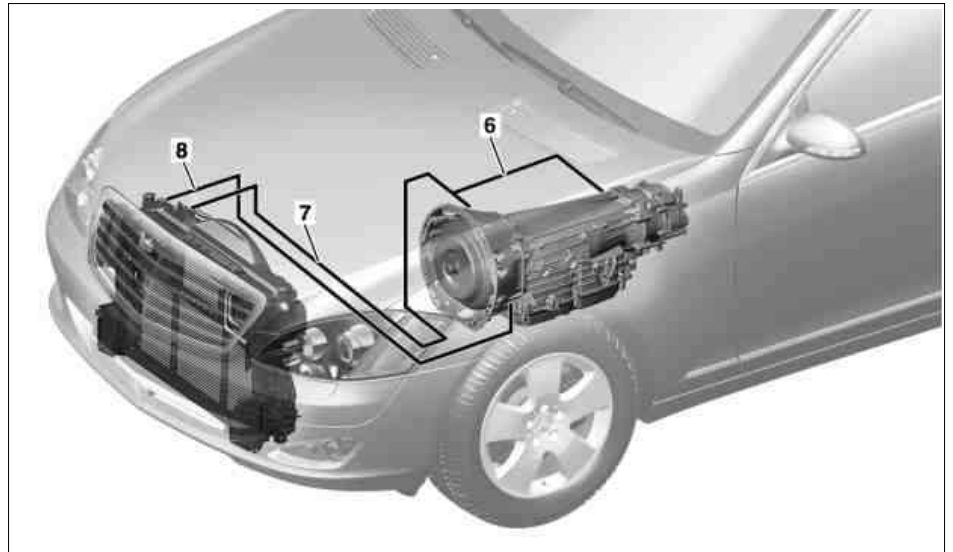


Transmission 722.96 in model 204, 207, 212, 218
 Transmission 722.97 in model 212, 218

Modification notes

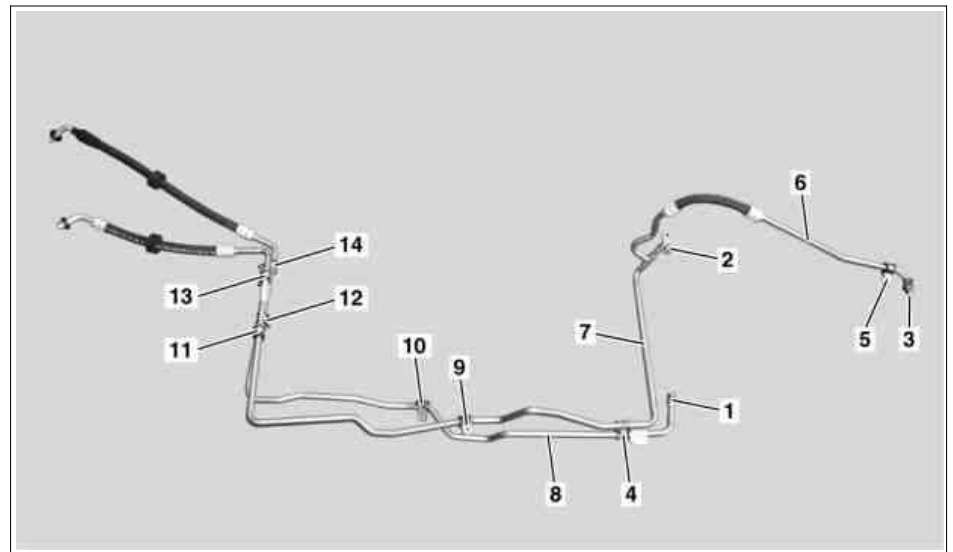
13.08.2013	Procedure modified		
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- 6 Transfer case supply line
- 7 Oil cooling line (feed)
- 8 Oil cooling line (return)



