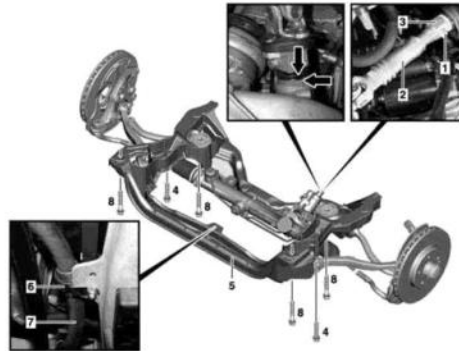


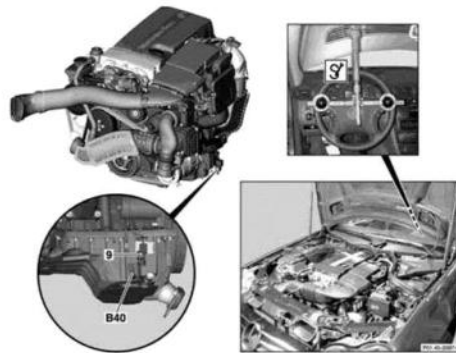
## Oil Pan: Service and Repair

### Remove/install oil pan

- 1 Screw
- 2 Drag link
- 3 Locking plate
- 4 Bolts
- 5 Front axle carrier
- 6 Bracket
- 7 Pressure line of power steering pump
- 8 Bolts



- 9 Plug connection
- B40 Oil sensor (oil level, temperature and quality)



	Remove/Install		
Danger!	Risk of death caused by vehicle slipping or toppling off of the lifting platform.	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.	AS00.00-Z-0010-01A
	Notes on self-locking nuts and bolts		AH00.00-N-0001-01A

<p><b>⚠</b> Danger!</p> <p>1</p> <p><b>ⓘ</b></p>	<p>Risk of explosion caused by oxyhydrogen gas. Risk of poisoning and caustic burns caused by swallowing battery acid. Risk of injury caused by burns to skin and eyes from battery acid or when handling damaged lead-acid batteries</p> <p>Disconnect battery ground cable</p> <p>Notes on battery</p>	<p>No fire, sparks, open flames or smoking. Wear acid-resistant gloves, clothing and safety glasses. Pour battery acid only into suitable and appropriately marked containers.</p> <p>Model 203 Model 209 Model all</p>	<p>AS54.10-Z-0001-01A</p> <p>AR54.10-P-0003P AR54.10-P-0003Q AH54.10-P-0001-01A</p>
<p>2</p>	<p>Open lock of steering column and pull out steering column fully, close lock</p>		
<p>3</p>	<p>Remove engine compartment paneling</p>		<p>AR61.20-P-1105P</p>
<p>4</p>	<p>Unscrew bolt (1) of drag link (2)</p>	<p><b>Ⓢ</b> Installation: Replace bolt (1). Replace locking plate (3). Push locking plate up sufficiently until the lug engages in the steering coupling.</p> <p><b>Nm</b></p>	<p>*BA46.10-P-1001-01E</p>
<p>5</p>	<p>Move steering into center position</p>	<p><b>i</b> The notch (arrow) of the plastic plate must be aligned with the edge (arrow).</p>	
<p>6</p>	<p>Lock steering wheel</p>	<p><b>Ⓢ</b> The steering wheel must not be turned when the steering coupling is detached otherwise the clock spring contact will be destroyed.</p> <p><b>S</b></p>	<p>*129589012100</p>
<p>7</p>	<p>Extract or drain engine oil</p>	<p><b>Ⓢ</b> Installation: Replace seal of oil drain screw.</p> <p><b>Nm</b></p> <p><b>T</b></p>	<p>*BA01.45-P-1007-01H *BF18.00-P-1001-01L</p>
<p>8</p>	<p>Unscrew bolts (4) of engine mounts at front axle carrier (5) on right and left</p>	<p><b>Nm</b></p>	<p>*BA33.10-P-1003-01A</p>
<p>9</p>	<p>Dismount bracket (6) of high pressure line power steering pump (7 ) at front axle carrier (5)</p>		
<p>10</p>	<p>Fit on engine supporting frame</p>		<p>AR33.10-P-0100-01P</p>
<p>11</p>	<p>Raise engine</p>	<p><b>Ⓢ</b> When raising and lowering engine, ensure that the air inlet pipe is not pinched, the rear of the engine does not touch the body, and the coolant lines are not overstretched.</p>	
<p>12</p>	<p>Disconnect connector (9) of oil sensor (oil level, temperature and quality) (B40)</p>		
<p>13</p>	<p>Support front axle carrier (5)</p>		<p>AR33.10-P-0100-03P</p>
<p>14</p>	<p>Unscrew bolts (8) of front axle carrier (5)</p>	<p><b>Ⓢ</b> The bolts are self-tapping, so the following points should be noted: <input type="checkbox"/> Never re-tap thread in longitudinal member. <input type="checkbox"/> Replace bolts. <input type="checkbox"/> Use only genuine bolts (4 in total). <input type="checkbox"/> Do not position bolts at an angle when screwing in. <input type="checkbox"/> Do not use an impact wrench. <input type="checkbox"/> Pay attention to tightening torque.</p> <p><b>Nm</b></p>	<p>*BA33.10-P-1003-01A</p>
<p>15</p>	<p>Lower front axle carrier (5)</p>	<p><b>i</b> Installation: When raising front axle carrier (5) ensure, that the lower and upper steering shaft do not tilt. The holes of the top steering column and of the bottom steering column must be aligned.</p>	
<p>16</p>	<p>Dismount oil pan</p>	<p><b>Nm</b> Bolt of oil pan to crankcase <b>Nm</b> Bolt, transmission bell to oil pan <b>Nm</b> Bolt of oil pan to timing case cover</p>	<p>*BA01.45-P-1001-01H *BA01.45-P-1008-01H *BA01.45-P-1008-01H</p>
<p>17</p>	<p>Remove oil pan</p>	<p><b>i</b> Take out oil pan toward rear.</p>	

