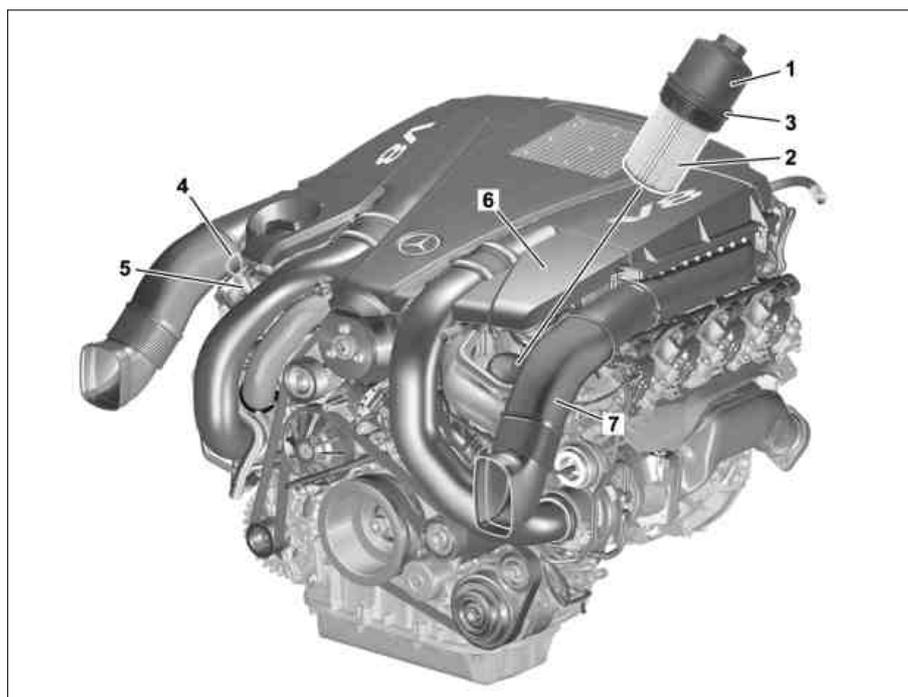


ENGINE 278 in MODEL 207, 212, 217, 218, 222, 231

- 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

⚠ Danger !	Risk of accident from vehicle starting off by itself when engine running. Risk of injury (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
⚠ Danger !	Risk of injury to skin and eyes due to handling of engine oil. Risk of poisoning 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
i	Notes on engine oil and filter changes		AH18.00-P-0104-01A
✕	Remove		
1	Allow engine to warm up	i Coolant temperature min. 80 °C.	
2	Pull oil dipstick (4) out of oil measuring pipe (5) and wipe with a lint-free cloth	i 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)	Engine oil suction unit - stationary gotis://S_18.1_01.1 Engine oil suction unit - mobile gotis://S_18.1_02.0	
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)	i Unscrew the oil filter threaded cap (1) (depending on the version) using a   Wrench socket	*103589020900
6	Remove oil filter threaded cap (1)		
7	Replace oil filter element (2)		
8	Replace sealing ring (3)		
✕	Install		
9	Install oil filter threaded cap (1)	i Unscrew the oil filter threaded cap (1) (depending on the version) using  socket.	

		Mount, oil filter housing cover 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
	Check		
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) all the way into the oil measuring pipe (5) and leave for at least 3 s.	AP18.00-P-1811MP
	Install		
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

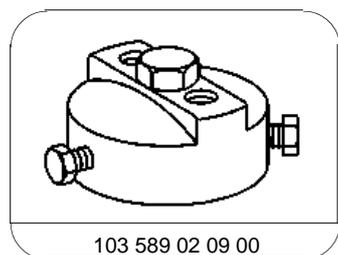
Number	Designation	ENGINE 278
BA18.20-P-1001-01Y	Mount, oil filter housing cover	Nm 25

Engine lubrication

Number	Designation	ENGINE 278.910	ENGINE 278.922	
BF18.00-P-1001-01M	Engine oil	Oil filling capacity with oil filter Liter	8	8,0
	Sheet		-	-
	Sheet		-	-
	Sheet		BB00.40-P-0229-05A	BB00.40-P-0229-05A
	Sheet		-	-

Engine lubrication

Number	Designation	ENGINE 278.927	ENGINE 278.929	
BF18.00-P-1001-01M	Engine oil	Oil filling capacity with oil filter Liter	8,0	8,0
	Sheet		-	-
	Sheet		-	-
	Sheet		BB00.40-P-0229-05A	BB00.40-P-0229-05A
	Sheet		-	-



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Wrench socket