

Model 204.077/277/377

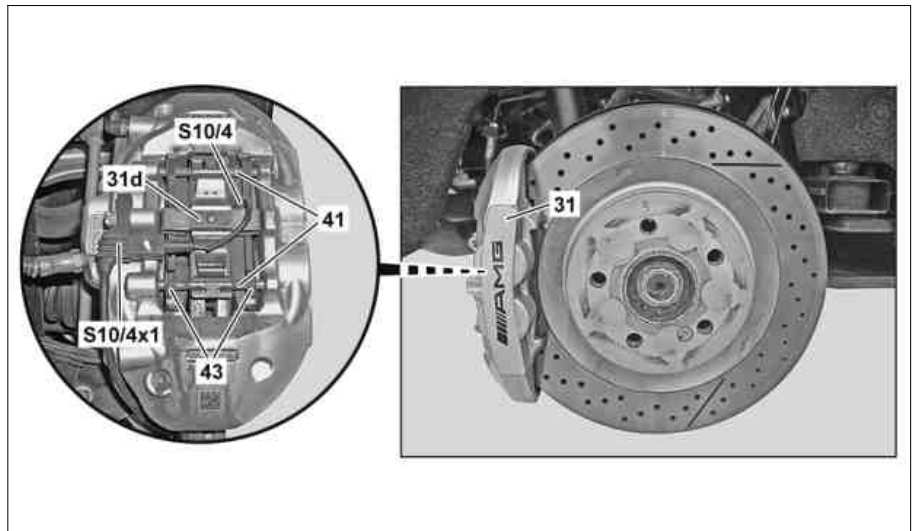
Model 212.074/075/076/077/092/274/275/276/277/292

Model 218.374/375/376/392/974/975/976/992

### Modification notes

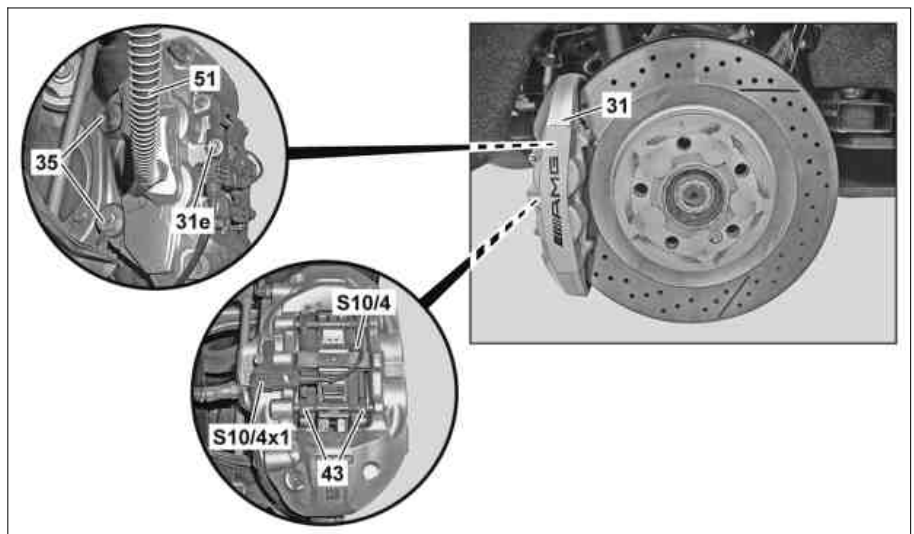
15.07.2016	References for assessment of brake linings changed.	Operation step 4
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31 Brake caliper  
 31d Retaining spring  
 41 Retaining pins  
 43 Brake linings  
 S10/4 Right rear brake wear sensor  
 S10/4x1 Right rear brake wear sensor electrical connector



P42.10-2717-05

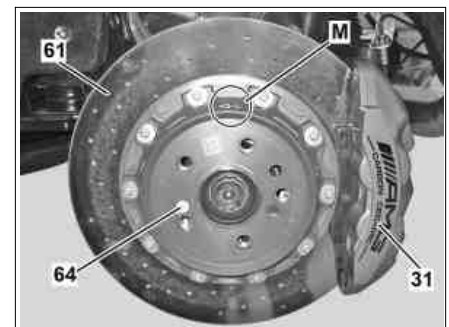
31 Brake caliper  
 31e Screw  
 35 Bolts  
 43 Brake linings  
 51 Brake hose  
 S10/4 Right rear brake wear sensor  
 S10/4x1 Right rear brake wear sensor electrical connector































