

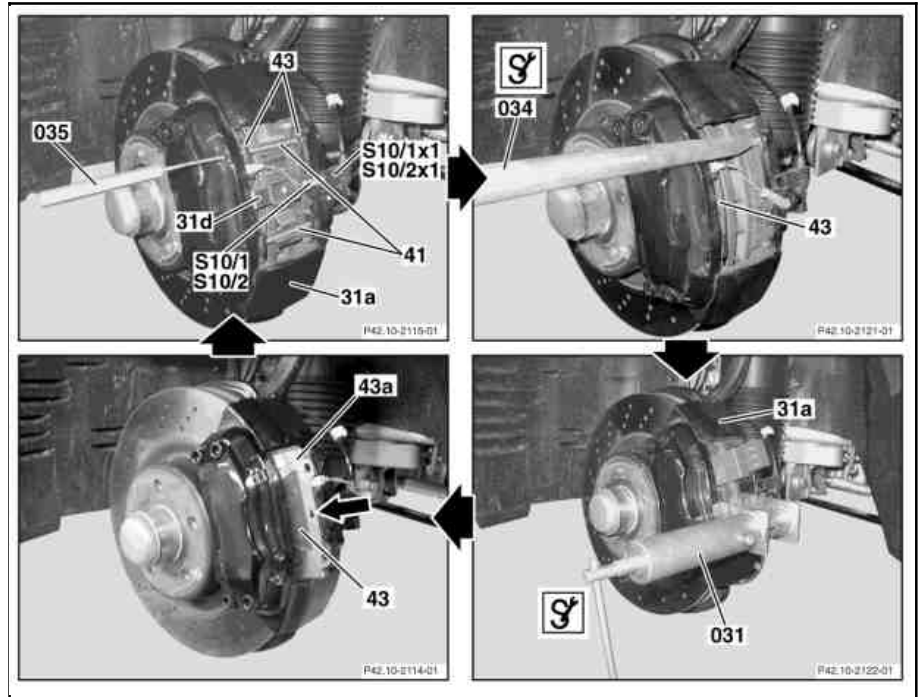


MODEL 219

Shown on 4-piston fixed caliper

- 031  Pusher tool
 034  Lever
 035 Drift
 31a Fixed caliper
 31d Retaining spring
 41 Retaining pin
 43 Brake pad
 43a Panel



P42.10-2124-06

S10/1 Left front brake pad contact sensor

S10/1x1 Left front brake pad contact sensor connector

Shown on 8-piston fixed caliper

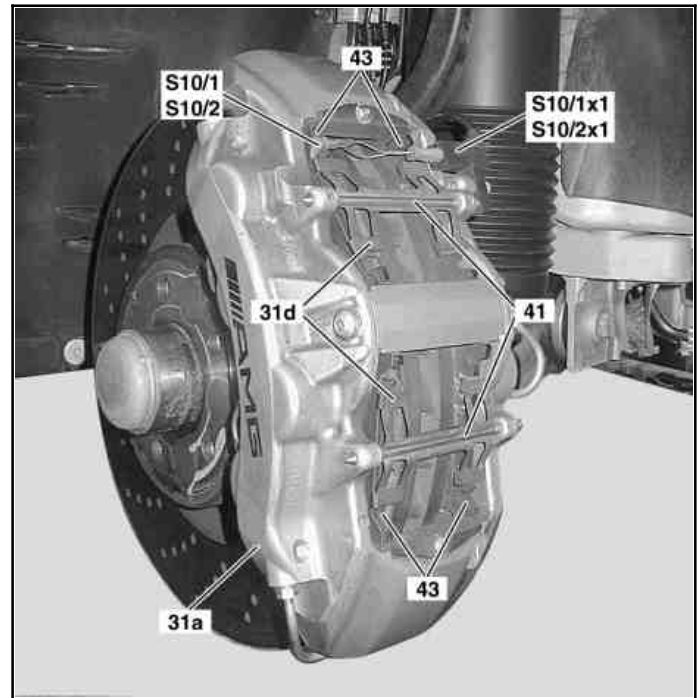
- 31a Fixed caliper
 31d Retaining spring
 41 Retaining pin
 43 Brake pad

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



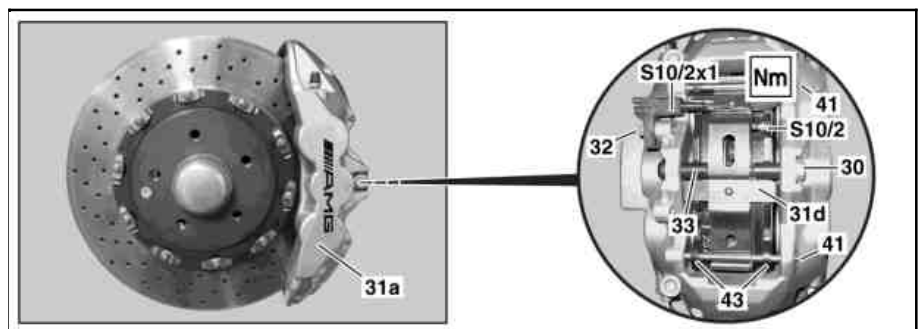
P42.10-2154-12

Shown on 6-piston fixed caliper

- 30 Screw
 31a Fixed caliper
 31d Retaining spring
 33 Retaining spring support
 41 Retaining pin
 43 Brake pad

