MODEL 216 with ENGINE 156, 273

MODEL 221 with ENGINE 156, 272, 273, 642

MODEL 221 with ENGINE 275 with CODE (494) USA version

with CODE (498) Japan version

with CODE (625) Australia version

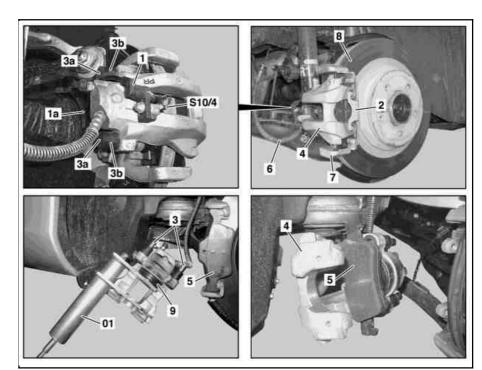
MODEL 216, 221 with ENGINE 275.982

MODEL 221 with ENGINE 629 except CODE (Z07) Top protection

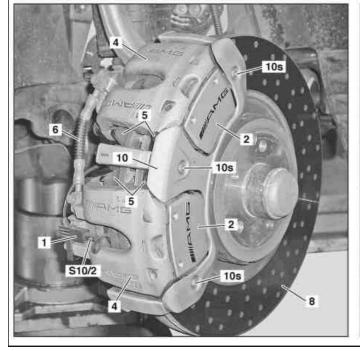
Illustrated on model 221.071

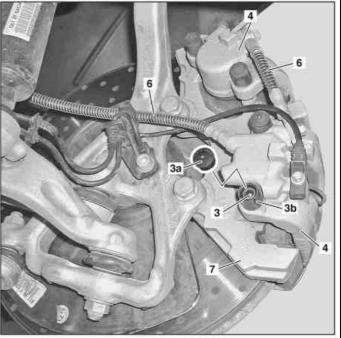
01	${rac{oldsymbol{\Im}}{oldsymbol{\square}}}$ Pusher tool
1	Electrical feed line
1a	Cable retainer
2	Spring steel sheet
3	Guide bolts
3a	Protective cap
3b	Boot
4	Brake caliper
5	Brake pad
6	Brake hose
7	Caliper support
8	Brake disk
9	Dust boot

S10/4 Right rear brake pad contact sensor



P42.10-2530-06





P42.10-2588-09

Model 216.377/379, 221.077/177/179, front axle

- Electrical feed line 2 Spring steel sheet
- Guide bolts 3
- За Protective cap
- 3b Boot

- Brake caliper
- Brake pad
- 6 Brake hose
- Caliper support 7
- Brake disk

- 10 Cover panel
- 10s Screw

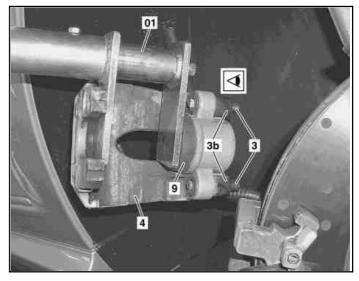
S10/2 Right front brake pad contact

sensor

Model 216.377/379, 221.077/177/179, front axle

- Y

 Pusher tool
 01
- Guide bolts 3
- Boot 3b
- Brake caliper Dust boot
- 4 9



P42.10-2590-11

Modification notes

15.9.06	Model 221.179: "Additionally on brake caliper support of	Operation step 17	I
13.9.00	iniodel 221.179. Additionally on brake caliber support of	Operation step 17	
	rear axle, lightly grease contact surfaces of brake pads"		
	added		

XX	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.	AS42.50-Z-0001-01A
⚠Danger!	Risk of injury to skin and eyes caused by	Wear safety gloves, protective clothing and	AS00.00-Z-0002-01A
	handling hot or glowing objects.	safety glasses, if necessary.	ALL40 50 D 0004 04A
(1)	Brake fluid notes		AH42.50-P-0001-01A
()	Notes on repairs to brake system		AH42.00-P-0003-01A
1	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.	
² 爲 A P	Remove wheels Remove/install wheels		AP40.10-P-4050SX
3	Unscrew bolts (10s) and remove cover panel (10)	Model 216.377/ 379, 221.077/177/179 on front axle i Installation: Replace bolts (10s). Coat ATE brake cylinder paste lightly on the contact surfaces of the bolt heads. Do not grease the thread Wipe off excess brake cylinder paste after	
		tightening the bolts (10s). ATE brake cylinder paste	*BR00.45-Z-1078-06A
4	Separate brake pad contact sensor (S10/2, S10/4) from electrical feed line (1)	When removing the brake pads (5) on the right-hand side of the vehicle	
5	Unclip the electrical feed line (1) from the cable retainer (1a) on the wheel carrier	When removing the brake pads (5) from the rear axle on the right-hand side of the vehicle	
6	Pry off spring steel sheet (2) and remove		
7	Pry off and remove protective caps (3a) from boots (3b)		
8	Remove guide pins (3)	*BA42.10-P-1003-121 *Mm *BA42.10-P-1004-101	
9	Remove brake caliper (4)	Do not subject brake hoses (6) to tensile loads or kink. Attach brake caliper (4) without tension to vehicle to relieve load on brake hose (6), otherwise the brake hose (6) will be damaged. Do not detach brake hoses (6).	

