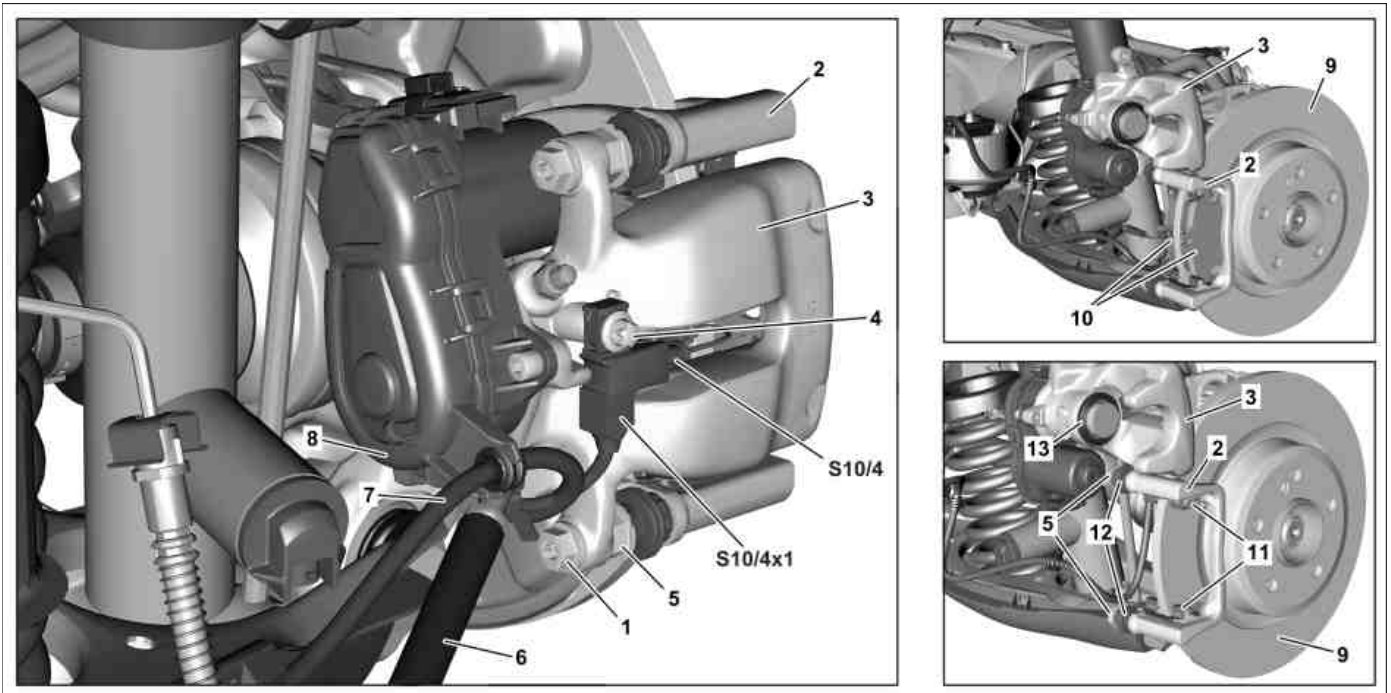


MODEL 166, 172

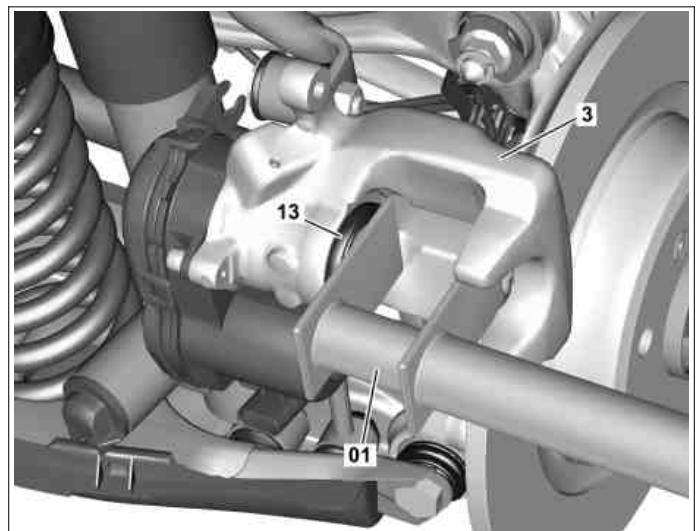


P42.10-2865-09

## Shown model 172.457

1	Screw	6	Brake hose	11	Spring steel sheet
2	Caliper support	7	Electrical line	12	Bellows
3	Brake caliper	8	Retaining frame	13	Dust boot
4	Screw	9	Brake disk	S10/4	Right rear brake lining wear sensor
5	Guide pin	10	Brake lining	S10/4x1	Right rear brake lining wear sensor electrical connector