S10/2 Right front brake pad contact sensor

S10/2x1 Right front brake pad contact sensor connector



P42.10-2405-04

	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	In order to prevent the expansion reservoir overflowing when pressing back the brake pistons. 	*BA42.50-P-1001-01D
2	Deactivate SBC brake system using STAR DIAGNOSIS.	Vehicles with Sensotronic Brake Control (SBC) 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 the front wheels Remove/install wheels, rotate if necessary		AP40.10-P-4050TX
4	Separate brake pad contact sensor connector (S10/1x1, S10/2x1)		
5	Detach brake pad contact sensor connector (S10/1x1, S10/2x1) from fixed brake caliper (31a)	With 6- and 8-piston fixed brake caliper 	*BA42.10-P-1003-10B
6	Drive out retaining pins (41) using punch and remove retaining springs (31d)	Installation: Knock retaining pins (41) all the way in. Pay attention to correct seat of retaining springs (31d).	
7	Remove bolt (30) and detach retaining spring support (33)	With 6-piston fixed brake caliper 	*BA42.10-P-1004-10B
8	Pull brake pads (43) out of fixed caliper (31a)	On 4-piston fixed brake caliper: In order to avoid damage, insert a wedge between the lever (034) and fixed brake caliper (31a) when pressing out the brake pads (43). Brake pads (43) 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. Installation: Only sets of brake pads (43) approved by Mercedes-Benz may be installed. Install front axle brake pads (43) with panel (43a) dry. The marking (arrow) on the plate (43a) or brake pad (43) must point in the direction of rotation of the wheel. 	*123589133300 *601589076300
9	 Pull brake pad contact sensor (S10/1, S10/2) out of the pad backing plate of the brake pads (43) Notes on installing brake pad wear sensor contact sensors	Installation: Replace defective contact sensors (S10/1, S10/2).	AH42.10-P-0003-01A
	Checking		
10	Check brake lining thickness and brake disks AP Check brake lining thickness	Only replace brake pads (43) and brake disks in complete sets if necessary.	AP42.10-P-4253A

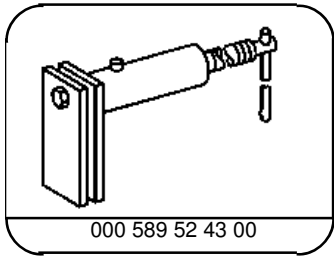
AP	Inspect condition of brake disks		AP42.10-P-4258TX
11	Check fixed brake caliper (31a) for leaktightness and dust boots of brake pistons for damage and correct seating	If necessary: ↓ Install new fixed brake caliper (31a).	AR42.10-P-0070TX
12	Turn back brake piston in pairs using pusher tool	Secure the remaining pairs of brake pistons (31a) beforehand using wedges to prevent them from falling out. If the brake pads (43) of several brake calipers are removed, their brake pistons must also be secured to prevent them from falling out. Do not fit pusher tool on the brake disk but push back the opposite brake pistons simultaneously. If the brake piston is difficult to move: ↓ Install new fixed brake caliper (31a). 	AR42.10-P-0070TX *000589524300 *601589076300
	Clean		
13	If necessary, clean the perforation of brake disks		AR42.10-P-2260-011
14	Install in the reverse order		
15.1	Activate SBC brake system using STAR DIAGNOSIS	Vehicles with Sensotronic Brake Control (SBC) 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.	
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	Before starting engine, actuate brake pedal several times until the pressure is built up and maintained in the brake system.	AS42.50-Z-0002-01A
15.2	Operate the brake pedal several times until the brake pads (43) contact the brake disks	Vehicles with Adaptive Brake (ABR) Firm resistance should be noticeable at the brake pedal.	
16	Inspect fluid level in expansion reservoir, adjust to correct level if necessary Brake system - inspect fluid level		AP42.10-P-4210TX

Front axle brake caliper

Number	Designation		Model 219.372/376/377	Model 219.322/354/356 / 357/375
BA42.10-P-1003-10B	Bolt, brake pad contact sensor to brake caliper	Nm	8	8
BA42.10-P-1004-10B	Bolt, anti-rattle spring support to brake caliper	Nm	30	-

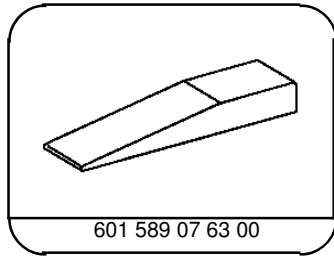
Brake system hydraulics

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



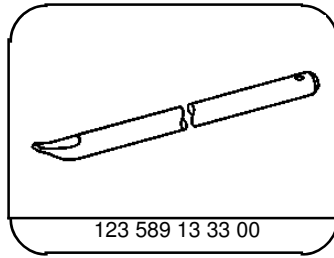
000 589 52 43 00

Pusher tool



601 589 07 63 00

Wedge



123 589 13 33 00

Lever