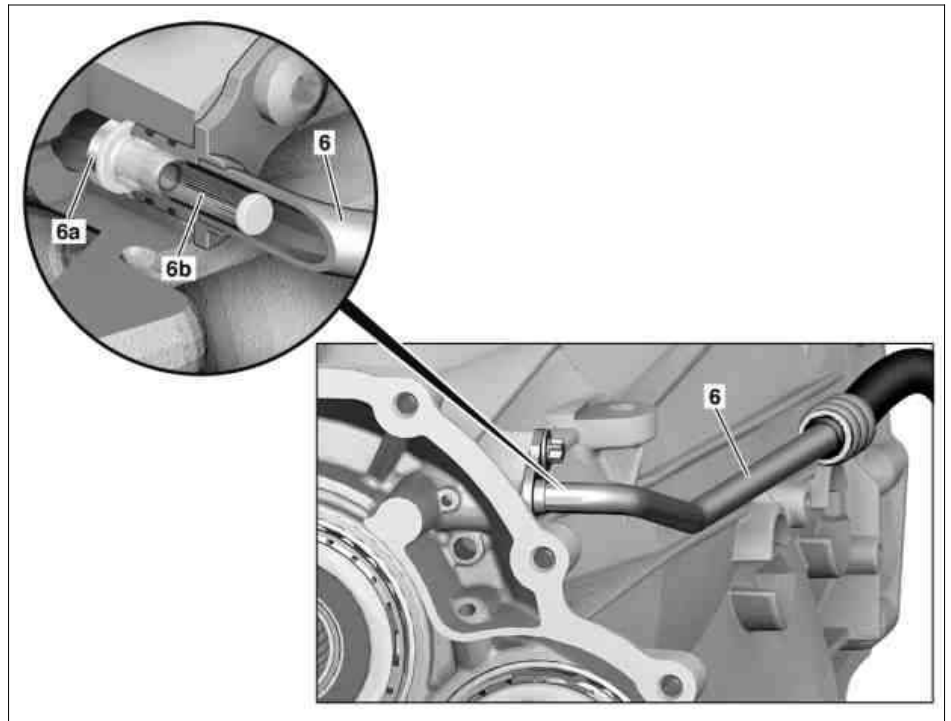
P27.55-2058-05

- 1 Connector (return flow)
- 2 Connector (supply)
- 3 Connector (transfer case supply line)
- 4 Double clamp
- 5 Retaining clamp
- 6 Transfer case supply line
- 7 Oil cooling line (feed)
- 8 Oil cooling line (return)
- 9-14 Retaining clamp


















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











- 6 Transfer case supply line
- 6a Throttle
- 6b Filter cartridge



P27.55-2064-06

☒ ☒	Remove/install		
🔧	Clean		
1	Clean the area surrounding the oil cooling lines (7, 8) on the transmission and clean the supply line (6) on the transfer case in the area of the connecting points	⚠️ Clean thoroughly. Even minute particles of dirt in the hydraulic components can result in malfunctions and a total failure of the hydraulic system.	
	Remove/install oil cooling line (8)		
2	Remove left and right catalytic converter	Transmission 722.96 in model 212, 218 with engine 278 Transmission 722.97 in model 212, 218	AR49.10-P-7100EL
3	Remove left exhaust bracket on transmission	Transmission 722.97 in model 212, 218 Nm Bolt, exhaust system bracket to transmission	*BA49.10-P-1023-01AE
4	Detach front engine mount from front axle carrier	Model 204.9, 212 with engine 651 with transmission 722.96 Model 204.08/28/98, 212.08/09/28/29, 218.39 with engine 642 with transmission 722.96 Model 204 with engine 276.9 with transmission 722.96 Model 212 with engine 276.9 with transmission 722.96 Model 212 with engine 272, 273 with transmission 722.96 Model 204.08/98 with engine 272 with transmission 722.96	AR22.10-P-1260OMD AR22.10-P-1260CWY AR22.10-P-1260FHB AR22.10-P-1260EWS AR22.10-P-1260CWX
5	Attach engine hoist and raise engine	Model 212 with engine 272 with transmission 722.96 Model 212 with engine 273 with transmission 722.96 Model 212 with engine 276 with transmission 722.96 Model 212 with engine 642 with transmission 722.96 Model 212 with engine 651 with transmission 722.96 Model 218 with engine 642 with transmission 722.96 Model 204, 207 with transmission 722.96	AR33.10-P-0105EW AR33.10-P-0105CW

