

AR18.40-P-5111A

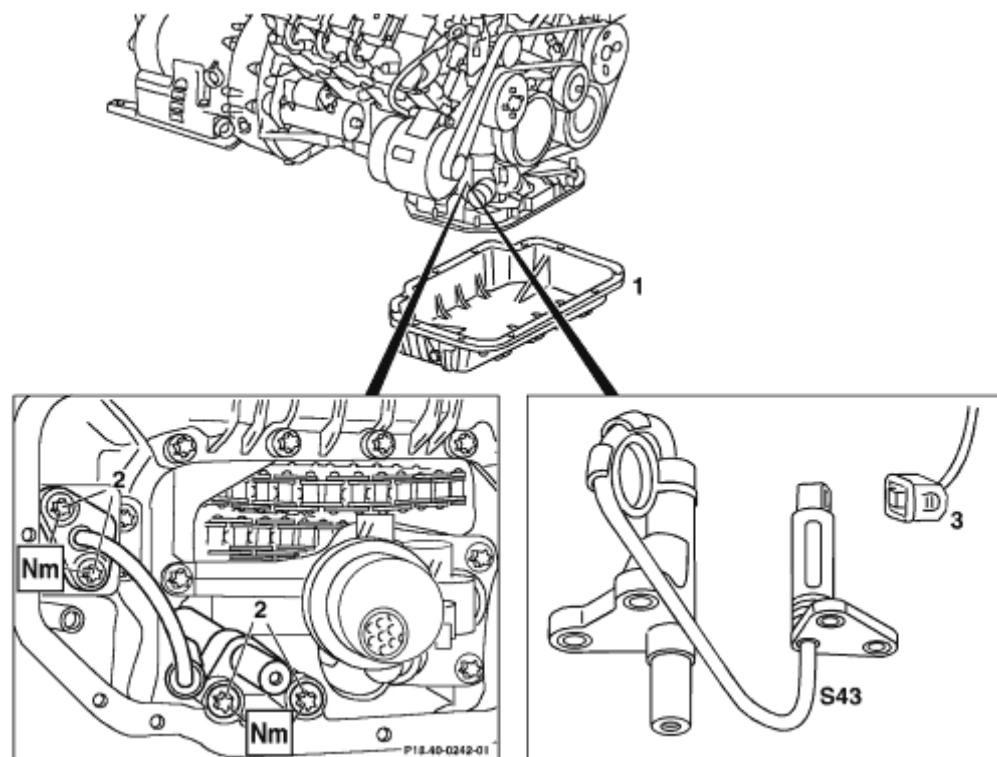
Removing/installing the oil level sensor

25.9.96

ENGINE 112, 113





**Shown on engine 112**

- 1 Oil pan, bottom part
- 2 Oil-level sensor screws
- 3 Plug for oil level sensor
- S43 Oil level sensor




P18.40-0241-06

	Removing/installing		
<b>Danger!</b>	<b>Risk of death caused by vehicle slipping or toppling off the lifting platform.</b>	Align vehicle between the columns of the hydraulic hoist and position the four support plates below the hoist support points specified by the vehicle manufacturer.	<a href="#">AS00.00-Z-0010-01A</a>

1	Evacuating and draining engine oil		<a href="#">BA01.45-P-1003-01B</a>
			<a href="#">BF18.00-P-1001-01H</a>
			<a href="#">WH58.30-Z-1007-16A</a>
2	Remove lower part of oil pan (1)	Model 163.172	<a href="#">AR01.45-P-7555V</a>
		Model 163.174	<a href="#">AR01.45-P-7555VE</a>
3	Unplug connector (3) at oil level sensor		
4	Unscrew bolts of oil level sensor (2)		<a href="#">BA18.40-P-1002-01B</a>
5	Remove oil level switch (S43)		
6	Install in reverse order		

 Oil pan


Number	Designation			Engines 112.942/970
BA01.45-P-1003-01B	Oil drain screw on oil pan	M14	Nm	30

 Oil pan

Number	Designation			Engines 113.942/965/981
BA01.45-P-1003-01B	Oil drain screw on oil pan	M14	Nm	30 = 22 ft. lbs.


 Oil level/oil pressure sensor

Number	Designation			Engines 113.942/965/981	Engine 112
BA18.40-P-1002-01B	Oil level sensor on top part of oil pan		Nm	10	10


 Engine lubrication

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Number	Designation	Engine 112		
BF18.00-P-1001-01H	Engine oil	Filling capacity with oil filter	Liters	8.0
		Filling capacity without oil filter	Liters	7.5
		Specifications for Operating Fluids	Sheet	<a href="#">BB00.40-P-0229-01A</a>
			Sheet	<a href="#">BB00.40-P-0229-03A</a>
			Sheet	<a href="#">BB00.40-P-0229-05A</a>

 Engine lubrication

Number	Designation	Engine 113.942		Engine 113.981	
BF18.00-P-1001-01H	Engine oil	Filling capacity with oil filter	liters	8.0	
		Filling capacity without oil filter	liters	-	
		Specifications for Operating Fluids	sheet	<a href="#">BB00.40-P-0229-01A</a>	<a href="#">BB00.40-P-0229-01A</a>
			sheet	<a href="#">BB00.40-P-0229-03A</a>	<a href="#">BB00.40-P-0229-03A</a>
			sheet	<a href="#">BB00.40-P-0229-05A</a>	<a href="#">BB00.40-P-0229-05A</a>

 Engine lubrication

Number	Designation	Engine 113.965		
BF18.00-P-1001-01H	Engine oil	Filling capacity with oil filter	Liters	7.5
		Filling capacity without oil filter	Liters	7.0
		Specifications for Operating Fluids	Sheet	<a href="#">BB00.40-P-0229-01A</a>
			Sheet	<a href="#">BB00.40-P-0229-03A</a>
			Sheet	<a href="#">BB00.40-P-0229-05A</a>

**Commercially available tools** (see Workshop Equipment Manual)

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<b>Number</b>	<b>Designation</b>	<b>Manufacturer (e.g.)</b>	<b>Order number</b>
WH58.30-Z-1007-16A	Engine oil extractor	Deutsche Tecalemit Am Metallwerk 11 33659 Bielefeld	1.386950.2