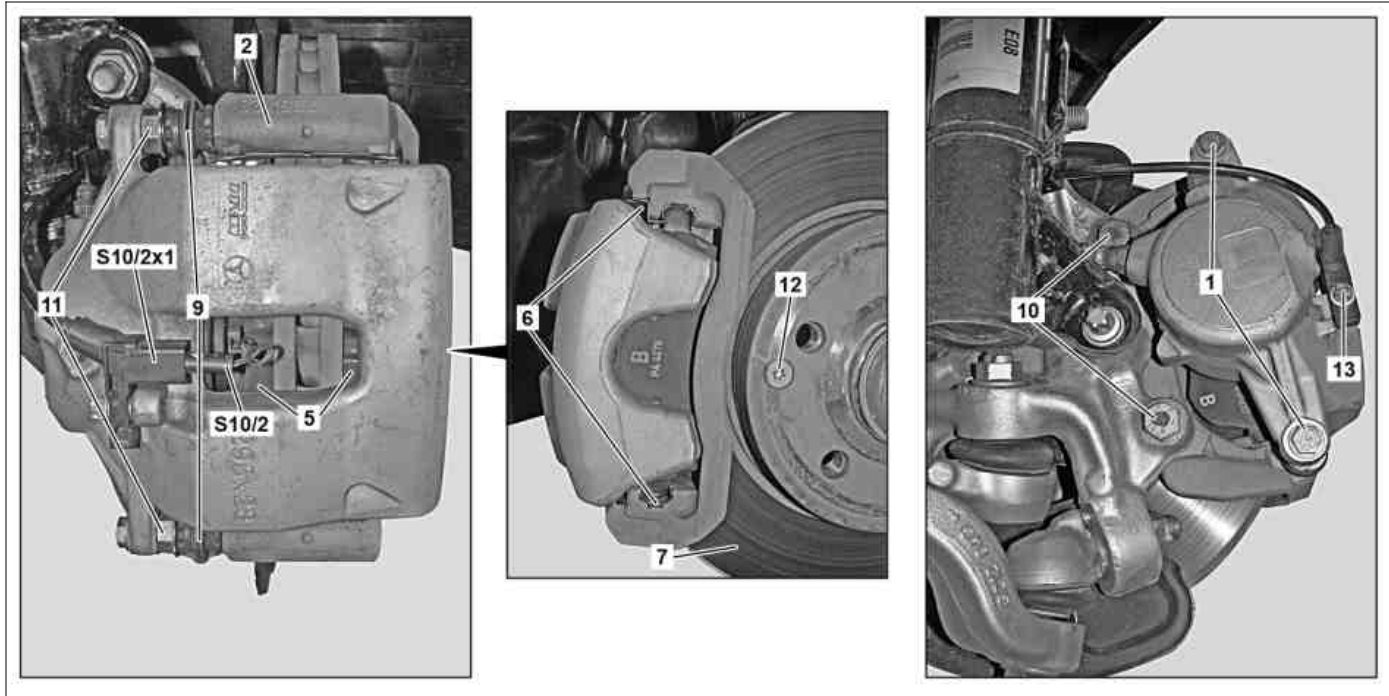


AR42.10-P-0225EW	Remove/install brake disk, brake caliper and brake pads of the front wheel brake	8.12.11
------------------	--	---------

MODEL 207, 212
with single-piece brake caliper support

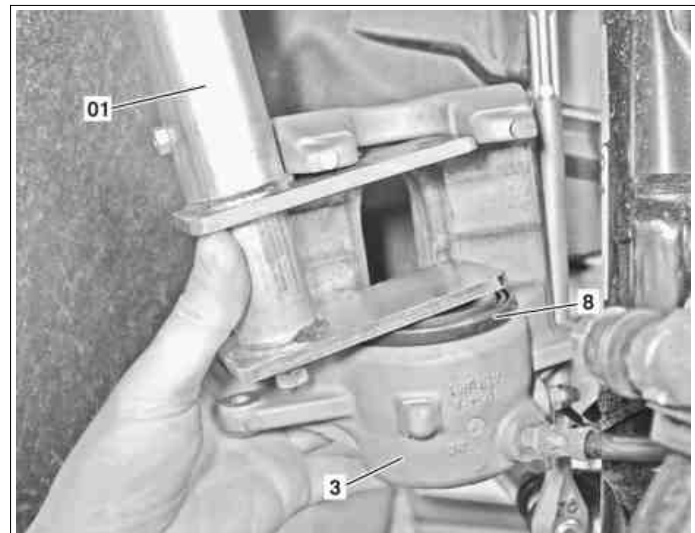


P42.10-2762-09

- 1 Bolts
- 2 Caliper support
- 5 Brake pads
- 6 Spring steel sheets
- 7 Brake disk
- 01 Pusher tool
- 3 Brake caliper
- 8 Dust boot

- 9 Bellows
- 10 Bolts
- 11 Sliding bolt
- 12 Security bolt
- 13 Screw

- S10/2 Right front brake wear sensor
- S10/2x1 Right front brake wear sensor electrical connector




























P42.10-2616-11

Modification notes

29.11.11	Long-life grease repair materials replaced by hot-grease paste	Operation step 20	
----------	--	-------------------	--

