






























MODEL 211

MODEL 230

	Remove/install		
 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
1	Connect battery charger	 It must be possible to raise the vehicle with the battery charger connected.	
2	Connect bleeder unit	 Follow directions in operating manual supplied by manufacturer. 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		
3	Connect STAR DIAGNOSIS	STAR DIAGNOSIS diagnosis system  It must be possible to raise the vehicle with the STAR DIAGNOSIS diagnostic system connected. Position diagnostic system so that its display screen can be seen from driver's seat.  Pay attention to the diagnostic connector when entering the vehicle.	*WE58.40-Z-1013-06A
4	Raise vehicle.		
5.1 	Remove wheels Take off, fit on wheels, rotate if necessary	 as required  Check that bleed screw can be accessed.	AP40.10-P-4050Z
6	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.	

7	Carry out bleeding operation using STAR DIAGNOSIS	<p> The following steps should be run through in STAR DIAGNOSIS: Select menu item "SBC-Sensotronic Brake Control"/and appropriate menu item for performed repair. Then process all the individual steps from top to bottom.</p> <p> Excessive high pressure: Secure bleed hose against slipping from bleed bolt with EHB adapter</p> <p>Model 211</p> <p> Bleed screw on front axle floating caliper</p> <p> Bleed screw on front axle fixed caliper</p> <p> Bleed screw on rear axle floating caliper</p> <p> Bleed screw on rear axle fixed caliper</p> <p>Model 230</p> <p> Bleed screw on front axle fixed caliper</p> <p> Bleed screw on rear axle fixed caliper</p> <p> Bleed screw on rear axle floating brake caliper</p> <p>Model 211, 230</p> <p> EHB adapter</p>	<p>AH42.10-P-0002-01T</p> <p>*BA42.10-P-1002-03A</p> <p>*BA42.10-P-1002-02C</p> <p>*BA42.10-P-1001-17D</p> <p>*BA42.10-P-1002-01A</p> <p>*BA42.10-P-1002-02A</p> <p>*BA42.10-P-1002-01A</p> <p>*BA42.10-P-1001-17A</p> <p>*240589009100</p>
8	Install in the reverse order		
9	Check fluid level in brake fluid expansion reservoir and correct if necessary	<p> The fluid level must be between the "MAX." and "MIN." markings stamped on the brake fluid expansion reservoir.</p> <p> Cap on brake fluid expansion reservoir</p> <p> Brake fluid</p>	<p>*BA42.50-P-1001-01D</p> <p>*BF42.10-P-1001-01A</p>

 **Front axle floating caliper**

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

 **Front axle floating caliper**

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

 **Front axle fixed brake caliper**

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

Nm Front axle fixed brake caliper

Number	Designation		Model 230.474/ 476	Model 230.479	Model 230.467/ 475
BA42.10-P-1002-02A	Bleed screw at front axle fixed brake caliper	Nm	10	14	7

Nm Rear axle floating caliper

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

Nm Rear axle floating caliper

Number	Designation		Model 230.467/ 475
BA42.10-P-1001-17A	Bleed screw at rear axle floating caliper	Nm	7

Nm Fixed caliper at rear

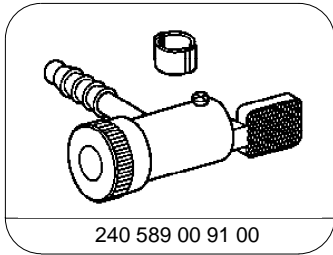
Number	Designation		Model 230.474/ 476	Model 230.479	Model 211.076/ 276
BA42.10-P-1002-01A	Bleed screw on rear axle fixed caliper	Nm	7	7	8

Nm 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	Model 230
BF42.10-P-1001-01A	Brake fluid	Filling capacity Liters	0.75	γ0.7...0.9
		Specifications for Operating Fluids Sheet	BB00.40-P-0330-01A	BB00.40-P-0330-01A



240 589 00 91 00

EHB adapter

Commercially available tools (see Workshop Equipment Manual)

Number	Designation	Make (e. g.)	Order number
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 Werstattechnik Nürtinger Str. 23-25 72636 Frickenhausen Tel. 07022/9432224	900 061
	PERFECTA 60 DB	Kühnling & Co GmbH Tarpfen 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
--------------------	---