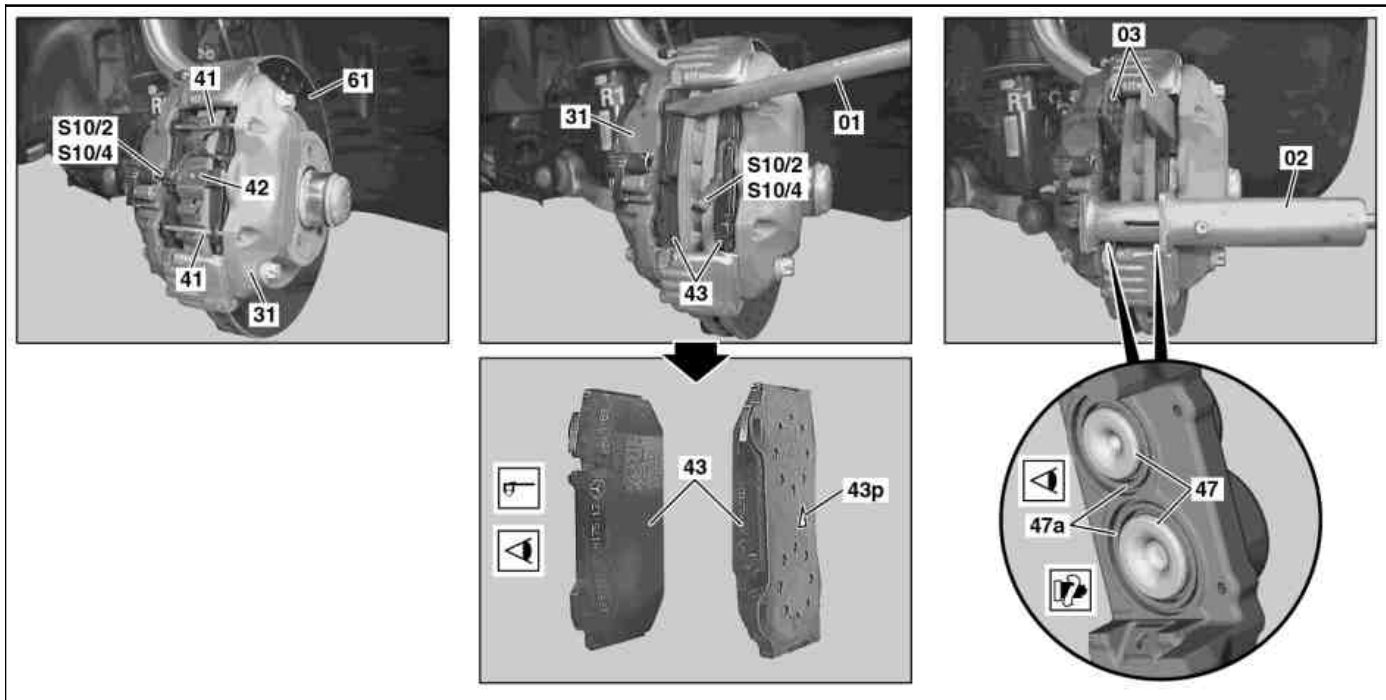


MODEL 216 with ENGINE 273, 275 (except , 275.982)

MODEL 221 with ENGINE 272, 273, 275, 629, 642 (except , 275.982)



P42.10-2536-09

4-piston brake caliper on front axle

- 01 Lever
- 02 Pusher tool
- 03 Wedge
- 31 Brake caliper
- 41 Retaining pin
- 42 Spring steel sheet

