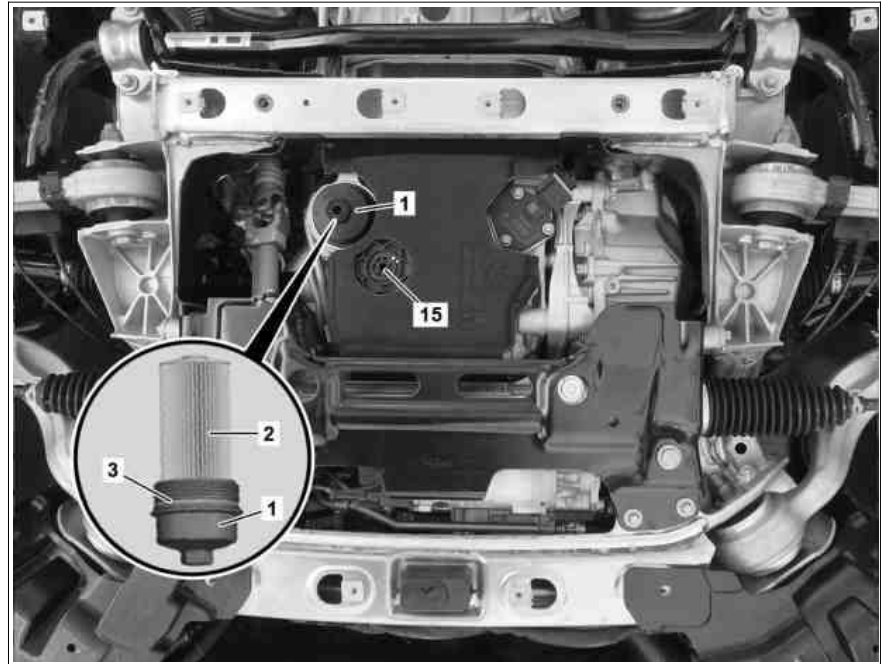


Engine 176 in model 217, 222

Shown on model 222 with code M005 (4MATIC) with drain screw (15) made of plastic

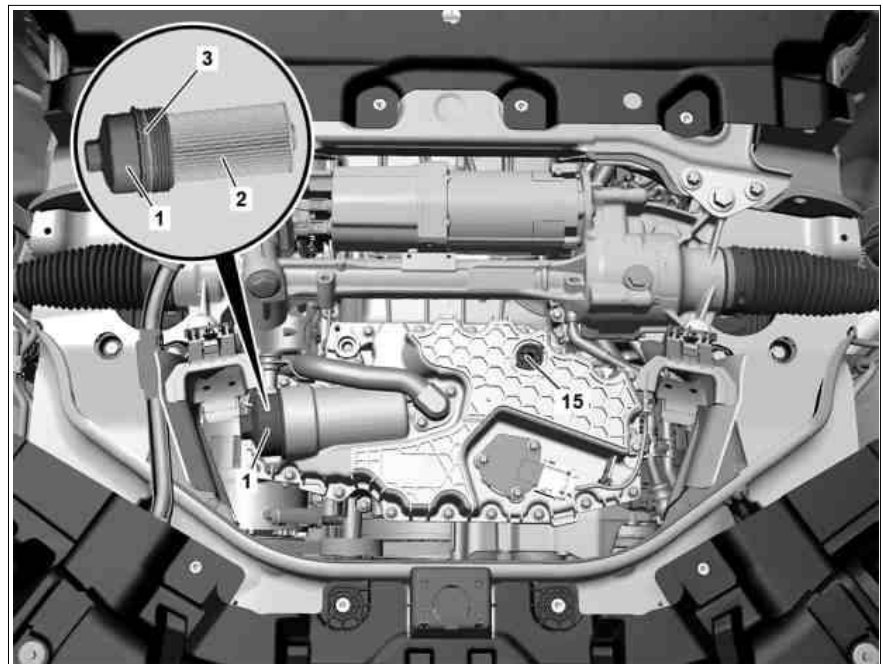
- 1 Oil filter cover
- 2 Oil filter element
- 3 Sealing ring
- 15 Drain screw



P18.00-2444-06

Shown on model 222 except code M005 (4MATIC) with drain screw (15) made of plastic

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



P18.00-2443-06

<p>⚠ Warning</p>	<p>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.</p>	<p>Secure vehicle to prevent it from starting off by itself. Wear closed and snug-fitting work clothes. Do not touch hot or rotating parts.</p>	<p>AS00.00-Z-0005-01A</p>
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	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	Run engine to warm it up.	Coolant temperature at least 80 °C.	
2	Switch off engine.		
3	Remove center engine compartment lining.		AR61.20-P-1105LF
AR			
4	Unscrew drain screw (15) and drain engine oil.	Dispose of old plastic drain screw (15).	
5	Remove 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	Replace sealing ring of drain screw (15).	With metal drain screw (15).	
11.1	Screw in drain screw (15).	Metal drain screw (15). Metal drain screw to oil pan bottom section	*BA01.45-P-1004-01Y
11.2	Screw in new drain screw (15).	Plastic drain screw (15). Plastic drain screw to oil pan bottom section	*BA01.45-P-1007-01Y
12	Install center engine compartment lining.		AR61.20-P-1105LF
AR			
13	Add engine oil.	Use only approved engine oils. Engine damage can occur otherwise. Engine oil	*BF18.00-P-1001-01EA
	Check		
14	Run engine until warm and check for leak tightness.	Coolant temperature at least 80 °C. If leaks occur, ↓ determine cause and correct. After obtaining special order.	
15	Check engine oil level using instrument cluster, correct if necessary.		AP18.00-P-1812SKI

Oil pan


Number	Designation		Engine 176
BA01.45-P-1002-01Y	Oil filter cover to oil pan	Nm	25

Oil pan

Number	Designation		Engine 176
BA01.45-P-1004-01Y	Metal drain screw to oil pan bottom section	Nm	30

Oil pan

Number	Designation		Engine 176
BA01.45-P-1007-01Y	Plastic drain screw to oil pan bottom section	Maximum Nm	4

 Engine lubrication system

Number	Designation	Engine 176
BF18.00-P-1001-01EA	Engine oil	9
	Filling capacity (oil and filter change) Sheet	Liter BB00.40-P-0223-02A