Cold engine (ca. 20 °C)	Warm engine (60 $^{\circ}$ C \pm 15 $^{\circ}$ C)
0.101)	0.151)
0.25	0.30
emperatures below -20 °C.	
	Nm
inuts	5
	100
linder head and crankcase	25
rockets	80
	25
	110 589 04 61 00
11004-8133	001 589 65 09 00
ic unit)	116 589 20 33 00
الرئيسية 11004-5368	116 589 01 34 00
	116 589 01 01 00
64444444444444444444444444444444444444	110 589 03 31 00
11004-4192	000 589 05 07 00
	110 589 00 62 00
-	0.10¹) 0.25 Inuts In

Chain tensioner holder		110 589 02 31 00
Assembly mandrel for valve stem seals intake and exhaust 9 mm dia.	<u> </u>	116 589 00 43 00
Installation mandrel for exhaust valve stem seals 11 mm dia.	1004.6191	116 589 01 43 00
Magnetic lifter for valve collets	11004 - 6202	116 589 06 63 00
Valve adjusting wrench 17 mm	11004-7003	110 589 01 01 00

Note

Remove camshaft housing with camshafts (01-470) and pertinent valve springs (05-250) to replace valve stem seals.

Valve stem seals are supplied in a repair kit with assembly sleeves.

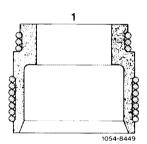
The exhaust valve stem seal with 9 mm ID for engines starting April 1978 (emission-controlled engines starting model year 1980) has a holding bead inside (arrow) Do not mix up with intake valve stem seal without holding bead.

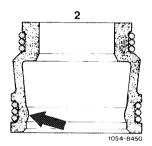
Valve guides, which are worn at the groove for the valve stem seal, must be replaced.

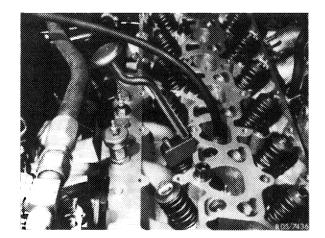
Valve stem seals

Repair set 123 586 03 05 (up to April 1978 or up to model year 1980 (SA)).

Repair set 110 586 03 05 (starting April 1978 or starting model year 1980 (USA)).





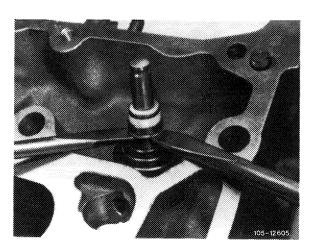


Replacing

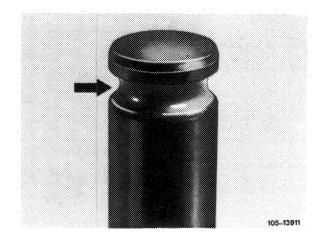
1 Press off valve stem seals.

Attention!

Don't damage valve stem and valve guide.

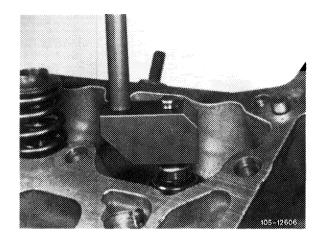


- 2 Deburr valve stem at groove (arrow).
- 3 Replace dented valve cones and spring retainers.
- 4 Check Rotocap and replace if necessary.



5 Lubricate valve stem seals and install with installation mandrel.

Use assembly sleeve on intake valve.



6 Install valve springs (05-250) and camshaft housing (01-470).