P42.10-2716-05

### Shown on rear wheel brake with code B07 (Ceramic brake system)

31 Brake caliper  
 61 Brake disk  
 64 Safety screw  
 M Marking on installation side



P42.10-2857-01

 <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
 <b>Danger!</b>	<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
	Notes on handling, transport and storage of ceramic brake disks		AH42.10-P-9406-13A
	Brake fluid notes		AH42.50-P-0001-01A
	Notes on repairs to brake system		AH42.00-P-0003-01A
	Notes on self-locking nuts and bolts		AH00.00-N-0001-01A
	<b>Remove/install</b>		
1	Unscrew the cap on the brake fluid expansion reservoir and suction off some brake fluid	 In order to prevent the expansion reservoir overflowing when pressing back the brake pistons.	
2  	Remove rear wheels	Model 204.077/277/377 Model 212.074/075/076/077/092/274/275/276/277/292 Model 218.374/375/376/392/974/975/976/992	AP40.10-P-4050CW AP40.10-P-4050EW
	<b>Check</b>		
3    	Check condition of brake disks (61)	Model 204.077/277/377 Model 212.074/075/076/077/092/274/275/276/277/292 except code B07 (Ceramic brake system) Model 218.374/375/376/392/974/975/976/992 except code B07 (Ceramic brake system) Model 212.074/075/076/077/274/275/276/277 with code B07 (Ceramic brake system) Model 218.374/375/376/974/975/976 with code B07 (Ceramic brake system)  Replace the brake disks (61) as a complete set only.	AP42.10-P-4258CW AP42.10-P-4258EW  AP42.10-P-4258QQ
4    	Check condition of brake linings (43)	Model 204.077/277/377 Model 212.074/075/076/077/092/274/275/276/277/292 Model 218.374/375/376/392/974/975/976/992  Make sure that the brake linings (43) are not worn beyond the wear limit. Otherwise the bar between the sealing groove and the dust cap may be damaged.  Replace brake linings (43) as a complete set only.	AP42.10-P-4252CW AP42.10-P-4252EW  AP42.10-P-4252EL
	<b>Only perform operation steps 5 to 11 when removing/installing the brake linings (43)</b>		
5 	Disconnect electrical connector of right rear brake wear sensor (S10/4x1) Notes on installing brake wear indicator contact sensors	 Only fitted on the right-hand side.	AH42.10-P-0003-01CW
6	Drive out retaining pins (41) using punch and remove retaining spring (31d)	 <b>Installation:</b> Hammer in retaining pins (41) as far as the end stop. Ensure that retaining spring (31d) is correctly seated.	
7	Pull brake linings (43) out of brake caliper (31)	 <b>Installation:</b> Do not apply brake paste or lubricants to the brake linings (43) and brake calipers (31).  <b>Installation:</b> Only complete sets of brake linings (43) approved by Mercedes-Benz may be installed.	
8	Press back brake pistons using resetting device	 Secure remaining brake pistons against slipping out.  Resetting device  Wedge With sluggish brake pistons ↓ Replace brake caliper (31)	*000589524300 *601589076300

