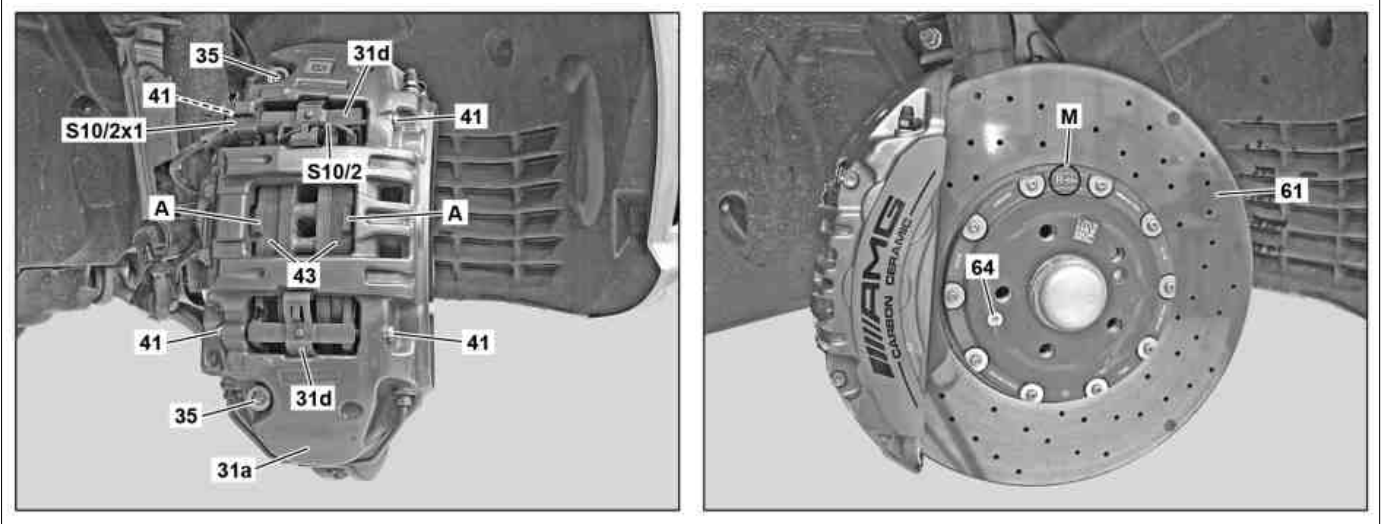


Model 197
with code B07 (Ceramic brake system)

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)



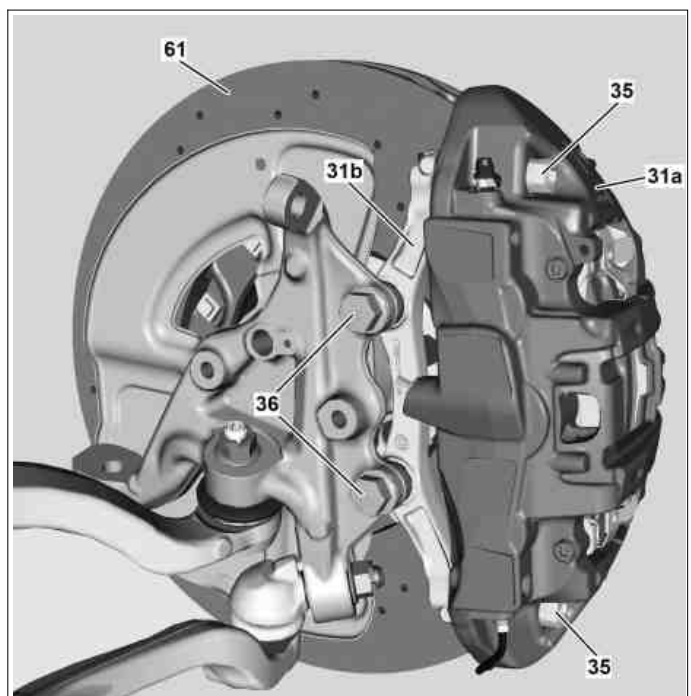
P42.10-2808-08

Illustrated on model 197

























31a	Brake caliper	43	Brake pads	M	Marking on installation side
31d	Retaining spring	61	Brake disk	S10/2	Right front brake wear sensor
35	Screw	64	Safety screw	S10/2x1	Right front brake wear sensor electrical connector
41	Stud	A	Elevation		

























