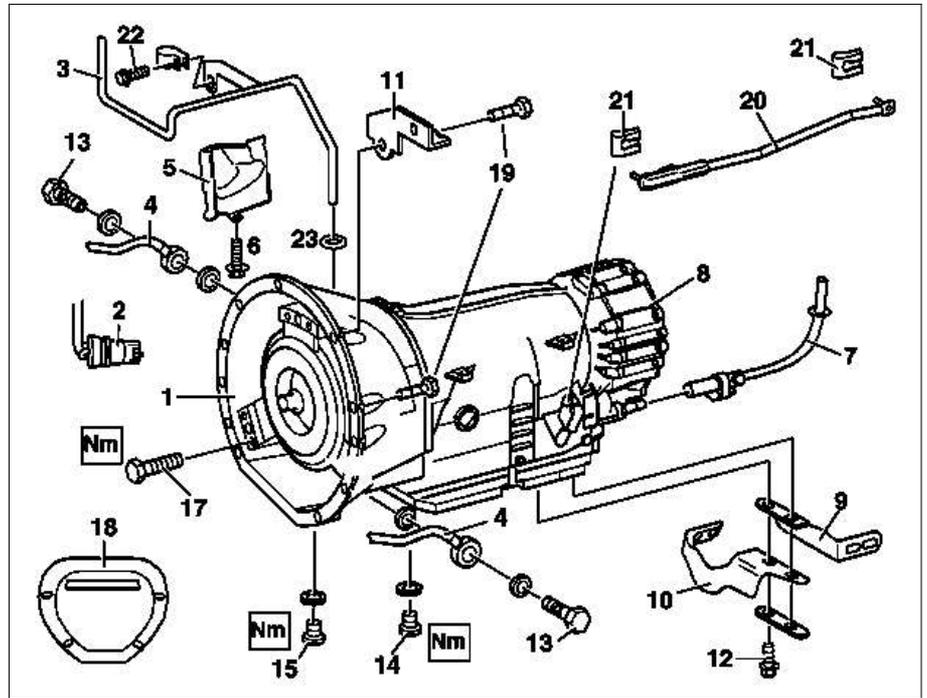


## TRANSMISSION 722.6 in MODEL 163

- 1 Torque converter housing
- 2 13-pin plug connector
- 3 Oil filler pipe
- 4 Oil cooling lines
- 5 Shield
- 6 Shield fixing bolt
- 7 Cable for park lock interlock
- 8 Adapter housing for transfer case
- 9 Left exhaust bracket
- 10 Right exhaust bracket
- 11 Retaining plate
- 12 Exhaust bracket bolt
- 13 Bolts
- 14 Oil drain screw



P27.10-0321-06

- 15 Oil drain screw for torque converter
- 17 Torque converter bolt
- 18 Cover
- 19 Bolts

- 20 Shift rod
- 21 Securing clip
- 22 Bolt, oil filler pipe
- 23 O-ring

		Remove/install			
		Notes on self-locking nuts and bolts		AH00.00-N-0001-01A	
		Before starting work the area around the oil cooler lines (4) must be thoroughly cleaned in the area around the separation points. Even the smallest dirt particles, introduced into the hydraulic components, can lead to malfunctions and a total failure of the transmission			
	1	Detach ground line from battery		Insulate ground line as a protection against unintentional contact of detached ground line with ground point of battery.	AR54.10-P-0003A
	2	Remove transfer case			AR28.10-P-0100GH
	3	Detach oil filler pipe (3) from crankcase			
	4	Remove heat shield (5) and disconnect 13-pin plug connector (2)			*BA27.40-P-1014-01A
	5	Remove shift rod (20); to do this remove securing clip (21) using  pliers		<b>Installation:</b> Adjust shift rod.	AR27.60-P-0980B
	6	Remove oil drain screw (14) from transmission oil pan		Pliers	*210589003700
	7.1	Remove oil drain screw (15) from torque converter			*BA27.10-P-1001-03A
		Oil drain screw at torque converter no longer required		If the transmission oil is burnt or interspersed with abrasive particles, the oil cooler lines (4) and oil cooler must be flushed out: ↓ Flush oil cooler and oil cooling lines	AR27.55-P-0001A *BA27.20-P-1001-01C BT27.20-P-0001-01A
	8.1	Detach wire for park lock interlock (7) at transmission		Transmission 722.6	
				Only up to A145272, X708318. For installation and removal, position selector lever or range selector lever in position "P" and leave in position "P" when cable/ transmission is removed.	AR27.60-P-0500-05B
				<b>Installation:</b> Adjust cable for parking shift lock.	AR27.60-P-0965B

