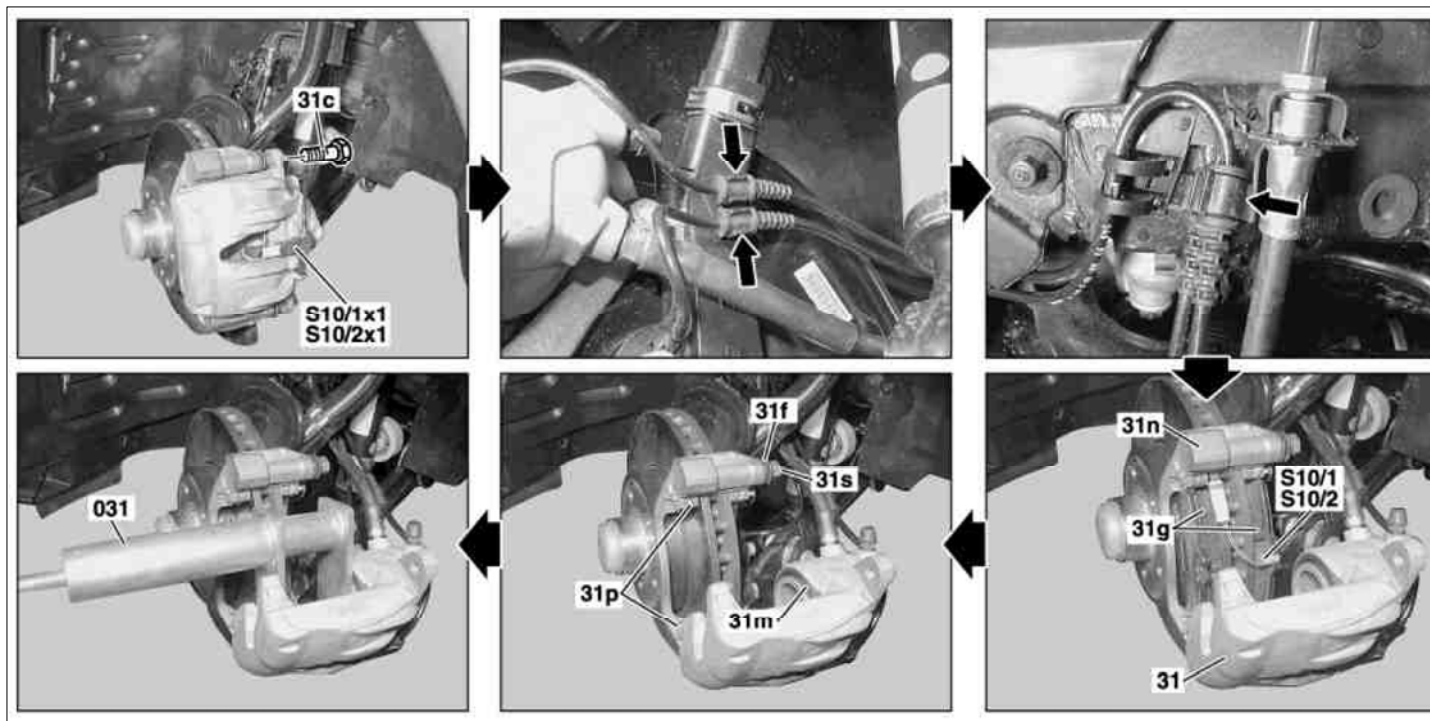


MODEL 211.004 /006 /016 /023,  
 211.026 as of 1.9.03,  
 211.042 /043 /061,  
 211.065 as of 1.9.03,  
 211.080 /082 /083 /084 /087 /089 /092 /206 /216 /242 /243 /261 /280 /282 /283 /284 /287 /289 /292 /6 06



P42.10-2147-09

#### Model 211 without 4MATIC

031 Resetting device  
 31 Floating caliper  
 31c Bolt  
 31f Bellows  
 31g Brake pads

31m Dust boot  
 31n Brake caliper support  
 31p Brake pad guide plates  
 31s Guide bolts

