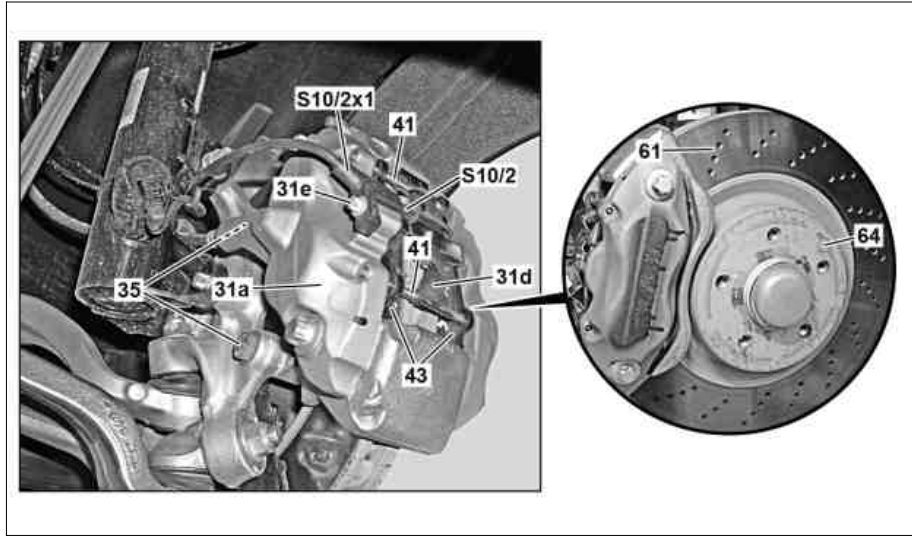


AR42.10-P-0225EWF	Remove/install brake disk, brake caliper and brake pads of the front wheel brake	8.12.11
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**MODEL 207, 212 (except , 212.077 /277)
with fixed-caliper brake**

- 31a Brake caliper
- 31d Retaining spring
- 31e Screw
- 35 Bolts
- 41 Retaining pin
- 43 Brake pads
- 61 Brake disk
- 64 Security bolt

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



P42.10-2763-05

Modification notes

29.11.11	Long-life grease repair materials replaced by hot-grease paste	Operation step 18	
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☒ ☒			
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.
⚠	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.
📄		Notes on repairs to brake system	AH42.00-P-0003-01A
📄		Notes on self-locking nuts and bolts	AH00.00-N-0001-01A
📄		Brake fluid notes	AH42.50-P-0001-01A
i		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	i In order to prevent the expansion reservoir overflowing when pressing back the brake pistons.
3		Remove the front wheels	Model 207 Model 212 AP40.10-P-4050CW AP40.10-P-4050EW
☒			
Checking			
4		Inspect brake pad thickness and brake disk (61)	i Only replace brake pads (43) and brake disks (61) in sets. Inspect condition of brake disks Check brake lining thickness 📄 If the brake pads (43) have worn beyond the wear limit, the web between the sealing groove and dust cap may be damaged: ↓ Inspect brake system for leaks with pressure tester.
5		Separate brake wear sensor (S10/2) from electrical connector (S10/2x1)	i Brake wear sensor is only fitted on the right side.
6		Drive out retaining pins (41) using punch and remove retaining spring (31d)	i Installation: Knock retaining pins (41) all the way in. Ensure that retaining spring (31d) is correctly seated. i Replace retaining pins (41) if necessary.
7		Pull brake pads (43) out of brake caliper (31a)	i Use lever to pry out any seized brake pads (43). 🔧
			*123589133300

