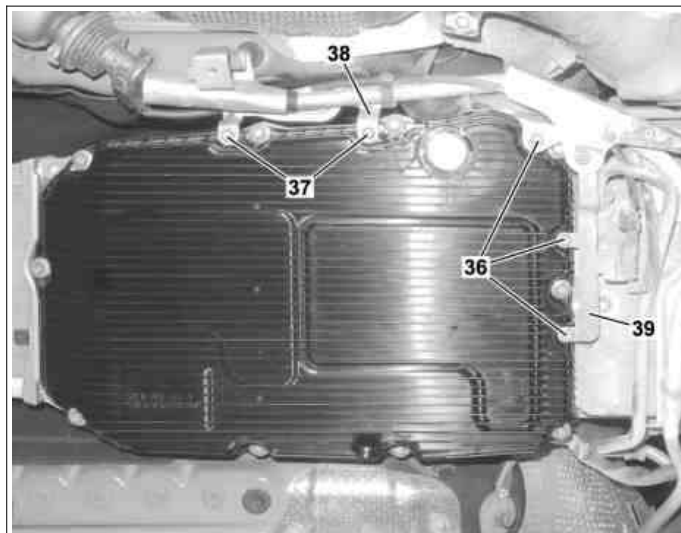


## Transmission 725.0

## Modification notes

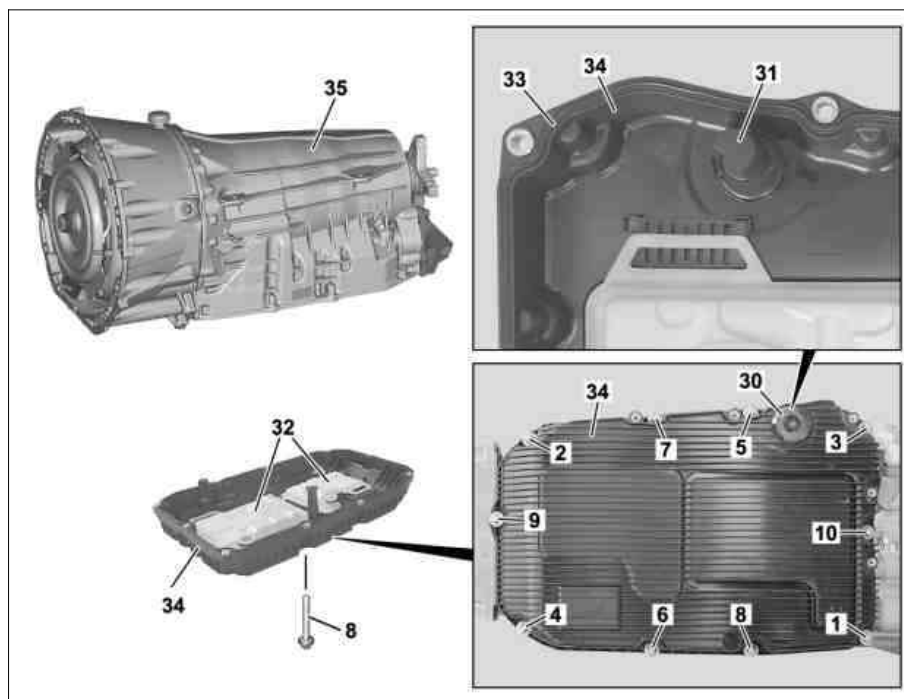
13.01.2017 Document completely revised.

- 36 Bolts
- 37 Bolts
- 38 Bracket
- 39 Bracket













P27.00-2413-11

- 1 Screw
- 2 Screw
- 3 Screw
- 4 Screw
- 5 Screw
- 6 Screw
- 7 Screw
- 8 Screw
- 9 Screw
- 10 Screw
- 30 Bayonet coupling
- 31 Overflow pipe
- 32 Oil filter
- 33 Seal
- 34 Oil pan
- 35 Transmission housing



P27.00-2406-06

<b>⚠ Danger !</b>	<b>Risk of injury.</b> Skin or eye injuries may result when handling hot or glowing objects.	Wear protective gloves, protective clothing and safety glasses, if necessary.	AS00.00-Z-0002-01A
<b>⚠ Danger !</b>	<b>Risk of injury</b> to skin and eyes due to handling of transmission oil. Health risk caused by swallowing transmission oil	Wear protective gloves, protective clothing and safety glasses. Do not pour transmission oil into beverage bottles.	AS00.40-Z-0001-01A
<b>⚠ Danger !</b>	<b>Risk of injury</b> caused by scraping or cutting body parts on sharp vehicle parts	Always wear protective gloves when working on or near sharp and non-deburred vehicle parts. Deburr repair panels.	AS00.00-Z-0017-01A

