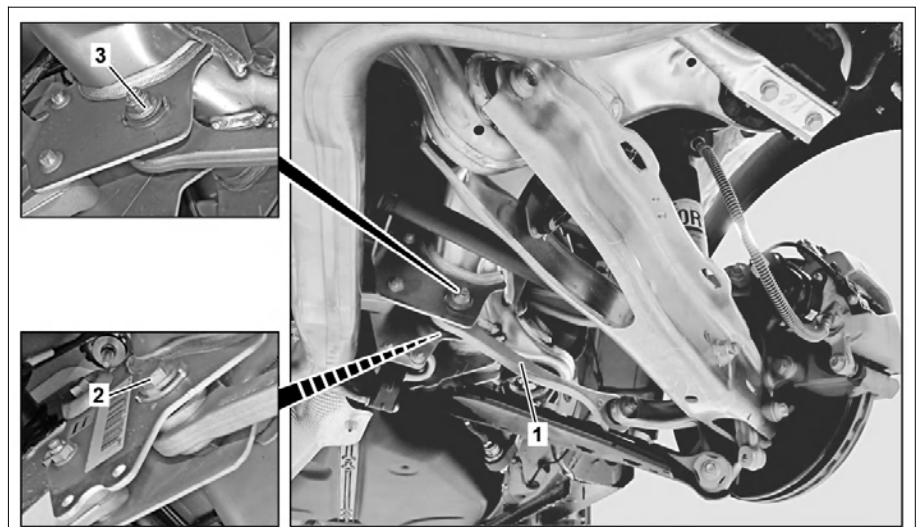



Model 217, 222

### Modification notes

16.02.2017	Total toe at vehicle level	Model 222.0 (except 222.077) except code 487 (Active Body Control (ABC)) except code M005 (4MATIC) except code Z07 (Highest protection), model 222.1 (except 222.177/178/179/187/188) except code 487 (Active Body Control (ABC)) except code M005 (4MATIC) except code Z07 (Highest protection)	BE40.20-P-1001-10W
16.02.2017	Total toe at vehicle level	Model 222.0 (except 222.077) with code 487 (Active Body Control (ABC)), model 222.1 (except 222.177/178/179/187/188) with code 487 (Active Body Control (ABC))	BE40.20-P-1001-10W
16.02.2017	Total toe at vehicle level	Model 222.0 (except 222.077) with code M005 (4MATIC), model 222.1 (except 222.177/178/179/187/188) with code M005 (4MATIC)	BE40.20-P-1001-10W
16.02.2017	Total toe at vehicle level	Model 222.1 (except 222.177/178/179/187/188) with code Z07 (Highest protection)	BE40.20-P-1001-10W
16.02.2017	Total toe at vehicle level	Model 222.178 with code 494 (USA version) except code 487 (Active Body Control (ABC))	BE40.20-P-1001-10W
16.02.2017	Total toe at vehicle level	Model 222.077/177/178/179/187/188 with code 487 (Active Body Control (ABC))	BE40.20-P-1001-10W
16.02.2017	Permissible difference between right and left side of vehicle for rear-axle toe	Model 222.0 (except 222.077) except code 487 (Active Body Control (ABC)) except code M005 (4MATIC) except code Z07 (Highest protection), model 222.1 (except 222.177/178/179/187/188) except code 487 (Active Body Control (ABC)) except code M005 (4MATIC) except code Z07 (Highest protection)	BE40.20-P-1002-10W
16.02.2017	Permissible difference between right and left side of vehicle for rear-axle toe	Model 222.0 (except 222.077) with code 487 (Active Body Control (ABC)), model 222.1 (except 222.177/178/179/187/188) with code 487 (Active Body Control (ABC))	BE40.20-P-1002-10W
16.02.2017	Permissible difference between right and left side of vehicle for rear-axle toe	Model 222.0 (except 222.077) with code M005 (4MATIC), model 222.1 (except 222.177/178/179/187/188) with code M005 (4MATIC)	BE40.20-P-1002-10W
16.02.2017	Permissible difference between right and left side of vehicle for rear-axle toe	Model 222.1 (except 222.177/178/179/187/188) with code Z07 (Highest protection)	BE40.20-P-1002-10W
16.02.2017	Permissible difference between right and left side of vehicle for rear-axle toe	Model 222.178 with code 494 (USA version) except code 487 (Active Body Control (ABC))	BE40.20-P-1002-10W
16.02.2017	Permissible difference between right and left side of vehicle for rear-axle toe	Model 222.077/177/178/179/187/188 with code 487 (Active Body Control (ABC))	BE40.20-P-1002-10W

