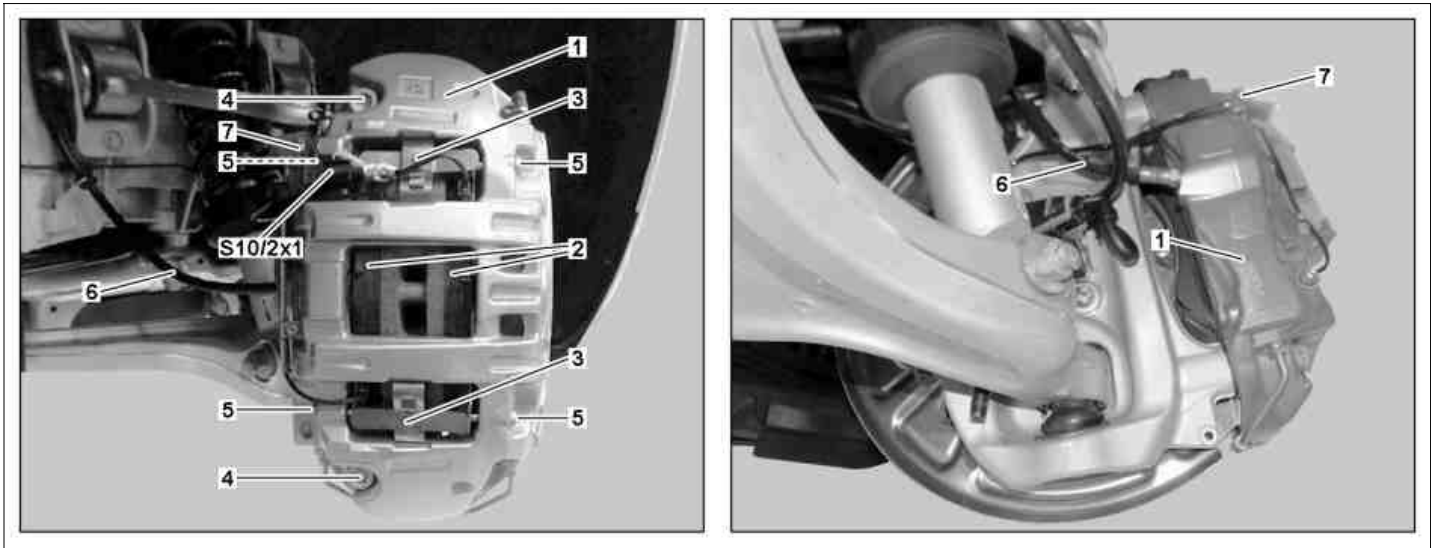


MODEL 190
with CODE B07 (Ceramic brake system)



P42.10-3064-08

1	Brake caliper	5	Stud
2	Brake pad	6	Brake hose
3	Retaining springs	7	Bolt
4	Bolts	S10/2x1	Right front brake wear sensor electrical connector

	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 the engine, actuate brake pedal several times until pressure is built up and maintained in the brake system.	AS42.50-Z-0002-01A
	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
	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 working in engine compartment		AH60.00-P-0042-01RG
ⓘ	Notes on installing brake wear indicator contact sensors		AH42.10-P-0003-01RG
ⓘ	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 self-locking nuts and bolts		AH00.00-N-0001-01A
ⓘ	Remove/install		
1	Open engine hood		AR88.40-P-1000RG
2	Unscrew cap of brake fluid reservoir and extract some brake fluid	i This prevents the brake fluid reservoir overflowing when the brake piston is pushed back.	
3	Remove front wheel-and-tire assemblies		AR40.10-P-1100RQ
4	Remove bolt (7), detach brake wear sensor electrical connection (S10/2x1) and remove from brake caliper (1)	When removing the brake caliper (1) on the right side of the vehicle.	
		Nm Bolt, brake wear indicator to brake caliper	*BA42.10-P-1002-10T
5	Press back brake piston using resetting device	S Resetting device	*000589524300

