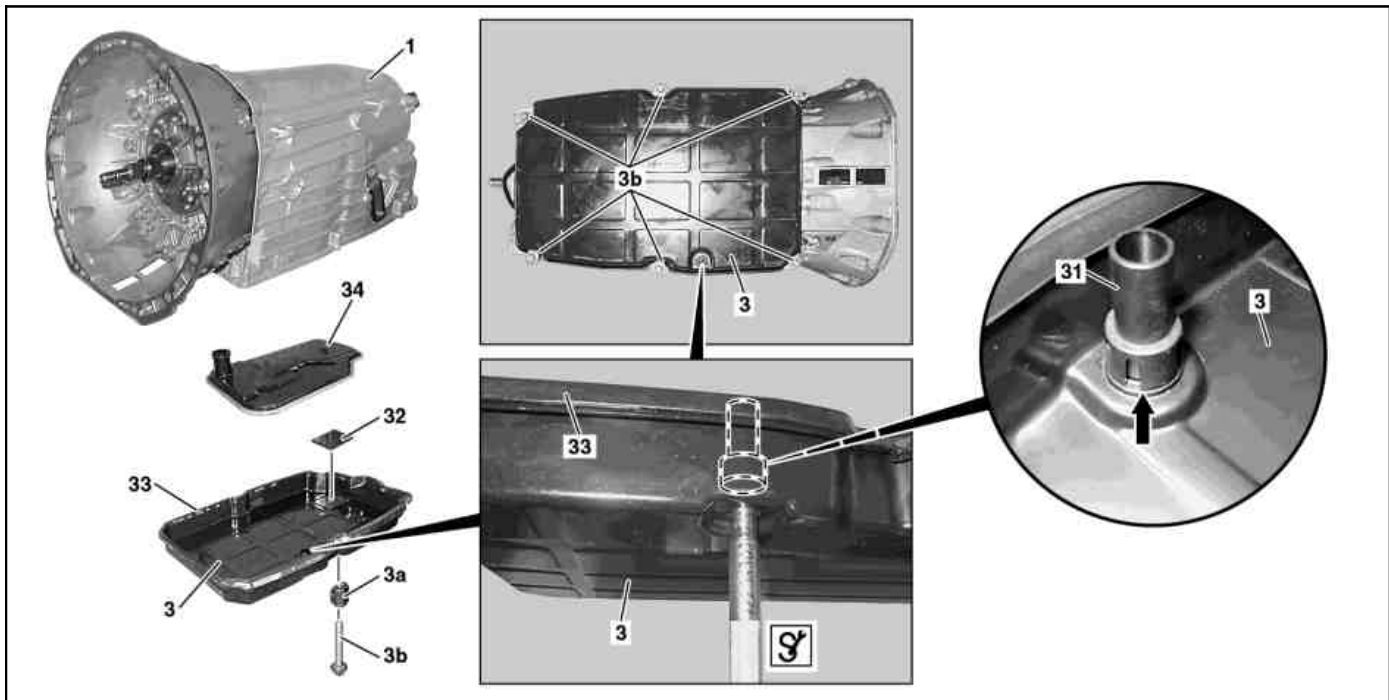


TRANSMISSION 722.9



P27.00-2136-09



















- 1 Transmission housing
- 3 Transmission oil pan
- 3a Sprag
- 3b Bolts

- 31 Overflow pipe
- 32 Magnet
- 33 Gasket
- 34 Transmission oil filter

Modification notes

23.8.07	Transmission oil temperature corrected	Steps 15, 18, 20, 22	
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	Removing		
<b>Danger!</b>	<b>Risk of injury</b> to skin or eyes caused by hydraulic fluid spraying out under high pressure. <b>Risk of poisoning</b> caused by swallowing hydraulic fluid	Depressurize the hydraulic system completely before starting any work on the system. Wear protective clothing and safety glasses.	AS00.00-Z-0013-01A
<b>Danger!</b>	<b>Risk of accident</b> caused by vehicle starting off by itself when engine is running. <b>Risk of injury</b> caused by contusions and burns during starting procedure or when working near the engine as it is running	Secure vehicle to prevent it from moving by itself. Wear closed and snug-fitting work clothes. Do not touch hot or rotating parts.	AS00.00-Z-0005-01A
<b>Danger!</b>	<b>Risk of injury</b> to skin and eyes caused by handling hot or glowing objects.	Wear safety gloves, protective clothing and safety glasses, if necessary.	AS00.00-Z-0002-01A
<b>Danger!</b>	<b>Risk of death</b> 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	Raise vehicle with vehicle lift	The vehicle must be situated on the lifting platform so that it is level in both the longitudinal and transverse axes.	
2	Check transmission oil pan (3)	Transmission 722.901 The transmission oil pan (3) and the overflow pipe (31) have been redesigned to optimize the oil feed of the transmission. The old transmission oil pan (3) without chamfers and with a black overflow pipe (31) after removal is to be replaced by the transmission oil pan (3) with chamfers and with a white overflow pipe (31).	
<b>BT</b>	Oil pan and overflow tube modified		BT27.10-P-0006-01W
3	Remove oil drain screw from the transmission oil pan (3)	Collect transmission oil which runs out in a suitable container. Note the oil volume.	
4	Pry overflow pipe (31) off base using a drift	Collect transmission oil which runs out in a	

