

01-420 Pressure-testing cylinder head

Preliminary operations:

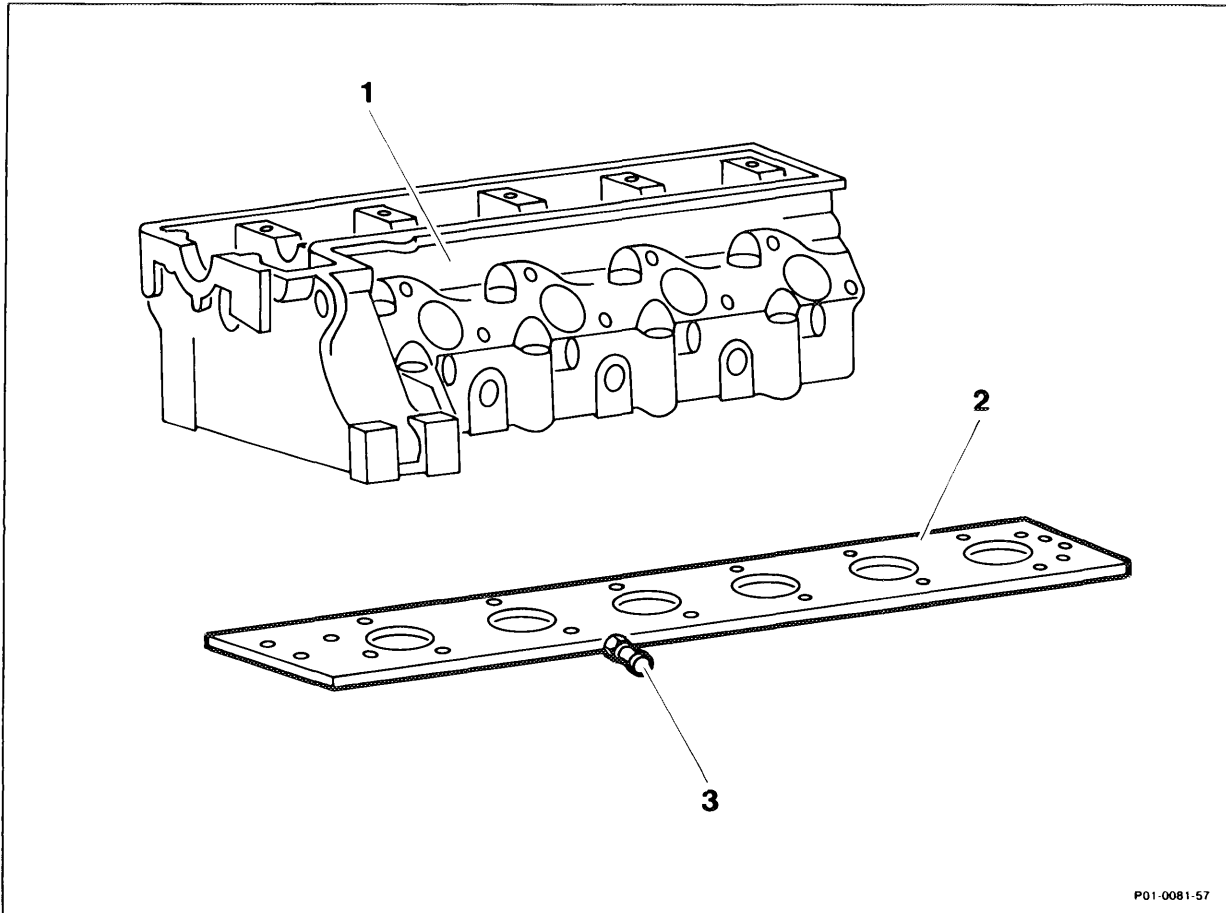
Cylinder head removed (01-415).

Camshaft removed (05-220).

Valves removed.

Valve shaft seals removed (05-270).

Cooling water return fitting removed.



P01-0081-57

Cylinder head (1)	clean.
Pressure plate (2)	bolt onto cylinder head with rubber sealing plate 601 589 00 25 00, unbolt.
Connection for cooling water return fitting and heater feed line	on cylinder head, plug tightly.
Compressed air	connect to fitting (3) on pressure plate and allow compressed air to flow into cylinder head at pressure of 2 bars.
Cylinder head (1) with pressure plate (2)	fasten to suspension device 115 589 34 63 00 and immerse in water preheated to approx. 80 °C.

Cylinder head (1) check for air bubbles exiting.

Note

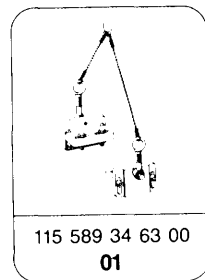
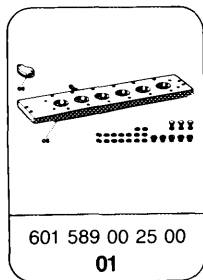
Air bubbles indicate a leak, locate exit point for air bubbles more precisely if possible.

Data

Test pressure with air under water

2 bar

Special tools



Commercially available tool

Electrically heated water basin

e.g. Otto Dürr,
D-7123 Sachsenheim-
Ochsenbach
