

Model 166 (except 166.074/874), 292 (except 292.374/375)



P42.10-2886-08

Shown on model 166.057

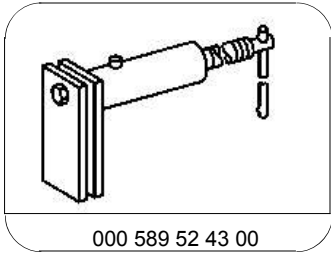
1	Supply line	4	Brake hose	7	Brake linings
2	Brake caliper	5	Spring steel sheet	8	Caliper support
3	Bracket	6	Dust cap	S10/2	Right front brake wear sensor

Caution	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
Warning	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
	Notes on self-locking nuts and bolts		AH00.00-N-0001-01A
	Notes on repairs to brake system		AH42.00-P-0003-01A
	Brake fluid notes		AH42.50-P-0001-01A
	Remove/install		
1	Open engine hood and raise to vertical position	Model 166 (except 166.074/874)	AR88.40-P-1000GQ
2	Remove cover over left suspension strut tower		
3	Clean the area around the cap of the brake fluid reservoir		
4	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.	
5 	Remove front wheel-and-tire assemblies	Model 166 (except 166.074/874) Model 292 (except 292.374/375)	AP40.10-P-4050EW AR40.10-P-1100GQC
6	Detach front right brake wear sensor (S10/2) from feed line (1)		
7	Unclip feed line (1) of front right brake wear sensor (S10/2) from bracket (3)		
8	Detach brake hose (4) on bracket (3) Notes on installing brake hoses		AH42.10-P-9406-01GZ
9	Detach spring plate (5)		
10	Remove dust caps (6)		
11	Remove guide pins	Guide pin to brake caliper support	*BA42.10-P-1002-10L
12	Remove brake caliper (2) with brake pads (7)		
13	Apply padding to brake caliper (2) and attach to vehicle free of tension.	Do not tension or kink brake hose (4) and feed line (1).	
14	Take brake pads (7) out of brake caliper (2)	Installation: Only sets of brakepads (7) approved by Mercedes-Benz may be installed.	

	Check		
15 AP AP	Check brake linings (7) for wear and condition	Model 166 (except 166.074/874) Model 292 (except 292.374/375) If a problem arises ↓ Replace brakepads (7)	AP42.10-P-4253A AP42.10-P-4252B AR42.20-P-0530GZ
16 AP	Check condition of brake disks and inspect for signs of wear	Model 166 (except 166.074/874) Model 292 (except 292.374/375) If a problem arises ↓ Replace brake disks	AP42.10-P-4258GQ AR42.10-P-0120A AR42.10-P-0220GZ
17	Pull front right brake wear sensor (S10/2) out of pad backing plate Notes on installing brake wear indicator contact sensors		AH42.10-P-0003-01CW
18	Check front right brake wear sensor (S10/2) for damage		
19	Check guide pin for sluggishness and damage		
20	Check boots for damage and loose seating		
21	Check brake caliper (2)	If brake caliper (2) leaky or dust boot damaged ↓ Replace brake caliper (2)	AR42.10-P-0070GZ
22	Press back brake piston using resetting device	Resetting device If brake piston is sluggish ↓ Replace brake caliper (2)	*000589524300 AR42.10-P-0070GZ
23	Check folds of the dust boots of the brake piston	If the dust boot projects beyond the brake piston, position the dust boot correctly.	
	Clean		
24	Clean contact surfaces of brake linings (7) on brake caliper (2) and brake caliper support (8)	Installation: Do not damage the dust boots and boots of the guide pins. Do not use sharp-edged or pointy tools. Otherwise, the brake caliper (2) or the brake caliper support (8) can be damaged.	
25	Apply brake pad paste	Model 166 (except 166.074/874) MB Plastilube brake paste (brownish)	AR42.10-P-0161-01B *BR00.45-Z-1084-06A
26	Install in the reverse order		
27	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. Operate the brake pedal several times until the brake pads (7) contact the brake disks	Before starting the engine, actuate brake pedal several times until pressure is built up and maintained in the brake system. Firm resistance should be noticeable at the brake pedal.	AS42.50-Z-0002-01A
	Check		
28 AP	Check fluid level in the brake fluid reservoir, correct if necessary		AP42.10-P-4210GZ
29 AP	Carry out brake test on the test stand		AP42.00-P-4290BA

Front axle brake caliper

Number	Designation		Model 166	Model 292
BA42.10-P-1002-10L	Guide pin to brake caliper support	Nm	55	55



000 589 52 43 00

Resetting device

Repair materials

Number	Designation	Order number
BR00.45-Z-1084-06A	MB Plastilube brake paste (brownish)	A 002 989 37 51