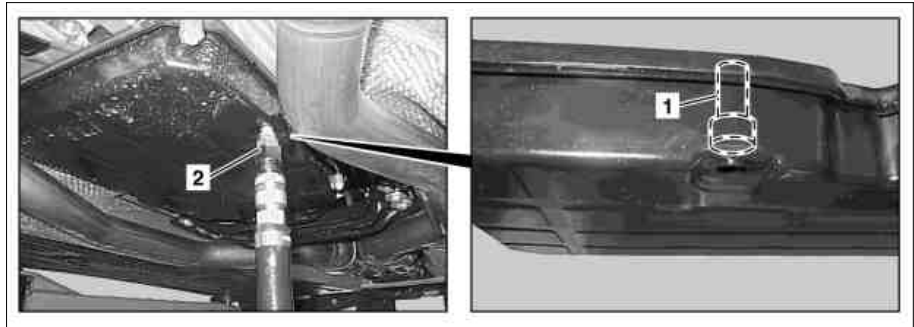


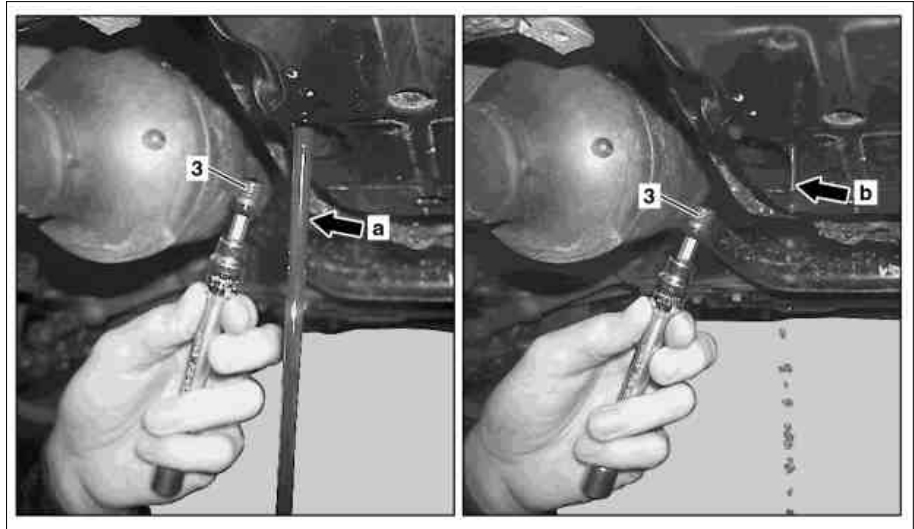
The illustration shows the transmission oil pan without the sloped surface

- 1 Overflow pipe
- 2 Adapter



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- 3 Oil drain screw
- a Constant oil flow for excessively large oil filling capacity and at start of oil adjustment
- b Correct oil filling capacity after draining off excess quantity





















P27.00-2330-05

Modification notes

3.4.09	Entry picture changed		
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	Adding transmission oil		
⚠ Danger!	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
⚠ Danger!	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	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
		i The transmission must be filled with transmission oil before starting the engine	
1	Raise vehicle	i The vehicle must be situated on the lifting platform so that it is level in both the longitudinal and transverse axes.	
2	Inspecting transmission oil pan	i To improve fluid supply to the transmission, the transmission oil pan and the overflow tube have been redesigned. When checking and correcting the fluid level, always note the fluid temperatures associated with the specific individual oil pan versions: ↓	
BT	Oil pan and overflow tube modified	Only category P with transmission 722.901	BT27.10-P-0006-01W
3	Remove oil drain screw (3) and mount adapter (2) and connect oil dispenser	i The adapter (2) and oil dispenser can be obtained from two manufacturers: Adapter gotis://S 18.2 04.2 Oil dispenser gotis://S 18.2 04.1	

