


























P26.10-2150-09

Shown on model 204

- | | | | | | |
|---|--|---|--------------------------------|-------|--------------------|
| 1 | Transmission | 4 | Rear engine crossmember | 20 | Propeller shaft |
| 2 | Diesel particulate filter unit bracket | 5 | Rear engine mount | 20V | Flex disk |
| 3 | Exhaust bracket | 6 | Line connection | S16/2 | Backup lamp switch |
| | | 7 | Central clutch release bearing | | |

Icons	Remove/install		
⚠	Notes on self-locking nuts and bolts		AH00.00-N-0001-01A
1	Open engine hood	Model 207	AR88.40-P-1000EW
2	Detach ground line from battery	Model 204 Model 207	AR54.10-P-0003CW AR54.10-P-0003EW
⚠	Notes on battery		AH54.10-P-0001-01A
3	Secure vehicle on vehicle lift		AR00.60-P-0100CW
4.1	Remove center and rear section of lower engine compartment paneling	Vehicles with gasoline engine Model 207	 AR61.20-P-1105EW
4.2	Remove bottom sections of soundproofing	Model 204 with diesel engine	
5	Remove catalytic converter bracket or diesel particulate filter unit bracket (2)	Engine 271, 646.8 Nm Model 204 with engine 271 Nm Model 207 with engine 271 Nm Model 207 with engine 271 Nm Engine 646	*BA49.10-P-1001-01AC *BA49.10-P-1010-01AE *BA49.10-P-1023-01AE *BA49.10-P-1027-01AC
6	Detach exhaust bracket (3) on transmission (1) and exhaust pipe	Nm Model 204 Nm Model 204 Nm Model 207 Nm Model 207	*BA49.10-P-1008-01AC *BA49.10-P-1009-01AC *BA49.10-P-1023-01AE *BA49.10-P-1024-01AE
7	Remove exhaust pipe from catalytic converter	Model 207 Nm	 *BA49.10-P-1021-01AE
8	Detach ground line on transmission (1)	Engine 271, 272 Nm	*BA15.10-P-1002-05C
9	Disconnect electrical connector to backup lamp switch (S16/2)		
⚠ Danger!	Risk of poisoning caused by swallowing brake fluid. Risk of injury caused by brake fluid coming into contact with skin and eyes.	Only pour brake fluid into suitable and appropriately marked containers. Wear protective clothing and eye protection when handling brake fluid.	AS42.50-Z-0001-01A

10	Disconnect connector (6) for clutch actuation	 Seal connections immediately.  	*BA25.20-P-1002-01B *129589009100
11	Support transmission (1) and secure to prevent it from falling down		
12	Remove rear engine crossmember (4) together with rear engine mount (5)  Notes on bolted connections with self tapping screws		AR22.10-P-1180CW AH00.00-P-0007-01SF
13	Mark propeller shaft (20)	 Apply color markings to the transmission (1) to indicate the position of the propeller shaft relative to the output flange. This ensures that the components are reinstalled at the factory installation position.	
14.1	Detach flexible coupling (20V) from propeller shaft (20) and transmission (1)  WF Drift for loosening fitting sleeves in flex disks.	Model 204  Check the flexible coupling (20V) for wear and replace if necessary.  Installation: Replace self-locking nuts. 	WF58.50-P-4110-01A *BA41.10-P-1001-01I
14.2	Remove flexible coupling (20V) from transmission (1)  WF Drift for loosening fitting sleeves in flex disks.	Model 207  Check the flexible coupling (20V) for wear and replace if necessary.  Installation: Replace self-locking nuts. 	WF58.50-P-4110-01A *BA41.10-P-1001-01I
15	Detach center shifter console and shift rod from transmission (1)	 Installation: Lightly grease ball joint and safety bolt. Model 204 Model 207 Long-life grease	AR26.60-P-0600-02CW AR26.60-P-0600-02CWA *BR00.45-Z-1001-06A
16	Support engine	 The engine must be supported when removing the transmission (1) in order to prevent the engine from tilting, otherwise damage to the pilot bearing in the flywheel will occur.	
17	Detach electrical connectors for heated oxygen sensors and unclip from retaining clips on transmission (1)	Model 204.05 / 25 Model 204.08	AR07.52-P-5303CV AR07.52-P-5303CWX
18	Remove bolts and remove transmission (1) diagonally downwards	 Installation: In order to avoid damage to the pilot bearing, carefully insert transmission (1) with input shaft into pilot bearing without tilting.   Installation, model 207: Mount holder for electrical lines to heated oxygen sensors and holders for electrical wiring harness to starter on transmission (1).	*BA26.10-P-1001-01C
	Checking		
19	Check central clutch operator (7)	If damage present: ↓ Replace central clutch operator (7).	AR26.40-P-0345CW
20	Remove clutch	Model 204 Model 207	AR25.10-P-0050CW AR25.10-P-0050CWA
21	Check clutch (pressure plate, clutch plate) for signs of wear and damage	In the event of a complaint, replace clutch	AR25.10-P-0050-01CW
22	Check pilot bearing in flywheel for wear and damage	If damage present: ↓ Replace flywheel: Engine 271 Engine 272 Engine 646.8 Engine 651 in model 204	AR03.30-P-8001CW AR03.30-P-8001CV AR03.30-P-8001T AR03.30-P-8001CD
23	Check rear crankshaft radial sealing ring for leaks	If damage present: ↓ Replace crankshaft radial sealing ring: Engine 271 Engine 272 Engine 646.8	AR03.20-P-3063CW AR03.20-P-3063CV AR03.20-P-3063TXX

