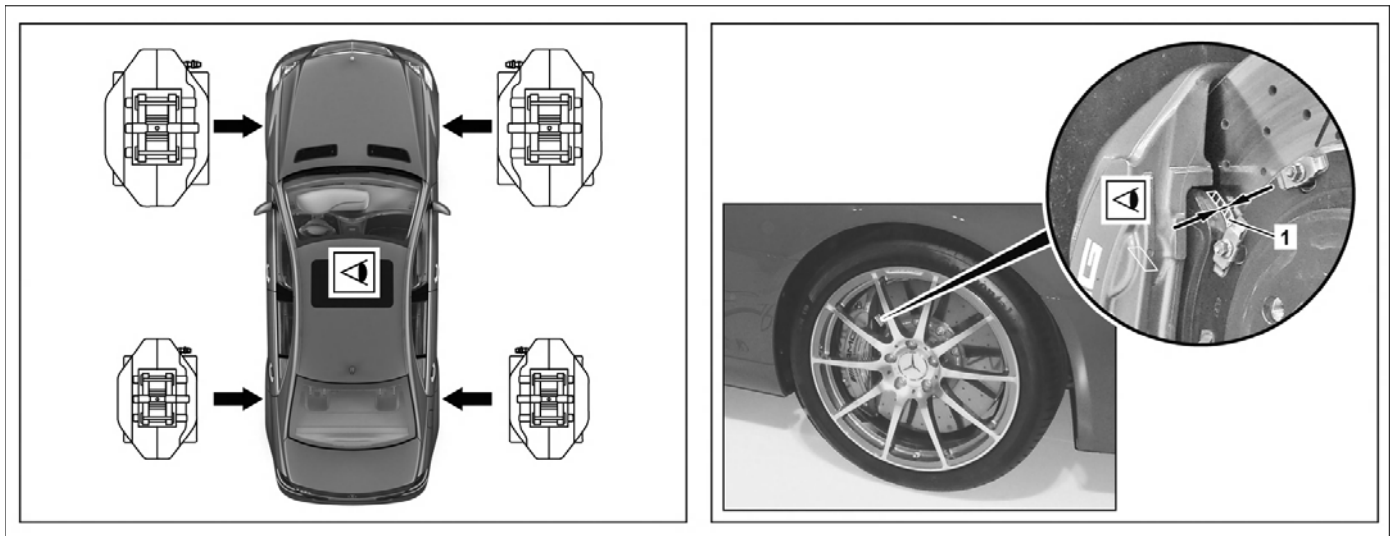
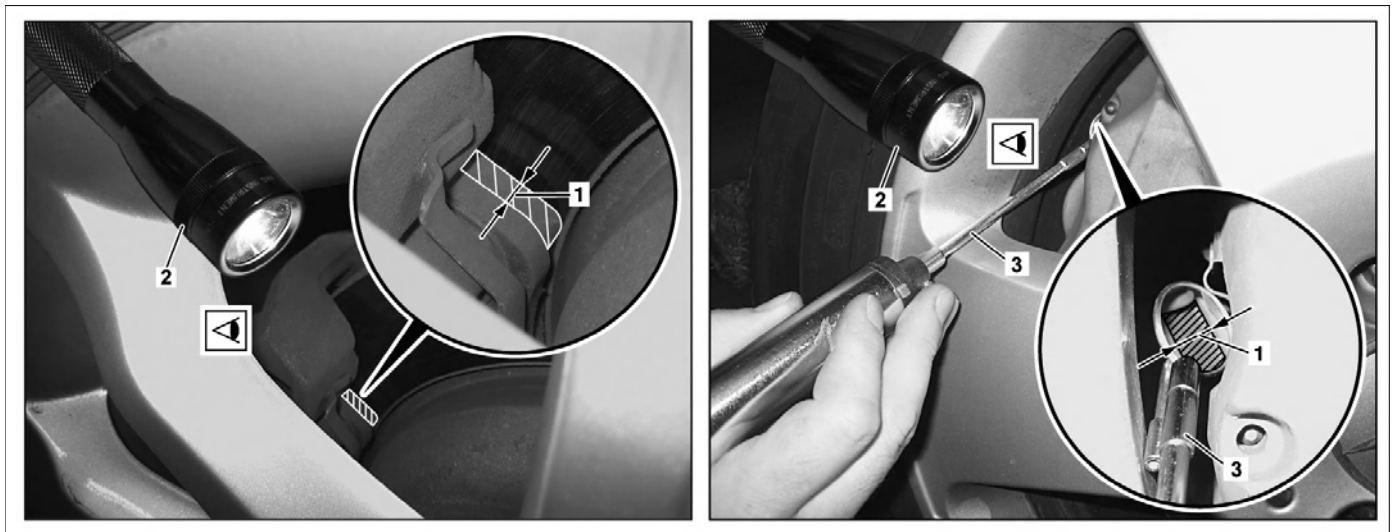


Model 221



P42.10-2945-08

1 Lining thickness



P42.10-2946-08

1 Lining thickness

2 Flashlight

3 Mirror

	Risk of death caused by vehicle slipping or toppling off of the lifting platform.	Align vehicle between vehicle lift columns and position the four support plates at the vehicle lift support points specified by the vehicle manufacturer.	AS00.00-Z-0010-01A
	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 repairs to brake system		AH42.00-P-0003-01A
◀	Check		

