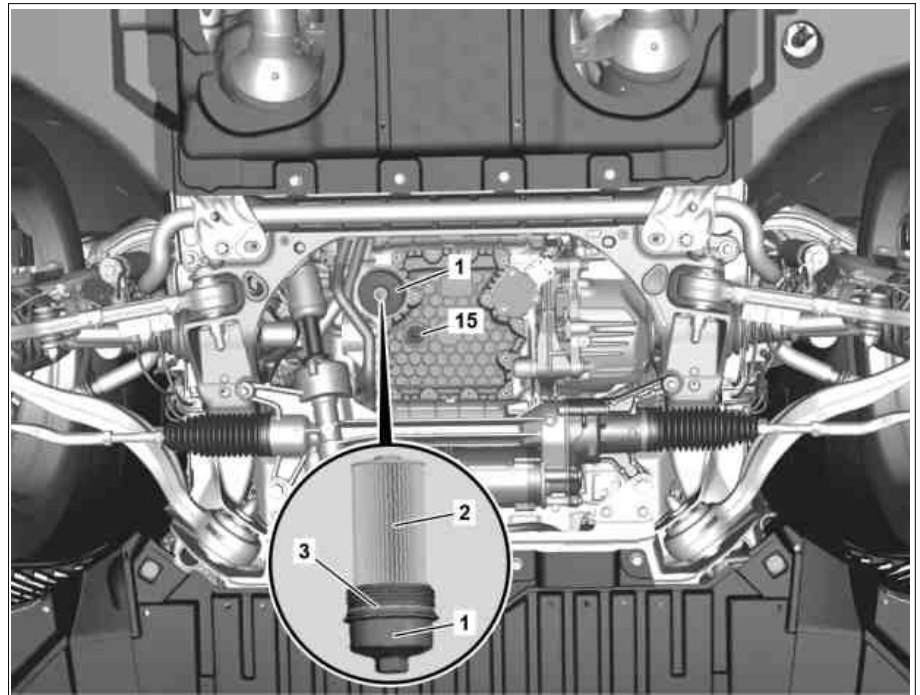


Engine 177 in model 213, 217, 222

Shown on engine 177 in model 213

- 1 Oil filter cover
 2 Oil filter element
 3 Sealing ring
 15 Drain screw



P18.00-2440-06

Warning	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
	Risk of death caused by vehicle slipping or toppling off of the lifting platform.	Align vehicle between vehicle lift columns and position the four support plates at the vehicle lift support points specified by the vehicle manufacturer.	AS00.00-Z-0010-01A
Caution	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
	Notes on engine oil and filter changes		AH18.00-P-0104-01A
	Remove		
1	Allow engine to warm up	Engine oil temperature ≥ 90 °C.	
2	Switch off engine		
3	Remove center engine compartment paneling		
		Model 213	AR61.20-P-1105LWE
		MODEL 217, 222	AR61.20-P-1105LF
4	Remove drain screw (15) and drain engine oil	Dispose of old drain screw (15) .	
5	Unscrew oil filter cover (1)	Unscrew oil filter cover (1) far enough from oil filter housing so that the engine oil can drain out of the oil filter and oil filter housing.	
6	Remove oil filter cover (1)		
	Install		
7	Replace oil filter element (2)		
8	Replace sealing ring (3)		
9	Install oil filter cover (1)	Oil filter cover to oil pan	*BA01.45-P-1002-01Y
10	Screw-in new drain screw (15)	Plastic drain screw to oil pan	*BA01.45-P-1007-01Y
11	Install center engine compartment paneling	Model 213	AR61.20-P-1105LWE
		MODEL 217, 222	AR61.20-P-1105LF
12	Add engine oil	Use approved engine oils SAE 0W-40 or 5W-40 only. Engine damage can occur otherwise. Engine oil filling capacity (oil change and filter change)	*BF18.00-P-1001-01DA

	Check		
13	Run engine until it is at operating temperature, and check for leak tightness	i Engine oil temperature ≥ 90 °C. In the event of leakage ↓ Determine and rectify cause, subject to separate repair order.	
14	Check engine oil level using instrument cluster, correct if necessary		AP18.00-P-1812DKI

Nm Oil pan

Number	Designation		Engine 177
BA01.45-P-1002-01Y	Oil filter cover to oil pan	Nm	25

Nm Oil pan

Number	Designation		Engine 177
BA01.45-P-1007-01Y	Plastic drain screw to oil pan	Maximum Nm	4

l Engine lubrication system

Number	Designation		Engine 177
BF18.00-P-1001-01DA	Engine oil filling capacity (oil change and filter change)	l	9
	Sheet		BB00.40-P-0223-02 A