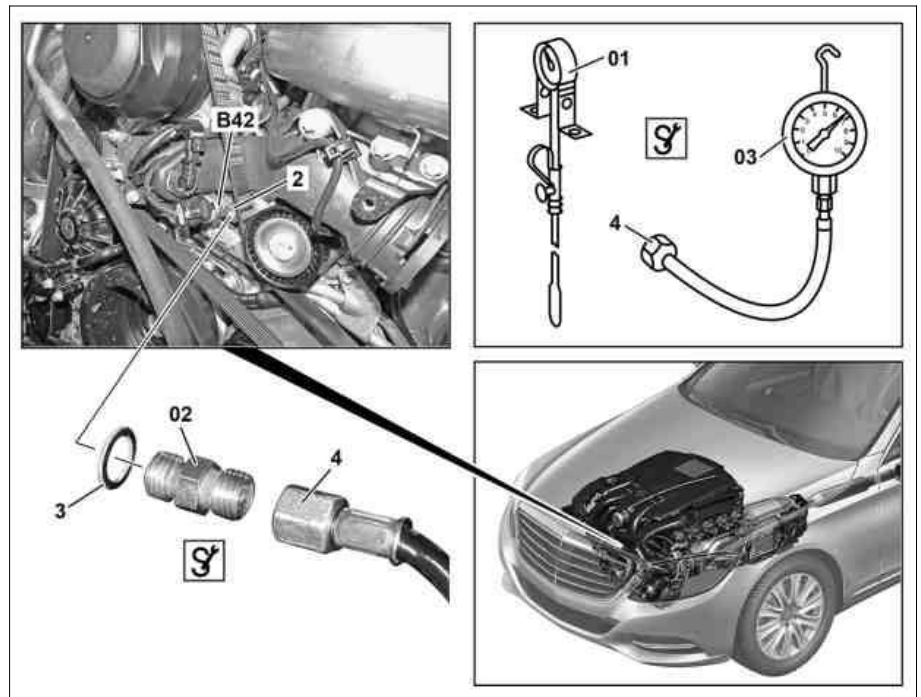











Engine 157, 278 in model 217, 222

Shown on MODEL 222.082

- 01 Remote thermometer  
 02 Double union  
 03 Tester  
 2 Banjo bolt  
 3 Sealing ring  
 4 Hose connection  
 B42 Engine oil pressure sensor




P18.00-2333-06

	Check		
1	Run engine until warm		
2	Check engine oil temperature with remote thermometer (01)	<p><b>i</b> The engine oil temperature must be at least 100°C.</p> <p><b>i</b> Guide temperature sensor of  remote thermometer (01) through the oil dipstick guide tube into the engine oil.</p> <p> Remote thermometer</p>	*124589072100
3	Check engine oil level approx. 5 min. after switching off the engine at operating temperature and correct if necessary	<p>Engine 157 in model 217, 222</p> <p>Engine 278 in model 217, 222</p>	<p>AP18.00-P-0101EWG</p> <p>AP18.00-P-0101EW</p>
 	<b>Remove/install</b>		
4	Remove front engine cover		
5	Disconnect the electrical connection at the engine oil pressure sensor (B42)		
6	Remove banjo bolt (2) and detach engine oil pressure sensor (B42) with oil pipe	<p><b>i</b> <b>Installation:</b> Install new sealing rings.</p> <p><b>Nm</b> Engine 157 in model 217, 222 Banjo bolt, oil distributor to oil filter housing</p> <p><b>Nm</b> Engine 278 in model 217, 222 Banjo bolt, oil duct to oil filter housing</p>	<p>*BA18.20-P-1005-01Z</p> <p>*BA18.20-P-1008-01Y</p>
7	Screw in double union (02) with sealing ring (3) into the hole in the oil filter housing	 Double connection	*166589006300
8	Mount hose connection (4) of test equipment (03) on double union (02)	 Tester	*103589002100
	<b>Measure using pointer device</b>		
9	Start engine and measure oil pressure	<p><b>w</b></p> <p> Position test equipment (03) in such a way that it is not caught by the poly-V belt when starting the engine. Damage can occur otherwise to the  test equipment (03) and on the poly-V belt.</p> <p><b>i</b> Measure oil pressure at the engine operating temperature. When the throttle is opened, the oil pressure must rise without any delay.</p>	


		Check values for oil pressure at	*BE18.00-P-1001-01B
10	Install in the reverse order		
11	Check engine oil level approx. 5 min. after switching off the engine at operating temperature and correct if necessary	Engine 157 in model 217, 222 Engine 278 in model 217, 222	AP18.00-P-0101EWG AP18.00-P-0101EW
12	<b>Risk of accident</b> from vehicle starting off by itself when engine running. <b>Risk of injury</b> (bruises and burns) resulting from working on the engine while it is being started or when it is running. Carry out an engine test run and check engine for leaktightness	Secure vehicle to prevent it from starting off by itself. Wear closed and snug-fitting work clothes. Do not touch hot or rotating parts.	AS00.00-Z-0005-01A

Check values for oil pressure

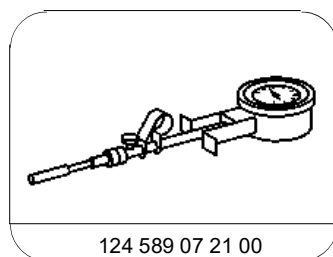
Number	Designation	Engine 157, 278
BE18.00-P-1001-01B	Check values for oil pressure at  operating temperature (engine oil)	° C 90
		Rpm 1/min 600
		Oil pressure bar 0,9...1,1
		Rpm 1/min 2500
		Oil pressure bar 1,7...2,3
		Rpm 1/min 3500
	Oil pressure bar 3,5...5,0	

 Oil filter

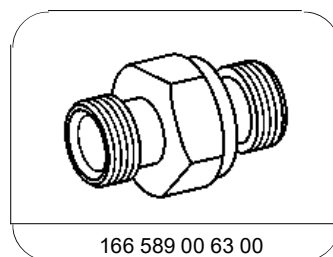
Number	Designation	Engine 157
BA18.20-P-1005-01Z	Banjo bolt, oil distributor to oil filter housing	Nm 15

 Oil filter

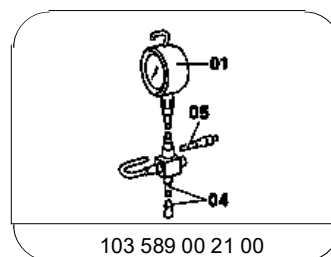
Number	Designation	Engine 278
BA18.20-P-1008-01Y	Banjo bolt, oil duct to oil filter housing	Nm 20



Remote thermometer



Double connection



Tester