rubber seal ring |
| 4 Cylinder head | 12 Valve stem |
| 5 Camshaft | 13 Valve guide |
| 6 Rocker arm | |
| 7 Cap nut | |

4. Use a feeler gauge to measure the valve clearance. The feeler gauge (15) must be moved **between the rocker arm (6) and the cap nut (7)** with slight resistance (see fig. 00-3/4 and 00-3/5).

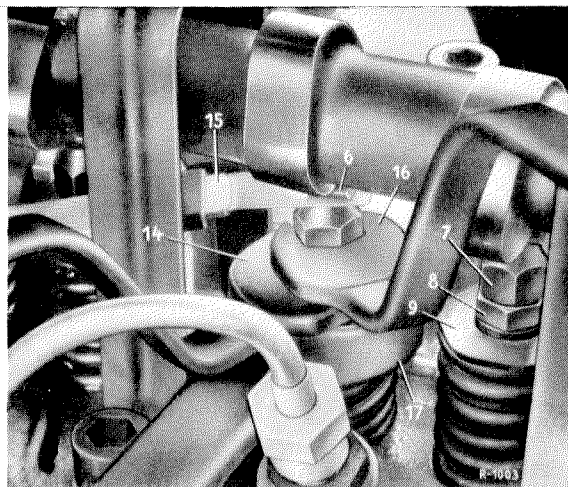


Figure 00-3/5

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|---|---|
| 6 Rocker arm | 15 Feeler gauge with holder |
| 7 Cap nut | 16 Special wrench, part No. 621 589 00 01 for resetting and counterholding of cap nut (7) |
| 8 Hex. nut | 17 Special wrench, part No. 621 589 00 03 for retaining of valve on valve spring retainer (9) |
| 9 Valve spring retainer with seal ring holder | |
| 14 Special wrench, part No. 621 589 01 01 for loosening and tightening hex. nut (8) | |

5. For correction of the valve clearance, use special wrench (14) to loosen the hex. nut (8) on the valve; to do this, counterhold the cap nut (7) with the help of special wrench (16). Then adjust the specified clearance (see Job No. 00-0) by resetting the cap nut (7) using special wrench (16). Should, during the adjusting work, the valve turn with the cap nut, do not fail to retain the valve on the hexagon of the valve spring retainer (9) using special wrench (17). After adjustment of the cap nut (7), secure same by tightening the hex. nut (8) and then check the valve clearance again (see fig. 00-3/4 and 00-3/5).

6. Mount the cylinder head cover, observing the correct position of the rubber seal. If necessary, replace the seal rings for the mounting screws.

Further check to see whether the wire cable (18) moves freely in the slot of the stop angle on the toggle lever (24) when depressing the accelerator pedal (see fig. 00-11/2).

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