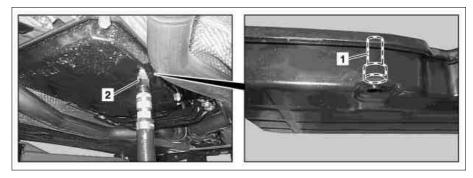
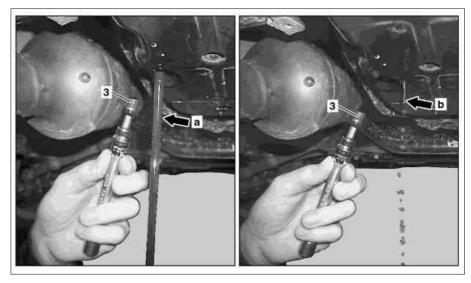
TRANSMISSION 722.950 /960 /961 /962 /963 /964 /965 /966

- 1 Overflow pipe
- 2 Adapter



P27.00-2165-04

- 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	

	Adding transmission oil		
⚠ Danger!	Risk of death caused by vehicle slipping or	Align vehicle between columns of vehicle lift	AS00.00-Z-0010-01A
J	toppling off of the lifting platform.	and position four support plates at vehicle lift support points specified by vehicle manufacturer.	
⚠ 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	In the vehicle must be situated on the lifting platform so that it is level in both the longitudinal and transverse axes.	
2	Check the transmission oil pan for damage and leaktightness		
3	Remove rear engine crossmember	Model 216, 221	AR22.10-P-1180SW
		Model 204	AR22.10-P-1180CW
4	Lower transmission/transfer case at rear		
5	Prefill transfer case with transmission oil	Remove the oil filler screw from the transfer case, pour the prefill quantity (700 ml) into the transfer case and screw in a	
		new oil filler screw.	
		Nm	*BA28.10-P-1005-01E
		3	*210589007100
6	Install rear engine crossmember	Model 216, 221	AR22.10-P-1180SW
	-	Model 204	AR22.10-P-1180CW
()	Notes on bolted connections with self tapping screws		AH00.00-P-0007-01SF

7	Remove oil drain screw (3) on transmission, mount adapter (2) and connect oil dispenser	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	
8	Pump 6 liters of transmission oil into transmission	In order to avoid damage to the transmission, always consult the Specifications for Operating Fluids. I On transmissions which have been repaired the quantity of transmission oil drained +0.5 liters should be poured in.	*BF27.00-P-1001-01C
9	Start engine		
10	Call up the transmission fluid temperature using STAR DIAGNOSIS		
F A D	Connect STAR DIAGNOSIS		AD00.00-P-2000-04A
11.1	Bring transmission oil temperature to 90°C/194°F	Vehicles with additional transmission oil cooler i Only with previous removal/replacement of additional transmission oil cooler. Thermostat opens at 90°C/194°E. i Engine speed 2500 rpm, selector lever in position "P".	
11.2	Bring transmission oil temperature to	Vehicles without additional transmission oil	
12.1	45°C/113°F Switch off engine and allow transmission oil to cool down	cooler Vehicles with additional transmission oil cooler i Only with previous removal/replacement of additional transmission oil cooler.	
12.2	Turn off engine	Vehicles without additional transmission oil	
13	Call up the transmission fluid temperature using STAR DIAGNOSIS	cooler Transmission oil temperature 45 °C/113 °F. The transmission oil temperature must not exceed the specified value as the overflow pipe (1) in the transmission oil pan is designed for the transmission oil	
14	Start engine and allow to run in selector	temperature.	
15	lever position "P" Pump transmission oil using oil dispenser into transmission	After replacing the transmission and torque converter: Refill 4 liters of transmission oil. If the torque converter has not been emptied: Refill 2 liters of transmission oil.	
	Correct transmission fluid level		
16	Shift through "P-R-N-D" several times with the vehicle stationary and the engine idling		
17	Allow engine to idle in selector lever position		
18	Call up the transmission fluid temperature using STAR DIAGNOSIS	i Transmission oil temperature 45 °C/113 °F. The transmission oil temperature must not exceed the specified value as the overflow pipe (1) in the transmission oil pan is designed for the transmission oil temperature.	
19	Remove the adapter (2)	,	
20	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))	i 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. 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 15) and then adjust it again.	
21	Replace sealing ring and screw in oil drain screw (3)	Nm	*BA27.10-P-1001-03A
22	Turn off engine		

2	J	Lower vehicle	

${\rm \overline{Nm}}$ Oil pan, automatic transmission

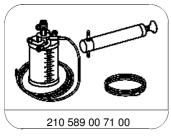
Number	Designation	Trans- mission 722.9
BA27.10-P-1001-03A	Oil drain screw to oil pan Nm	22

Nm Transfer case complete

Number	Designation	Trans- mission 722.96
BA28.10-P-1005-01E	Oil filler screw to intermediate housing Nm	20

Automatic transmission

Number	Designation	on		Transmission 722.9 except 722.93/960/961/ 962/963/964/ 965/966	Transmission 722.960/961/ 962/963/964/ 965/966
BF27.00-P-1001-01C	Filling capacity	Initial charge	Liters	9	9,7
		during oil change	Liters	-	-
		Specifications for Operating Fluids	Sheet	BB00.40-P-0236-14A	BB00.40-P-0236-14A
			Sheet	-	-



Hand pump