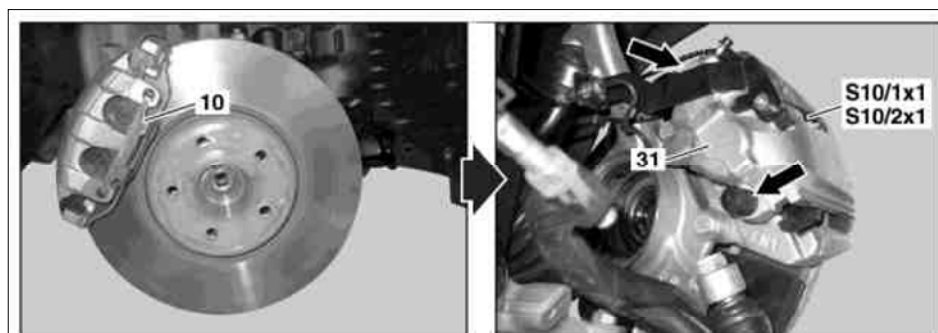
S10/1x1 Left front brake pad contact sensor connector  
 S10/2 Right front brake pad contact sensor  
 S10/2x1 Right front brake pad contact sensor connector

S10/1 Left front brake pad contact sensor

#### Model 211 with 4MATIC

10 Clamp  
 31 Floating caliper

S10/1x1 Left front brake pad contact sensor connector  
 S10/2x1 Right front brake pad contact sensor connector






















P42.10-2274-04

#### Modification notes

15.4.05	Brake fluid filling capacity	Model 211, 230	*BF42.10-P-1001-01A
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☒ ☒	<b>Remove/install</b>		
⚠ <b>Danger!</b>	<b>Risk of death</b> caused by vehicle slipping or toppling off of the lifting platform.	Align vehicle between the columns of the lifting platform and position the four support plates at the lifting platform support points specified by the vehicle manufacturer.	AS00.00-Z-0010-01A

 <b>Danger!</b>	<b>Risk of injury</b> caused by body parts being jammed or crushed. <b>Risk of injury</b> 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
 <b>Danger!</b>	<b>Risk of poisoning</b> caused by swallowing brake fluid. <b>Risk of injury</b> 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
1 	Deactivate SBC brake system using STAR DIAGNOSIS.  Notes on repairs to brake system	 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. All models STAR DIAGNOSIS diagnosis system	AH42.00-P-0003-01A *WE58.40-Z-1013-06A
2 	Lower brake fluid level in brake fluid reservoir down to "MIN" mark.  Brake fluid notes	 Reduce fluid level in order to prevent brake fluid expansion reservoir from overflowing when pushing back brake piston. All models	AH42.50-P-0001-01A
3  <b>AP</b>	Remove the front wheels Remove/install wheels, rotate if necessary		AP40.10-P-4050Z
4	Disconnect left front brake pad contact sensor connector (S10/1x1) and right front brake pad contact sensor connector (S10/2x1)		
5	Unclip electrical feed line of left front brake pad contact sensor (S10/1) and right front brake pad contact sensor (S10/2) from retaining clamps (arrows) at steering knuckles		
6	Unclip electrical feed line of left and right front rpm sensors from retaining clamps (arrows) at steering knuckles		
7	Unclip electrical feed line of left front brake pad contact sensor (S10/1) and right front brake pad contact sensor (S10/2) from retaining clamps (arrow) at the longitudinal members		
8.1	Use a suitable tool to lever out the clip (10)	Model 211.080 /082 /083 /087 /092 /280/ 282 /283 /287 /292	
9.1 	Undo bolt (31c) of guide pin Notes on self-locking nuts and bolts	Except model 211.08 /09 /28 /29 All models  <b>Installation:</b> Install new bolt (31c).  Guide pins, floating caliper to caliper support	AH00.00-N-0001-01A *BA42.10-P-1004-03A
9.2	Remove protective caps (arrows) and the bolts under them	Model 211.080 /082 /083 /087 /092 /280/ 282 /283 /287 /292  <b>Installation:</b> Install new bolts.  Guide pins, floating caliper to caliper support	*BA42.10-P-1004-03A
10.1	Fold down floating caliper (31)	Except model 211.08 /09 /28 /29  Do not exert tension on brake hose.	
10.2	Remove floating brake caliper (31) with brake pads and hang up to one side	Model 211.080 /082 /083 /087 /092 /280/ 282 /283 /287 /292  Do not exert tension on brake hose. Fasten the floating brake caliper (31) to the vehicle to relieve the load on the brake hose. Do not detach the brake hose.	
11	Remove brake pads (31g)	 Only brake pad kits (31g) approved by Mercedes Benz must be installed.  Brake pads (31g) are to be disposed of as special waste. The local authorities can provide information regarding whether disposal is also permitted as industrial waste similar to domestic waste.	
12.1	Take off brake pad guide plates (31p)	Except model 211.08 /09 /28 /29  <b>Installation:</b> Replace brake pads guide panel (31p).	
	<b>Measure</b>		
13  <b>AP</b>	Measure lining thickness of brake pads (31g) and check condition of brake disks Check lining thickness of brake pads and condition of brake disks		AP42.10-P-4251R

