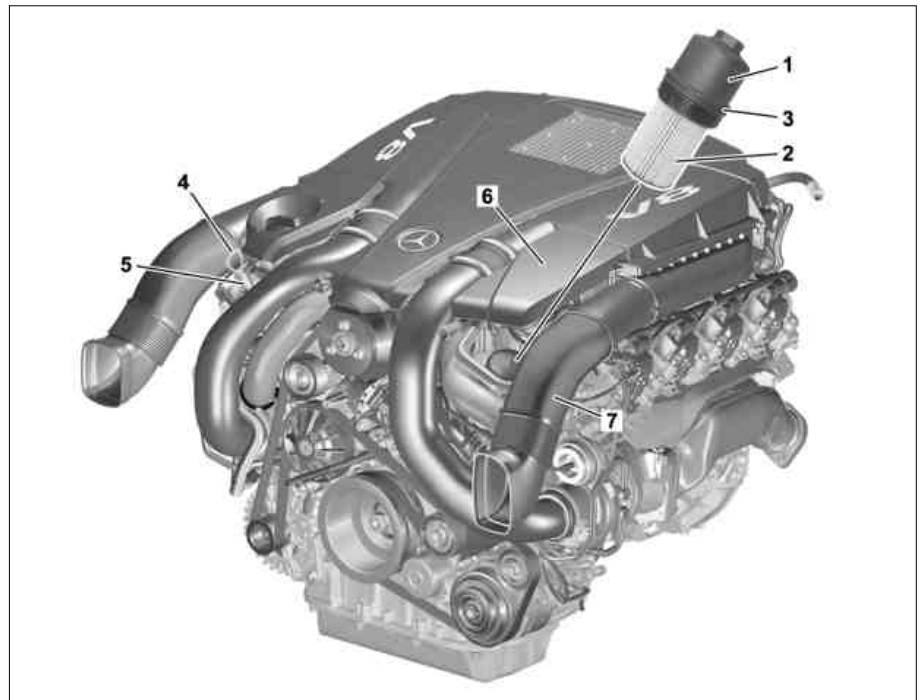








Engine 278 in model 207, 212, 217, 218, 222, 231


- 1 Oil filter screw-on cover
- 2 Oil filter element
- 3 Sealing ring
- 4 Oil dipstick
- 5 Oil measuring pipe
- 6 Left front engine cover
- 7 Left engine suction air duct




P18.00-2342-06

<b>⚠ Danger !</b>	<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.	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
<b>⚠ Danger !</b>	<b>Risk of injury</b> to skin and eyes due to handling of engine oil. <b>Risk of poisoning</b> caused by swallowing engine oil	Wear protective gloves, protective clothing and safety glasses. Do not fill engine oil into beverage containers.	AS18.00-Z-0001-01A
<b>i</b>	Notes on engine oil and filter changes		AH18.00-P-0104-01A
<b>↔</b>	<b>Remove</b>		
1	Allow engine to warm up	<b>i</b> Coolant temperature min. 80 °C.	
2	Pull oil dipstick (4) out of oil measuring pipe (5) and wipe with a lint-free cloth	<b>i</b> The oil dipstick (4) and oil measuring pipe (5) can be at the front or rear of the engine (depending on the model series).	
3	Suction off engine oil using oil measuring pipe (5)		
<b>WS</b>	000 588 05 82 00 Oil extraction sensor		WS18.00-P-0027B
4.1	Remove left front engine cover (6)	Depending on the model series involved, either the left front engine cover (6) or the left engine air intake duct (7) has to be removed so to gain access to the oil filter cap_(1).	
4.2	Remove left engine air intake duct (7)	Depending on the model series involved, either the left front engine cover (6) or the left engine air intake duct (7) has to be removed so to gain access to the oil filter cap_(1).	
5	Remove oil filter threaded cap (1)	<b>i</b> Unscrew the oil filter threaded cap (1) (depending on the version) using a <b>🔧</b> socket wrench bit. <b>🔧</b> Wrench socket	*103589020900
6	Remove oil filter threaded cap (1)		
7	Replace oil filter element (2)		
8	Replace sealing ring (3)		
<b>↔</b>	<b>Install</b>		
9	Install oil filter threaded cap (1)	<b>i</b> Unscrew the oil filter threaded cap (1) (depending on the version) using <b>🔧</b> socket. <b>Nm</b> Mount, oil filter housing cover <b>🔧</b> Wrench socket	*BA18.20-P-1001-01Y *103589020900
10	Remove engine oil extractor		

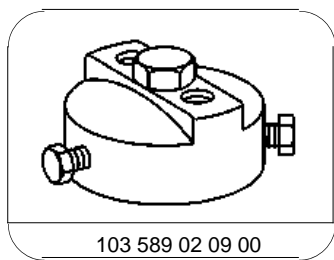
11	Insert clean oil dipstick (4) into oil measuring pipe (5)		
12	Pour in engine oil	 Use only approved engine oils. Engine damage can occur otherwise.  Engine oil	*BF18.00-P-1001-01M
	<b>Check</b>		
13	Run engine until it is at operating temperature, and check for leaktightness	 Coolant temperature min. 80 °C.  In the event of leakage: ↓ Determine and rectify cause, subject to separate repair order.	
14	Turn off engine		
15	Check engine oil level using oil dipstick (4); correct if necessary	 Insert oil dipstick (4) into the oil measuring pipe (5) until the end stop and hold in for a duration of at least 3 seconds.	AP18.00-P-1811MP
	<b>Install</b>		
16.1	Install left front engine cover (6)	If the left front engine cover (6) was removed.	
16.2	Install left engine air intake duct_(7)	If the left engine air intake duct (7) was removed.	

 Oil filter

Number	Designation	Engine 278
BA18.20-P-1001-01Y	Mount, oil filter housing cover	Nm 25

 Engine lubrication

Number	Designation	Engine 278.910/922/927/929
BF18.00-P-1001-01M	Engine oil	Oil filling capacity with Liter oil filter
		Sheet
		Sheet
		Sheet
		Sheet
		8,0
		-
		-
		BB00.40-P-0229-05 A
		-



103 589 02 09 00

Wrench socket