		Ⓢ Installation: Observe different length of screws and different screw diameter. Oil pan bolt diagram	AR01.45-P-7500-06QK
18	Install in the reverse order		
Danger!	Risk of accident caused by vehicle starting off by itself when engine is running. Risk of injury caused by contusions and burns when working in engine during starting procedure Run engine and inspect for leaks	Secure vehicle to prevent it from moving. Wear closed and snug-fitting work clothes. Do not grasp hot or rotating parts.	AS00.00-Z-0005-01A
19			
20	Render electrical system operational	See . Perform basic programming. Model 203 Model 209	AR00.19-P-0200P AR00.19-P-0200Q

Oil pan

Number	Designation			Engine 271.940/ 942/ 946/ 948
BA01.45-P-1001-C1H	Bolt, oil pan to crankcase	M6 □ 30	Nm	9
		M6 □ 90	Nm	9
		M8 □ 35	Nm	20
BA01.45-P-1006-C1H	Bolt, transmission bell housing to oil pan		Nm	38
BA01.45-P-1007-C1H	Oil drain screw to oil pan	M14	Nm	30
BA01.45-P-1008-C1H	Bolt of oil pan to timing case cover	M6	Nm	9

Front axle carrier

Number	Designation		Model 203	Model 209
BA33.10-P-1003-01A	Bolt of front axle carrier at front end	Nm	100	100

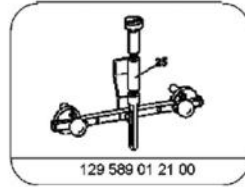
Steering shaft

Number	Designation		Model 203 except 203.081/ 084/281/ 284	Model 209	
BA46.10-P-1001-01E	Bolt, steering coupling to steering shaft	1st stage	Nm	30	30
		2nd stage	"	-	-

Capacities for engine lubrication

Number	Designation	Engine 271.940/941/ 942/943/944/ 946/948

BF15.00-P-1001-01L	Engine oil	Capacity without filter	Liters	5,1
		Capacity with filter	Liters	5,5
	Specifications for Operating Fluids	Sheet	2800.40-P-0226-03A	
		Sheet	2800.40-P-0226-05A	
	Sheet	-		



Retainer