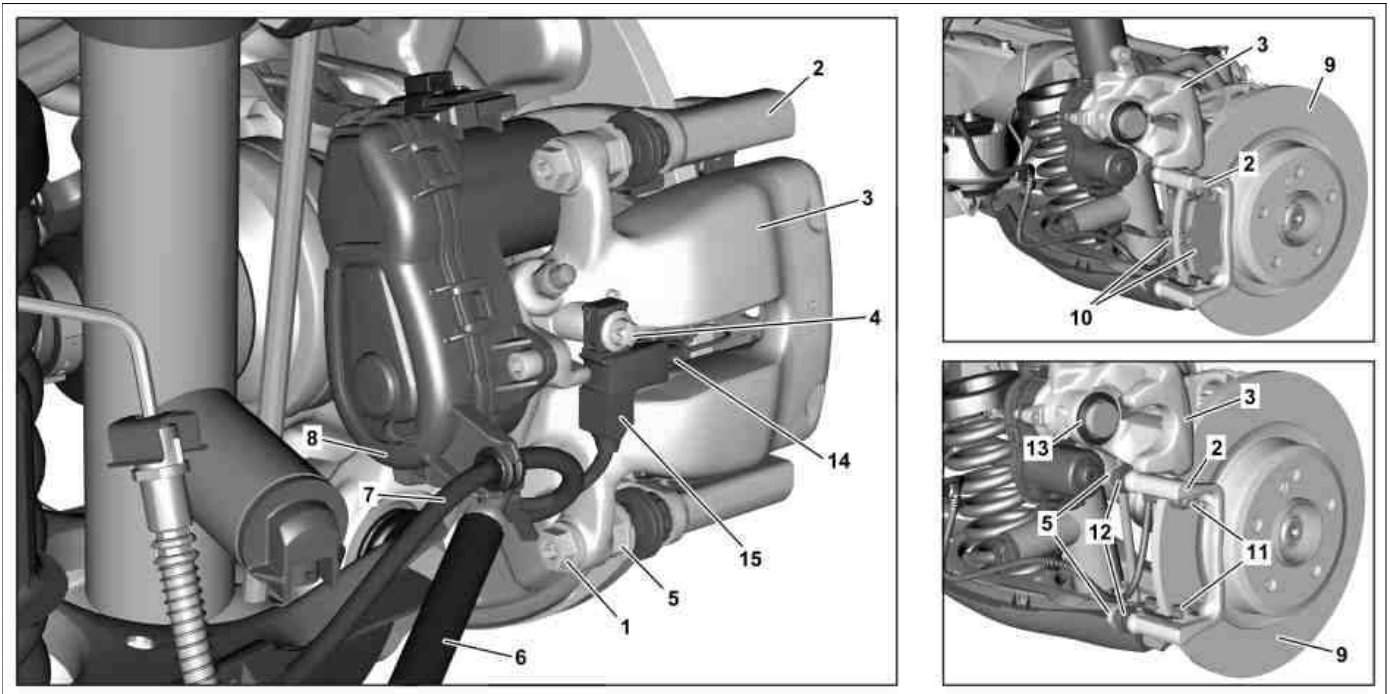


Model 166, 172, 292



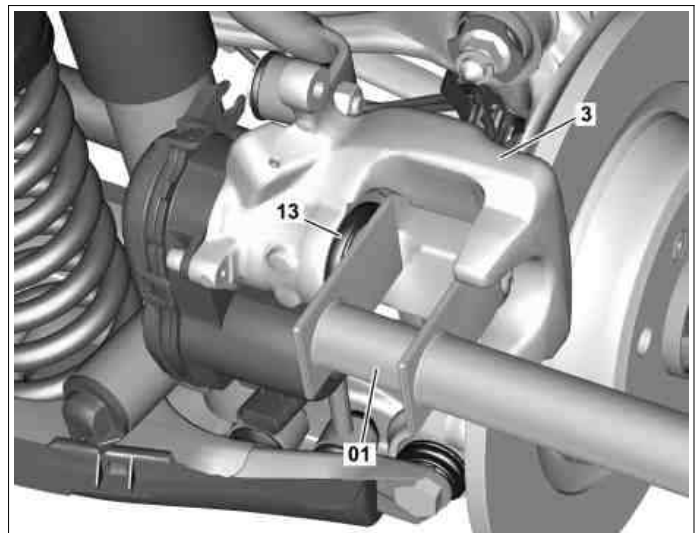
P42.10-3096-09

## Shown on model 172.457

- |                   |                   |                                 |
|-------------------|-------------------|---------------------------------|
| 1 Bolt            | 6 Brake hose      | 11 Spring steel sheets          |
| 2 Caliper support | 7 Electrical line | 12 Bellows                      |
| 3 Brake caliper   | 8 Retaining frame | 13 Dust boot                    |
| 4 Bolt            | 9 Brake disk      | 14 Right rear brake wear sensor |
| 5 Guide pin       | 10 Brake linings  | 15 Electrical connector         |


















## Shown on model 172.457

















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



P42.10-2866-11

⚠ Warning	<b>Risk of injury.</b> 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
⚠ Caution	<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