- 1 Tie rod
- 2 Cam bolt
- 3 Nut



Adjust			
1	Loosen nut (3)		
2	Adjust toe using cam bolt (2)	Model 222 Total toe at vehicle level Model 222 Permissible difference in rear axle toe between right and left sides of vehicle Model 217 Total toe at vehicle level Model 217 Permissible difference in rear axle toe between right and left sides of vehicle If the set values cannot not attained. ↓ Replace tie rod (1).	*BE40.20-P-1001-10W *BE40.20-P-1002-10W *BE40.20-P-1001-10CA *BE40.20-P-1002-10CA AR35.20-P-0109LF *BR00.45-Z-1003-05A *BA35.20-P-1001-04L
3	Tighten nut (3) and apply preservation agent to it	Cavity preservation, solvent-free (1 l container)  Nut, tie rod to rear axle carrier	

Test and adjustment values for rear axle toe

Number	Designation			Model 217.382/482 except code 494/487	Model 217.382/482 with code 494 except code 487
BE40.20-P-1001-10CA	Total toe at vehicle level	-3.84°	Δ°	-	-
		-3.36°	Δ°	0° 26' (±7')	-
		-2.88°	Δ°	-	0° 25' (±7')

Test and adjustment values for rear axle toe

Number	Designation			Model 217.382/482 with code 487	Model 217.364/384/385
BE40.20-P-1001-10CA	Total toe at vehicle level	-3.84°	Δ°	-	-
		-3.36°	Δ°	-	-
		-2.88°	Δ°	0° 25' (±7')	0° 25' (±7')

Test and adjustment values for rear axle toe

Number	Designation			AMG model 217.377/379/477/479	AMG model 217.378/478 except code 494
BE40.20-P-1001-10CA	Total toe at vehicle level	-3.84°	Δ°	-	0° 26' (±7')
		-3.36°	Δ°	-	-
		-2.88°	Δ°	0° 25' (±7')	-

Test and adjustment values for rear axle toe

Number	Designation			AMG model 217.378/478 with code 494
BE40.20-P-1001-10CA	Total toe at vehicle level	-3.84°	Δ°	-
		-3.36°	Δ°	-
		-2.88°	Δ°	0° 24' (±7')

Test values for rear axle toe

Number	Designation			Model 222.0 (except 222.077) except code 487 (Active Body Control (ABC)) except code M005 (4MATIC) except code Z07 (Top protection)	Model 222.0 (except 222.077) with code 487 (Active Body Control (ABC)) Model 222.1 (except 222.177/178/179/187/188) with code 487 (Active Body Control (ABC)) except code M005 (4MATIC) except code Z07 (Top protection)
BE40.20-P-1001-10W	Total toe at vehicle level	-4.13°	∠°	-	-
		-3.36°	∠°	-	-
		-3.17°	∠°	0° 26' (±7')	0° 26' (±7')
		-2.59°	∠°	-	-
		-2.40°	∠°	0° 24' (±7')	0° 24' (±7')
		-1.90°	∠°	-	-
		-1.63°	∠°	0° 23' (±7')	0° 23' (±7')
		-1.30°	∠°	-	-
		-1.10°	∠°	-	-
		-0.49°	∠°	-	-
		-0.29°	∠°	-	-
		0.31°	∠°	-	-

Test values for rear axle toe

Number	Designation			Model 222.0 (except 222.077) with code M005 (4MATIC) Model 222.1 (except 222.177/178/179/187/188) with code M005 (4MATIC)	Model 222.1 (except 222.177/178/179/187/188) with code Z07 (Top protection)
BE40.20-P-1001-10W	Total toe at vehicle level	-4.13°	∠°	-	-
		-3.36°	∠°	-	-
		-3.17°	∠°	0° 26' (±7')	-
		-2.59°	∠°	-	-
		-2.40°	∠°	0° 24' (±7')	-
		-1.90°	∠°	-	0° 51' (±7')
		-1.63°	∠°	0° 23' (±7')	-
		-1.30°	∠°	-	-
		-1.10°	∠°	-	0° 48' (±7')
		-0.49°	∠°	-	-
		-0.29°	∠°	-	0° 43' (±7')
		0.31°	∠°	-	-

Test values for rear axle toe

Number	Designation			Model 222.9 with code Z19 (Pullman government sedan)	Model 222.9 with code Z31 (Pullman Guard government sedan)
BE40.20-P-1001-10W	Total toe at vehicle level	-4.13°	∠°	-	-
		-3.36°	∠°	-	-
		-3.17°	∠°	-	-
		-2.59°	∠°	-	-
		-2.40°	∠°	-	-
		-1.90°	∠°	0° 51' (±7')	-
		-1.63°	∠°	-	-
		-1.30°	∠°	-	0° 48' (±7')
		-1.10°	∠°	0° 48' (±7')	-

		-0.49°	∠°	-	0° 44' (±7')
		-0.29°	∠°	0° 43' (±7')	-
		0.31°	∠°	-	0° 40' (±7')

