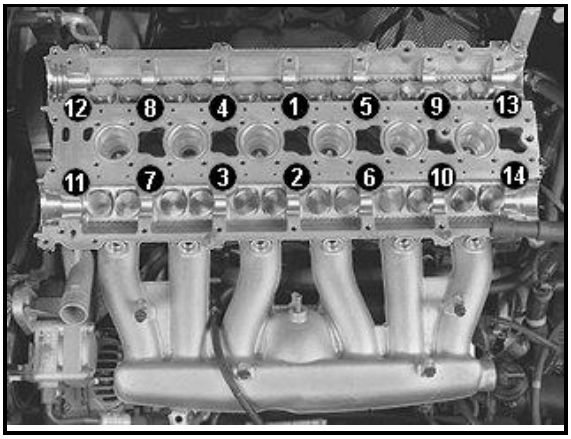
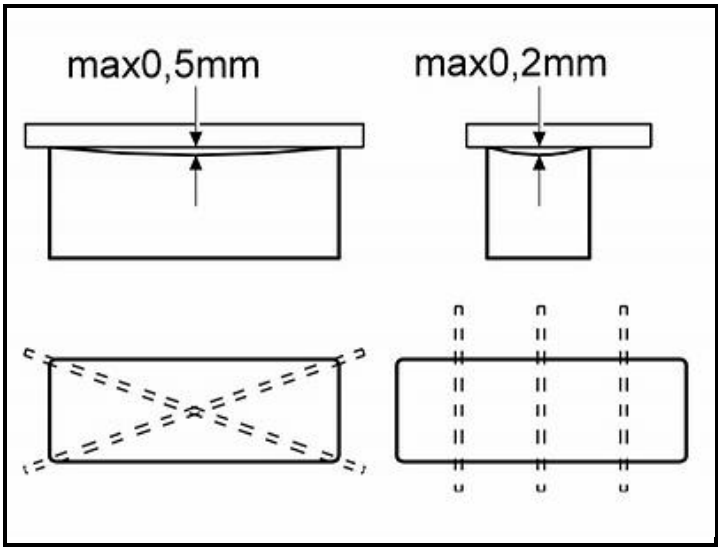
Cylinder Head Bolts



Always replace the cylinder head bolts
First pass ..... 20 Nm
Second pass ..... 60 Nm
Final pass ..... Tighten 130°

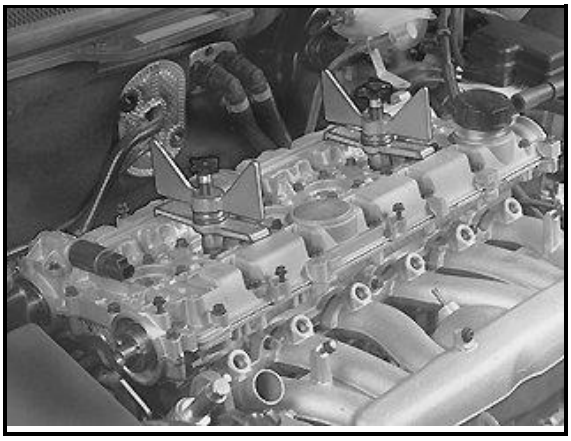
Cylinder Head Inspection



Front-rear ..... 0.50 mm
Lateral ..... 0.20 mm
Cylinder head height, new cylinder head ..... 129.0 ± 0.05
Maximum machining ..... 0.30 mm

Intake Manifold Bolts ..... 20 Nm

Camshaft Cover Screws



First pass: Install camshaft cover
Second pass: Install press tools 999 5454
Third pass: Tighten camshaft cover screws alternately, keeping it parallel to cylinder head using press tools
Final pass: Install all screws and tighten

Timing Gear Pulley
Camshafts Without Variable Valve Timing ..... 20 Nm
Camshafts With Variable Valve Timing ..... 10 Nm

Variable Valve Timing
Center screw ..... 120 Nm
Center plug ..... 35 Nm

Exhaust Manifold

For exhaust manifold and turbocharger tightening torques, see: Tightening torque. See: Engine > Mechanical > Tightening Torque

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