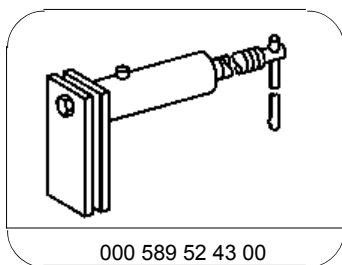
		If brake pistons are sluggish: ↓ Replace brake caliper (1).	
6	Remove brake hose (6) from brake caliper (1)		AR42.10-P-0013RG
7	Remove bolts (4) and remove brake caliper (1)	i Replace bolts (4). Nm Bolt, fixed brake caliper to wheel carrier	*BA42.10-P-1001-10T
8	Remove brake pads (2) from brake caliper (1)	i Do not unfasten or remove bolts (5). Press the brake linings (2) off the screw bolt (5) against the force of the retaining springs (3).	
	Check		
9	Check brake caliper (1) and dust boots of brake piston for leaktightness and damage	If leaking or damaged: ↓ Replace brake caliper (1).	
10	Check retaining springs (3) for deformation and correct seating	i If necessary, replace retaining springs (3).	
11	Check condition of brake linings (2) and measure degree of wear	If necessary, replace brake linings.	AP42.10-P-4252A
	Clean		
12	Clean contact surfaces of brake linings (2) on brake caliper (1)	! Do not use sharp-edged or pointed objects. The dust boots can otherwise be damaged.	
13	Install in the reverse order		
	Check		
15	Bleed brake system		AR42.10-P-0010RG
16	Check brake system for leaks		AR42.10-P-0100-01V
17	Brake test		AP42.00-P-4290BA

Nm Front axle brake caliper

Number	Designation		MODEL 190 with CODE B07
BA42.10-P-1001-10T	Bolt, fixed brake caliper to wheel carrier	Nm	120

Nm Front axle brake caliper

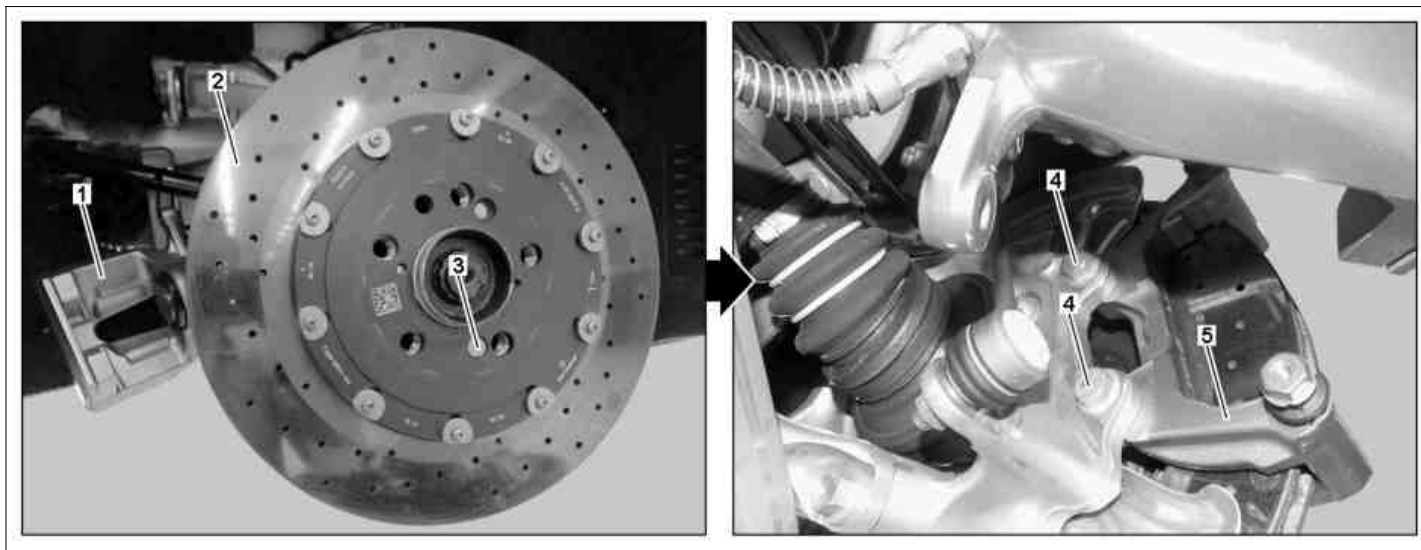
Number	Designation		MODEL 190 with CODE B07
BA42.10-P-1002-10T	Bolt, brake wear indicator to brake caliper	Nm	8