1	Assess lining thickness (1) of brake linings on front axle	<p>i If necessary, use flashlight (2) or mirror (3). The thickness of the pad backing plate can be used as a guide when assessing lining thickness (1). Brake lining thickness If, in exceptional cases, assessment by means of visual inspection is not possible: ↓ Detach wheel and tire assemblies and inspect them, subject to separate repair order.</p>	*BE42.10-P-1001-05K
2	Assess lining thickness (1) of brake linings on rear axle	<p>i If necessary, use flashlight (2) or mirror (3). The thickness of the pad backing plate can be used as a guide when assessing lining thickness (1). Rear axle Brake lining thickness If, in exceptional cases, assessment by means of visual inspection is not possible: ↓ Detach wheel and tire assemblies and inspect them, subject to separate repair order.</p>	*BE42.10-P-1001-15J
3	Determine likely remaining distance of brake linings	<p>! If the wear limit for the brake linings is reached, the brake linings must be replaced subject to separate repair order. Otherwise the braking effect may be impaired and people, property and environmental damage may result!</p> <p>i Per axle, the brake pad with the least lining thickness (1) is to be used for determining the likely remaining distance. In order to avoid an unscheduled workshop visit between services, it is necessary to determine the remaining distance of the present brake linings. If the remaining distance determined is smaller than the next service interval, premature brake pad replacement should be recommended to the customer.</p>	AP42.10-P-4253-03EW

Check values for front brake lining

Number	Designation	Model	Model
		221.003/026/028/054/057/073/080/082/083/084/086/087/094/095/103/126/154/157/173/180/182/183/184/186/187/194/195 Model 221.128 except code Z07 (Top protection) Model 221.176 with code 494 (US version) except code Z07 (Top protection) except code Z19 (S600 Pullman Guard state sedan) Model 221.176 with code 498 (Japanese version) except code Z07 (Top protection) except code Z19 (S600 Pullman Guard state sedan) Model 221.176 with code 625 (Australia specification) except code Z07 (Top protection) except code Z19 (S600 Pullman Guard state sedan)	221.022/056/070/071/122/156/170/171

BE42.10-P-1001-05K	Brake lining thickness	New (with pad backing plate)	mm	17	17,8
		Wear limit (without pad backing plate)	mm	2	2
		Wear limit (with pad backing plate) for maintenance service	mm	10	10,8
		Wear limit (without pad backing plate) for maintenance service	mm	5	5
		Wear indicator activated	mm	2...3	2...3

Check values for front brake lining

Number	Designation			Model 221.074/077/174/177/179	Model 221.128 with code Z07 (Top protection) Model 221.176 with code Z07 (Top protection) with code Z19 (S600 Pullman Guard state sedan)
BE42.10-P-1001-05K	Brake lining thickness	New (with pad backing plate)	mm	16	16,2
		Wear limit (without pad backing plate)	mm	2	1,8
		Wear limit (with pad backing plate) for maintenance service	mm	9,5	9,5
		Wear limit (without pad backing plate) for maintenance service	mm	4,5	5
		Wear indicator activated	mm	2...3	2...3

Check values for front brake lining

Number	Designation			Model 221.176 except code 494 (US version) except code 498 (Japanese version) except code 625 (Australia specification) except code Z07 (Top protection) With 8-piston brake caliper
BE42.10-P-1001-05K	Brake lining thickness	New (with pad backing plate)	mm	16,5
		Wear limit (without pad backing plate)	mm	1,8
		Wear limit (with pad backing plate) for maintenance service	mm	9,8
		Wear limit (without pad backing plate) for maintenance service	mm	4,8
		Wear indicator activated	mm	2...3

Check values for rear brake pad

Number	Designation			Model 221.003/026/057/080 /082/083/087/094/09 5/103/126/157/173/1 80/182/183/187/194/ 195 Model 221.176 except code Z07 (Top protection) except code Z19 (S600 Pullman Guard state sedan) With floating brake caliper	Model 221.022/056/070/07 1/122/156/170/171
BE42.10-P-1001-15J	Brake lining thickness	New (with pad backing plate)	mm	16	16
		Wear limit (without pad backing plate)	mm	2	2
		Wear limit (with pad backing plate) for maintenance service	mm	9,5	9,9
		Wear limit (without pad backing plate) for maintenance service	mm	4,5	4,2
		Wear indicator activated (if installed)	mm	2...3	2...3

Check values for rear brake pad

Number	Designation			Model 221.028/054/074/077 /084/086/154/174/17 7/179/184/186 Model 221.128 except code Z07 (Top protection)	Model 221.128/176 with code Z07 (Top protection) with code Z19 (S600 Pullman Guard state sedan)
BE42.10-P-1001-15J	Brake lining thickness	New (with pad backing plate)	mm	16,5	14
		Wear limit (without pad backing plate)	mm	2	1,8
		Wear limit (with pad backing plate) for maintenance service	mm	10	8,3
		Wear limit (without pad backing plate) for maintenance service	mm	4,5	3,8
		Wear indicator activated (if installed)	mm	2...3	2...3

Check values for rear brake pad

Number	Designation			Model 221.176 except code Z07 (Top protection) except code Z19 (S600 Pullman Guard state sedan) With fixed brake caliper
BE42.10-P-1001-15J	Brake lining thickness	New (with pad backing plate)	mm	15
		Wear limit (without pad backing plate)	mm	2,5
		Wear limit (with pad backing plate) for maintenance service	mm	8,5
		Wear limit (without pad backing plate) for maintenance service	mm	4
		Wear indicator activated (if installed)	mm	2...3