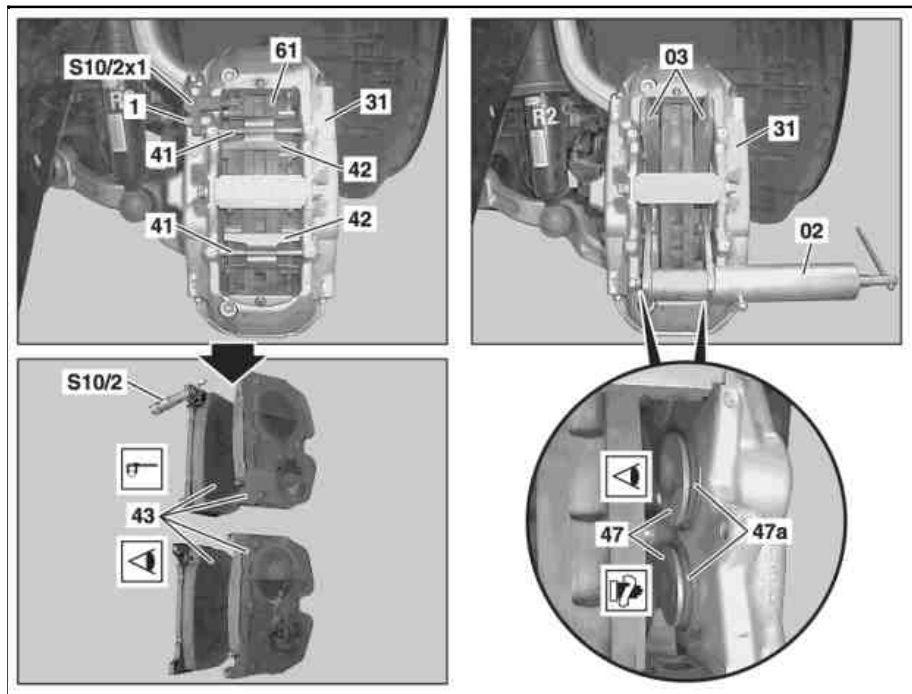
- 43 Brake pad
- 43p Arrow
- 47 Brake piston
- 47a Dust boot
- 61 Brake disk

- S10/2 Right front brake pad contact sensor
- S10/4 Right rear brake pad contact sensor

8-piston brake caliper

- 02 Pusher tool
- 03 Wedge
- 1 Bolt
- 31 Brake caliper
- 41 Retaining pin
- 42 Spring steel sheet
- 43 Brake pad
- 47 Brake piston
- 47a Dust boot
- 61 Brake disk

- S10/2 Right front brake pad contact sensor
- S10/2x1 Right front brake pad contact sensor connector







































P42.10-2565-06

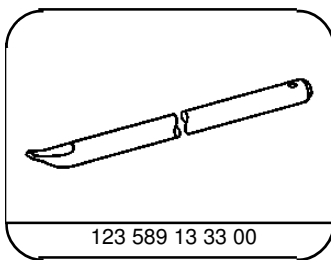
Modification notes

14.11.05	Observe installation position of running direction-bound brake pads, added	Step 8	
	Repair materials for greasing the contact surfaces of the brake lining plates changed	Step 15	

	Remove/install		
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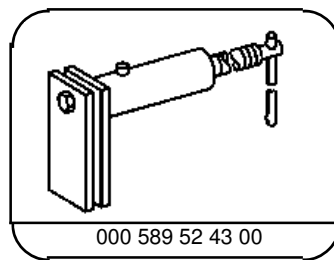
 Danger!	Risk of poisoning caused by swallowing brake fluid. Risk of injury caused by brake fluid coming into contact with skin and eyes	Only pour brake fluid into suitable and appropriately marked containers. Wear protective clothing and eye protection when handling brake fluid.	AS42.50-Z-0001-01A
 Danger!	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
1  	Unscrew the cap on the brake fluid expansion reservoir and suction off some brake fluid Brake fluid notes Notes on repairs to brake system	 In order to prevent the expansion reservoir overflowing when the brake pistons (47) are pushed back.	AH42.50-P-0001-01A AH42.00-P-0003-01A
2  AP 	Remove wheels Remove/install wheels Checking		AP40.10-P-4050SX
3  AP 	Check brake pads (43) and brake disks (61) Check brake lining thickness Inspect condition of brake disks	 Replace brake pads (43) and brake disks (61) in complete sets if necessary.	AP42.10-P-4253A AP42.10-P-4258SX
4	Separate electrical connector of front right contact sensor or rear right contact sensor (S10/2, S10/4)	When removing the brake pads (43) on the right-hand brake caliper (31)	
5.1	Pull right front brake pad contact sensor (S10/2) out of bracket on spring steel sheet (42)	When removing brake pads (43) on right 4-piston brake caliper (31) of front axle, not model 221 with top protection, code Z07	
5.2	Remove bolt (1) and right front brake pad contact sensor connector (S10/2x1) from brake caliper (31)	When removing the brake pads (43) on the right-hand 8-piston brake caliper (31) of front axle	
6	Hammer out retaining pins (41) using a drift	 Installation: Drive retaining pins (41) all the way into brake caliper (31).	
7	Remove spring steel sheet (42)		
8	Pull brake pads (43) out of brake caliper (31)	 4-piston brake caliper (31): Press out seized brake pads (43) using  lever (01). 8-piston brake caliper (31): Pull out seized brake pads (43) using pliers.  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 the brake pads (43) approved by Mercedes-Benz may be built-in as a set.  Installation: As of 12/05 running-direction bound brake pads (43) are fitted in the 4-piston brake calipers (31) on the front axle. Mount all brake pads (43) so that the arrow on the lining caliper (43p) points in the direction of rotation of the wheel when driving forwards. In the event of noise complaints only fit running direction-bound brake pads (43).	*123589133300
9 	Pull right front or right rear brake pad contact sensor (S10/2, S10/4) out of the brake pad (43) Notes on installing brake pad wear sensor contact sensors	 Installation: Replace defective right front or right rear brake linings(S10/2, S10/4).	AH42.10-P-0003-01A
	Checking		
10	Check brake caliper (31) for leaks	 In the event of leaks: ↓ Install new front axle brake caliper. Replace rear axle brake caliper.	AR42.10-P-0070SX AR42.10-P-0080SX
11	Check brake piston (47) dust boots (47a)	 Check dust boots (47a) for damage and correct seating, if necessary: ↓ Install new front axle brake caliper. Replace rear axle brake caliper.	AR42.10-P-0070SX AR42.10-P-0080SX