6.1	Detach electrical line of power steering from alternator	Vehicles with gasoline engine	
6.2	Detach steering coupling from rack-and-pinion steering	Transmission 722.96 in model 204.0 with engine 651 Transmission 722.96 in model 204.9 with engine 274 Transmission 722.96 in model 212 Transmission 722.96 in model 218 with engine 642 Transmission 722.97 in model 212, 218 Transmission 722.96 in model 204.0 with engine 651 Transmission 722.96 in model 204.9 with engine 274 Transmission 722.96 in model 212 Transmission 722.96 in model 218 with engine 642  Bolt, steering coupling to rack-and-pinion steering	AR46.10-P-8000CW AR46.10-P-8000EW *BA46.10-P-1002-01M
7	Loosen rack-and-pinion steering from front axle carrier and lower	Transmission 722.96 in model 204 with engine 651 Transmission 722.96 in model 204.9 with engine 274 Transmission 722.97 in model 212, 218 Transmission 722.96 in model 204.9 with engine 274 except code 211 (Direct-Steer system) Transmission 722.96 in model 204 with engine 651 with code 211 (Direct-Steer system) Transmission 722.96 in model 204.9 with engine 274 with code 211 (Direct-Steer system) Transmission 722.97 in model 212 with code 211 (Direct-Steer system) Transmission 722.97 in model 218 Transmission 722.96 in model 204.0/2 with engine 651 except code 211 (Direct-Steer system)  Support rack-and-pinion steering and secure against falling down. Damage will occur to the tie rods otherwise.  Fastening, rack-and-pinion steering to front axle carrier	AR46.20-P-0600EW AR46.20-P-0600EL AR46.20-P-0600CW *BA46.20-P-1001-01N
8	Detach retaining clamps (10, 12, 14) from engine oil pan	 Screw, oil cooler oil line to oil pan	*BA27.55-P-1003-01D
9	Detach double clamp (4) of oil cooling lines (7, 8)	 Bolt, clamp of oil cooler oil line to bracket	*BA27.55-P-1005-01D
10	Detach connector (1) of oil cooling line (8) on transmission	 Installation: Install new seals.  Bolt, oil line to transmission housing	*BA27.55-P-1002-01D
11	Detach oil cooling line (8) on cooler	 Do not kink or bend oil cooling line (8). Leaks and damage may occur otherwise.  Collect transmission oil which escapes and seal line connections with  stop plugs.  Bolt, oil line to transmission housing  Record plug	*BA27.55-P-1002-01D *129589009100
12	Remove oil cooling line (8)		
	Remove/install oil cooling line (7) with supply line (6)		
13	Remove oil cooling line (8)	 Oil cooling line (7) with supply line (6) can only be removed when the oil cooling line (8) has been removed.	
14	Remove front axle gear propeller shaft	MODEL 212, 218 MODEL 204, 207	AR41.10-P-0070EWX AR41.10-P-0070CWX
15	Detach retaining clamp (5) of supply line (6) on transmission	 The supply line (6) and right oil cooling line (7) are securely connected to each other and can therefore only be removed together.  Screw, oil cooler oil line clamp to oil pan	*BA27.55-P-1006-01D

16	Detach retaining clamps (10, 12, 14) from engine oil pan	 Screw, oil cooler oil line clamp to oil pan	*BA27.55-P-1006-01D
17	Detach double clamp (4) of oil cooling lines (7, 8)	 Bolt, clamp of oil cooler oil line to bracket	*BA27.55-P-1005-01D
18	Detach retaining clamps (9, 11, 13) from engine oil pan	 Screw, oil cooler oil line clamp to oil pan	*BA27.55-P-1006-01D
19	Remove transmission auxiliary oil pump	Transmission 722.97 in model 212, 218	AR27.30-P-0651EL
20	Remove shield and disconnect electrical connector on electric controller unit	Transmission 722.97 in model 212, 218	AR27.40-P-0700-01CW
21	Disconnect electrical connectors on electric power steering electromechanical control unit (A91)	Transmission 722.97 in model 212, 218	
22.1	Remove front axle shafts	Vehicles with gasoline engine except ENGINE 274, 278, 157 with transmission 722.97	AR33.30-P-0620CWX
22.2	Detach steering coupling from rack-and-pinion steering	Transmission 722.96 in model 204 with engine 642 Transmission 722.96 in model 204 with engine 651 Transmission 722.96 in model 212, 218 Transmission 722.97 in model 212, 218 Model 204 with diesel engine Transmission 722.96 in model 212, 218 with engine 642 Transmission 722.97 in model 212, 218	AR46.10-P-8000CW AR46.10-P-8000EW
23	Disconnect oil level switch connector	Vehicles with diesel engine except model 204, 212 with engine 651	
24	Detach front engine mount from front axle carrier	Model 204.9, 212 with engine 651 with transmission 722.96 Model 204.08/28/98, 212.08/09/28/29, 218.39 with engine 642 with transmission 722.96 Model 204 with engine 276.9 with transmission 722.96 with 4MATICModel 212 with engine 276.9 with transmission 722.96 Model 204.08/98 with engine 272 with transmission 722.96 Model 212 with engine 272, 273 with transmission 722.96	AR22.10-P-1260OMD AR22.10-P-1260CWY AR22.10-P-1260FHB AR22.10-P-1260CWX AR22.10-P-1260EWS
25	Attach engine hoist and raise engine	Engine 272 in model 212 with transmission 722.96 Engine 273 in model 212 with transmission 722.96 Engine 276 in model 212 with transmission 722.96 Engine 276 in model 218 with transmission 722.96 Engine 642 in model 212 with transmission 722.96 Engine 642 in model 218 with transmission 722.96 Engine 651 in model 212 with transmission 722.96 Model 204, 207 with transmission 722.96	AR33.10-P-0105EW AR33.10-P-0105CW
26	Detach connector (3) of supply line (6) on transfer case	 A restrictor (6a) and a filter cartridge (6b) is fitted in the connection to the transfer case in supply line (6).  Installation: Replace restrictor (6a) and filter cartridge (6b) and check they are correctly seated in the supply line (6).  Installation: Install new seals.  Oil cooler oil line/oil supply line to transfer case	*BA27.55-P-1007-01D
27	Detach connector (2) of right oil cooling line (7) on transmission	 Installation: Install new seals.  Bolt, oil line to transmission housing	*BA27.55-P-1002-01D
28	Detach oil cooling line (7) on cooler	 Collect transmission oil which escapes and seal line connections with  stop plugs.  Record plug	*129589009100
29	Raise lowered transmission	Transmission 722.97 in model 212, 218	

