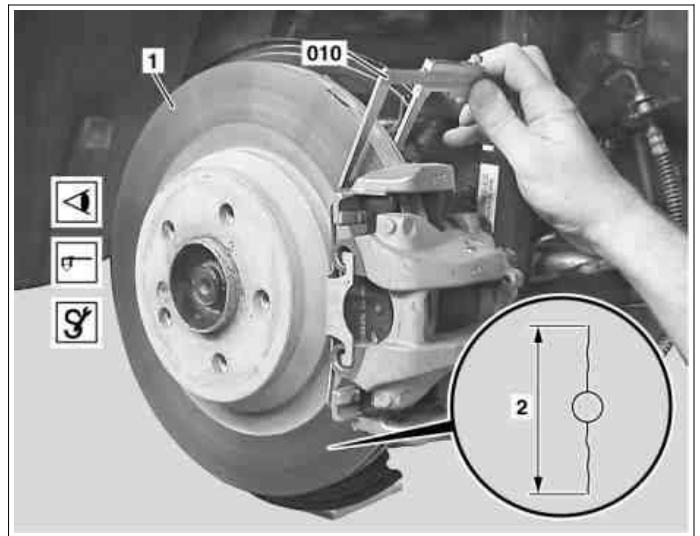


Model 166

Modification notes




26.07.2018	Brake disk thickness	Model 166.003/004/055/862 model 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)	BE42.10-P-1001-08N
26.07.2018	Brake disk thickness	Model 166.006/064/075 with code Z04 (Light 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)	BE42.10-P-1001-08N

- 010 Vernier caliper
- 1 Brake disk
- 2 Crack length



P42.10-2612-11

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

		<p><b>i</b> 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.</p> <p>For cracks and scores which have split open and are deeper than 0.5 mm:</p> <p style="text-align: center;">↓</p> <p>Replace brake disks (1) subject to separate repair order.</p>	
	<b>Measure</b>		
3	Measure thickness of brake disks on front and rear axles using caliper gauge (010)	<p>Front axle Brake disk thickness</p> <p>Rear axle Brake disk thickness</p> <p> Caliper gauge</p> <p>Observe recommended limit dimensions. If the wear limit has been exceeded or will be exceeded before the next brake pad change:</p> <p style="text-align: center;">↓</p> <p>Replace brake disks (1) on front axle subject to separate repair order.</p>	<p>*BE42.10-P-1001-08N</p> <p>*BE42.10-P-1001-09L</p> <p>*140589001900</p>
	<b>Install</b>		
4	Mount wheel and tire assembly		AP40.10-P-4050EW

Check values for front axle brake disks

Number	Designation	Model	Model
		<p>166.003/004/055/862</p> <p>Model 166.006/023/024 except code Z04 (Light armoring)</p> <p>Model 166.006/064/075 (B5 armoring on special protection version)</p> <p>Model 166.056/057/058/062/823/824/856/864 except code P31 (AMG Line exterior)</p> <p>Model 166.056/062/856 with code 830 (Vehicles for China, additional parts) with code P31 (AMG Line exterior)</p> <p>Model 166.057/058/062 with code 494 (US version) with code P31 (AMG Line exterior)</p> <p>Model 166.064 except code P31 (AMG Line exterior) except code Z04 (Light armoring) except code Z05 (B5 armoring on special protection version)</p> <p>Model 166.872 as of 9/14/13 with code 494 (US version)</p>	<p>166.006/064/075 with code Z04 (Light armoring)</p> <p>Model 166.006/064/075 with code Z05 (B5 armoring on special protection version)</p> <p>Model 166.023/024 with code Z04 (Light armoring)</p> <p>Model 166.023/024 with code Z05 (B5 armoring on special protection version)</p> <p>Model 166.056/856 with code P31 (AMG Line exterior) except code 830 (Vehicles for China, additional parts)</p> <p>Model 166.057/058 with code P31 (AMG Line exterior) except code 494 (US version)</p> <p>Model 166.062 with code P31 (AMG Line exterior) except code 494 (US version) except code 830 (Vehicles for China, additional parts)</p> <p>Model 166.063/073/871/873</p> <p>Model 166.064/823/824/864 with code P31 (AMG Line exterior)</p> <p>Model 166.872 up to 9/13/13 with code 494 (US version)</p> <p>Model 166.872 except code 494 (US version)</p>
BE42.10-P-1001-08N	Brake disk thickness	New mm	32
		Wear limit mm	29,4
			36
			33,4

Check values for front axle brake disks

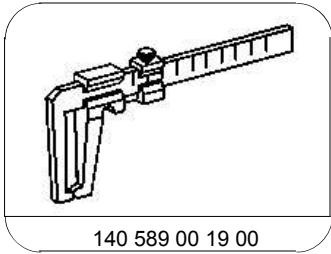
Number	Designation	Model	166.074/874/875 Model 166.075 except code Z04 (Light armoring) except code Z05 (B5 armoring on special protection version)
BE42.10-P-1001-08N	Brake disk thickness	New	mm 36
		Wear limit	mm 34

Check values for rear axle brake disks

Number	Designation	Model	166.003/004/006/023 /024 with code P31 (AMG Line exterior) Model 166.003/023 with code 494 (US version) Model 166.006/023/024/075 with code Z04 (Light armoring) Model 166.006/023/024/075 with code Z05 (B5 armoring on special protection version) Model 166.055/057/058/062 except code 494 (US version) Model 166.055/057/058/062 with code 494 (US version) with code P31 (AMG Line exterior) Model 166.056/063/064/073 /823/824/856/862/86 4/871/872/873	Model 166.003 except code 494 (US version) except code P31 (AMG Line exterior) Model 166.004 except code P31 (AMG Line exterior) Model 166.006/024 except code P31 (AMG Line exterior) except code Z04 (Light armoring) except code Z05 (B5 armoring on special protection version) Model 166.023 except code 494 (US version) except code P31 (AMG Line exterior) except code Z04 (Light armoring) except code Z05 (B5 armoring on special protection version) Model 166.055/057/058/06 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-1001-09L	Brake disk thickness	New	mm 26
		Wear limit	mm 24



140 589 00 19 00

Caliper gauge