☐	Check		
9	Check brake caliper (31) and dust boot for damage	If there are problems  ↓ Replace dust boot or brake caliper (31)	
	<b>Cleaning</b>		
10	Clean contact surfaces of brake linings (43) on brake caliper (31)	ⓘ Do not use sharp-edged or pointed tools to clean. Otherwise damage may occur. Assembly cleaner	*BR00.45-Z-1028-04A
11	Pull right rear brake wear sensor (S10/4) out of pad backing plate of brake lining (43)	ⓘ <b>Installation:</b> Replace defective right rear brake lining wear sensor (S10/4). ⓘ Only fitted on the right-hand side.	
	<b>Only perform operation steps 12 to 14 when removing/installing the brake caliper (31)</b>		
12	Detach brake hose (51) from brake caliper (31)	Model 204.077/277/377  Model 212.074/075/076/077/092/274/275/276/277/292 Model 218.374/375/376/392/974/975/976/992	AR42.10-P-0013CW  AR42.10-P-0013EW
13	Remove bolt (31e) for electrical connection for rear right brake wear sensor (S10/4x1)	ⓘ <b>Installation:</b> Replace bolt (31e).  ⓘ Only fitted on the right-hand side. Nm Screw/bolt, brake wear sensor to brake caliper	*BA42.10-P-1003-12J
14	Unscrew bolts (35) and remove brake caliper (31)	ⓘ <b>Installation:</b> Install new bolts (35).  Nm Screw/bolt, brake caliper to hub/rotor assembly	*BA42.10-P-1001-12J
	<b>Only carry out operation steps 15 to 21 when removing/installing the brake disks (61)</b>		
15	Release parking brake		
16	Turn back brake adjuster for parking brake	Model 204.077/277/377 Model 212.074/075/076/077/092/274/275/276/277/292 Model 218.374/375/376/392/974/975/976/992 ⓘ <b>Installation:</b> Adjust parking brake.	AR42.20-P-0540CW AR42.20-P-0540EW
17	Unscrew bolts (35) and remove brake caliper (31)	ⓘ Do not detach brake hose (51), instead attach brake caliper (31) to vehicle so that it is free of tension. Do not kink the brake hose (51) or subject it to tensile loads. Otherwise the brake hose (51) and/or the paint on the brake caliper (31) will be damaged. ⓘ <b>Installation:</b> Install new bolts (35).	
18	Remove locking bolts (64) and detach brake disks (61)	ⓘ <b>Installation:</b> Install new locking bolts (64).  ⓘ <b>Installation:</b> Observe marking on the installation side (M). Nm Safety screw, rear axle brake disk to wheel flange	*BA42.10-P-1001-06H
☑	<b>Clean</b>		
19	Clean contact surfaces and snug fits of brake disks (61)		
20	Grease snug fits of brake disks (61) lightly	Paste, hot lubrication 1 kg, DBL 6879.20	*BR00.45-Z-1005-06A
☐	<b>Check</b>		
21	Check condition of brake shoes of parking brake	If there are problems  ↓ Replace parking brake brake shoes Model 204.077/277/377 Model 212.074/075/076/077/092/274/275/276/277/292 Model 218.374/375/376/392/974/975/976/992	AR42.20-P-0530CW AR42.20-P-0530EW
22	Install in the reverse order		
23	Bleed brake system	Model 204.077/277/377	AR42.10-P-0010CW

		Model 212.074/075/076/077/092/274/275/276/277/29 2 Model 218.374/375/376/392/974/975/976/992	AR42.10-P-0010EW
24	Check brake system for leaks		AR42.10-P-0100-01V
<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 the engine, actuate brake pedal several times until pressure is built up and maintained in the brake system.	AS42.50-Z-0002-01A
25	Depress brake pedal several times until brake linings (43) lie against brake disks (61)	<b>i</b> Firm resistance should be noticeable at the brake pedal.	
<b>🔍</b>	<b>Check</b>		
26	Check fluid level in expansion reservoir for brake fluid and correct		AP42.10-P-4210EW
<b>🔧 AP</b>			
27	Carry out brake test on the test stand		AP42.00-P-4290BA
<b>🔧 AP</b>			

**Nm** Brake disks, brake cover plate

Number	Designation		Model 204	Model 212
BA42.10-P-1001-06H	Safety screw, rear axle brake disk to wheel flange	Nm	10	10

**Nm** Brake disks, brake cover plate

Number	Designation		Model 218
BA42.10-P-1001-06H	Safety screw, rear axle brake disk to wheel flange	Nm	10

**Nm** Rear axle brake caliper

Number	Designation		Model 204	Model 212
BA42.10-P-1001-12J	Screw/bolt, brake caliper to hub/rotor assembly	Nm	115	135

**Nm** Rear axle brake caliper

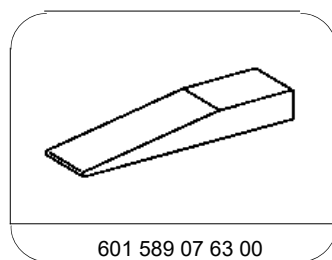
Number	Designation		Model 218
BA42.10-P-1001-12J	Screw/bolt, brake caliper to hub/rotor assembly	Nm	135

**Nm** Rear axle brake caliper

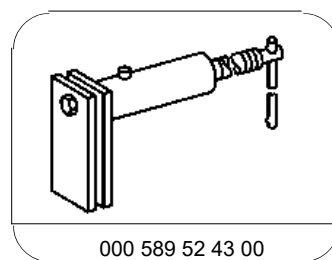
Number	Designation		Model 204	Model 212
BA42.10-P-1003-12J	Screw/bolt, brake wear sensor to brake caliper	Nm	8	8

**Nm** Rear axle brake caliper

Number	Designation		Model 218
BA42.10-P-1003-12J	Screw/bolt, brake wear sensor to brake caliper	Nm	8



Wedge



Resetting device

**Repair materials**

<b>Number</b>	<b>Designation</b>	<b>Order number</b>
BR00.45-Z-1005-06A	Paste, hot lubrication 1 kg, DBL 6879.20	A 000 989 76 51
BR00.45-Z-1028-04A	Assembly cleaner	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