01	Pusher tool
3	Brake caliper
13	Dust boot



P42.10-2866-11



























## Remove/install

**⚠ 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

 <b>Danger !</b>	<b>Risk of poisoning</b> from swallowing brake fluid. <b>Risk of injury</b> 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 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 installing brake wear indicator contact sensors		AH42.10-P-0003-01CW
1	Move brake lining (10) of rear axle into assembly position	 Do not depress the service brake during "Move to assembly position". Otherwise, the spindle in the brake caliper (3) can be damaged.  The engine hood must be closed.  <b>Installation:</b> Exit assembly position of the rear-axle brake linings (10).	AR42.10-P-1700-02W
2	Switch off ignition and remove transmitter key or KEYLESS-GO start/stop button from electronic ignition lock control unit	 KEYLESS-GO start/stop button only on vehicles with code (889) Keyless-Go.	
3	Open engine hood and raise to vertical position	MODEL 166, 172  MODEL 166 MODEL 172.4	AR88.40-P-1000GQ AR88.40-P-1000V
4	Remove cover over left suspension strut tower	MODEL 166	
	<b>Clean</b>		
5	Clean the area around the cap of the brake fluid reservoir	Cleaner from package	*BR00.45-Z-1028-04A
6	Unscrew cap of brake fluid reservoir and extract some brake fluid	 In order to prevent the brake fluid reservoir from overflowing when pressing back the brake pistons.	
7  	Detach rear complete wheels	MODEL 166 MODEL 172	AP40.10-P-4050EW AP40.10-P-4050V
8	Disconnect right rear brake lining wear sensor (S10/4) from electrical connection of right rear brake lining wear sensor (S10/4x1)	 When removing the brake linings (10) on the right-hand side of the vehicle.	
9	Remove screw/bolt (4) and remove electrical connection of the right rear brake lining wear sensor (S10/4x1)	MODEL 172   When removing the brake linings (10) on the right-hand side of the vehicle.   MODEL 172	*BA42.10-P-1003-12J
10.1	Unclip electrical line (7) from retaining frame (8)	MODEL 172	
10.2	Release and disconnect electrical connector on electric parking brake actuator motor	MODEL 166	
11	Remove bolt (1) on lower guide pin (5)	 Counterhold guide pin (5).   MODEL 166   MODEL 172	*BA42.10-P-1004-12L  *BA42.10-P-1004-12J
12	Swivel brake caliper (3) upwards	 Do not tension or kink brake hose (6). Attach brake caliper (3) to the vehicle free of tension to relieve the brake hose (6) and the electrical line (7). Otherwise the brake hose (6) and the electrical line (7) can be damaged.  Do not detach brake hose (6).  <b>Installation:</b> Guide the right rear brake lining wear sensor (S10/4) through the opening of the right brake caliper (3).	
13	Remove brake linings (10) from brake caliper support (2)	 <b>Installation:</b> Do not apply brake pastes or lubricants to brake linings (10) and brake calipers (3).  <b>Installation:</b> Only sets of brake linings (10) approved by Mercedes-Benz may be installed.	


		<b>i</b> <b>Installation:</b> The brake lining (10) with the mount for the brake lining wear sensor must be installed on the brake piston side.	
14	Pull right rear brake lining wear sensor (S10/4) out of brake lining (10)	When replacing the brake linings (10) on the right-hand-side of vehicle. <b>i</b> <b>Installation:</b> Replace defective right rear brake lining wear sensor (S10/4).	
15	Remove spring plates (11) from brake caliper support (2)		
	<b>Measure</b>		
16	Check condition of brake linings (10) and measure degree of wear	<b>i</b> If necessary, replace brake linings (10).	AP42.10-P-4253A
17	Check condition of brake disk (9) and gauge degree of wear	MODEL 172 MODEL 166 Replace brake disk (9) if necessary: ↓ Remove/install brake disc MODEL 172.475 MODEL 172 (except 172.475) MODEL 166	AP42.10-P-4258V AP42.10-P-4258GQ  AR42.10-P-0220MMI AR42.10-P-0220W AR42.10-P-0220GZ
18	Check brake caliper (3) and dust boot (13) on brake piston for damage	Replace brake caliper (3) if damaged:  ↓ Remove/install rear-axle brake caliper	AR42.10-P-0080W
19	Check boots (12) for damage and correct seating and check guide pin (5) for ease of movement	Replace brake caliper support (2) if damaged, see:  ↓ Remove/install rear-axle brake caliper	AR42.10-P-0080W
20	Press back brake piston using pusher tool (01)	Resetting device  If brake piston is sluggish, replace brake caliper (3):  ↓ Remove/install rear-axle brake caliper	*000589524300  AR42.10-P-0080W
	<b>Clean</b>		
21	Clean contact surfaces of the brake linings (10) on brake caliper (3) and brake caliper support (2) using a rag	Do not damage 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) can be damaged. Cleaner from package	*BR00.45-Z-1028-04A
22	Install in the reverse order		
<b>Danger !</b>	<b>Risk of accident</b> 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 pressure is built up and maintained in the brake system.	AS42.50-Z-0002-01A
23	Depress brake pedal several times until brake linings (10) rest against brake disks (9)	<b>i</b> Firm resistance should be noticeable at the brake pedal.	
24	Check fluid level in the brake fluid reservoir, correct if necessary	MODEL 166 MODEL 172	AP42.10-P-4210GZ AP42.10-P-4210V
25	Carry out brake test on the test stand		AP42.00-P-4290BA

**Rear axle brake caliper**

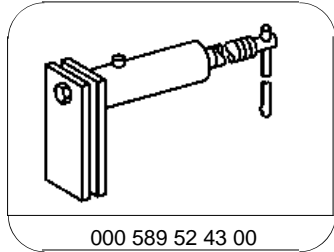
Number	Designation		MODEL 172
BA42.10-P-1003-12J	Screw/bolt, brake lining contact sensor to brake caliper	Nm	8

**Rear axle brake caliper**

Number	Designation		MODEL 172
BA42.10-P-1004-12J	Guide pin to brake caliper support	Nm	28

 Rear axle brake caliper

Number	Designation		MODEL 166
BA42.10-P-1004-12L	Bolt, brake caliper to guide pin	Nm	35



Resetting device

Repair materials

Number	Designation	Order number
BR00.45-Z-1028-04A	Cleaner from package	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