 <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
	Notes on threaded connections fastened using a tightening angle-based tightening process		AH00.00-P-0020-01A
	Notes on automatic transmission		AH27.19-P-0001-01NKB
	<b>Remove/install</b>		
1	Secure vehicle on vehicle lift	Transmission 725.0 in model 172 Transmission 725.0 in model 231 Transmission 725.0 in model 166, 292 Transmission 725.0 in model 205, 207, 213, 217, 222, 238, 253 Transmission 725.0 in model 212, 218  <b>Installation:</b> Only release vehicle after leak test.	AR00.60-P-0100T AR00.60-P-0100TX AR00.60-P-0100GZ AR00.60-P-0100CW  AR00.60-P-0100EWS
2.1	Remove center and rear section of lower engine compartment paneling	Transmission 725.0 in model 172.4 with engine 274 Transmission 725.0 in model 172.4 with engine 276 Transmission 725.0 in model 205, 213, 217, 222, 231, 238, 253 Transmission 725.0 in model 212, 218 with engine 278 Transmission 725.0 in model 218 with engine 276  Transmission 725.0 in model 217, 222 Transmission 725.0 in model 205, 253 Transmission 725.0 in model 213, 238 Transmission 725.0 in model 231 Transmission 725.0 in model 172.4 with engine 274 Transmission 725.0 in model 172.4 with engine 276 Transmission 725.0 in model 212, 218 with engine 278 Transmission 725.0 in model 218 with engine 276  <b>Installation:</b> Install center and rear sections of lower engine compartment paneling only after a leak test.	AR61.20-P-1105LF AR61.20-P-1105LW AR61.20-P-1105LWE AR61.20-P-1105RK AR61.20-P-1105W          AR61.20-P-1105EW
2.2	Remove center and rear section of underfloor paneling	Transmission 725.0 in model 166, 292   <b>Installation:</b> Only install center and rear section of underfloor paneling after leak test.	AR61.30-P-1001GQ
2.3	Remove center and rear section of bottom section of soundproofing	Transmission 725.0 in model 172.4 with engine 651 Transmission 725.0 in model 207, 212, 218 with engine 642 Transmission 725.0 in model 207, 212, 218 with engine 651 Transmission 725.0 in model 207, 212, 218 with engine 642 Transmission 725.0 in model 207, 212, 218 with engine 651 Transmission 725.0 in model 172.4 with engine 651  <b>Installation:</b> Only install center and rear section of bottom section of soundproofing after leak test.	AR94.30-P-5300EW       AR94.30-P-5300W
3	Remove screws/bolts (36, 37), detach brackets (38, 39) and place to one side		
4	Clean oil pan (34) and surrounding area thoroughly	Assembly cleaner	*BR00.45-Z-1028-04A
5	Drain the transmission oil and collect for determining the quantity of transmission	 Open bayonet coupling (30) and pry off overflow pipe (31) from the base using a suitable tool. The remaining transmission oil drains out immediately after prying off.  <b>Installation:</b> Replace sealing ring of bayonet coupling (30).	