		<p> 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.</p> <p> Installation: Do not coat any brake pastes or lubricants on brake pads (43) and brake calipers (31a)</p> <p> Installation: Only the brake pads (43) approved by Mercedes-Benz may be built-in as a set.</p>	
8	Press back brake piston using resetting device	<p> Secure remaining brake pistons to prevent them slipping out.</p> <p></p> <p></p> <p> If the brake pistons are sluggish replace brake caliper (31a).</p>	<p>*000589524300</p> <p>*601589076300</p>
	Checking		
9	Check brake caliper (31a) for leaks and dust boot for damage	Replace dust boot or brake caliper (31a) if necessary.	
	Clean		
10	Clean contact surfaces of brake pads (43) on brake caliper (31a)	<p> Do not use any sharp-edged or pointed tools for cleaning to prevent damage.</p> <p>Cleaner from package</p>	*BR00.45-Z-1028-04A
11	Pull brake wear sensor (S10/2) out of pad backing plate of brake pad (43)	<p> Brake wear sensor is only fitted on the right side.</p> <p> Installation: Replace defective brake wear sensor (S10/2).</p>	
	Only carry out steps 12 to 14 when removing/installing the brake caliper (31a)		
12	Detach brake hose from brake caliper (31a)	<p>When replacing the brake caliper (31a).</p> <p> Seal the connections immediately to avoid damage being caused by brake fluid running out.</p> <p></p>	<p>AR42.10-P-0013EW</p> <p>*129589009100</p>
13	Remove bolt (31e) for electrical connector (S10/2x1)	Only fitted on the right-hand side.	*BA42.10-P-1002-10J
14	Remove bolts (35) from steering knuckle and remove brake caliper (31a)	<p> Installation: Replace screw/bolts (35).</p> <p></p>	*BA42.10-P-1001-10J
	Only carry out steps 15 to 18 when removing/installing the brake disks (61)		
15	Remove bolts (35) from steering knuckle and remove brake caliper (31a)	<p> Do not detach the brake hose, but fasten the brake caliper (31a) to the vehicle free of tension. Do not kink or tension brake hose, as otherwise it will be damaged.</p> <p> Installation: Replace screw/bolts (35).</p>	
16	Remove locking bolt (64) and remove brake disk (61)	<p> Installation: Replace securing bolt (64).</p> <p></p>	*BA42.10-P-1002-06H
	Clean		
17	Clean contact surface and interference fit of brake disk (61)		
18	Lightly grease seat of brake disk (61)	Hot lubricating paste	*BR00.45-Z-1005-06A
19	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
20	Operate the brake pedal several times until the brake pads (43) abut the brake disks (61)	Firm resistance should be noticeable at the brake pedal.	
	Checking		
21	Check fluid level in brake fluid reservoir, and correct if necessary.		AP42.10-P-4210EW
22	Carry out brake test on the test stand		AP42.00-P-4290BA

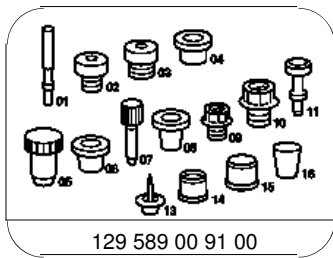
Brake discs, brake cover plate

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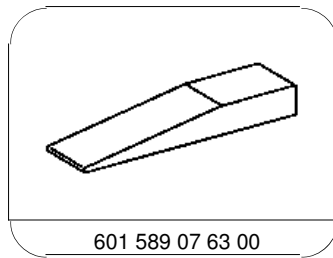
Nm Front axle brake caliper

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



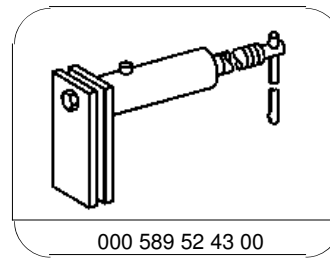
129 589 00 91 00

Set of stop plugs



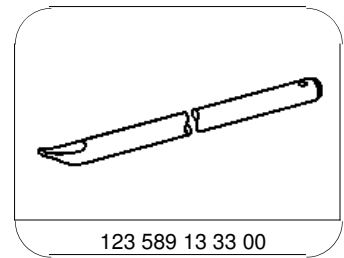
601 589 07 63 00

Wedge



000 589 52 43 00

Pusher tool



123 589 13 33 00

Lever

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