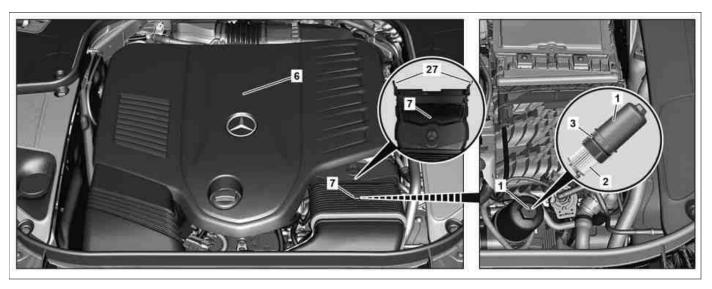
Engine 256 in model 167, 213, 222, 238, 257 (except 257.358), 290

Modification notes

19.06.2018 Engine oil BF18.00-P-1001-01MRT



P18.00-2445-08

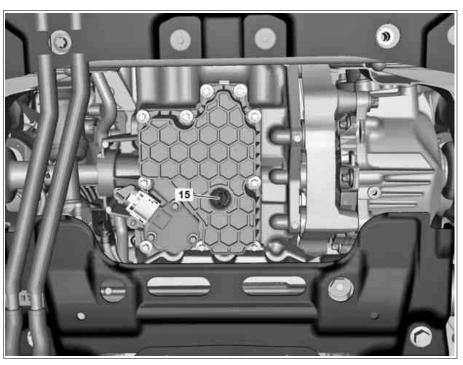
Shown on model 222.159

- 1 Oil filter cover
- 2 Oil filter element
- 3 Sealing ring

Shown on model 222.159

15 Drain screw

- 6 Engine cover 7 Air intake pipe
- 27 Locks



P18.00-2446-06

Risk of accident from vehicle starting off by tself when engine running. Risk of injury bruises and burns) resulting from working on he engine while it is being started or when it is unning. Risk of death caused by vehicle slipping or oppling off of the lifting platform. Risk of injury to skin and eyes due to nandling of engine oil. Risk of poisoning caused by swallowing engine oil Notes on engine oil and filter changes Remove Run engine to warm it up. Switch off engine. Remove engine cover (6). Coosen locks (27) and remove air intake pipe 7). Remove oil filter cover (1). Remove center engine compartment lining. Remove drain screw (15) at oil pan and drain engine oil. nstall Screw in new drain screw (15).	Align vehicle between vehicle lift columns and position the four support plates at the vehicle lift support points specified by the vehicle manufacturer. Wear protective gloves, protective clothing and safety glasses. Do not fill engine oil into beverage containers. i Coolant temperature at least 80 °C. Model 167, 213, 222, 238, 257, 290 Model 222 Model 213, 238, 257, 290 i 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. Model 167, 213, 222, 238, 257, 290 Model 213, 238 Model 222	AS00.00-Z-0010-01A AS18.00-Z-0001-01A AH18.00-P-0104-01A AR01.10-P-2405MRT AR01.10-P-2405MSA
Risk of death caused by vehicle slipping or oppling off of the lifting platform. Risk of injury to skin and eyes due to handling of engine oil. Risk of poisoning caused by swallowing engine oil. Notes on engine oil and filter changes. Remove Run engine to warm it up. Switch off engine. Remove engine cover (6). Loosen locks (27) and remove air intake pipe 7). Remove oil filter cover (1). Remove center engine compartment lining. Remove drain screw (15) at oil pan and drain engine oil. Install Screw in new drain screw (15).	position the four support plates at the vehicle lift support points specified by the vehicle manufacturer. Wear protective gloves, protective clothing and safety glasses. Do not fill engine oil into beverage containers. I Coolant temperature at least 80 °C. Model 167, 213, 222, 238, 257, 290 Model 222 Model 213, 238, 257, 290 I 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. Model 167, 213, 222, 238, 257, 290 Model 213, 238 Model 222 Model 257 Model 290 I Dispose of old drain screw (15).	AR01.10-P-2405MRT AR01.10-P-2405MSA AR61.20-P-1105LWE AR61.20-P-1105FR AR61.20-P-1105FR AR61.20-P-1105FRX