	<b>Check</b>		
14	Inspect top and bottom boot (31f) for damage and top and bottom guide bolt (31s) for ease of operation	Replace defective parts.	
15	Check floating brake caliper (31) for signs of leaks	In event of leaks in floating brake caliper (31):  Replace front axle brake caliper	AR42.10-P-0070T
16	Check dust boot (31m) for signs of damage	If dust boot (31m) is damaged:  Replace front axle brake caliper	AR42.10-P-0070T
17	Pull left front brake pad contact sensor (S10/1) and right front brake pad contact sensor (S10/2) out of pad backing plate of brake pads (31g) Note on installing contact sensor for brake lining wear indicator	<b>Installation:</b> Replace defective left front brake pad contact sensor (S10/1) or right front brake pad contact sensor (S10/2).	AH42.10-P-0003-01A
18	Press back brake piston using resetting device (031).	If the brake piston is difficult to move:  Replace front axle brake caliper If after pushing back the brake piston the dust boot (31m) should protrude beyond the brake piston, then this should be placed in position:  Check fold formation in dust boots (floating brake caliper produced by Bosch) Resetting device	AR42.10-P-0070T  AR42.10-P-0153-01T  *000589524300
	<b>Clean</b>		
19	Clean contact surfaces of brake pads (31g) at floating caliper (31)	<b>Installation:</b> Do not use any sharp-edged or pointed objects for cleaning the contact surfaces. Install brake pads (31g) without grease.	
20.1	Grease contact surfaces of brake pad backing plate	Bosch floating brake caliper with color coding as of 08.07.2003	AR42.10-P-0161-02T
21	Install in the reverse order	<b>Installation:</b> The anti-squeal shims enclosed with the repair kit must be fitted on the piston side.	
22	Activate SBC brake system using STAR DIAGNOSIS	The following steps should be run through in STAR DIAGNOSIS: Select the menu item "SBC-Sensotronic Brake Control"/"Initial startup after repair"/"Remove/install brake pads". Then process all the individual steps from top to bottom. STAR DIAGNOSIS diagnosis system	*WE58.40-Z-1013-06A
23	Inspect fluid level in expansion reservoir, adjust to correct level if necessary		*BF42.10-P-1001-01A

**Front axle floating caliper**

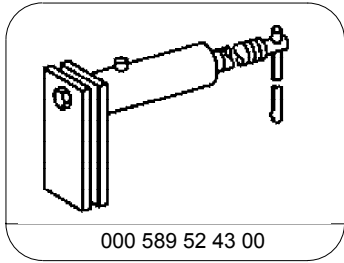
Number	Designation	Models
		211.004/006/ 016/020/022/ 023/042/043/ 061/206/216/ 220/222/242/ 243/261/606 models 211.026/065 as of 01.09.03
BA42.10-P-1004-03A	Guide pins, floating caliper to caliper support	Nm 27

**Front axle floating caliper**

Number	Designation		Model 211.080/082/ 084/087/089/ 092/280/282/ 284/287/289/ 292	Model 211.083/283
BA42.10-P-1004-03A	Guide pins, floating caliper to caliper support	Nm	27	40

 **Brake fluid**

Number	Designation	Model 211
BF42.10-P-1001-01A	Brake fluid	Filling capacity Liters 5 1.4...2.25
	Specifications for Operating Fluids	Sheet BB00.40-P-0330-01A Sheet BB00.40-P-0331-00A



000 589 52 43 00

Resetting device

**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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