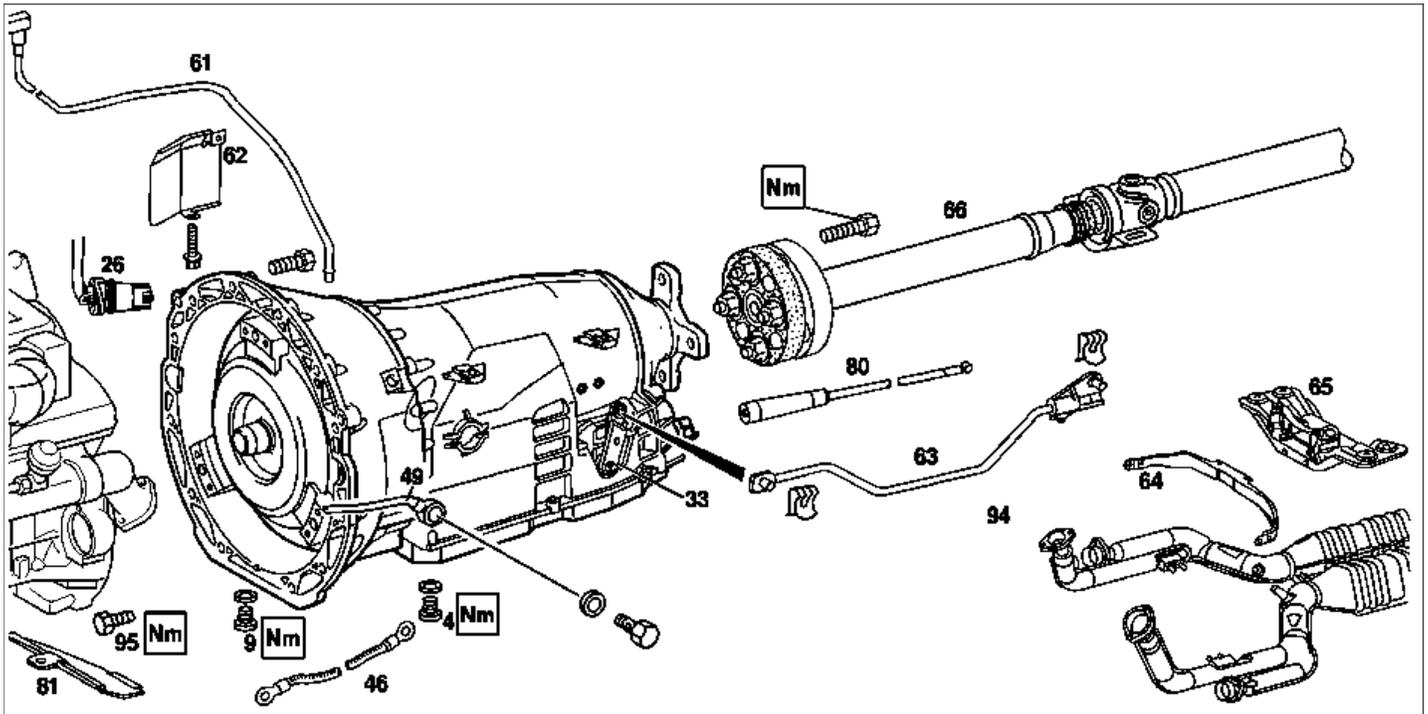


TRANSMISSION 722.6 in MODEL 129, 140, 170, 202, 208, 210



P27.10-0251-09

4	Oil drain screw, transmission oil pan	61	Oil filler pipe	66	Propeller shaft
9	Torque converter oil drain screw	62	Shield	80	Parking shift lock
26	Plug-in connector	63	Shift rod	81	Torque converter cover
33	Range selector lever	64	Exhaust bracket	94	Exhaust system
46	Ground strap	65	Engine support with engine mount	95	Screw
49	Oil cooling lines				

Modification notes

13.1.06	Oil drain bolt to torque converter Bolt, torque converter to drive plate	Transmission 722.6 Transmission 722.6	*BA27.20-P-1001-01C *BA27.20-P-1002-01C
---------	---	--	--

		Remove/install	
		Notes on self-locking nuts and bolts	AH00.00-N-0001-01A
		Before starting work the area around the oil cooler lines (49) must be thoroughly cleaned in the separation point areas on the transmission. 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. Model 129, 170, 202, 208, 210 Model 140
		Notes on battery	AR54.10-P-0003A ra54001400003x AH54.10-P-0001-01A
2.1		Detach oil filler pipe (61) from engine	Model 129, 140 with engine 119 Model 202, 210 with engine 111, 604, 605, 606
2.2		Remove oil filler pipe (61)	Models 129, 140 with engine 120 Model 210 with engine 119
3		Remove oil drain screw (4) from the transmission oil pan and drain transmission oil	 If the transmission oil is burnt or interspersed with abrasive particles, the oil cooler lines (49) and oil cooler must be flushed out: ↓