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Remove drain screw (15) at oil pan and drain engine oil. nstall Screw in new drain screw (15).	Model 167, 213, 222, 238, 257, 290 Model 213, 238 Model 222 Model 257 Model 290 i Dispose of old drain screw (15).	AR61.20-P-1105LF AR61.20-P-1105FR AR61.20-P-1105FRX
engine oil. nstall Screw in new drain screw (15).	Model 213, 238 Model 222 Model 257 Model 290 i Dispose of old drain screw (15).	AR61.20-P-1105LF AR61.20-P-1105FR AR61.20-P-1105FRX
engine oil. nstall Screw in new drain screw (15).	Model 257 Model 290 i Dispose of old drain screw (15).	AR61.20-P-1105FR AR61.20-P-1105FRX
engine oil. nstall Screw in new drain screw (15).	Model 290 i Dispose of old drain screw (15).	AR61.20-P-1105FRX
engine oil. nstall Screw in new drain screw (15).	i Dispose of old drain screw (15).	
engine oil. nstall Screw in new drain screw (15).		*BA01.45-P-1005-01MR
Screw in new drain screw (15).	Nm Drain screw to oil pan lower section	*BA01.45-P-1005-01MR
	Drain screw to oil pan lower section	*BA01.45-P-1005-01MR
nstall center engine compartment lining		T
5 5g 55111partinonit inining.	Model 167, 213, 222, 238, 257, 290	
	Model 213, 238	AR61.20-P-1105LWE
	Model 222	AR61.20-P-1105LF
	Model 257	AR61.20-P-1105FR
	Model 290	AR61.20-P-1105FRX
Remove oil filter cover (1).		
Replace oil filter element (2).		
Replace sealing ring (3).		
Screw in oil filter cover (1).	Nm Oil filter cover	*BA18.20-P-1001-01MR T
Slide on air intake pipe (7) until the locks (27) atch into place.		
Add engine oil.	Use only approved engine oils. Engine damage can occur otherwise. Engine oil	*BF18.00-P-1001-01MR
nstall engine cover (6). Check	Model 167, 213, 222, 238, 257, 290 Model 222 Model 213, 238, 257, 290	AR01.10-P-2405MRT AR01.10-P-2405MSA
Run engine until warm and check for leak ightness.	Coolant temperature at least 80 °C.	
	If leaks occur, determine cause and correct. After obtaining special order.	
Shack engine oil lovel with instrument duster	Model 213, 238, 290	AP18.00-P-1812MKI AP18.00-P-1812SKI
n R iį	nstall engine cover (6). heck un engine until warm and check for leak	Use only approved engine oils. Engine damage can occur otherwise. Engine oil Model 167, 213, 222, 238, 257, 290 Model 222 Model 213, 238, 257, 290 heck un engine until warm and check for leak ghtness. I Coolant temperature at least 80 °C. If leaks occur, determine cause and correct. I After obtaining special order.

Nm Oil pan, oil level sensor

Number	Designation			Engine 256.9
BA01.45-	Drain screw to oil pan lower section	Plastic	Nm	Tightened until
P-1005-01MRT	·			engagement

Nm Oil filter

Number	Designation		Engine 256.9
BA18.20-	Oil filter cover Nm)	25
P-1001-01MRT			

Engine lubrication

Number	Designation		Engine 256 in model 167, 213, 222, 238, 257 (except 257.358), 290
BF18.00- P-1001-01MRT	Engine oil	Oil filling capacity withLiter oil filter	8,5
		Overview sheet	BB00.40-P-0223-02 A
		References sheet	BB00.40-P-0226A