	Remove/install		
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 installing brake wear indicator contact sensors		AH42.10-P-0003-01CW
1	Clean area around cap on expansion reservoir for brake fluid		
2	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 pressing back the brake pistons.	AH42.50-P-0001-01A AH42.00-P-0003-01A
3	Remove the front wheels	Model 207 Model 212	AP40.10-P-4050CW AP40.10-P-4050EW
4	Separate brake wear sensor (S10/2) from electrical connector (S10/2x1)	 Brake wear sensor is only fitted on the right side.	
5	Remove bolts (1) from sliding bolts (11)		*BA42.10-P-1004-10J
6	Remove brake caliper (3)	 Do not tension or kink brake hose. To relieve the load on the brake hose, attach the brake caliper (3) to the vehicle so that it is free of tension, otherwise the brake hose will be damaged.  Do not detach brake hose.  Installation: Guide brake wear sensor (S10/2) through the opening in the brake caliper (3).	
7	Take out brake pads (5)	 Installation: Insert brake pads (5) in brake caliper support (2).  Only complete sets of brake pads (5) approved by Mercedes-Benz may be installed.  Installation: Do not coat brake pads (5) and brake calipers (3) with any brake pastes or lubricants!  Brake pads (5) 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.	
8	Remove spring plates (6) from brake caliper support (2)		
	Checking, measuring		
9	Check brake pads (5) and brake disk (7) for condition and measure wear	See: ↓ Check brake lining thickness Inspect condition of brake disks	AP42.10-P-4253A AP42.10-P-4258EW
10	Check brake caliper (3) and dust boot (8) on brake piston for damage	 If damaged, replace brake caliper (3).	
11	Check boots (9) for damage and correct seat as well as sliding bolts (11) for ease of movement	 Replace if damaged.	
12	Press back brake piston using pusher tool (01)	 If brake piston is sluggish, replace brake caliper (3). 	*000589524300
	Clean		
13	Clean contact surfaces of brake pads (5) on brake caliper (3) and brake caliper support (2) using rags	 In the process do not damage the dust boot (8) on the brake piston. Do not use any sharp-edged or pointed objects, otherwise the brake caliper (3) or brake caliper support (2) will be damaged. Cleaner from package	*BR00.45-Z-1028-04A
14	Pull brake wear sensor (S10/2) out of pad backing plate of brake pad (5)	 Brake wear sensor is only fitted on the right side.  Installation: Replace defective brake wear sensor (S10/2).	
	Only carry out steps 15 and 16 when removing/installing the brake caliper (3)		
15	Remove bolt (13) and remove electrical connector (S10/2x1) from the brake caliper (3)	 Only fitted on the right-hand side. 	*BA42.10-P-1002-10J
16	Detach brake hose from brake caliper (3)	When replacing the brake caliper (3).  Seal the connections immediately to avoid damage being caused by brake fluid	AR42.10-P-0013EW

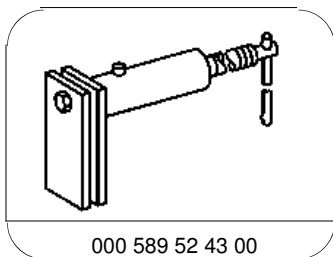
			*129589009100
	Only carry out steps 17 to 20 when removing/installing the brake disk (7)		
17	Remove and remove bolts (10) from the brake caliper support (2)	Nm	*BA42.10-P-1001-10J
18	Remove security bolt (12) on the front wheel hub and remove brake disk (7)	Nm	*BA42.10-P-1002-06H
	Clean		
19	Clean contact surface and interference fit of brake disk (7)		
20	Lightly grease seat of brake disk (7)	Hot lubricating paste	*BR00.45-Z-1005-06A
21	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
22	Operate the brake pedal several times until the brake pads (5) abut the brake disks (7)	Firm resistance should be noticeable at the brake pedal.	
23	Check fluid level in brake fluid reservoir, and correct if necessary.		AP42.10-P-4210EW
24	Carry out brake test on the test stand		AP42.00-P-4290BA

Brake discs, brake cover plate

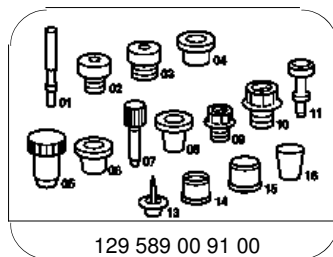
Number	Designation		Model 207	Model 212
BA42.10-P-1002-06H	Locking bolt, brake disk of front axle to wheel hub	Nm	10	10

Front axle brake caliper

Number	Designation		Model 207	Model 212 except model 212.074/077/274/277
BA42.10-P-1001-10J	Self-locking bolt, brake caliper to steering knuckle	M12 Nm	115	115
		M14 Nm	-	-
BA42.10-P-1002-10J	Bolt, brake pad contact sensor to brake caliper	Nm	8	8
BA42.10-P-1004-10J	Guide pin, brake caliper to brake caliper support	M8×28 Nm	34	34
		M8×42 Nm	55	-
		M8×70 Nm	25	25
		M10 Nm	-	-



Pusher tool



Set of stop plugs

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
BR00.45-Z-1005-06A	Paste, hot lubrication 1 kg, DB supply specification 6879.20	A 000 989 76 51