Shown on model 212 with code (B07) Ceramic brake system





31a	Brake caliper
31b	Caliper support
35	Screw
36	Bolts
61	Brake disk




P42.10-2858-12


 Danger!	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
 Danger!	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 repairs to brake system		AH42.00-P-0003-01A
	Notes on handling, transport and storage of ceramic brake disks		AH42.10-P-9406-13A
	Notes on self-locking nuts and bolts		AH00.00-N-0001-01A
	Brake fluid notes		AH42.50-P-0001-01A
	Remove/install		
1	Remove engine compartment cover above brake booster	Vehicles with CODE (B14) AMG Carbon engine compartment cover	
2	Unscrew cap of brake fluid reservoir and extract some brake fluid	 In order to prevent the expansion reservoir overflowing when pressing back the brake pistons.	
3	Remove the front wheels	model 197 MODEL 212, 218	AR40.10-P-1100RQ AP40.10-P-4050EW
	Check		
4	Check condition of brake disks (61)		AP42.10-P-4258QQ
		 Replace brake disks (61) as a set only.	
5	Check brake lining thickness	MODEL 197, 212, 218 MODEL 197.3/4, 212, 218  Check whether the brake pads (43) are worn beyond the wear limit. If this point is ignored, the web between the sealing groove and dust cap can be damaged.  Replace brake pads (43) as a set only. ↓ Check brake system for leaks using pressure tester: model 197 MODEL 212, 218	AP42.10-P-4253A AR42.10-P-0015RQ AR42.10-P-0015EW
6	Disconnect electrical connector of right front brake wear sensor (S10/2x1) Notes on installing brake wear indicator contact sensors		AH42.10-P-0003-01RQ
		 On the right brake caliper (31a).	
7	Detach electrical connector of right front brake wear sensor (S10/2x1) from brake caliper (31a)	 Installation: Replace screw/bolt.  On the right brake caliper (31a).  model 197 Bolt, brake wear indicator to brake caliper  MODEL 212, 218 Bolt, brake wear sensor to brake caliper	*BA42.10-P-1002-10T *BA42.10-P-1002-10J
8	Press back brake piston using resetting device	  Attach pusher tool to the elevations (A) of the brake pads (43). Secure remaining brake pistons to prevent them slipping out.  If the brake pistons are sluggish replace brake caliper (31a).  Resetting device  Wedge	*000589524300 *601589076300
9.1	Remove bolts (35) and remove brake caliper (31a)	model 197  Installation: Replace bolts (35).  Bolt, fixed brake caliper to wheel carrier	*BA42.10-P-1001-10T
9.2	Unscrew bolts (36) and remove brake caliper (31a) with brake caliper support (31b)	MODEL 212, 218	

		<p> The brake caliper (31a) and brake caliper support (31b) must always be removed together as a complete unit and should not be separated.</p> <p>It will otherwise no longer be possible to guarantee optimum alignment of the brake caliper (31a) to the brake disk (61). This can then result in greater wear and an incorrect contact pattern.</p> <p> Installation: Replace the bolts (36).</p> <p> The bolts (35) securing the brake caliper (31a) to the brake caliper support (31b) must not be loosened.</p> <p> Self-locking bolt, brake caliper support to steering knuckle</p>	*BA42.10-P-1008-10J
10	Secure brake caliper (31a) to vehicle free of tension	<p> Do not kink the brake hose or subject it to tensile loads. Otherwise damage will occur.</p> <p> Do not damage paint of brake caliper (31a)</p>	
11	Remove brake pads (43) from brake caliper (31a)	<p> Do no loosen or remove screw bolts (41) Press the brake pads (43) off the screw bolts (41) against the force of the retaining springs (31d).</p> <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 apply brake pastes or lubricants to the brake pads (43) and brake calipers (31a).</p> <p> Installation: Only complete sets of brake pads (43) approved by Mercedes-Benz may be installed.</p>	
	Check		
12	Check brake calipers (31a) for leaks and dust boots for damage	 Install new brake calipers (31a) if necessary.	
13	Check retaining springs (31d) for deformation and correct seat	 If necessary, replace retaining springs (31d).	
	Clean		
14	Clean contact surfaces of brake pads (43) on brake caliper (31a)	<p> Do not use sharp-edged or pointed tools to clean. Otherwise damage may occur.</p> <p>Assembly cleaner</p>	*BR00.45-Z-1028-04A
15	If necessary, clean the perforation in the brake disks (61)	model 197	AR42.10-P-2260-01RQ
16	Pull right front brake wear sensor (S10/2) out of pad backing plate of brake pad (43)	<p> On the right brake caliper (31a).</p> <p> Installation: Replace the defective right front brake wear sensor (S10/2).</p>	
17	Detach brake hose from brake caliper (31a)	<p>When replacing the brake caliper (31a). model 197 MODEL 212, 218</p> <p> Seal connections immediately. Otherwise damage can be caused by escaping brake fluid.</p> <p> Record plug</p>	AR42.10-P-0013RQ AR42.10-P-0013EW *129589009100
18	Remove locking bolt (64) and remove brake disk (61)	<p>When removing the brake disk (61).</p> <p> Installation: Observe the marking on the installation side (M).</p> <p> Installation: Replace locking bolt (64).</p> <p> model 197 Locking bolt of front axle brake disk</p> <p> MODEL 212, 218 Locking bolt, brake disk of front axle to wheel hub</p>	*BA42.10-P-1002-06A *BA42.10-P-1002-06H
	Clean		
19	Clean contact surface and interference fit of brake disk (61)		


