

Valves: Adjustment

M4R

- ☐ The engine and gearbox assembly must be removed to adjust the valves (see **10A, Engine and cylinder block assembly, Engine - gearbox assembly: Removal - Refitting**, page **10A-113**) .
- ☐ For the valve adjustment procedure (see **Cylinder head: Rebuilding**) (Technical Note 6020A, 10A, Engine and peripherals).

Oil pressure: Check

D4F or F4R or K4J or K4M or K9K or M4R

Special tooling required

Mot. 836-05	Oil pressure gauge kit.
Mot. 1495-01	22 mm socket for removal - refitting of oxygen sensors.

Oil pressure tables:

Engine	Minimum oil pressure (bar)		Maximum oil pressure (bar)
	Idling speed	4000 rpm	4000 rpm
F4R	0.8	3.7	5.3
K4J/K4M	0.5	3.1	4.4
K9K	0.8	3.4	5.2
M4R	1.0	5.5	7.3

Engine	Minimum oil pressure (bar)		Maximum oil pressure (bar)
	Idling speed	3000 rpm	3000 rpm
D4F	1.5	3.9	5.3

End pieces to be used:

Engine	End pieces
F4R	B + F
K4J/K4M	E + C + F
K9K	E + C + F
M4R	Mot. 1658 + F
D4F	C + F

REMOVAL

**WARNING**

Always check the oil level using the dipstick.

Do not exceed the maximum level on the dipstick (could destroy the engine).

Correct the engine oil level if necessary before delivering the vehicle to the customer.

Note:

When topping up the engine oil, always leave at least **10 minutes** before checking the level with a dipstick.

CHECK

- ☐ Remove the oil pressure sensor (see **10A, Engine and cylinder block assembly, Oil pressure sensor: Removal - Refitting**, page **10A-40**).