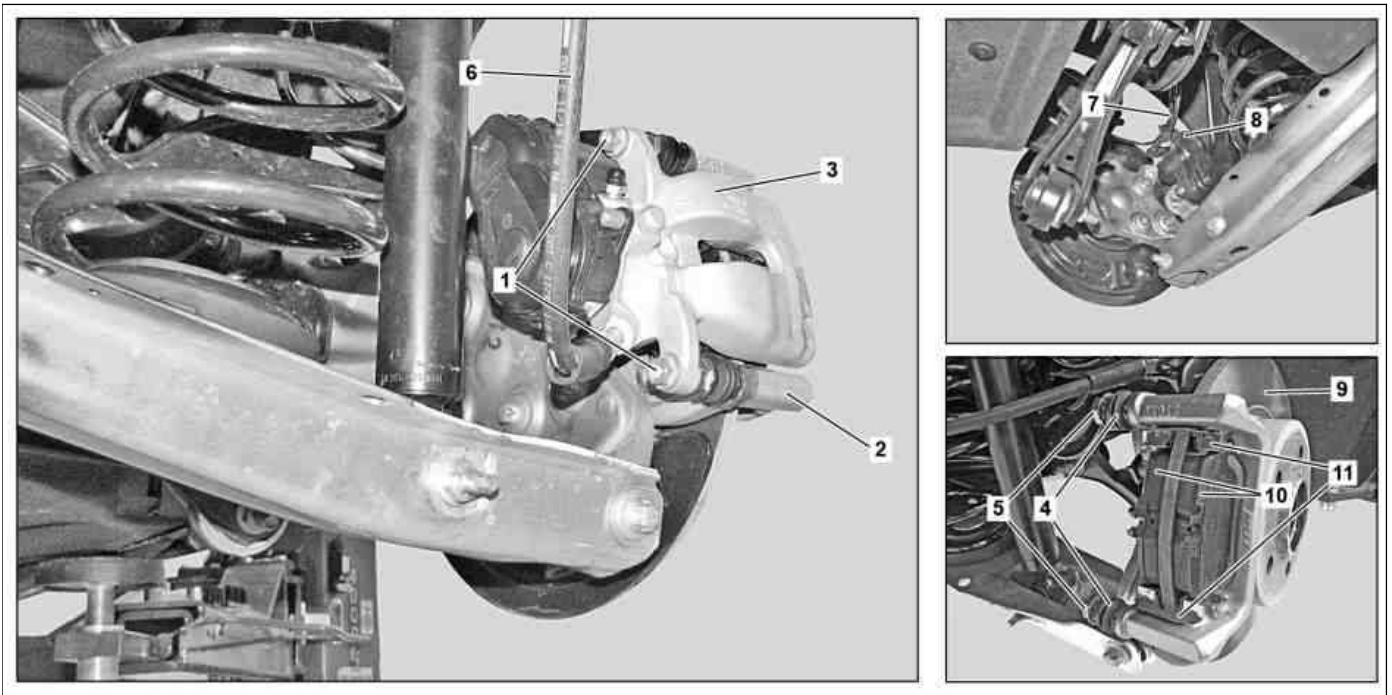


Document title Removing, checking and installing rear axle brake pads

Document number ar4210p1700nkb

Model 117, 156, 176, 242, 246

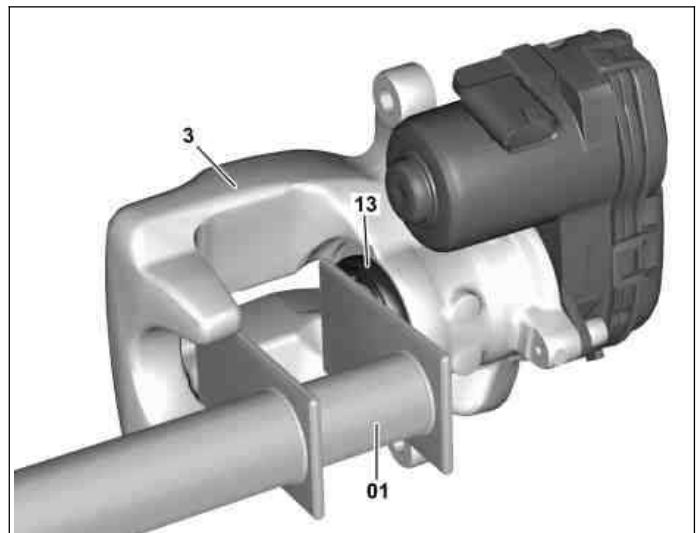


P42.10-2896-09

Shown on model 246

- | | | |
|-------------------|-------------------|------------------------|
| 1 Bolts | 5 Guide pin | 9 Brake disk |
| 2 Caliper support | 6 Brake hose | 10 Brake linings |
| 3 Brake caliper | 7 Electrical line | 11 Spring steel sheets |
| 4 Bellows | 8 Retaining frame | |

- | |
|-----------------|
| 01 Pusher tool |
| 3 Brake caliper |
| 13 Dust boot |