000 589 52 43 00

Resetting device

MODEL 190



P42.10-3077-08

- 1 Brake caliper
2 Brake disk
3 Bolt

- 4 Bolts
5 Caliper support

	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 handling, transport and storage of composite brake disks		AH42.10-P-9406-12LF
ⓘ	Notes on handling, transport and storage of ceramic brake disks		AH42.10-P-9406-13A
↔ ↔	Remove/install		
1	Detach brake caliper (1) with connected brake hose from rear axle	MODEL 190 without CODE B07 (Ceramic brake system) MODEL 190 with CODE B07 (Ceramic brake system) ⓘ Fasten brake caliper (1) with attached brake hose free of tension onto the vehicle. Otherwise the brake hose will be damaged.	AR42.10-P-0080RG AR42.10-P-0080RGA
2	Unscrew bolts (4) and remove brake caliper support (5)	Nm Bolt, fixed brake caliper to wheel carrier	*BA42.10-P-1001-12T
3	Unscrew safety screw (3) and remove brake disk (2)	i Installation: Replace brake disks (2) in pairs only. Nm Locking bolt of rear axle brake disk	*BA42.10-P-1001-06A
🧼	Clean		
4	Clean contact surface and interference fit of brake disk (2)		
5	Apply light coating of grease to interference fit of brake disk (2)	Paste, hot lubrication 1 kg, DBL 6879.20	*BR00.45-Z-1005-06A
	Checking, measuring		
6	Check condition of brake disk (2) and gauge degree of wear	If necessary, replace brake disk.	

AP		MODEL 190 without CODE B07 (Ceramic brake system)	AP42.10-P-4258A
AP		MODEL 190 with CODE B07 (Ceramic brake system)	AP42.10-P-4258AC
7	Install in the reverse order		

Nm Brake disks, brake cover plate

Number	Designation		MODEL 190
BA42.10-P-1001-06A	Locking bolt of rear axle brake disk	Nm	10

Nm Rear axle brake caliper

Number	Designation		MODEL 190
BA42.10-P-1001-12T	Bolt, fixed brake caliper to wheel carrier	Nm	110

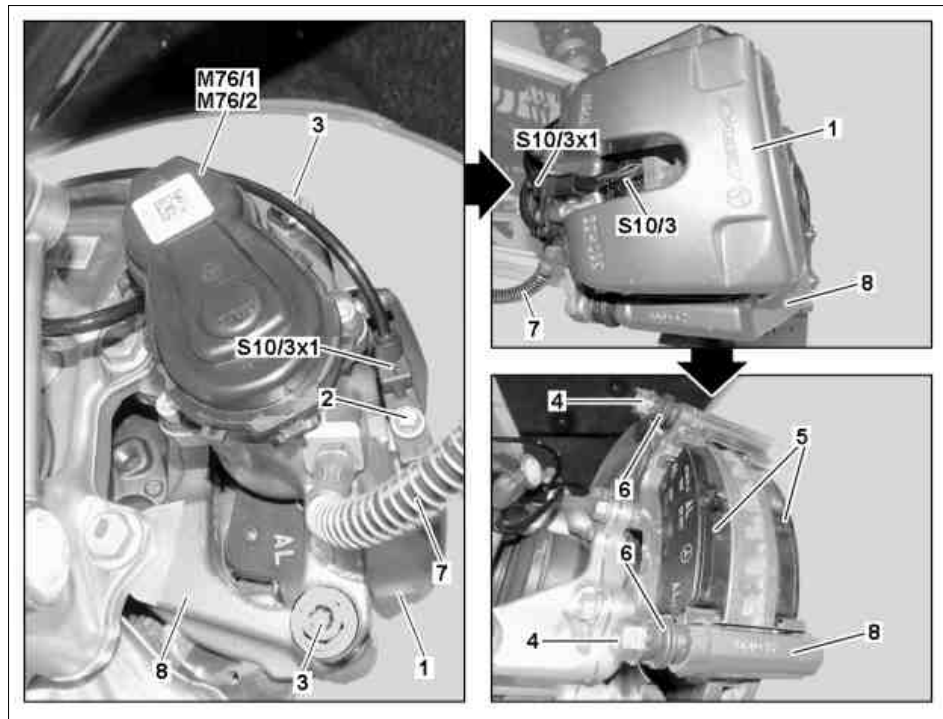
Repair materials

Number	Designation	Order number
BR00.45-Z-1005-06A	Paste, hot lubrication 1 kg, DBL 6879.20	A 000 989 76 51