4	Pump 6 liters of transmission oil into transmission	 In order to avoid damage to the transmission, always consult the Specifications for Operating Fluids.  On transmissions which have been repaired the quantity of transmission oil drained +0.5 liters should be poured in. 	*BF27.00-P-1001-01C
5	Start engine		
6	Call up the transmission fluid temperature using STAR DIAGNOSIS Connect STAR DIAGNOSIS		AD00.00-P-2000-04A
7.1	Bring transmission oil temperature to <u>90°C/194°F</u>	Vehicles with additional transmission oil cooler  Only with previous <u>removal/replacement</u> of additional transmission oil cooler.  Thermostat opens at <u>90°C/194°F</u> .  Engine speed 2500 rpm, selector lever in position "P".	
7.2	Bring transmission oil temperature to <u>45°C/113°F</u>	 On vehicles without additional transmission oil cooler and with chamfered transmission oil pan and with white overflow pipe the transmission oil temperature must be <u>45°C/113°F</u> .	
7.3	Bring transmission oil temperature to <u>35°C/95°F</u>	 On vehicles without additional transmission oil cooler and without chamfered transmission oil pan and with black overflow pipe the transmission oil temperature must be <u>35°C/95°F</u> .	
8.1	Switch off engine and allow transmission oil to cool down	Vehicles with additional transmission oil cooler  Only with previous <u>removal/replacement</u> of additional transmission oil cooler.	
8.2	Turn off engine	Vehicles without additional transmission oil cooler	
9	Call up the transmission fluid temperature using STAR DIAGNOSIS	 On transmissions with chamfered transmission oil pan and with white overflow pipe the transmission oil temperature must be <u>45°C/113°F</u> .  On transmissions without chamfered transmission oil pan and with black overflow pipe the transmission oil temperature must be <u>35°C/95°F</u> .	
10	Start engine and allow to run in selector lever position "P"		
11	Pump transmission oil using oil dispenser into transmission	 After replacing the transmission and torque converter: Pour in approx. 4 liters of transmission oil.  If the torque converter has not been emptied: Pour in approx. 2 liters of transmission oil. 	*BF27.00-P-1001-01C
	Correct transmission fluid level		
12	Shift through "P-R-N-D" several times with the vehicle stationary and the engine idling		
13	Allow engine to idle in selector lever position "P"		
14	Call up the transmission fluid temperature using STAR DIAGNOSIS	 Because the overflow tube (1) 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 and with white overflow pipe the transmission oil temperature must be <u>45°C/113°F</u> .  On transmissions without chamfered transmission oil pan and with black overflow pipe the transmission oil temperature must be <u>35°C/95°F</u> .	
15	Remove the adapter (2)		
16	Drain off constant oil flow (arrow a) at specified transmission oil temperature, until only drops come out (refer to correct oil filling capacity (arrow b))	 It is essential that the engine be running at idle speed, and that the temperature of the transmission fluid not exceed the specified level. If the operation is carried out with the fluid at a higher temperature, too much fluid will be drained.	

		<p>i If the oil flow is not constant after opening the drain screw, the transmission oil level has to be corrected (as of operation step 11) and then adjust it again.</p> <p>i On transmissions with chamfered transmission oil pan and white overflow pipe the transmission oil temperature must be 45 °C/113 °F.</p> <p>i On transmissions without chamfered transmission oil pan and black overflow pipe the transmission oil temperature must be 35 °C/95 °F.</p>	
17	Replace sealing ring and screw in oil drain screw (3)	Nm	*BA27.10-P-1001-03A
18	Turn off engine		
19	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

Automatic transmission

Number	Designation		Transmission 722.9 except 722.93/960/961/ 962/963/964/ 965/966/967	Transmission 722.93	
BF27.00-P-1001-01C	Filling capacity	Initial charge	Liters	9	7,1
		during oil change	Liters	-	-
	Specifications for Operating Fluids		Sheet	BB00.40-P-0236-14A	BB00.40-P-0236-14A
			Sheet	BB00.40-P-0236-15A	BB00.40-P-0236-15A