12	Press back brake piston (47)  using pusher tool (02)	<p> Secure further pairs of pistons of the brake caliper (31) before with the  wedges (03) to prevent them from falling out. If the brake pads (43) of several brake calipers (31) are removed, their brake pistons (47) must also be secured to prevent them from falling out.</p> <p>  Do not fit the pusher tool (02) to the brake disk (61), but push back the opposite brake pistons (47) simultaneously.</p> <p> </p> <p> If the brake pistons (47) are sluggish, the brake caliper (31) must be replaced: ↓ Install new front axle brake caliper. Replace rear axle brake caliper.</p>	<p>*000589524300 *601589076300</p> <p>AR42.10-P-0070SX AR42.10-P-0080SX</p>
	Clean		
13	If necessary, clean the perforation in the brake disks (61)		AR42.10-P-2260-01I
14	Clean the contact surfaces of the brake pads (43) in the brake caliper (31) with rags	<p> Do not damage dust boots (47a). Do not use any sharp-edged or pointed tools, otherwise the brake caliper (31) will be damaged.</p> <p>LU cleaner</p>	*BR00.45-Z-1028-04A
15	Coat brake pad paste on the contact surfaces of the brake lining plate	Molykote Cu-7439 brake pad paste	*BR00.45-Z-1057-06A
16	Install in the reverse order		
 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
17	Press the brake pedal several times until the brake pads (43) contact the brake disks (61)	 A firm resistance must be noticeable at the brake pedal.	
	Checking		
18	Inspect fluid level in expansion reservoir, adjust to correct level if necessary Brake system - inspect fluid level		AP42.10-P-4210SX
 AP			
19	Check function and effect of brake system Brake test on roller brake test stand.		AP42.00-P-4292SX
 AP			



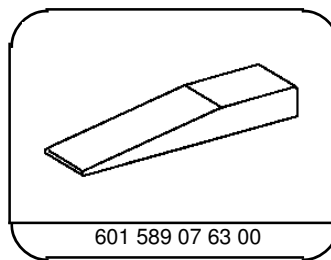
123 589 13 33 00

Lever



000 589 52 43 00

Pusher tool



601 589 07 63 00

Wedge

Repair materials

Number	Designation	Order number
BR00.45-Z-1028-04A	LU cleaner	Adolf Würth GmbH & Co. KG Reinhold-Würth-Str. 12-17 74653 Künzelsau-Gaisbach Germany Tel. +49-7940-15-0 Fax +49-7940-15-1000 www.wuerth.de
BR00.45-Z-1057-06A	Molykote Cu-7439 brake pad paste	A 001 989 87 51