

## 05–210 Inspection and adjustment of valve clearance

Valve clearance	with engine cold (approx. 20 °C)	with engine warm (60 °C ± 15 °C)
Intake	0.10 <sup>1)</sup>	0.15 <sup>1)</sup>
Exhaust	0.35	0.40

1) 0.05 mm higher during lasting outside temperatures below –20 °C.

Tightening torque	Nm
Nuts for cylinder head cover	15

### Special tools

Valve adjusting wrench 14 mm (2 each)	 11004-6356	615 589 00 01 00
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Holding wrench for valve spring retainer	 11004-7118	615 589 00 03 00
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Slip gage holder, red	 11004-6364	617 589 00 40 00
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Slip gage blades	0.10 mm thick	617 589 00 23 00
	0.15 mm thick	617 589 01 23 00
	0.20 mm thick	117 589 00 23 00
	0.35 mm thick	617 589 03 23 00
	0.40 mm thick	617 589 04 23 00

Socket 27 mm, 1/2" square for rotating engine	 11004-6193	001 589 65 09 00
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Contact handle for rotating engine (component of compression pressure recorder 001 589 46 21 00)	 11004-6487	001 589 46 21 08
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### Note

Check valve clearance with engine cold or warm and adjust, if required.

During adjustment, check cap nut and counternut for tight seat and wear.

#69 Valve Rotator

63 Cap nut  
63a Counternut

