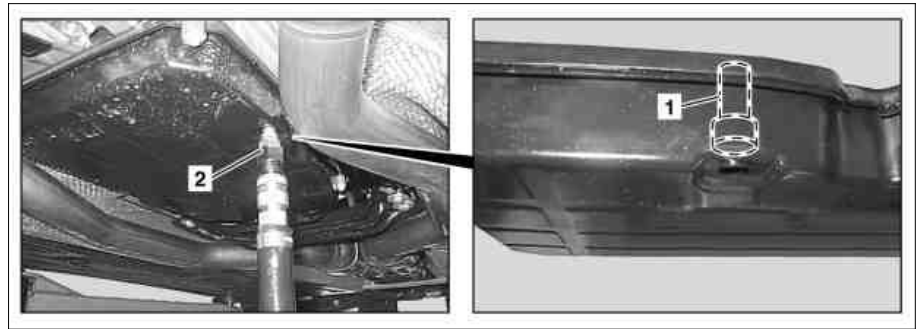


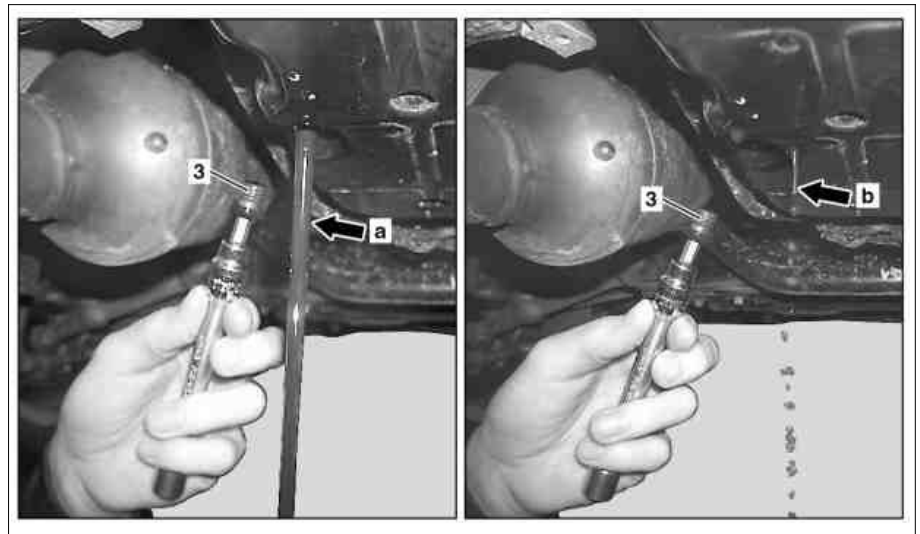
## Transmission 722.96/97

- 1 Overflow pipe  
2 Adapter














P27.00-2165-04

- 3 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

<b>Danger !</b>	<b>Risk of death</b> caused by vehicle slipping or toppling off of the lifting platform.	Align vehicle between vehicle lift columns and position the four support plates at the vehicle lift support points specified by the vehicle manufacturer.	AS00.00-Z-0010-01A
<b>Danger !</b>	<b>Risk of accident</b> from vehicle starting off by itself when engine running. <b>Risk of injury</b> (bruises and burns) resulting from working on the engine while it is being started or when it is running.	Secure vehicle to prevent it from starting off by itself. Wear closed and snug-fitting work clothes. Do not touch hot or rotating parts.	AS00.00-Z-0005-01A
	Notes on avoiding damage through contamination and foreign objects		AH00.00-P-5000-01A
	Notes on automatic transmission		AH27.19-P-0001-01NKB
	<b>Fill with transmission oil</b>		
1	Raise vehicle with vehicle lift	Transmission 722.96 in model 204, 205, 207, 212, 216, 217, 218, 221, 222 Transmission 722.97 in model 212, 217, 218, 222  Transmission 722.96 in model 205 Transmission 722.96 in model 216, 221 Transmission 722.96/97 in model 217, 222 The engine should not be started if no transmission oil is filled in the transmission. Otherwise the transmission may be damaged. The vehicle must be situated on the lifting platform so that it is level in both the longitudinal and transverse axes.	AR00.60-P-1000LW AR00.60-P-1000SX AR00.60-P-1000LF
2	Remove rear engine cross member	Only after repair work on transfer case. Model 205 Model 217, 222 MODEL 204, 207, 212, 218 Model 216, 221	AR22.10-P-4360LWB AR22.10-P-1180LF AR22.10-P-1180CW AR22.10-P-1180SW

