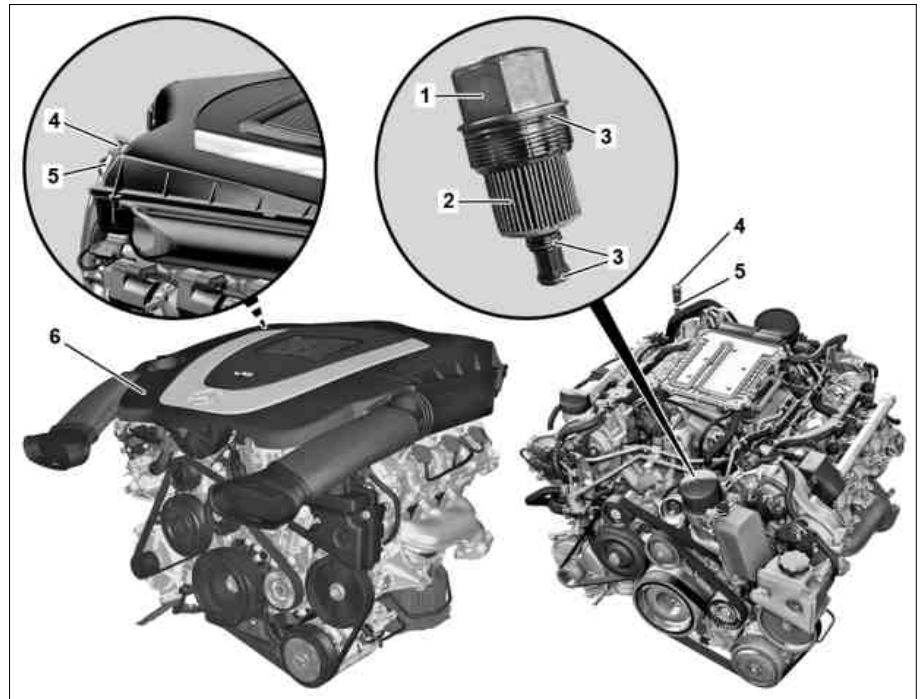








Engine 272 in model 164, 171, 203, 207, 209, 211, 219, 230, 251
 Engine 272.921/947/961/982 in model 204
 Engine 272.923/952/980/983 in model 212
 Engine 272.946/965/974 in model 221


- 1 Oil filter screw-on cover
- 2 Oil filter element
- 3 Sealing rings
- 4 Oil dipstick
- 5 Oil measuring pipe
- 6 Front engine trim panel




P18.00-2352-06

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
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
	Notes on engine oil and filter changes		AH18.00-P-0104-01A
	Remove		
1	Allow engine to warm up	Coolant temperature min. 80 °C.	
2	Pull oil dipstick (4) out of oil measuring pipe (5) and wipe with a lint-free cloth	The oil dipstick (4) and oil measuring pipe (5) may be located at the front or rear of the engine, depending on the model series.	
3	Suction off engine oil using oil measuring pipe (5)		
WS	000 588 05 82 00 Oil extraction sensor		WS18.00-P-0027B
4	Remove front engine cover (6)		
5	Remove oil filter threaded cap (1)	Unscrew the oil filter threaded cap (1) (depending on the version) using a socket wrench bit. Wrench socket	*103589020900
6	Remove oil filter threaded cap (1)		
7	Replace oil filter element (2)		
8	Replace sealing rings (3)		
	Install		
9	Install oil filter threaded cap (1)	Unscrew the oil filter threaded cap (1) (depending on the version) using socket. Threaded cap to oil filter housing Wrench socket	*BA18.20-P-1001-010 *103589020900
10	Remove engine oil extractor		
11	Insert clean oil dipstick (4) into oil measuring pipe (5)		

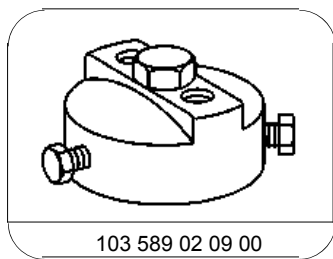
12	Pour in engine oil	 Use only approved engine oils. Engine damage can occur otherwise.  Engine oil	*BF18.00-P-1001-01M
	Check		
13	Run engine until it is at operating temperature, and check for leaktightness	 Coolant temperature min. 80 °C. In the event of leakage: ↓ Determine and rectify cause, subject to separate repair order.	
14	Turn off engine		
15	Check engine oil level using oil dipstick (4); correct if necessary	 Insert oil dipstick (4) 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
	Install		
16	Install front engine cover (6)		

 Oil filter

Number	Designation		Engine 272
BA18.20-P-1001-01O	Threaded cap to oil filter housing	Nm	25

 Engine lubrication

Number	Designation		Engine 272.92/940/941/942/943/944/945/946/947/949/95/96/970/972/973/974/98 Shortened maintenance interval	Engine 272.92/940/941/942/943/944/945/946/947/949/95/96/970/972/973/974/98 Maximum maintenance interval
BF18.00-P-1001-01M	Engine oil	Oil filling capacity with Liter oil filter	8,0	8,0
		Sheet	BB00.40-P-0229-03A	-
		Sheet	BB00.40-P-0229-05A	BB00.40-P-0229-05A
		Sheet	-	-
		Sheet	-	-



103 589 02 09 00

Wrench socket