	Information on preventing damage to electronic components due to electrostatic discharge		AH54.00-P-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
	<b>Remove/install</b>		
1	Move brake pads (10) of the rear axle into assembly position	 Do not depress the service brake during <b>Move to assembly position</b> . Otherwise, the spindle in the brake caliper (3) can be damaged.  <b>Removal:</b> The engine hood must be closed.  <b>Installation:</b> The assembly position for the brake lining (10) on the rear axle must be exited.	AR42.10-P-1700-02W
2	Switch off ignition and keep transmitter key at a location beyond transmitter range (at least 2 m)		
3	Remove cover over left suspension strut tower	Model 166, 292	
	<b>Clean</b>		
4	Clean the area around the cap of the brake fluid reservoir		
5	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.  Extracted brake fluid must be disposed of properly.	
6  	Detach rear complete wheels	Model 166 Model 172 Model 292	AP40.10-P-4050EW AP40.10-P-4050V AR40.10-P-1100GQC
7	Detach right rear brake wear sensor (14) from electrical connection (15)	When removing brake linings (10) on right side of vehicle.	
8	Unscrew bolt (4)	Model 172 When removing brake linings (10) on right side of vehicle.  Screw/bolt, brake wear sensor to brake caliper	*BA42.10-P-1003-12J
9	Remove electrical connection (15)	Model 172 When removing brake linings (10) on right side of vehicle.	
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, 292	
11	Remove bolt (1) on lower guide pin (5)	 Model 166, 292 Screw/bolt, brake caliper to guide pin  Model 172 Guide pin to brake caliper support or bolt for guide pin to brake caliper	*BA42.10-P-1004-12L *BA42.10-P-1004-12J
12	Swivel brake caliper (3) upwards and fix in place	 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.  The brake hose (6) may <b>not</b> be detached.	
13	Remove brake pads (10) from brake caliper support (2)	 <b>Installation:</b> Only complete sets of brake linings (10) approved by Mercedes-Benz may be installed.  <b>Installation:</b> Do <b>not</b> apply brake paste or lubricants to the brake linings (10) and brake calipers (3).  <b>Installation:</b> The brake lining (10) with support for the brake wear sensor must be mounted on the brake piston side.	

		 Dispose of the brake linings (10) as special waste. The local authorities can provide information regarding whether disposal is also permitted as industrial waste similar to domestic waste.	
14	Pull rear right brake wear sensor (14) out of brake lining (10)	When replacing brake linings (10) on right side of vehicle.	
15	Remove spring plates (11) from brake caliper support (2)	If there are problems ↓ Replace spring steel sheets (11).	
	<b>Measure</b>		
16   	Check condition of brake linings (10)	Model 172 Model 166 Model 292 If necessary ↓ Replace brake linings (10) in sets.	AP42.10-P-4252SLB AP42.10-P-4252GB AP42.10-P-4252B
17  	Check condition of brake disk (9)	Model 166 Model 172 Model 292 If necessary ↓ Replace brake disks (9) in sets. Model 166, 292 Model 172.466/475 Model 172 (except 172.466/475)	AP42.10-P-4258GQ AP42.10-P-4258V AR42.10-P-0120A  AR42.10-P-0220GZ AR42.10-P-0220MMI AR42.10-P-0220W
	<b>Check</b>		
18	Check brake caliper (3) and dust boot (13) on brake piston for damage	If there are problems ↓ Replace corresponding component.	AR42.10-P-0080W
19	Check boots (12) for damage and correct seat	If there are problems ↓ Replace boots (12).	
20	Check guide pin (5) for ease of movement	If there are problems ↓ Repair guide pin (5) and guide, replace, if necessary.	
	<b>Clean</b>		
21	Clean contact surfaces of brake linings (10) on brake caliper (3) and on brake caliper support (2)	 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) may be damaged.	
22	Press back brake piston using pusher tool (01)	 Resetting device If brake piston is sluggish ↓ Replace brake caliper (3)	*000589524300  AR42.10-P-0080W
23	Install in the reverse order		
	<b>Initial startup</b>		
24	<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. Depress brake pedal several times until brake pads (10) rest against brake disks (9)	Before starting the engine, actuate brake pedal several times until pressure is built up and maintained in the brake system.   When operating the brake pedal, a firm resistance must be felt.	AS42.50-Z-0002-01A
	<b>Check</b>		
25  	Check fluid level in the brake fluid reservoir, correct if necessary	Model 166, 292 Model 172	AP42.10-P-4210GZ AP42.10-P-4210V
26 	Carry out brake test on the test stand		AP42.00-P-4290BA

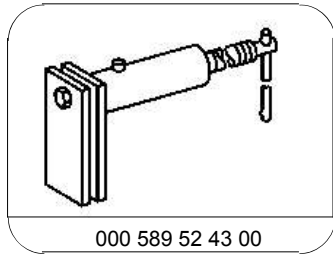
Number	Designation		Model 172
BA42.10-P-1003-12J	Screw/bolt, brake wear sensor to brake caliper	Nm	8

**Nm** Rear axle brake caliper

Number	Designation		Model 172
BA42.10-P-1004-12J	Guide pin to brake caliper support or bolt for guide pin to brake caliper	Nm	28

**Nm** Rear axle brake caliper

Number	Designation		Model 166	Model 292
BA42.10-P-1004-12L	Screw/bolt, brake caliper to guide pin	Nm	35	35



Resetting device