		Engine 651 in model 204	AR03.20-P-3063CD
24	Check dowel pins in transmission housing	If there is a complaint, replace dowel pins.	
	Clean		
25	Clean transmission input shaft on spline shaft tooting and guide	Cleaner from package	*BR00.45-Z-1028-04A
26	Grease transmission input shaft on spline shaft tooting all-round lightly with paste	 Make sure that no grease gets on the clutch lining or the central clutch release bearing (7), otherwise the boot of the central clutch release bearing (7) may be destroyed. Paste	*BR00.45-Z-1005-06A
27	Install in the reverse order		
28	Inspect transmission oil level	 Carry out oil level measurement with slanted hexagon socket wrench. Correct oil level = 10 mm below the bottom edge of the filler opening.  	*BA26.40-P-1003-01C *BF26.10-P-1001-01C
29	Bleed clutch operating system	Model 204 Model 207	AR25.20-P-0070CW AR25.20-P-0070CWA
 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 Carry out an engine test run and check transmission (1) for leaks	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
30			

Exhaust system

Number	Designation		Engine 156, 271, 272 in model 204	Engine 642, 646, 651 in model 204
BA49.10-P-1001-01AC	Bolt, catalytic converter holder to catalytic converter	Nm	35	-
BA49.10-P-1008-01AC	Bolt, exhaust pipe bracket to transmission	Nm	20	20
BA49.10-P-1009-01AC	Bolt, exhaust pipe bracket to exhaust pipe	Nm	20	20
BA49.10-P-1027-01AC	Bolt/nut, bracket of diesel particulate filter to lower diesel particulate filter	Nm	-	20

Ground strap

Number	Designation		Model 204	Model 207
BA15.10-P-1002-05C	Bolt, ground strap to transmission	M8 Nm	27	16
		M10 Nm	-	-

Exhaust system

Number	Designation	Engine 271, 272, 273 in model 207

BA49.10-P-1010-01AE	Bolt, catalytic converter holder to catalytic converter	Nm	35
BA49.10-P-1021-01AE	Bolt, catalytic converter connecting pipe to catalytic converter	Nm	20
BA49.10-P-1023-01AE	Bolt of exhaust bracket to transmission	Nm	20
BA49.10-P-1024-01AE	Bolt, exhaust bracket to exhaust	Nm	20

Propeller shaft

Number	Designation			Model 204	Model 207
BA41.10-P-1001-01I	Self-locking nut of flex disk to transmission or front propeller shaft	M12	Nm	58	58

Clutch actuation

Number	Designation			Transmission 716.6
BA25.20-P-1002-01B	Union nut for line for clutch operating system to hose		Nm	16

Complete manual transmission

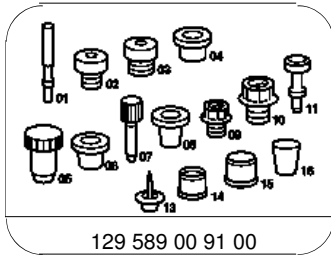
Number	Designation			Transmission 716.6
BA26.10-P-1001-01C	Bolt, transmission to engine		Nm	40

Housing

Number	Designation			Transmission 716.6
BA26.40-P-1003-01C	Oil filler plug		Nm	35

Transmission complete

Number	Designation	Transmission	Transmission
		716.60/61/62/ 630/631/632/ 633/634/635/ 636/638	716.640/641/644 /646/649, 716.653/654/655 /656/657/658/66/ 67
BF26.10-P-1001-01C	Gear oil	Filling capacity	Liters
			1.2
		Specifications for Operating Fluids	Sheet
			BB00.40-P-0235-10A
			BB00.40-P-0235-10A



Set of stop plugs

Repair materials

Number	Designation	Order number
BR00.45-Z-1028-04A	Cleaner from package	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
BR00.45-Z-1001-06A	Long-life grease	A 000 989 63 51 11
BR00.45-Z-1005-06A	Paste, hot lubrication 1 kg, DB supply specification 6879.20	A 000 989 76 51