20	Lightly grease seat of brake disk (61)	Paste, hot lubrication 1 kg, DBL 6879.20	*BR00.45-Z-1005-06A
21	Install in the reverse order		
22	Bleed brake system	After removing/installing the brake caliper (31a). model 197 MODEL 212, 218	AR42.10-P-0010RQ AR42.10-P-0010EW
23	Check brake system for leaks	After removing/installing the brake caliper (31a). model 197 MODEL 212, 218	AR42.10-P-0100-01RQ AR42.10-P-0100-01V
 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. Operate the brake pedal several times until the brake pads (43) abut the brake disks (61)	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
24			
	Check		
25	Check fluid level in brake fluid reservoir; correct if necessary	MODEL 197, 212, 218 MODEL 197.3/4 MODEL 212, 218	AP42.10-P-4210RQ AP42.10-P-4210EW
 Danger !	Risk of death caused by limbs being caught or crushed by rotating parts when performing tests on the brake test stand	Never leave the vehicle unattended on the rollers except in an emergency. Ensure that no one is under the vehicle or near rotating parts during testing. In case of emergency, use the EMERGENCY OFF switch to shut down test stand.	AS42.00-Z-0001-01A
26	Carry out brake test on the test stand		AP42.00-P-4290BA
27	Install engine compartment cover above brake booster	MODEL 197, 212, 218 with CODE B14 (AMG Carbon engine compartment cover)	

 Front axle brake caliper


Number	Designation		MODEL 197 with CODE B07
BA42.10-P-1001-10T	Bolt, fixed brake caliper to wheel carrier	Nm	120

 Brake disks, brake cover plate


Number	Designation		Model 197
BA42.10-P-1002-06A	Locking bolt of front axle brake disk	Nm	10

 Brake disks, brake cover plate


Number	Designation		Model 212	Model 218
BA42.10-P-1002-06H	Locking bolt, brake disk of front axle to wheel hub	Nm	10	10

 Front axle brake caliper

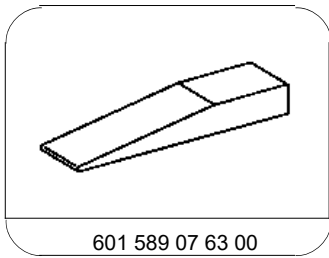
Number	Designation		MODEL 212.074/075/076/077 /274/275/276/277 with CODE B07	MODEL 218.374/375/376/97 4/975/976 with CODE B07
BA42.10-P-1002-10J	Bolt, brake wear sensor to brake caliper	Nm	8	8

 Front axle brake caliper

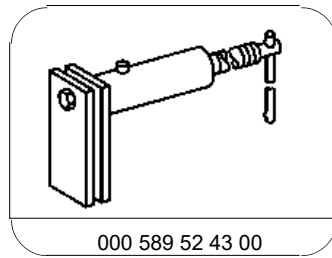
Number	Designation		MODEL 197 with CODE B07
BA42.10-P-1002-10T	Bolt, brake wear indicator to brake caliper	Nm	8

 Front axle brake caliper

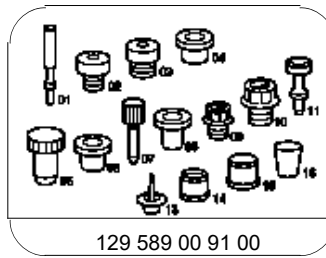
Number	Designation			MODEL 212.074/075/076/077 /274/275/276/277 with CODE B07	MODEL 218.374/375/376/97 4/975/976 with CODE B07
BA42.10-P-1008-10J	Self-locking bolt, brake caliper support to steering knuckle	M14	Nm	180	180



Wedge



Resetting device



Record plug

Repair materials

Number	Designation	Order number
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