6.1	Remove rear engine support	Transmission 725.0 in model 217, 222 with engine 278 except code M005 (4MATIC) Transmission 725.0 in model 222 with engine 276 except code M005 (4MATIC) Transmission 725.0 in model 222 with engine 642 except code M005 (4MATIC)	AR22.10-P-1180LF
6.2	Remove rear engine mount	Transmission 725.0 in model 217, 222 with engine 278 with code M005 (4MATIC) Transmission 725.0 in model 222 with engine 276 with code M005 (4MATIC) Transmission 725.0 in model 222 with engine 642 with code M005 (4MATIC)	AR22.10-P-1180LF
7	Remove screws/bolts (9, 10)	<b>i</b> <b>Installation:</b> Replace screws/bolts (9, 10). Tighten screws/bolts (9, 10) of oil pan (34) in numerical sequence. <b>Nm</b> Screw/bolt, oil pan to transmission housing	*BA27.10-P-1010-04H
8.1	Install rear engine support	Transmission 725.0 in model 217, 222 with engine 278 except code M005 (4MATIC) Transmission 725.0 in model 222 with engine 276 except code M005 (4MATIC) Transmission 725.0 in model 222 with engine 642 except code M005 (4MATIC)	AR22.10-P-1180LF
8.2	Install rear engine mount	Transmission 725.0 in model 217, 222 with engine 278 with code M005 (4MATIC) Transmission 725.0 in model 222 with engine 276 with code M005 (4MATIC) Transmission 725.0 in model 222 with engine 642 with code M005 (4MATIC)	AR22.10-P-1180LF
9	Remove screws/bolts (1 to 8)	<b>i</b> <b>Installation:</b> Replace screws/bolts (1 to 8). Tighten screws/bolts (1 to 8) of oil pan (34) in numerical sequence. <b>Nm</b> Screw/bolt, oil pan to transmission housing	*BA27.10-P-1010-04H
10	Remove oil pan (34) from transmission housing (35)	<b>i</b> When exchanging oil filter, replace oil pan (34). Oil filters (32) cannot be obtained individually. <b>i</b> <b>Installation:</b> Replace O-rings on oil filters (32).	
11	Remove overflow pipe (31) from oil pan (34)	<b>i</b> <b>Installation:</b> Press overflow pipe (31) firmly onto base of oil pan (34).	
12	Remove seal (33)	<b>i</b> <b>Installation:</b> Do not apply any sealant or sealing compound to oil pan (34) and transmission housing (35). Leaks can occur otherwise. <b>i</b> <b>Installation:</b> Replace seal (33).	
13	Clean sealing surfaces of oil pan (34) and magnets	<b>i</b> <b>Installation:</b> Sealing surfaces must be absolutely free of oil and grease. Leaks can occur otherwise. <b>i</b> <b>Installation:</b> Allow assembly cleaner to flash off completely. Assembly cleaner	*BR00.45-Z-1028-04A
14	Check overflow pipe (31) for signs of damage	If damage is present ↓ Replace overflow pipe (31).	
15	Install in the reverse order		
16	Fill transmission with oil	Transmission 725.0 as of model year 2015 Transmission 725.0 up to model year 2015	AR27.00-P-0270EWN AR27.00-P-0270EWM

		⚠ Always follow the work procedure and observe the Specifications for Operating Fluids. Otherwise the transmission may be damaged.	
<b>⚠ Danger !</b>  17	<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. Test run engine and check transmission for leaktightness and proper operation	Secure vehicle to prevent it from starting off by itself. Wear buttoned-up and snug-fitting work clothes. Do not touch hot or rotating parts.	AS00.00-Z-0005-01A
18.1	Install center and rear sections of lower engine compartment paneling	Transmission 725.0 in model 172.4 with engine 274 Transmission 725.0 in model 172.4 with engine 276 Transmission 725.0 in model 205, 213, 217, 222, 231, 238, 253 Transmission 725.0 in model 212, 218 with engine 278 Transmission 725.0 in model 218 with engine 276 Transmission 725.0 in model 217, 222 Transmission 725.0 in model 205, 253 Transmission 725.0 in model 213, 238 Transmission 725.0 in model 231 Transmission 725.0 in model 172.4 with engine 274 Transmission 725.0 in model 172.4 with engine 276 Transmission 725.0 in model 212, 218 with engine 278 Transmission 725.0 in model 218 with engine 276	AR61.20-P-1105LF AR61.20-P-1105LW AR61.20-P-1105LWE AR61.20-P-1105RK AR61.20-P-1105W  AR61.20-P-1105EW
18.2	Install center and rear section of underfloor paneling	Transmission 725.0 in model 166, 292	AR61.30-P-1001GQ
18.3	Install center and rear section of bottom section of soundproofing	Transmission 725.0 in model 172.4 with engine 651 Transmission 725.0 in model 207, 212, 218 with engine 642 Transmission 725.0 in model 207, 212, 218 with engine 651 Transmission 725.0 in model 207, 212, 218 with engine 642 Transmission 725.0 in model 207, 212, 218 with engine 651 Transmission 725.0 in model 172.4 with engine 651	AR94.30-P-5300EW  AR94.30-P-5300W
19	Disconnect vehicle from vehicle lift	Transmission 725.0 in model 172 Transmission 725.0 in model 231 Transmission 725.0 in model 166, 292 Transmission 725.0 in model 205, 207, 213, 217, 222, 238, 253 Transmission 725.0 in model 212, 218	AR00.60-P-0100T AR00.60-P-0100TX AR00.60-P-0100GZ AR00.60-P-0100CW  AR00.60-P-0100EWS

**Nm** Automatic transmission complete

Number	Designation	Transmission 725.0		
BA27.10-P-1010-04H	Screw/bolt, oil pan to transmission housing	Stage 1	Nm	4
		Stage 2	⌘°	90

**Repair materials**

Number	Designation	Order number
BR00.45-Z-1028-04A	Assembly cleaner	Adolf Würth GmbH & Co. KG Reinhold-Würth-Str. 12-17 74653 Künzelsau-Gaisbach Germany Tel. +49 7940 15-0 Fax +49 7940 15-1000 www.wuerth.de