		Flush oil cooler and oil cooling lines	AR27.55-P-0001A
4	Remove oil drain screw (9) from torque converter and drain transmission oil	<p>Nm</p> <p>ⓘ If the transmission oil pan contains metal shavings, drain the transmission fluid from the torque converter via the drain hole through a clean cloth. If the cloth contains metal swarf after draining the transmission oil, it is then necessary to replace the torque converter. In case of doubt, flush the torque converter with ATF only. Metal shavings can damage the transmission at a later stage. Transmission 722.6</p>	*BA27.20-P-1001-01C
	 BT	Oil drain screw (9) at torque converter no longer required	BT27.20-P-0001-01A
5.1	Remove shield (62) and detach 13-pin plug (26)	Shield (62) discontinued on model 129 with engine 119 and engine 120 as of 03.96	AR27.10-P-0500-01A
6	Detach control cable / gears for parking lock interlock (80) from transmission	<p>ⓘ Transmission models 722.620 up to end no. 0001680 722.621 up to end no. 0001976 722.622 up to end no. 0016286</p> <p>ⓘ Transmission models 722.60/61/63/66/69 722.620 as of end no. 0001681 722.621 as of end no. 0001977 722.622 as of end no. 0016287 722.623/624/625/627/628/629</p> <p>ⓘ To install and remove place the selector lever or range selector lever (33) in position "P" and leave in position "P" with the cable/ transmission removed.</p> <p>ⓘ Installation: Check function of parking shift lock (80).</p>	AR27.60-P-0500-05A AR27.60-P-0500-05B
7.1	Detach retaining plate for rack-and-pinion steering	Model 210 4MATIC See: ↓ Remove/install rack-and-pinion steering.	AR46.20-P-0600A
8	Remove cover (81) and unscrew bolts (95) from torque converter	Nm	*BA27.20-P-1002-01C
9	Detach left and right oil cooling line (49) on transmission		
10	Remove shift rod (63); to do this, remove securing clips using  pliers	<p> Pliers</p> <p>ⓘ Installation: Adjust shift rod (63).</p>	*210589003700 AR27.60-P-0980B
11	Remove exhaust bracket (64).		
12.1	Detach exhaust system (94) at rear with V-belt	Model 129, 140, 210 with engine 119	
12.2	Remove exhaust system (94) as from connector	Models 129, 140 with engine 120	AR49.10-P-7000F
13	Remove fan shroud from radiator	Model 210 with engine 119 Model 140 with engine 606	
14	Remove engine support with rear engine mount (65)	Engine 112, 113 Engine 119 Engine 120 Model 202, 210 with engine 111, 604, 605, 606 Model 202, 210 with Engine 611, 612, 613	AR22.10-P-1160HV ra22001192120x AR22.10-P-1160AO AR22.10-P-1160HB AR22.10-P-1160HC
15	Detach front propeller shaft (66)	Nm	*BA41.10-P-1001-01A
16.1	Detach propeller shaft from transfer case	Nm Model 210 4MATIC	*BA33.30-P-1003-02A
17	Detach ground strap (46) from transmission		
18	Unscrew transmission from crankcase and use  transmission platform to remove downwards at an angle	ⓘ Secure torque converter to prevent it from falling out.	
19.1	Remove torque converter using  grab handles	<p>If necessary</p> <p>ⓘ Installation: Grease the torque converter lightly on drive flange. Multipurpose paste</p> <p></p>	AR27.20-P-0500-01B *BR00.45-Z-1009-06A *168589006200
20	Install in the reverse order		

21	Check oil level in automatic transmission, correct if necessary		AR27.00-P-0100AC
22	Read out fault memory with STAR DIAGNOSIS and erase if necessary		
23.1	Perform transmission adaptation	Transmission adaptation must be performed after the transmission is changed or repaired.	
 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
24	Perform engine test run and check transmission for proper function and leaktightness.		

Torque converter

Number	Designation			Transmission 722.6 except 722.648	
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
			Stage 1	Nm	4
		Stage 2	Nm	30	
		Stage 3	Δ°	90	

Oil pan, automatic transmission

Number	Designation		Transmission 722.6 except 722.628/ 648/649
BA27.10-P-1001-03A	Drain plug on transmission oil pan	Nm	20

Front axle shaft

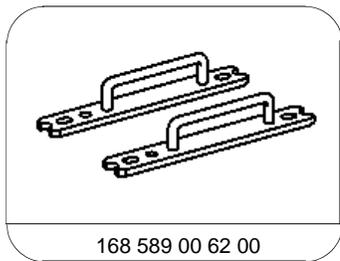
Number	Designation		Model 210.08/28
BA33.30-P-1003-02A	Bolt, front axle gear propeller shaft to transfer case flange	Nm	30

Nm Propeller shaft

Number	Designation			Model 129	Model 140	Model 170
BA41.10-P-1001-01A	Self-locking nut, flexible coupling to transmission or front propeller shaft	M10	Nm	40	-	40
		M12	Nm	60	60	60

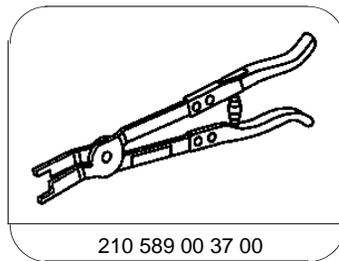
Nm Propeller shaft

Number	Designation			Model 202	Model 208	Model 210
BA41.10-P-1001-01A	Self-locking nut, flexible coupling to transmission or front propeller shaft	M10	Nm	40	40	40
		M12	Nm	60	60	60



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