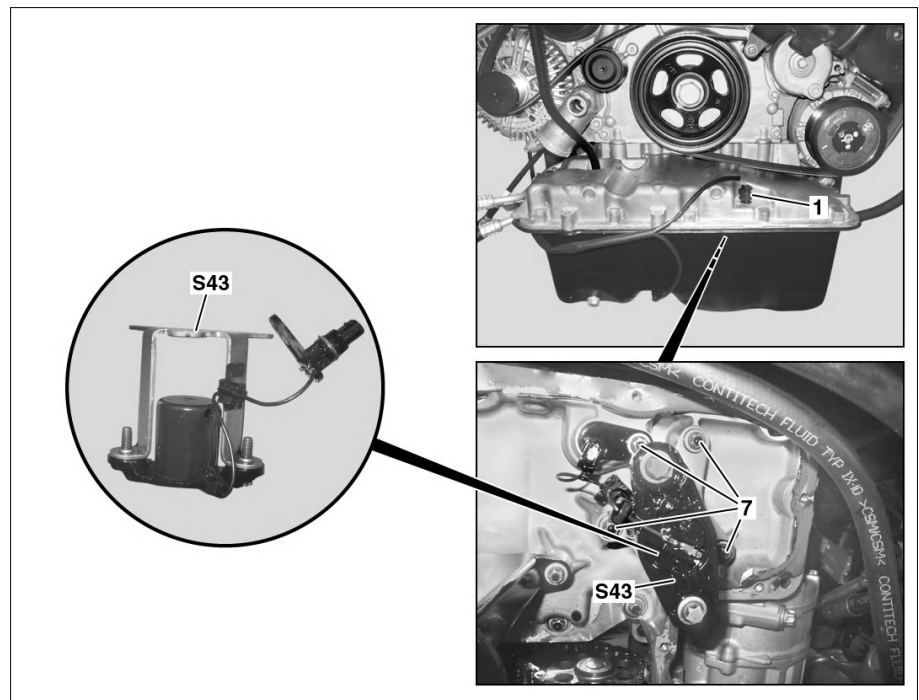


ENGINES 642 in MODEL 164, 251

1 Electrical connector

7 Bolts

S43 Oil level check switch



P18.40-2209-06

	Remove/install		
	Risk of death caused by vehicle slipping or toppling off of the lifting platform.	Align vehicle between columns of vehicle lift and position four support plates at vehicle lift support points specified by vehicle manufacturer.	AS00.00-Z-0010-01A
1	Remove oil pan bottom section		AR01.45-P-7555GZB
2	Disconnect electrical connector (1) at oil level check switch (S43)		
3	Remove bolts (7) at oil level check switch (S43)		*BA18.40-P-1003-01M
4	Remove oil level check switch (S43)	Installation: Install new gasket	
5	Install in the reverse order		
	Checking		
6	Check engine oil level, and correct	In order to avoid measurement errors, vehicle must be parked on an even surface. Shut off engine once it has reached operating temperature and wait approx. 5 minutes before checking engine oil level. Without particulate filter With code 474 Particulate filter	AR18.00-P-3035-01PI *BF18.00-P-1001-01A *BF18.00-P-1001-01S
7	Risk of accident caused by vehicle starting off by itself when engine is running. Risk of injury caused by contusions and burns during starting procedure or when working near the engine as it is running Check for leaks with engine running	Secure vehicle to prevent it from moving by itself. Wear closed and snug-fitting work clothes. Do not touch hot or rotating parts. Carry out a visual inspection only.	AS00.00-Z-0005-01A

Oil level/oil pressure sensor

Number	Designation	Engine
		642
BA18.40-P-1003-01M	Bolt at oil level check switch	Nm 11

Number	Designation	Engine 642.940/950 with particulate filter	Engine 642.820/822/870 /872 with particulate filter	
BF18.00-P-1001-01S	Engine oil Filling capacity (oil and filter change)	Liters	8.5	8.5
	Specifications for Operating Fluids	Sheet	BB00.40-P-0228-51A	BB00.40-P-0228-51A
		Sheet	BB00.40-P-0229-31A	BB00.40-P-0229-31A
		Sheet	BB00.40-P-0229-51A	BB00.40-P-0229-51A

 Engine lubrication system

Number	Designation	Engine 642.940/950 without particulate filter	Engine 642.820/822/870 / 872 without particulate filter	
BF18.00-P-1001-01A	Engine oil Filling capacity (oil and filter change)	Liters	8.5	8.5
	Specifications for Operating Fluids	Sheet	BB00.40-P-0228-03A	BB00.40-P-0228-03A
		Sheet	BB00.40-P-0228-05A	BB00.40-P-0228-05A
		Sheet	BB00.40-P-0228-51A	BB00.40-P-0228-51A
		Sheet	BB00.40-P-0229-03A	BB00.40-P-0229-03A
		Sheet	BB00.40-P-0229-31A	BB00.40-P-0229-31A
		Sheet	BB00.40-P-0229-05A	BB00.40-P-0229-05A
		Sheet	BB00.40-P-0229-51A	BB00.40-P-0229-51A