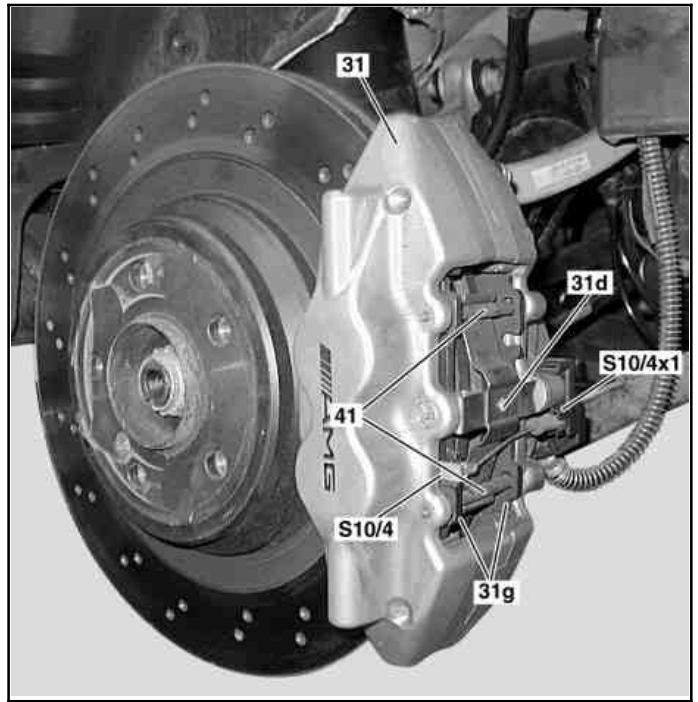


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


















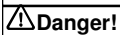


- 31** Fixed caliper
- 31d** Retaining spring
- 31g** Brake pads
- 41** Retaining pins


- S10/4** Right rear brake pad contact sensor
- S10/4x1** Right rear brake pad contact sensor connector



P42.10-2153-12

	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
⚠	Danger!	Risk of injury to skin and eyes caused by handling hot or glowing objects.	Wear safety gloves, protective clothing and safety glasses, if necessary. AS00.00-Z-0002-01A
🔧		Notes on repairs to brake system	AH42.00-P-0003-01A
🔧		Brake fluid notes	AH42.50-P-0001-01A
🔧		Notes on self-locking nuts and bolts	AH00.00-N-0001-01A
1		Unscrew the cap on the brake fluid expansion reservoir and suction off some brake fluid	i In order to prevent the expansion reservoir overflowing when pressing back the brake pistons. Nm *BA42.50-P-1001-01D
2		Deactivate SBC brake system using STAR DIAGNOSIS.	Vehicles with Sensotronic Brake Control (SBC) i 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.
3	AP	Remove rear wheels. Remove/install wheels, rotate if necessary	AP40.10-P-4050TX
4	🔧	Remove brake pad contact sensor (S10/4) Notes on installing brake pad wear sensor contact sensors	i Installation: Replace defective brake pad contact sensor (S10/4). AH42.10-P-0003-01A
5		Detach brake pad contact sensor connector (S10/4x1) from fixed brake caliper (31)	Nm *BA42.10-P-1002-12B
6		Drive out retaining pins (41) using punch and remove retaining spring (31d)	i Installation: Knock retaining pins (41) all the way in. Ensure that retaining spring (31d) is correctly seated.

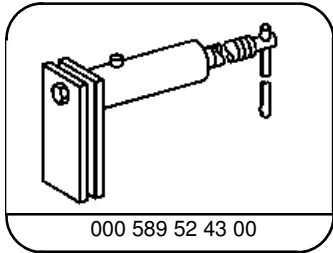
7	Pull brake pads (31g) out of fixed brake caliper (31)	<p> In order to prevent damage when pressing out the brake pads (31g) insert wedge between the  lever and fixed brake caliper (31) .</p> <p> Brake pads (31g) are to be disposed of as special waste. The local authorities can provide information regarding whether disposal is also permitted as industrial waste similar to domestic waste.</p> <p> Installation: Only the brake pads (31g) approved by Mercedes-Benz may be built-in as a set. Install brake pads (31g) with retaining spring (31d) ungreased. The marking on the retaining spring (31d) must point in the direction of rotation of the wheel when driving forwards.</p> <p> </p>	<p>*123589133300 *601589076300</p>
	Checking		
8	<p>Check brake lining thickness and brake disks</p> <p> AP  AP</p> <p>Check brake lining thickness Inspect condition of brake disks</p>	<p> Only replace brake pads (31g) and brake disks in complete sets if necessary.</p>	<p>AR42.10-P-4253A AR42.10-P-4258TX</p>
9	Check fixed caliper (31) for leaktightness and dust boots of brake pistons for damage and correct seating	<p> If the fixed brake caliper (31) is leaking or the dust boot is damaged or incorrectly seated: ↓ Install new fixed brake caliper (31).</p>	AR42.10-P-0080TX
10	 Press back brake piston using pusher tool	<p> In each case secure an opposed pair of brake pistons beforehand with wedges to prevent them from being pressed out . If the brake pads (31g) of several brake calipers are removed, also secure their brake pistons to prevent them from falling out.</p> <p>  Do not fit pusher tool on the brake disk but push back the opposite brake pistons simultaneously. If brake pistons are sluggish:</p> <p style="text-align: center;">↓</p> <p>Install new fixed brake caliper (31).</p> <p></p>	<p>AR42.10-P-0080TX *000589524300</p>
	Clean		
11	If necessary, clean the perforation of brake disks		AR42.10-P-2260-011
12	Clean contact surfaces of brake pads (31g)	<p> Do not use any sharp-edged or pointed tools to prevent damage.</p>	
13	Install in the reverse order		
14.1	Activate SBC brake system using STAR DIAGNOSIS	<p>Vehicles with Sensotronic Brake Control (SBC)</p> <p> 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.</p>	
 Danger!	Risk of accident when commissioning the vehicle due to a lack of braking effect when the service brake is operated for the first time after repair work	<p>Before starting engine, actuate brake pedal several times until the pressure is built up and maintained in the brake system.</p>	AS42.50-Z-0002-01A
14.2	Operate the brake pedal several times until the brake pads (31g) contact the brake disks	<p>Vehicles with Adaptive Brake (ABR)</p> <p> Firm resistance should be noticeable at the brake pedal.</p>	
15	<p>Inspect fluid level in expansion reservoir, adjust to correct level if necessary</p> <p> AP</p> <p>Brake system - inspect fluid level</p>		AP42.10-P-4210TX

 **Rear axle brake caliper**

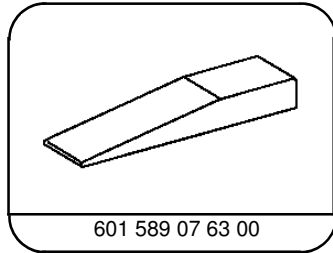
Number	Designation	Model 219
BA42.10-P-1002-12B	Bolt, brake pad contact sensor to brake caliper	Nm 8

Nm Brake system hydraulics

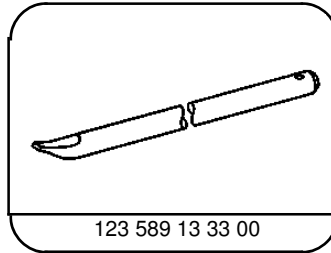
Number	Designation	Model 219
BA42.50-P-1001-01D	Cap to brake fluid expansion reservoir	Nm ≈2



Pusher tool



Wedge



Lever