Test values for rear axle toe

Number	Designation			Model 222.178 except code 487 (Active Body Control (ABC)) except code 494 (US version)	Model 222.178 with code 494 (US version) except code 487 (Active Body Control (ABC))
BE40.20-P-1001-10W	Total toe at vehicle level	-4.13°	∠°	0° 28' (±14')	-
		-3.36°	∠°	0° 26' (±14')	-
		-3.17°	∠°	-	0° 26' (±14')
		-2.59°	∠°	0° 25' (±14')	-
		-2.40°	∠°	-	0° 24' (±14')
		-1.90°	∠°	-	-
		-1.63°	∠°	-	0° 23' (±14')
		-1.30°	∠°	-	-
		-1.10°	∠°	-	-
		-0.49°	∠°	-	-
		-0.29°	∠°	-	-
		0.31°	∠°	-	-

Test values for rear axle toe

Number	Designation			Model 222.077/177/178/17 9/187/188 with code 487 (Active Body Control (ABC))
BE40.20-P-1001-10W	Total toe at vehicle level	-4.13°	∠°	-
		-3.36°	∠°	-
		-3.17°	∠°	0° 26' (±7')
		-2.59°	∠°	-
		-2.40°	∠°	0° 24' (±7')
		-1.90°	∠°	-
		-1.63°	∠°	0° 23' (±7')
		-1.30°	∠°	-
		-1.10°	∠°	-
		-0.49°	∠°	-
		-0.29°	∠°	-
		0.31°	∠°	-

Test and adjustment values for rear axle toe

Number	Designation		Model 217.382/482 except code 494/487	Model 217.382/482 with code 494 except code 487
BE40.20-P-1002-10CA	Permissible difference in rear axle toe between right and left sides of vehicle	∠°	±7'	±7'

Test and adjustment values for rear axle toe

Number	Designation		Model 217.382/482 with code 487	Model 217.364/384/385
BE40.20-P-1002-10CA	Permissible difference in rear axle toe between right and left sides of vehicle	∠°	±7'	±7'

Test and adjustment values for rear axle toe

Number	Designation		AMG model 217.377/379/ 477/479	AMG model 217.378/478 except code 494

BE40.20-P-1002-10CA	Permissible difference in rear axle toe between right and left sides of vehicle $\sphericalangle^\circ$	$\pm 7'$	$\pm 7'$
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Test and adjustment values for rear axle toe

Number	Designation	AMG model 217.378/478 with code 494
BE40.20-P-1002-10CA	Permissible difference in rear axle toe between right and left sides of vehicle $\sphericalangle^\circ$	$\pm 7'$

Test values for rear axle toe

Number	Designation	Model 222.0 (except 222.077) except code 487 (Active Body Control (ABC)) except code M005 (4MATIC) except code Z07 (Top protection) Model 222.1 (except 222.177/178/179/187/188) except code 487 (Active Body Control (ABC)) except code M005 (4MATIC) except code Z07 (Top protection)	Model 222.0 (except 222.077) with code 487 (Active Body Control (ABC)) Model 222.1 (except 222.177/178/179/187/188) with code 487 (Active Body Control (ABC))
BE40.20-P-1002-10W	Permissible difference in rear axle toe between right and left sides of vehicle $\sphericalangle^\circ$	$\pm 7'$	$\pm 7'$

Test values for rear axle toe

Number	Designation	Model 222.0 (except 222.077) with code M005 (4MATIC) Model 222.1 (except 222.177/178/179/187/188) with code M005 (4MATIC)	Model 222.1 (except 222.177/178/179/187/188) with code Z07 (Top protection)
BE40.20-P-1002-10W	Permissible difference in rear axle toe between right and left sides of vehicle $\sphericalangle^\circ$	$\pm 7'$	$\pm 7'$

Test values for rear axle toe

Number	Designation	Model 222.9 with code Z19 (Pullman government sedan)	Model 222.9 with code Z31 (Pullman Guard government sedan)
BE40.20-P-1002-10W	Permissible difference in rear axle toe between right and left sides of vehicle $\sphericalangle^\circ$	$\pm 7'$	$\pm 7'$

Test values for rear axle toe

Number	Designation	Model 222.178 except code 487 (Active Body Control (ABC)) except code 494 (US version)	Model 222.178 with code 494 (US version) except code 487 (Active Body Control (ABC))
BE40.20-P-1002-10W	Permissible difference in rear axle toe between right and left sides of vehicle $\sphericalangle^\circ$	$\pm 7'$	$\pm 7'$

Test values for rear axle toe

Number	Designation	Model
		222.077/177/178/179/187/188 with code 487 (Active Body Control (ABC))
BE40.20-P-1002-10W	Permissible difference in rear axle toe between right and left sides of vehicle $\sphericalangle^\circ$	$\pm 7'$

**Nm** Tie rod

Number	Designation	Model 217	Model 222
BA35.20-P-1001-04L	Nut, tie rod to rear axle carrier Nm	80	80

Repair materials

Number	Designation	Order number
BR00.45-Z-1003-05A	Cavity preservation, solvent-free (1 l container)	A 000 986 72 70 05