3	Lower transmission/transfer case at rear	Only after repair work on transfer case.	
4	Unscrew oil filler screw from transfer case	Only after repair work on transfer case.	
5 BS	Pour prefill quantity (700 ml) into transfer case	Only after repair work on transfer case.  Hand pump	BB00.40-P-0236-12A *210589007100
6	Screw in new oil filler screw and tighten	Only after repair work on transfer case.  Transmission 722.96 in model 204, 205, 207, 212, 216, 217, 218, 221, 222 Filling screw to intermediate housing  Transmission 722.97 in model 212, 217, 218, 222 Filling screw to intermediate housing	*BA28.10-P-1005-01E *BA28.10-P-1005-01F
7 D	Install rear engine cross member Notes on bolted connections with self tapping screws	Only after repair work on transfer case.  Model 205 Model 217, 222 MODEL 204, 207, 212, 218 Model 216, 221	AH00.00-P-0007-01SF  AR22.10-P-4360LWB AR22.10-P-1180LF AR22.10-P-1180CW AR22.10-P-1180SW
8	Remove drain screw (3) from transmission		
9 WS	Install adapter (2) and connect oil dispenser 000 588 06 82 00 Oil dispenser		WS18.00-P-0026B
10	Pump 6 liters of transmission oil into transmission	 Observe Specifications for Operating Fluids. Otherwise the transmission may be damaged.  On transmissions that have been repaired, the quantity of transmission oil drained +0.5 liters should be poured in.  Filling capacity	*BF27.00-P-1001-01C
11	Start engine		
12 AD AD	Determine transmission oil temperature using diagnostic system	Model 205, 217, 222 Models 204, 207, 212, 216, 218, 221	AD00.00-P-2000-04B AD00.00-P-2000-04A
13.1	Bring transmission oil temperature to 90 °C/194 °F	In case of previous removal/installation or replacement of additional transmission oil cooler on vehicles with additional transmission oil cooler.  Thermostat between automatic transmission and auxiliary transmission oil cooler opens at 90 °C/194 °F.  Engine speed 2500 rpm, selector lever in position P.	
13.2	Bring transmission oil temperature to 45°C/113°F	On vehicles without transmission oil cooler and vehicles with transmission oil cooler without previous removal/installation or replacement of additional transmission oil cooler.	
14.1	Switch off engine and allow transmission oil to cool down	In case of previous removal/installation or replacement of additional transmission oil cooler on vehicles with additional transmission oil cooler.	
14.2	Turn off engine	On vehicles without transmission oil cooler and vehicles with transmission oil cooler without previous removal/installation or replacement of additional transmission oil cooler.	
15	Determine transmission oil temperature using diagnostic system	 Transmission oil temperature 45 °C/113 °F. The transmission oil temperature must not exceed the specified value, because the overflow pipe (1) in the transmission's oil pan is designed for the transmission oil temperature.	
16	Start engine and leave in selector lever position "P"		
17 WS	Pump transmission oil using oil dispenser into transmission 000 588 06 82 00 Oil dispenser	 Observe Specifications for Operating Fluids. Otherwise the transmission may be damaged.  After replacing the transmission and torque converter: Refill 4 liters of transmission oil.	WS18.00-P-0026B

		If the torque converter has not been emptied: Refill 2 liters of transmission oil.	
	<b>Correct transmission oil level</b>		
18	Shift through P-R-N-D several times with the vehicle stationary and the engine idling		
19	Allow engine to idle in selector lever position P		
20	Determine transmission oil temperature using diagnostic system	Transmission oil temperature 45 °C/113 °F. The transmission oil temperature must not exceed the specified value, because the overflow pipe (1) in the transmission's oil pan is designed for the transmission oil temperature.	
21	Disconnect oil dispenser and remove adapter (2) 000 588 06 82 00 Oil dispenser		<b>WS18.00-P-0026B</b>
22	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))	Transmission oil temperature 45 °C/113 °F. The engine must run at idle speed and the transmission oil temperature must not be above the specified transmission oil temperature, too much transmission oil is drained at a higher transmission oil temperature. If the oil flow is not constant after removing the adapter (2), the transmission oil level has to be corrected (as of operation step 15) and then adjusted again.	
23	Replace sealing ring and screw in drain screw (3)	Oil drain screw to oil pan	<b>*BA27.10-P-1001-03D</b>
24	Turn off engine		
25	Lower vehicle	Transmission 722.96 in model 204, 205, 207, 212, 216, 217, 218, 221, 222 Transmission 722.97 in model 212, 217, 218, 222 Transmission 722.96 in model 205 Transmission 722.96 in model 216, 221 Transmission 722.96/97 in model 217, 222	AR00.60-P-1000LW AR00.60-P-1000SX AR00.60-P-1000LF

Oil pan, automatic transmission

Number	Designation		Transmission 722.9
BA27.10-P-1001-03D	Oil drain screw to oil pan	Nm	22

Complete transfer case

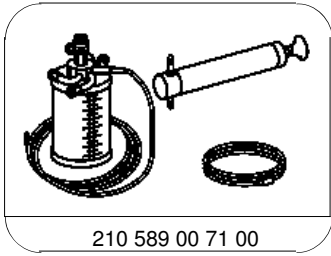
Number	Designation		Model 204, 205, 207, 212, 216, 217, 218, 221, 222 with transmission 722.96
BA28.10-P-1005-01E	Filling screw to intermediate housing	Nm	20

Complete transfer case

Number	Designation		Transmission 722.97 in model 212, 217, 218, 222
BA28.10-P-1005-01F	Filling screw to intermediate housing	Nm	20

Automatic transmission

Number	Designation		Transmission 722.971	Transmission 722.96/972	
BF27.00-P-1001-01C	Filling capacity	with complete refill	Liter	7,8	9,7
		with oil change	Liter	–	–
		Sheet		<b>BB00.40-P-0236-14A</b>	<b>BB00.40-P-0236-14A</b>
		Sheet		<b>BB00.40-P-0236-15A</b>	<b>BB00.40-P-0236-15A</b>



210 589 00 71 00

Hand pump