

P18-5324-57	P18	-532	4-57
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ו	0 - 10 bar pressure gauge 103 589 00 21 01	6	Seal
2	T valve	B5	Oil pressure sensor
3	Pressure pipe A	7	Oil filter
4	Pressure pipe B	10	Rpm meter
5	M12×1.5 pipe fitting	X11	Diagnostic socket

Engine oil temperature	set to 90 °C
Oil level in engine	check, adjust to correct level (18-0020)
Oil pressure sensor (B5)	remove, install
Threaded pipe fitting (5) with seal (6)	screw on in place of oil pressure sensor (B5)
Pressure gauge (1) with pressure pipe (3)	connect

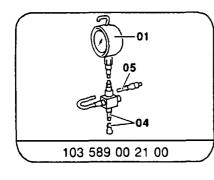
T valve (2) at pressure gauge (1)	close (turn to closed position)	
Oil pressure at stated engine speed	measure and compare with figures in table	

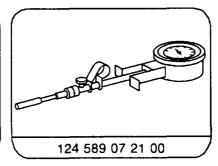
Engine oil pressure (reference values) 2)

Engine speed in rpm	Engine oil pressure in bar		
	at 90 °C engine oil temperature	at 130 °C engine oil temp.	
6001)	0.7	0.6	
750	0.9	0.9	
1000	2.0	1.3	
2000	4.3	3.5	
3000	4.6	4.4	
4000	4.8	4.6	
5000	5.0	4.7	

¹⁾ With drive position engaged

Special tool





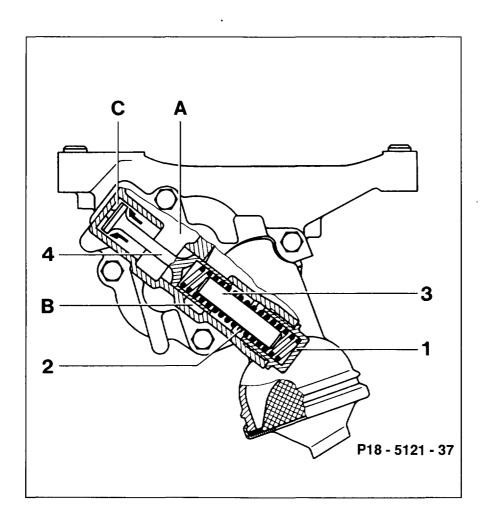
Commercially available tools

M12×1.5 pipe fitting (5)	915 006 004 002 (DIN)
Rpm meter (10)	eg. engine tester or multimeter

At operating temperature the oil pressure at idle speed must drop to 0.3 bar. When the throttle is depressed, the oil pressure must rise immediately and be at least 3 bar at an engine speed of 3000 rpm.

Note re oil pressure relief valve

The damped oil pressure relief valve with 2 flats (arrows) at the piston (4) is integrated in the oil pump and opens at a pressure of 5 bar.



1	Screw plug	Α	Pressure chamber (feed)
2	Compression spring (102.9 mm long)	В	Suction chamber (return)
3	Guide pin (45 mm long)	С	Damping chamber
4	Piston with 2 flats		