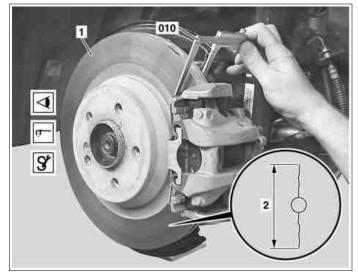
Model 166

Modification notes

26.07.2018	Brake disk thickness	Model 166.003/004/055/862 model	BE42.10-P-1001-08N
		166.006/023/024 except code Z04 (Light	
		armoring) except code Z05 (B5 Armoring for	
		special protection version) model	
		166.056/057/058/062/823/824/856/864	
		except code P31 (AMG Exterior Line) model	
		166.056/062/856 with code 830 (Additional	
		parts for China vehicles) with code P31	
		(AMG Exterior Line) model 166.057/058/062	
		with code 494 (USA version) with code P31	
		(AMG Exterior Line) model 166.064 except	
		code P31 (AMG Exterior Line) except code	
		Z04 (Light armoring) except code Z05 (B5	
		Armoring for special protection version)	
		model 166.872 as of 14.09.13 with code 494	
		(USA version)	
26.07.2018	Brake disk thickness	Model 166.006/064/075 with code Z04 (Light B	BE42.10-P-1001-08N
		armoring) model 166.006/064/075 with code	
		Z05 (B5 Armoring for special protection	
		version) model 166.023/024 with code Z04	
		(Light armoring) model 166.023/024 with	
		code Z05 (B5 Armoring for special protection	
		version) model 166.056/856 with code P31	
		(AMG Exterior Line) except code 830	
		(Additional parts for China vehicles) model	
		166.057/058 with code P31 (AMG Exterior	
		Line) except code 494 (USA version) model	
		166.062 with code P31 (AMG Exterior Line)	
		except code 494 (USA version) except code	
		830 (Additional parts for China vehicles)	
		model 166.063/073/871/873 model	
		166.064/823/824/864 with code P31 (AMG Exterior Line) model 166.872 up to 13.09.13	
		with code 494 (USA version) model 166.872	
		except code 494 (USA version)	

010 Vernier caliper1 Brake disk2 Crack length



P42.10-2612-11

23 X	Remove/install		
⚠ 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 repairs to brake system		AH42.00-P-0003-01A
1	Remove wheel-and-tire assembly		AP40.10-P-4050EW
4	Check		
2	Check brake disks (1) at front and rear axle	i Inspect for scores and cracks. Hairline cracks can occur due to high stress.	

		Brake disks (1) do not have to be replaced when the crack length (2) is a maximum of 25 mm. On brake disks that are perforated or that have countersunk holes (1) measure the crack length (2) including the bore diameter. For cracks and scores which have split open and are deeper than 0.5 mm: ↓ Replace brake disks (1) subject to separate repair order.	
6	Measure		
3	Measure thickness of brake disks on front and rear axles using caliper gauge (010)	Front axleBrake disk thickness	*BE42.10-P-1001-08N
		Rear axleBrake disk thickness	*BE42.10-P-1001-09L
		S Caliper gauge	*140589001900
		Observe recommended limit dimensions. If the wear limit has been exceeded or will be	
		exceeded before the next brake pad change:	
		Replace brake disks (1) on front axle subject to separate repair order.	
X	Install		
4	Mount wheel and tire assembly		AP40.10-P-4050EW

Check values for front axle brake disks

Number	Designation			Model	Model
				166.003/004/055/862	
				Model	with code Z04
				166.006/023/024 except code Z04	(Light armoring) Model
				(Light armoring)	166.006/064/075
				except code Z05	with code Z05 (B
				(B5 armoring on	armoring on
				special protection	special protection
				version) Model	version) Model 166.023/024
				166.056/057/058/062	
				/823/824/856/864	(Light armoring)
				except code P31 (AMG Line exterior)	Model 166.023/02 with code Z05 (B
				Model	armoring on
				166.056/062/856	special protection
				with code 830	version)
				(Vehicles for China,	
				additional parts) with code P31	with code P31 (AMG Line exterior
				(AMG Line exterior)	except code 830
				Model	(Vehicles for Chir
				166.057/058/062	additional parts)
				with code 494 (US	Model 166.057/05
				version) with code P31	with code P31 (AMG Line exterior
				(AMG Line exterior)	except code 494
				Model 166.064	(US version)
				except code P31	Model 166.062
				(AMG Line exterior)	with code P31
				except code Z04 (Light armoring)	(AMG Line exterior except code 494
				except code Z05	(US version)
				(B5 armoring on	except code 830
				special protection	(Vehicles for Chir
				version) Model 166.872 as of	additional parts)
				9/14/13	166.063/073/871/8
				with code 494 (US	3
				version)	Model
					166.064/823/824/8
					4 with code P31
					(AMG Line exterio
					Model 166.872 up
					to 9/13/13
					with code 494 (Uversion)
					Model 166.872
					except code 494
					(US version)
3E42.10-P-1001-08N	Brake disk thickness	New	mm	32	36
		Wear limit		29,4	33,4

Check values for front axle brake disks

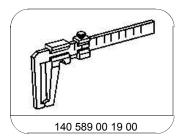
Number	Designation			Model 166.074/874/875 Model 166.075 except code Z04 (Light armoring) except code Z05 (B5 armoring on special protection version)
BE42.10-P-1001-08N	Brake disk thickness	New	mm	36
		Wear limit	mm	34

Check values for rear axle brake disks

Number	Designation			Model	Model 166.003
rumber	Designation			166.003/004/006/023	
				/024	(US version)
				with code P31	except code P31
				(AMG Line exterior)	
				` '	Model 166.004
				with code 494 (US	except code P31
				version)	(AMG Line exterior)
				,	Model 166.006/024
				166.006/023/024/075	except code P31
				with code Z04	(AMG Line exterior)
				(Light armoring)	except code Z04
					(Light armoring)
				166.006/023/024/075	except code Z05
					(B5 armoring on
				armoring on special	special protection
				protection version)	version)
				Model	Model 166.023
				166.055/057/058/062	except code 494
				except code 494	(US version)
				(US version)	except code P31
				Model	(AMG Line exterior)
				166.055/057/058/062	
					(Light armoring)
				version)	except code Z05
				with code P31	(B5 armoring on
					special protection
					version)
				166.056/063/064/073	
				/823/824/856/862/86	
				4/871/872/873	2
					with code 494 (US version)
					except code P31
					(AMG Line exterior)
BE42.10-P-1001-09L	Brake disk thickness	New	mm	22	14
		Wear limit	mm	19,4	11,4

Check values for rear axle brake disks

Number	Designation			Model 166.074/874/875 Model 166.075 except code Z04 (Light armoring) except code Z05 (B5 armoring on special protection version)
BE42.10-P-1001-09	L Brake disk thickness	New	mm	26
		Wear limit	mm	24



Caliper gauge