Model 190
with code B07 (Ceramic brake system)

Shown on left side of vehicle

- 1 Brake caliper
 2 Screw
 3 Bolts
 4 Guide pin
 5 Brake linings
 6 Bellows
 7 Brake hose
 8 Caliper support
 M76/1 Left electric parking brake actuator motor
 M76/2 Right electric parking brake actuator motor
 S10/3 Left rear brake wear sensor
 S10/3x1 Left rear brake wear sensor electrical connector



P42.10-3078-06

	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 the engine, actuate brake pedal several times until pressure is built up and maintained in the brake system.	AS42.50-Z-0002-01A
	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
	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 handling, transport and storage of ceramic brake disks		AH42.10-P-9406-13A
ⓘ	Brake fluid notes		AH42.50-P-0001-01A
ⓘ	Notes on self-locking nuts and bolts		AH00.00-N-0001-01A
ⓘ	Notes on working in engine compartment		AH60.00-P-0042-01RG
⊠ ⊠	Remove/install		
1	Open engine hood		AR88.40-P-1000RG
2	Unscrew cap of brake fluid reservoir and extract some brake fluid	i This prevents the brake fluid reservoir overflowing when the brake piston is pushed back.	
3	Detach rear complete wheels		AR40.10-P-1100RQ
4	Disconnect electrical connection for left rear brake wear sensor (S10/3x1) from left rear brake wear sensor (S10/3)	When removing brake linings (5) on left side of vehicle.	
5	Unscrew screw/bolt (2) and remove electrical connection for left rear brake wear sensor (S10/3x1) from brake caliper (1)	i Only necessary on left side of vehicle.	
6	Remove left electric parking brake actuator motor (M76/1) or right electric parking brake actuator motor (M76/2)	Nm Bolt, brake wear indicator to brake caliper	*BA42.10-P-1002-12T AR42.20-P-0600RG

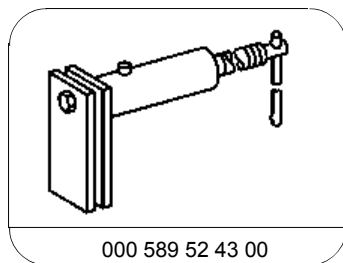
7	Remove bolts (3) from lower and upper guide pin (4)	i Counterhold lower and upper guide pin (4) while doing so. Nm Guide pin to brake caliper support	*BA42.10-P-1004-12T
8	Remove brake caliper (1)		
9	Press back brake piston using resetting device	9 Resetting device	*000589524300
10	Remove brake hose (7) from brake caliper (1)		AR42.10-P-0013RG
Checking, measuring			
11	Check condition of brake linings (5) and measure degree of wear	If necessary, replace brake linings (5).	AP42.10-P-4252A
AP			
12	Check condition of brake disk and gauge degree of wear	If necessary, replace brake disk. Model 190 with code B07 (Ceramic brake system)	AP42.10-P-4258AC
AP			
13	Check boots (6) and guide pins (4) for damage and ease of movement	If damage is present: ↓ Replace brake caliper support (8).	
7A	Clean		
14	Clean contact surfaces of brake linings (5) on brake caliper (1) and on brake caliper support (8)	! Do not use sharp-edged or pointed objects. Otherwise, the dust boots may be damaged.	
15	Install in the reverse order		
1	Check		
16	Bleed brake system		AR42.10-P-0010RG
17	Check brake system for leaks		AR42.10-P-0100-01V
18	Carry out brake test on the test stand		AP42.00-P-4290BA
AP			

Nm Rear axle brake caliper

Number	Designation		Model 190
BA42.10-P-1002-12T	Bolt, brake wear indicator to brake caliper	Nm	8

Nm Rear axle brake caliper

Number	Designation		Model 190
BA42.10-P-1004-12T	Guide pin to brake caliper support	Nm	35



Resetting device