4	Pry overflow pipe (31) off base using a drift (arrow)	 Collect transmission oil which runs out in a suitable container. Note the oil volume.  Drift	*722589031500
5	Remove transmission oil pan (3)	 To do this, remove bolts (3b) and remove sprag (3a).	
6	Remove transmission oil filter (34)		
7	Remove overflow pipe (31) from the transmission oil pan (3)		
	<b>Clean</b>		
8	Clean seal (33)	 A seal (33) which is not damaged can be used again.	
9	Clean magnet (32)	 Check magnet (32) for damage and replace if necessary.	
10	Clean the transmission oil pan (3)		
	<b>Install</b>		
11	Install new transmission oil filter (34)		
12	Install new overflow pipe (31)	 Press new overflow pipe (31) firmly onto the base (arrow) in the transmission oil pan (3). The overflow pipe (31) must latch noticeably.	
13	Install transmission oil pan (3)	 The sprags (3a) are only permitted for transmission 722.9 and must not be mixed up with other sprags otherwise contact corrosion can occur. Replace bolts (3b). 	*BA27.10-P-1002-03A
	<b>Adding transmission oil</b>		
14	Mount adapter in the bore of the oil drain screw and connect oil dispenser	Adapter New Automatic Transmission 2, see GOTIS <a href="http://gotis.aftersales.daimlerchrysler.com">http://gotis.aftersales.daimlerchrysler.com</a> Oil dispenser, mobile with counter, calibrated, see GOTIS <a href="http://gotis.aftersales.daimlerchrysler.com">http://gotis.aftersales.daimlerchrysler.com</a> Oil dispenser, mobile with counter, not capable of being calibrated, see GOTIS <a href="http://gotis.aftersales.daimlerchrysler.com">http://gotis.aftersales.daimlerchrysler.com</a>	
15	Fill with transmission oil	 With the oil dispenser pump approx. 1 l more transmission oil into the transmission than was drained.  Filling capacity Oil dispenser, mobile with counter, calibrated, see GOTIS <a href="http://gotis.aftersales.daimlerchrysler.com">http://gotis.aftersales.daimlerchrysler.com</a> Oil dispenser, mobile with counter, not capable of being calibrated, see GOTIS <a href="http://gotis.aftersales.daimlerchrysler.com">http://gotis.aftersales.daimlerchrysler.com</a>	*BF27.00-P-1001-01C
16	Call up the transmission fluid temperature using STAR DIAGNOSIS	 Because the overflow tube (31) within the oil pan is designed for operation at the specified fluid temperature, this temperature should never exceed the level indicated.  On transmissions with chamfered transmission oil pan (white overflow pipe) the transmission oil temperature must be <b>45°C/113°F</b> .  On transmissions without chamfered transmission oil pan (black overflow pipe) the transmission oil temperature must be <b>35°C/95°F</b> .	
17	Start engine		
18	Shift through "P-R-N-D" several times with the vehicle stationary and the engine idling		
19.1	Bring transmission oil temperature to <b>45°C/113°F</b>	 On transmissions with chamfered transmission oil pan (white overflow pipe).	
19.2	Bring transmission oil temperature to <b>35°C/95°F</b>	 On transmissions without chamfered transmission oil pan (black overflow pipe).	
20	Allow engine to idle in selector lever position "P"	 The engine must run at idle speed and each specified transmission oil temperature must be reached; at a higher transmission oil temperature too much transmission oil is drained off.	

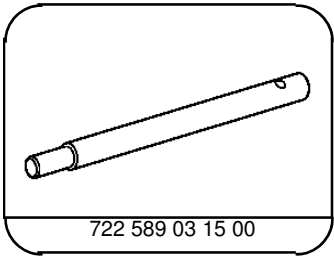
21	Call up the transmission fluid temperature using STAR DIAGNOSIS	<p><b>i</b> On transmissions with chamfered transmission oil pan (white overflow pipe) the transmission oil temperature must be <b>45°C/113°F</b>.</p> <p><b>i</b> On transmissions without chamfered transmission oil pan (black overflow pipe) the transmission oil temperature must be <b>35°C/95°F</b>.</p>	
22	Detach adapter		
23	Allow the surplus oil quantity to drain out at the specified transmission oil temperature until a small quantity still drains out	<p><b>⚠</b> The engine must run at idle speed and each specified transmission oil temperature must be reached; at a higher transmission oil temperature too much transmission oil is drained off.</p> <p><b>i</b> On transmissions with chamfered transmission oil pan (white overflow pipe) the transmission oil temperature must be <b>45°C/113°F</b>.</p> <p><b>i</b> On transmissions without chamfered transmission oil pan (black overflow pipe) the transmission oil temperature must be <b>35°C/95°F</b>.</p>	
24	Screw oil drain screw into the transmission oil pan (3)	<p><b>i</b> Replace sealing ring.</p> <p><b>Nm</b></p>	*BA27.10-P-1001-03A
25	Turn off engine		
26	Lower vehicle		

**Nm** Oil pan, automatic transmission

Number	Designation		Transmission 722.9
BA27.10-P-1001-03A	Oil drain screw to oil pan	Nm	22
BA27.10-P-1002-03A	Bolt, oil pan to transmission housing	Nm	4
		∠ °	180

**☞** Automatic transmission

Number	Designation		Transmission 722.9  except 722.960/961/962/ 963/964, except 722.901  with code A25	Transmission 722.960/961/ 962/963/964	Transmission 722.901 with code A25	
	For new filling					
BF27.00-P-1001-01C	Filling capacity	Initial charge	Liters	9	9,6	6,7
		during oil change	Liters	-	-	-
	Specifications for Operating Fluids	Sheet		BB00.40-P-0236-12 A	BB00.40-P-0236-12 A	BB00.40-P-0236-12 A
		Sheet		-	-	-



Drift