		 <b>Installation:</b> Check function of parking shift lock.	
9	Oxygen sensors on the primary catalytic converters remove	See: ↓  All except model 163.136 Model 163.136	AR14.00-P-5303GH AR14.00-P-5303D
10	Detach oil cooling lines (4) to oil cooler on transmission		
11	Remove cover (18) and detach torque converter at flange from driver plate		*BA27.20-P-1002-01C
12	Remove bolts (19) and use transmission platform to remove transmission downwards at an angle	 Push retainer (11) upwards.   Secure torque converter to prevent it from falling down.  Transmission plate for passenger cars and commercial vehicles <a href="#">gots://A_25/35/49_02.0</a>	AR26.10-P-0020-02GH  *BA27.40-P-1008-01A
13.1	Remove torque converter using  grab handles	If necessary   <b>Installation:</b> Grease the torque converter lightly on drive flange. Multipurpose paste Installed height of torque converter 	AR27.20-P-0500-01B  *BR00.45-Z-1009-06A *BE27.20-P-1001-01B *168589006200
14	Install in the reverse order		
15	Check oil level in automatic transmission, correct if necessary	 When refilling or after an oil change, pour in approx. 5 l of transmission oil first.	AR27.00-P-0100AC
16	Read out fault memory with STAR DIAGNOSIS and erase if necessary		
17.1	Perform transmission adaptation	After replacing or repairing transmission, perform transmission adaptation.	
18	<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 Perform engine test run and check transmission for proper function and leaktightness.	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

#### Torque converter test values

Number	Designation	Transmission 722.600/601/602/603/ 604/605/608/611/614/ 615/616/619/626/629/ 634/637/640/642/660/ 661/695/699	Transmission 722.606/607/609/617/ 618/623/624/628/630/ 631/632/633/636/641/ 643/645/662/663/664/ 665/666/667/668/669/ 672/674/675/676/690/ 696/698
BE27.20-P-1001-01B	Installed height of torque converter Distance from transmission housing	mm 7 (-2)	19.5 (-2)

#### Torque converter test values

Number	Designation	Transmission 722.635/639/ 644

BE27.20-P-1001-01B	Installed height of torque converter	Distance from transmission housing	mm	21 (-2)
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### **Nm** Oil pan, automatic transmission

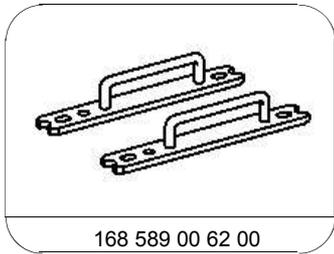
Number	Designation	Transmission
		<b>722.6 except 722.628/ 648/649</b>
BA27.10-P-1001-03A	Oil drain screw to oil pan	Nm 20

### **Nm** Torque converter

Number	Designation	Transmission
		<b>722.6 except 722.648</b>
BA27.20-P-1001-01C	Oil drain bolt to torque converter	M8 Nm 10
		M10 Nm 15
BA27.20-P-1002-01C	Bolt, torque converter to drive plate	Straight threaded connection M8 Nm 42
		Angled threaded connection Stage 1 Nm 4
		Stage 2 Nm 30
		Stage 3 $\Delta^\circ$ 90

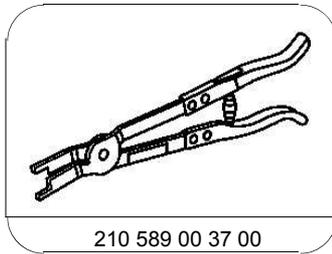
### **Nm** Housing

Number	Designation	Transmission
		<b>722.660/661/662 /663/666/673/674</b>
BA27.40-P-1008-01A	Bolt, automatic transmission to engine	M10 × 40 Nm 40
		M10 × 90 Nm 40
		M12 Nm -
BA27.40-P-1014-01A	Bolt, heat shield to transmission housing	Nm 6



168 589 00 62 00

Grab handle



210 589 00 37 00

Pliers

### Repair materials

Number	Designation	Order number
BR00.45-Z-1009-06A	Multipurpose paste	A 000 989 80 51 10