		Raise transmission until the rear engine crossmember makes contact with the vehicle floor.	
30	Remove oil cooling line (7) with supply line (6)	Do not kink or bend oil cooling line (7) and supply line (6). Leaks and damage may occur otherwise. Transmission 722.97 in model 212, 218 Removal: Pull oil cooling line (7) with supply line (6) toward rear over the front axle carrier and remove toward bottom rear. Collect transmission oil which escapes and seal line connections with stop plugs. Record plug	*129589009100
31	Install in the reverse order		
32	Check transmission oil level and correct if necessary		AR27.00-P-0270SYZ
Warning	Risk of accident from vehicle starting off by itself when engine running. Risk of injury (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
33	Perform engine test run; when doing so, check transmission for oil leaks and that it is functioning correctly		

Oil cooling

Number	Designation				Transmission 722.9
BA27.55-P-1002-01D	Bolt, oil line to transmission housing	Banjo bolt	Stage 1	Nm	5
			Stage 2	Δ°	90
		Hexalobular bolt		Nm	12

Oil cooling

Number	Designation		Transmission 722.9
BA27.55-P-1003-01D	Screw, oil cooler oil line to oil pan	Nm	12

Oil cooling

Number	Designation		Transmission 722.9
BA27.55-P-1005-01D	Bolt, clamp of oil cooler oil line to bracket	Nm	8

Oil cooling

Number	Designation		Transmission 722.9
BA27.55-P-1006-01D	Screw, oil cooler oil line clamp to oil pan	Nm	8

Oil cooling

Number	Designation		Transmission 722.9
BA27.55-P-1007-01D	Oil cooler oil line/oil supply line to transfer case	Nm	12

Steering shaft

Number	Designation	Model 204	Model 212
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BA46.10-P-1002-01M	Bolt, steering coupling to rack-and-pinion steering	Nm	24	24
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Nm Steering shaft

Number	Designation		Model 218
BA46.10-P-1002-01M	Bolt, steering coupling to rack-and-pinion steering	Nm	24

Nm Steering gear

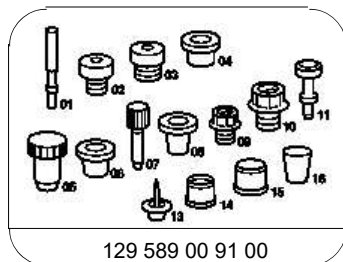
Number	Designation		Model 204.08/09/28/29/38/904/937/98/99	Model 212 (except 212.067/08/090/091/093/094/097/099/267/28/291/293/294/297/299) with code 211 (Direct-Steer system)	
BA46.20-P-1001-01N	Fastening, rack-and-pinion steering to front axle carrier	Stage 1	Nm	100	70
		Stage 2	Δ°	90	90

Nm Steering gear

Number	Designation		Model 212 (except 212.067/08/090/091/093/094/097/099/267/28/291/293/294/297/299) except code 211 (Direct-Steer system)	Model 218 (except 218.367/368/391/393/994)	
BA46.20-P-1001-01N	Fastening, rack-and-pinion steering to front axle carrier	Stage 1	Nm	70	-
		Stage 2	Δ°	90	-

Nm Exhaust system

Number	Designation		Engine 156, 157, 271, 272, 273, 276, 278 in model 212	Engine 157, 276, 278 in model 218
BA49.10-P-1023-01AE	Bolt, exhaust system bracket to transmission	Nm	20	20



Record plug