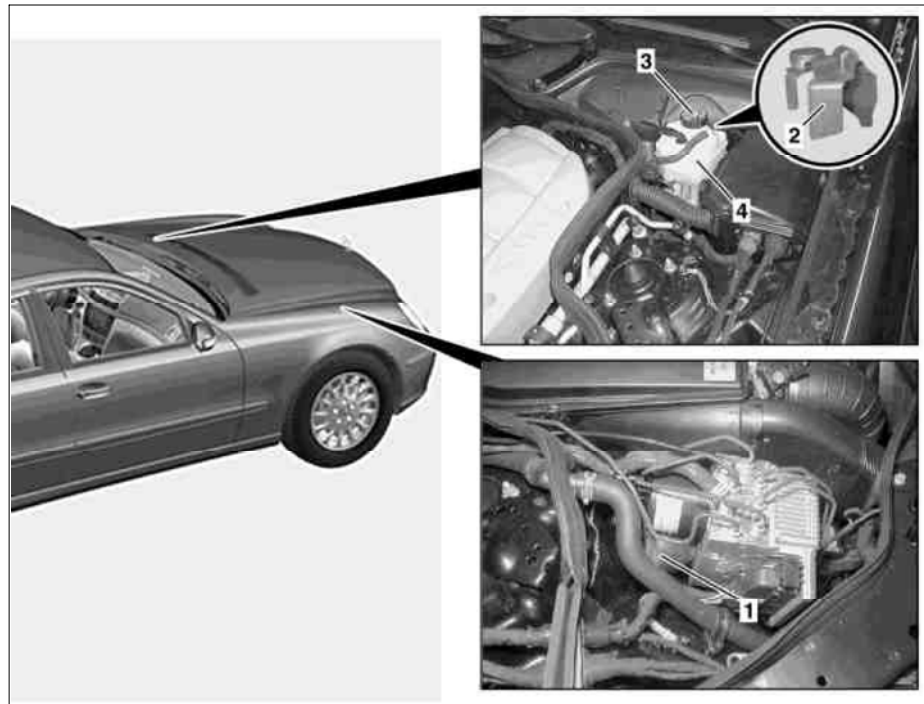


MODEL 211.004 /006 /016 /023 /026 /028 /042 /043 /056 /061 /065 /070 /076 /080 /082 /083 /087 /206 /216 /2 23 /226 /242 /243 /256 /261 /265 /270 /276 /280 /282 /283 /287 /606 /616

- 1 Pressure reservoir
- 2 Cover
- 3 Cap
- 4 Brake fluid expansion reservoir




























P42.46-2046-06

Modification notes

8.4.04	SWZ 211 589 01 91 00 replaced by 240 589 00 91 00	Step 10	
26.10.04	WE58.40-Z-1001-07A replaced by WH58.30-Z-1004-24A	Step 8	
26.10.04	Steps table revised	Steps 3, 8, 9, 10.1, 11, 12, 13	

	Remove/install and replacing		
⚠ Danger!	Risk of injury caused by body parts being jammed or crushed. Risk of injury to skin and eyes caused by brake fluid spraying out at high pressure when working on the SBC brake system	Deactivate SBC brake system using STAR DIAGNOSIS.	AS42.46-Z-0001-01A
⚠ Danger!	Risk of poisoning caused by swallowing brake fluid. Risk of injury caused by brake fluid coming into contact with skin and eyes.	Pour brake fluid only into suitable and appropriately marked containers. Wear protective clothing and eye protection when handling brake fluid.	AS42.50-Z-0001-01A
⚠ Danger!	Risk of death caused by vehicle slipping or toppling off of the lifting platform.	Align vehicle between the columns of the hydraulic hoist and position the four support plates below the hoist support points specified by the vehicle manufacturer.	AS00.00-Z-0010-01A
	Brake fluid notes		AH42.50-P-0001-01A
	Notes on repairs to brake system		AH42.00-P-0003-01A
1	Connect battery charger	It must be possible to raise the vehicle with the battery charger connected.	
2	Connect STAR DIAGNOSIS diagnostic system	It must be possible to raise the vehicle with the STAR DIAGNOSIS diagnostic system connected. Position the STAR DIAGNOSIS diagnostic system such that its screen display can be seen from the driver seat. STAR DIAGNOSIS diagnostic system	*WE58.40-Z-1013-06A

3	Call up routine for determining the preload pressure of the pressure reservoir (1) and read off preload pressure	 The following steps should be run through in STAR DIAGNOSIS: Select "SBC-Sensotronic Brake Control"/"General maintenance"/ "Check brake system for air" menu item. Then process all the individual steps from top to bottom.  If the preload pressure of the pressure reservoir (1) determined is outside the specified scatter: # Replace the pressure reservoir (1).	AR42.46-P-0011R
			
