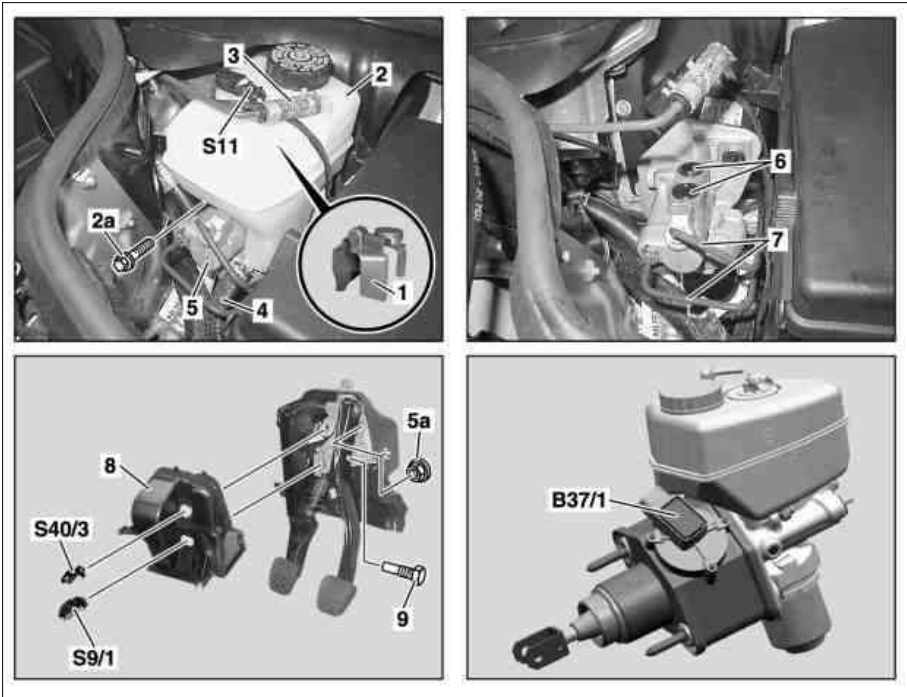


MODEL 211
with Sensotronic Brake Control (SBC)
MODEL 230 except CODE (P99) "AMG Black Series" special model

- 1 Cover
- 2 Brake fluid expansion reservoir
- 2a Screw
- 3 SBC return line
- 4 SBC feed line
- 5 Brake operating unit (BOU)
- 5a Nut
- 6 Seals
- 7 Brake lines
- 8 Cover
- 9 Stud

- B37/1 SBC pedal value sensor
- S9/1 Stop lamp switch
- S11 Brake fluid indicator switch
- S40/3 Clutch pedal switch (model 211)



P42.46-2048-06

Modification notes

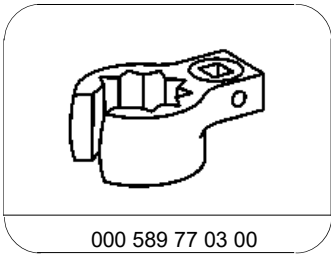
18.11.04	Tightening torque, pressure connection for primary circuit revised from 13 Nm to 16 Nm. Tightening torque, pressure connection for secondary circuit revised from 13 Nm to 16 Nm.	Model 211	
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	Remove/install		
Danger!	Risk of injury caused by 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.	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
	Notes on repairs to brake system		AH42.00-P-0003-01A
	Brake fluid notes		AH42.50-P-0001-01A
1	Deactivate SBC brake system using STAR DIAGNOSIS.	The following steps should be run through in STAR DIAGNOSIS: Select menu item "SBC Sensotronic Brake Control"/"Deactivate 'SBC' system". Then process all the individual steps from top to bottom.	
2	Take off cover (1)	Model 211	
3	Disconnect electrical connector to the brake fluid indicator switch (S11)		
4	Suction off brake fluid from the expansion reservoir (2)	Installation: Check that the expansion reservoir (2) is seated correctly. No brake fluid may escape from the seals (6), otherwise the SBC system can malfunction.	
5	Detach return line SBC (3) from expansion reservoir (2)	The area around the separation point should be cleaned thoroughly before opening the SBC system. Even minute particles of dirt, introduced into the hydraulic components, can result in malfunctions and a total failure of the SBC system.	

6	Detach feed line SBC (4) from expansion reservoir (2)	Collect escaping brake fluid using a lint free, absorbent rag and immediately seal connections using stop plugs. 	*129589009100
7	Remove bolt (2a)	Nm	*BA42.46-P-1002-02A
8	Pull the expansion reservoir (2) out of the brake operating unit (BOU) (5)	Check seals (6) for damage and replace if necessary. Installation: The gaskets (6) have no collar and, when assembling the expansion reservoir (2), can be pressed out of the brake operating unit (BOU) (5). Mount the expansion reservoir (2) vertically on the brake operating unit (BOU) (5) and simultaneously press into the front and rear seals (6).	
9	Disconnect electrical connector on SBC pedal value sensor (B37/1)		
10	Detach the brake lines (7) from the Brake Operating Unit BOU (5)	Clean up escaped brake fluid using non-fluffy, absorbent cloth and seal connections using blind plugs. Nm Nm 	*BA42.46-P-1003-02A *BA42.46-P-1004-02A *000589770300 *129589009100
11	Remove left cover below dashboard	Model 211 Model 230	AR68.10-P-1500T AR68.10-P-1500R
12	Remove stop lamp switch (S9/1)	Model 211	AR42.10-P-0040I
13	Remove clutch pedal switch (S40/3)	Model 211 Press the locking catch and turn the clutch pedal switch (S40/3) clockwise through 90°.	
14	Unclip cover (8) on brake pedal		
15	Remove stud (9) from brake pedal		
16	Unscrew nut (5a) from brake operating unit (BOU) (5)	Nm	*BA42.46-P-1001-02A
17	Remove brake operating unit (BOU) (5)		
18	Install in the reverse order		
19	Bleed brake system with STAR DIAGNOSIS	When performing the bleeding operation always observe the instructions in the document "Bleeding brake system using STAR DIAGNOSIS". The following steps should be run through in STAR DIAGNOSIS: Select menu item "commissioning after repair"/"exchange of brake operating unit (BOU)". Then process all the individual steps from top to bottom.	AR42.10-P-0012R

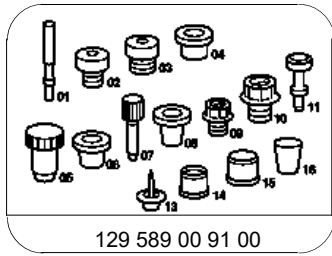
Brake operating unit (BOU)

Number	Designation		Model 211	Model 230
BA42.46-P-1001-02A	Nut, BOU to firewall	Nm	20	20
BA42.46-P-1002-02A	Bolt, BOU expansion reservoir	Nm	5	5
BA42.46-P-1003-02A	Pressure connection, primary circuit	Nm	16	16
BA42.46-P-1004-02A	Pressure connection, secondary circuit	Nm	16	16



000 589 77 03 00

Box wrench bit



129 589 00 91 00

Set of stop plugs