P42.10-2868-11

Danger!	Risk of injury. Skin or eye injuries may result when handling hot or glowing objects.	Wear protective gloves, protective clothing and safety glasses, if necessary.	AS00.00-Z-0002-01A
Danger!	Risk of poisoning from swallowing brake fluid. Risk of injury from skin and eye contact with brake fluid	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
	Notes on externally invisible brake fluid loss		AH42.10-P-9406-02V
	Notes on self-locking nuts and bolts		AH00.00-N-0001-01A

	Brake fluid notes		AH42.50-P-0001-01A
	Notes on repairs to brake system		AH42.00-P-0003-01A
	Notes on repair work on suspension components		AH00.00-P-0100-01A
	Notes on installing brake wear indicator contact sensors		AH42.10-P-0003-01CW
	Remove/install		
1	Position brake pads (10) on rear axle in assembly position	 Do not depress the service brake during "Move to assembly position". Otherwise, the spindle in the brake caliper (3) can be damaged.	AR42.10-P-1700-02W
2	Switch off ignition and store transmitter key outside of transmission range (min. 2 m)	In order to prevent unintended movement away from the assembly position.	
3	Clean area around cap on expansion reservoir for brake fluid		
4 	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. Extracted brake fluid must be disposed of properly.	AP42.10-P-4210AK
5 	Remove rear complete wheels		AP40.10-P-4050AK
6	Unclip electrical line (7) of rpm sensor from retaining frame (8)		
7	Remove bolts (1) from guide pin (5)	Guide pin to brake caliper support	*BA42.10-P-1004-12J
8	Remove brake caliper (3) from brake caliper support (2) and fasten to vehicle in unstressed condition to relieve brake hose (6) and electrical line (7)	 The brake hose (6) may not be pulled or kinked. Otherwise the brake hose (6) and the electrical line (7) can be damaged. The electrical connection on the actuator motor for the electric parking brake may not be disconnected. Brake hose (6) may not be removed.	
9	Remove brake pads (10) from brake caliper support (2)	Installation: Only sets of brake linings (10) approved by Mercedes-Benz may be installed. Installation: Do not apply brake pastes or lubricants to the brake pads (10) and brake calipers (3)! Model 117.352/952, 156.952, 176.052 Installation: The brake lining (10) with support for the brake wear sensor must be installed on the brake piston side.	
10	Remove spring plates (11) from brake caliper support (2)	If there are problems ↓ Replace spring plates (11) in sets.	
	Check and measure		
11 	Check brake pad (10) for condition and wear	Model 242 Model 246 Model 176 Model 156 Model 117 If there are problems ↓ Replace set of brake linings (10).	AP42.10-P-4252NKG AP42.10-P-4252NK AP42.10-P-4252KN AP42.10-P-4252GLA AP42.10-P-4252AH
12 	Check condition of brake disk (9) and gauge degree of wear	Model 117 Model 176 Model 246 Model 242 Model 156 If there are problems	AP42.10-P-4258NK AP42.10-P-4258NM AP42.10-P-4258NR AP42.10-P-4258NP AP42.10-P-4258NL

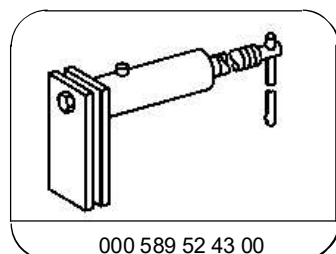
		↓ Replace sets of brake disks (9).	AR42.10-P-0220NKB
13	Check boots (4) for damage and correct seating and check guide pin (5) for ease of movement	If there are problems ↓ Replace brake caliper (3) on rear axle.	AR42.10-P-0080NKB
14	Check brake caliper (3) and dust boot (13) or brake piston for damage	If there are problems ↓ Replace brake caliper (3) on rear axle.	AR42.10-P-0080NKB
15	Use suitable cloth to clean contact surfaces of brake linings (10) on brake caliper (3) and on brake caliper support (2)	⚠ Do not damage the dust boot (13) on the brake piston. Do not use sharp-edged or pointed objects. Otherwise the brake caliper (3) or the brake caliper support (2) may be damaged.	
16	Press back brake piston using pusher tool (01)	🔧 Resetting device If brake piston is sluggish ↓ Replace brake caliper (3) on rear axle.	*000589524300 AR42.10-P-0080NKB
17	Install in the reverse order		
Concluding tasks			
⚠ 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 the engine, actuate brake pedal several times until pressure is built up and maintained in the brake system.	AS42.50-Z-0002-01A
18	Depress brake pedal several times until brake pads (10) rest against brake disks (9)	ℹ Firm resistance should be noticeable at the brake pedal.	
19	Check fluid level in brake fluid reservoir, and correct if necessary		AP42.10-P-4210AK
20	Carry out brake test on the test stand		AP42.00-P-4290BA

 Rear axle brake caliper

Number	Designation		Model 117	Model 156
BA42.10-P-1004-12J	Guide pin to brake caliper support	Nm	35	35

 Rear axle brake caliper

Number	Designation		Model 176, 246	Model 242
BA42.10-P-1004-12J	Guide pin to brake caliper support	Nm	35	35



000 589 52 43 00

Resetting device