4	Take off cover (2)		
5	Unscrew cap (3) of brake fluid expansion reservoir (4)		
6	Pump brake fluid out of the brake fluid expansion reservoir (4)		
7	Pour in new brake fluid up to the "MAX" marking on the brake fluid expansion reservoir (4)	 Brake fluid	*BF42.10-P-1001-01A
8	Connect brake fluid bleeder device	 Pay attention to manufacturer's operating instructions. Set bleeding pressure to between 2 bar and 3.5 bar.  Only released bleeder units may be used, otherwise malfunctions in the SBC system may occur. Electric brake fluid change/bleeder unit  Brake fluid	*WH58.30-Z-1004-24A *BF42.10-P-1001-01A AH42.50-P-0001-01A AH42.00-P-0003-01A
 	Brake fluid notes Notes on repairs to brake system		
9	Raise vehicle.		
10.1	Remove the front wheels	 If necessary.  Check beforehand that the bleed screw can be accessed.	AP40.10-P-4050Z
11	Have empty receptacle ready	 Flow rate for scavenging procedure at right rear approx. 750 ml to 1250 ml. The bleed screw should not be closed during the scavenging procedure. On completion of scavenging procedure at right rear, empty receptacle and continue procedure. Total volume for bleeding operation approx. 1400 ml to 2250 ml.	
12	Call up routine for changing brake fluid and carry out bleeding process	 The following steps should be run through in STAR DIAGNOSIS: Select "SBC-Sensotronic Brake Control"/"General maintenance"/"Brake fluid replacement" menu item. Then process all the individual steps from top to bottom.  Extremely high pressure: Secure bleeder hose to prevent it slipping off the bleeder screw  by means of the EHB adapter.  Follow the instructions on the STAR DIAGNOSIS diagnostic system  Bleed screw on rear axle floating caliper  Bleed screw on rear axle fixed caliper  Bleed screw on front axle fixed caliper  Bleed screw on front axle floating caliper  Bleed screw on central clutch operator  EHB adapter	AR42.10-P-0010-02R *BA42.10-P-1001-17D *BA42.10-P-1002-01A *BA42.10-P-1002-02C *BA42.10-P-1002-03A *BA25.20-P-1001-01B *240589009100
			
13	Lower vehicle		
14	Remove brake fluid bleeder device		
15	Correct fluid level in the brake fluid expansion reservoir (4)	 Brake fluid	*BF42.10-P-1001-01A
16	Screw cap (3) onto brake fluid expansion reservoir (4)		*BA42.50-P-1001-01D
17	Install cover (2)		
18	Detach STAR DIAGNOSIS diagnostic system		
19	Detach battery charger		

Number	Designation		Model 211 except 211.076 / 276
BA42.10-P-1001-17D	Bleed screw at rear axle floating caliper	Nm	8

Nm Fixed caliper at rear

Number	Designation		Model 211.076 / 276
BA42.10-P-1002-01A	Bleed screw on rear axle fixed caliper	Nm	8

Nm Front axle fixed brake caliper

Number	Designation		Model 211.028/056/ 070/223/226/ 256/265/270/ 616 Model 211.026/065 up to 31.8.03	Model 211.076/276
BA42.10-P-1002-02C	Bleed screw at front axle fixed brake caliper	Nm	8	8

Nm Front axle floating caliper

Number	Designation		Model 211.004/006/ 016/023/042/ 043/061/206/ 216/242/243/ 261/606 Model 211.026/065 as of 01.09.03
BA42.10-P-1002-03A	Bleed screw on front axle floating caliper	Nm	11

Nm Front axle floating caliper

Number	Designation		Models 211.080/082/ 087/280/282/ 287	Model 211.083/283
BA42.10-P-1002-03A	Bleed screw on front axle floating caliper	Nm	8	16

Nm Clutch actuation

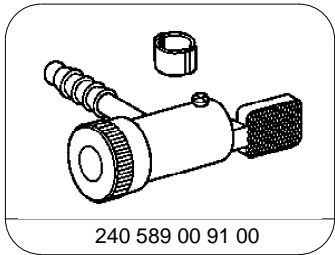
Number	Designation	Transmission 716.6
BA25.20-P-1001-01B	Bleed screw to central clutch operator	Nm 6

 Brake system hydraulics

Number	Designation	Model 211, 230, 240
BA42.50-P-1001-01D	Cap on brake fluid expansion reservoir	Nm γ2

 Brake fluid

Number	Designation	Model 211
BF42.10-P-1001-01A	Brake fluid	Filling capacity Liters 0.75
	Specifications for Operating Fluids	Sheet BB00.40-P-0330-01A
		Sheet BB00.40-P-0331-00A



240 589 00 91 00

EHB adapter

Commercially available tools (see Workshop Equipment Manual)

Number	Designation	Make (e. g.)	Order number
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WH58.30-Z-1004-24A	Electric brake fluid change/bleeder unit	Romess Rogg GmbH & Co Dickenhardtstr. 67 78056 Villingen-Schwenningen Tel. 07720/97700	1015 1333 1322 1005
	- ROMESS S 15 - ROMESS SE 30-60 - ROMESS S 30-60 - ROMESS Mouse 1001		
	Stier EUROPA EG 30/60II	Bodo Stier Hydrotechnik GmbH Gutenbergstr. 2-4 D-78727 Oberndorf a.N. Tel. 07423/3321	220 094 060
	PERFECTA 60 DB	GL GmbH Werstatttechnik Nürtinger Str. 23-25 72636 Frickenhausen Tel. 07022/9432224	900 061
	PERFECTA 60 DB	Kühnling & Co GmbH Tarpen 21 D-22047 Hamburg Tel. 040/5371230	1850006
OPEG 10-TS OPEG 30/60-S	Oppermann Staufenstraße 14 D-89160 Dornstadt 1 Tel. 07348/928036	BWG-04 BWG-01	

Workshop equipment/MB testers (see Workshop Equipment Manual)

WE58.40-Z-1013-06A	STAR DIAGNOSIS Compact diagnosis system for passenger cars, order number 6511 1801 00
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