10	Take out brake pads (5)	Brake pads (5) 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. i Only complete sets of brake pads (5) approved by Mercedes-Benz may be installed. i Installation: Insert inner brake pad (5) with riveted-on spring in brake piston. Except vehicles with engine 156, at the rear axle: Insert outer brake pad (5) in brake caliper support (7) and mount brake caliper (4). Vehicles with engine 156, at the rear axle: Insert outer brake pad (5) with spring riveted on into brake caliper (4) and mount brake caliper (4).	
11	Pull brake pad contact sensor (S10/2, S10/4) out of the pad backing plate of the brake pad (5)	When removing the brake pads (5) on the right-hand side of the vehicle i Installation: Replace defective brake pad contact sensor (S10/2, S10/4).	
(9)	Notes on installing brake pad wear sensor contact sensors	, , , , , , , , , , , , , , , , , , , ,	AH42.10-P-0003-01A
4	Checking		
12	Check brake pads (5) and brake disks (8)	i Replace brake pads (5) and brake disks (8) in complete sets if necessary.	
₩ AP	Check brake lining thickness		AP42.10-P-4253A
₩ AP	Inspect condition of brake disks		AP42.10-P-4258SX
13	Check brake caliper (4) for leaks	i In the event of leaks: ↓ Replace rear axle brake caliper. Install new front axle brake caliper.	AR42.10-P-0080SX AR42.10-P-0070SX
14	Check dust boot (9) on brake piston for damage	If dust boot (9) is damaged:	AR42.10-P-0080SX AR42.10-P-0070SX
15	Push back brake piston using pusher tool (01)		AR42.10-P-0080SX AR42.10-P-0070SX *000589524300
	Clean		
16	Clean contact surfaces of brake pads (5) on brake caliper (4) and brake caliper support (7) using rag	Do not damage dust boot (9) in the process. Do not use sharp-edged or pointed tools, otherwise the brake caliper (4) or brake caliper support (7) will be damaged.	*BR00.45-Z-1028-04A
17	Grease contact surfaces of brake pads (5) lightly	Except model 216.377/ 379, 221.077/ 177/179: On the front and rear axle only use Molykote Cu 7439 brake pad paste. Molykote Cu-7439 brake pad paste Model 216.377/ 379, 221.077/177/179: On the front and rear axle only use plastilube paste. Plastilube paste	*BR00.45-Z-1057-06A *BR00.45-Z-1054-06A
18	Install in the reverse order		1010 50 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
∆Danger! 19	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 Press brake pedal several times until the brake pads (5) touch the brake disks (8)		
20	Inspect fluid level in expansion reservoir,		
AP	adjust to correct level if necessary Brake system - inspect fluid level 1/08. This WIS printout will not be recorded by the update sen	ice.	AP42.10-P-4210SX

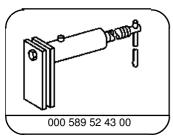
21	Check function and effectiveness of brake	
⊯ AP	system Brake test on roller brake test stand	AP42.00-P-4292SX

Nm Front axle brake caliper

Number	Designation		Model 216	Model 221
BA42.10-P-1004-10M	Guide pin, brake caliper to brake caliper support	Nm	28	28

Nm Rear axle brake caliper

Number	Designation		Model 216 except 216.377 / 379	Model 216.377 / 379	Model 221 except model 221.077/ 177/179	Model 221.077/ 177/179
BA42.10-P-1003-12M	Guide pin to caliper support	Nm	28	28	28	28



Pusher tool

Auxiliary repair materials

Number	Designation	Order number
BR00.45-Z-1028-04A	LU 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
BR00.45-Z-1054-06A	ATE brake pad paste (ATE Plastilube) Article number: 03.9902-1001.2 (35 ml)	Continental Teves AG & Co. oHG
	Article number: 03.9902-1002.2 (75 ml)	Guerickestr. 7
		60488 Frankfurt
		Germany
		Tel. +49 69 7603-1
		Fax +49 69 761061
		www.conti-online.com
BR00.45-Z-1057-06A	Molykote Cu-7439 brake pad paste	A 001 989 87 51

ATE brake cylinder paste 188 ml.	Continental Teves
Article no.: 03.9902-0501.2	AG & Co. oHG
	Guerickestr. 7
	60488 Frankfurt
	Germany
	Tel. +49 69 7603-1
	Fax +49 69 761061
	www.conti-online.com
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