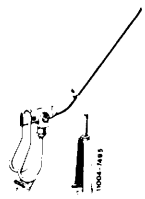
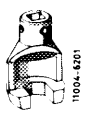
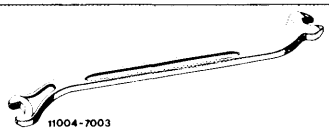
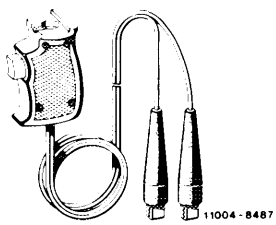
05–212 Replacing threaded bushing and valve adjusting screw

Valve clearance	Cold engine (approx. 20 °C)	Warm engine (60 °C ± 15 °C)
Intake	0.10[1])	0.15[1])
Exhaust	0.25	0.30

[1]) 0.05 mm more for consistent outside temperatures below –20 °C.

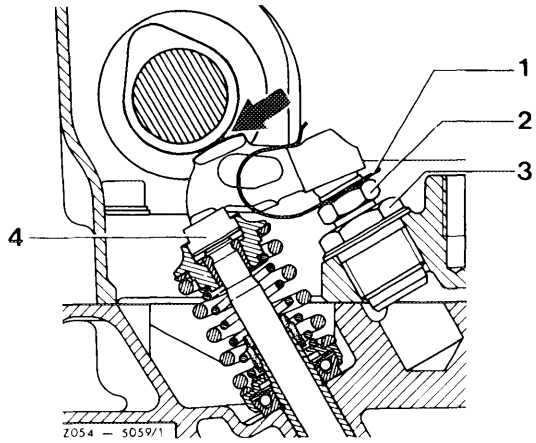
Tightening torques	Nm
Cylinder head cover bolts and capped nuts	5
Cylinder head threaded bushing	80
Valve adjusting screw	20–40

Special tools

Depressor for valve spring		110 589 04 61 00
Valve adjusting wrench 17 mm, 1/2" square, for checking torque of adjusting screw		110 589 00 01 00
Valve adjusting wrench 17 mm		110 589 01 01 00
Contact grip to turn engine (part of compression recorder 001 589 46 21 00)		001 589 46 21 08

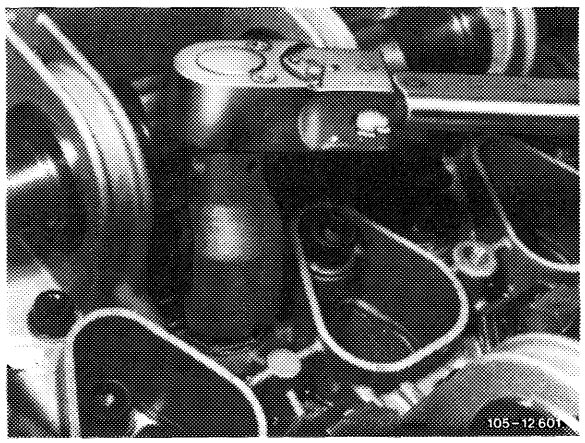
Note

If torque of valve adjusting screw is less than 20 Nm (2 kpm), replace valve adjusting screw (2) or threaded bushing (3) with valve adjusting screw (2).



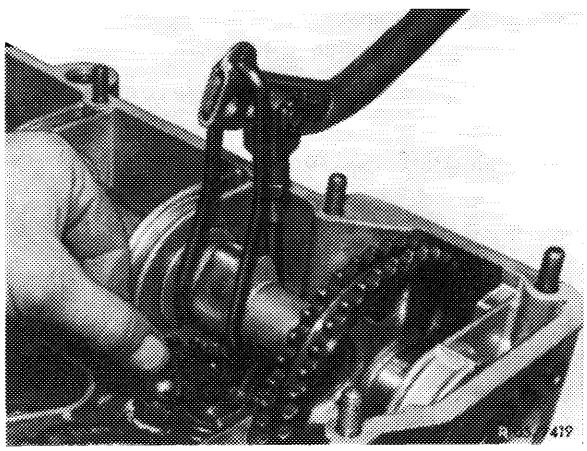
1 Spring clamp
2 Valve adjusting screw
3 Threaded bushing
4 Pressure pad

The torque can be checked with a valve adjusting wrench, part number 110 589 00 01 00 and a torque wrench (e. g. part number 000 589 27 21).

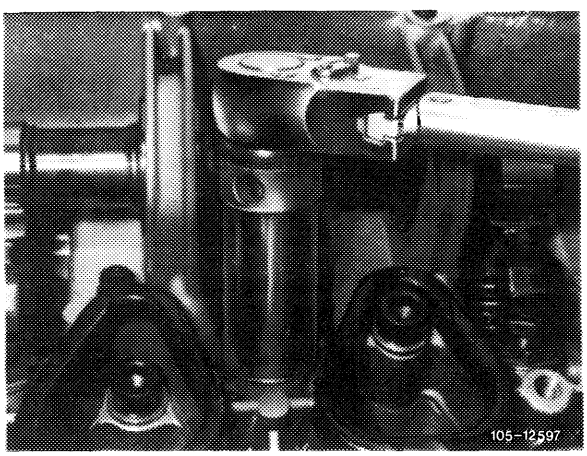


Replacing

1 Remove rocker arms (05–230).



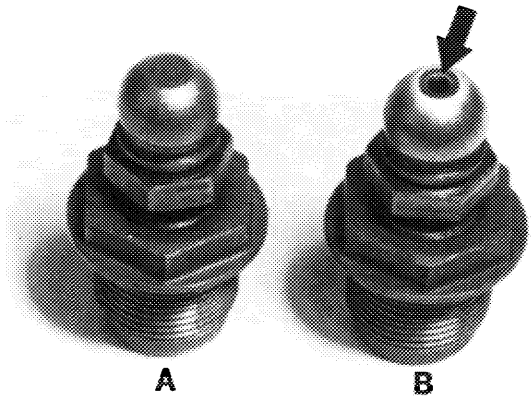
2 Unscrew threaded bushing with valve adjusting screw.



Attention!
Only use valve adjusting screws with an oil bore (arrow).

3 Coat threads of threaded bushing with valve adjusting screw with tallow, install and tighten threaded bushing to a torque of 80 Nm (8 kpm).

Attention!
Threaded bushing must be free of burrs when installing, since these would find their way into the oil circuit.



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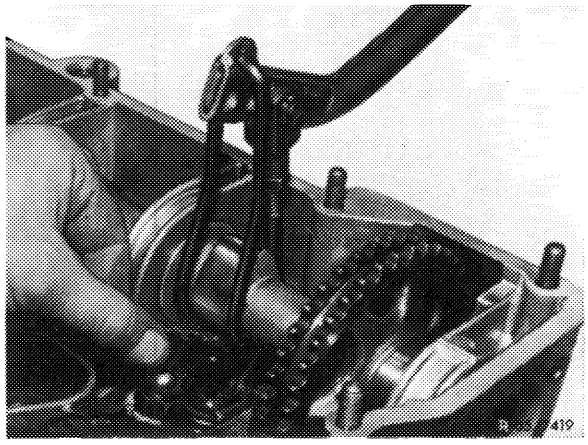
4 Install rocker arms (05–230).



5 Adjust valve clearance (05–210).