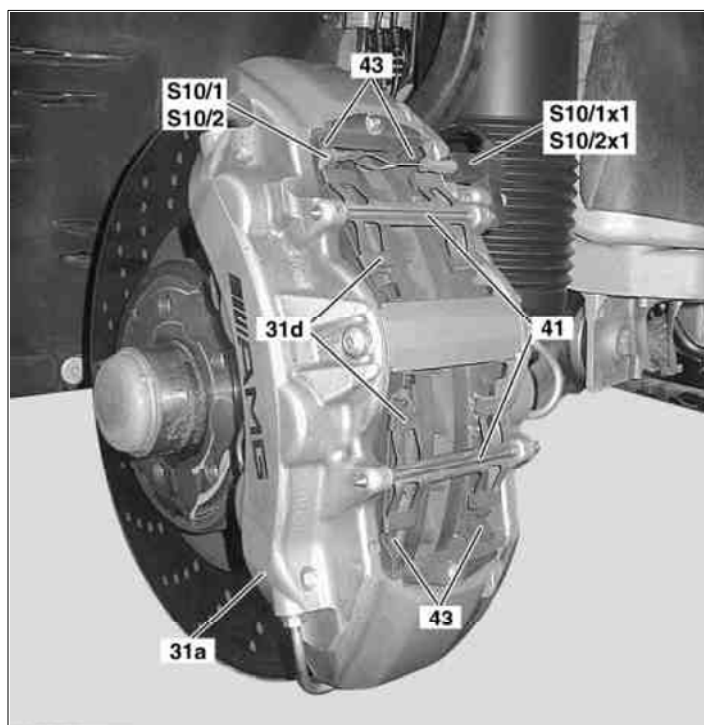


## MODELS 211.076 /276, 230.474 /476

Shown on front axle model 230.474

31 A Fixed caliper  
 31 D Pad retaining plates  
 41 Retaining pins  
 43 Brake pads

S10/1 Left front brake pad contact sensor  
 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



P42.10-2154-12

## Modification notes

2.4.03	Disconnect ground cable from battery, because of SI54.18-P-0003A	Step 6.1	
--------	--	----------	--

	Check		
<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> from swallowing brake fluid. <b>Risk of injury</b> from 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
<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 hydraulic hoist and position the four support plates below the hoist support points specified by the vehicle manufacturer.	AS00.00-Z-0010-01A
1	Lift vehicle with lifting platform until the wheels are clear		
2 AP	Remove the front wheels Remove/install wheels, rotate if necessary		AP40.10-P-4050Z
3 AP 	Check lining thickness of brake pads and condition of brake disks. Check lining thickness of brake pads and condition of brake disks. Notes on repairs to brake system	All models	AP42.10-P-4251R AH42.00-P-0003-01A
4	Check fixed caliper (31a) for leaks and dust seal for damage	If the fixed brake caliper (31a) is leaking or the dust boot is damaged: Install new front axle brake caliper	AR42.10-P-0070RA
	<b>Remove/Install</b>		
5	Deactivate SBC brake system using STAR DIAGNOSIS.	Diagnosis system STAR DIAGNOSIS	*WE58.40-Z-1013-06A

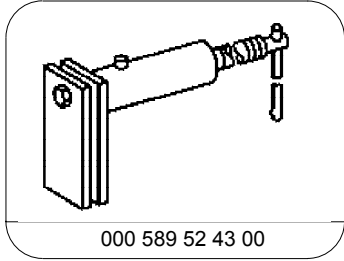
6.1	Disconnect ground cable from battery	Model 211.0. MODEL 211.2.	AR54.10-P-0003T AR54.10-P-0003TA
7	Disconnect left front brake pad contact sensor (S10/1) or right front brake pad contact sensor (S10/2) at the left front brake pad contact sensor connector (S10/1x1) or right front brake pad contact sensor connector (S10/2x1)		
8.1	Unscrew left front brake pad contact sensor connector (S10/1x1) or right front brake pad contact sensor connector (S10/2x1) from fixed brake caliper	Models 211.076 /276.  Bolt, brake pad contact sensor to fixed caliper.	*BA42.10-P-1003-02C
9	Hammer out retaining pins (41) using a punch, remove pad retaining plates (31d)	<b>Installation:</b> Using a punch, hammer in retaining pins (41) as far as the stop. Ensure that the pad retaining plates (31d) are seated correctly.	
10	Pull brake pads (43) out of fixed caliper (31a)	Do not use sharp or pointed implements to clean the brake pad guides. Install front axle brake pads (43) dry. In the process the marking of the brake pads (43) must point in the running direction of the appropriate wheel.  Only complete sets of brake pads (43) approved by Mercedes-Benz may be installed.  Brake pads (43) are to be disposed of as special waste. Please ask local authorities if it is permitted to dispose of these parts as household-like industrial refuse.	
11	Press left front brake pad contact sensor (S10/1) or right front brake pad contact sensor (S10/2) out of the pad backing plate of the brake pads (43) Notes on installing brake pad wear sensor contact sensors	<b>Installation:</b> A defective left front brake pad contact sensor (S10/1) or right front brake pad contact sensor (S10/2) should be replaced.	AH42.10-P-0003-01A
12	Press back piston using resetting device  Brake fluid notes	Draw off some brake fluid beforehand if necessary, to prevent the brake fluid reservoir overflowing when pressing back the piston. All models Secure opposite pairs of pistons with plastic wedges to prevent them from slipping out. Then press back the other pairs of pistons using the resetting device.  If the piston is difficult to move: Replace brake caliper on front axle. Resetting device Wedge	AH42.50-P-0001-01A  AR42.10-P-0070RA *000589524300 *601589076300
13.1	If necessary, clean the perforation of brake disks	Use a corresponding 4.3 mm dia. drift or drill for cleaning.	AR42.10-P-2260-011
14	Install in the reverse order		
15	Activate SBC system using STAR DIAGNOSIS		
16	Use STAR DIAGNOSIS to move brake pads toward brake disks		
17	Inspect fluid level in expansion reservoir, adjust to correct level if necessary	Brake fluid	*BF42.10-P-1001-01A

**Front axle fixed brake caliper**

Number	Designation	Type
BA42.10-P-1003-02C	Bolt, brake pad wear sensor at fixed brake caliper	Nm 8

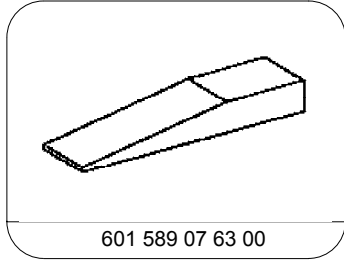
 **Brake fluid**

Number	Designation		Model 230	Model 211	
BF42.10-P-1001-01A	Brake fluid	Filling capacity	Liters	5 0.7...0.9	0,75
		Specifications for Operating Fluids	Sheet	BB00.40-P-0330-01A	BB00.40-P-0330-01A
			Sheet	BB00.40-P-0331-00A	BB00.40-P-0331-00A



000 589 52 43 00

Resetting device



601 589 07 63 00

Wedge

**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
--------------------	---