

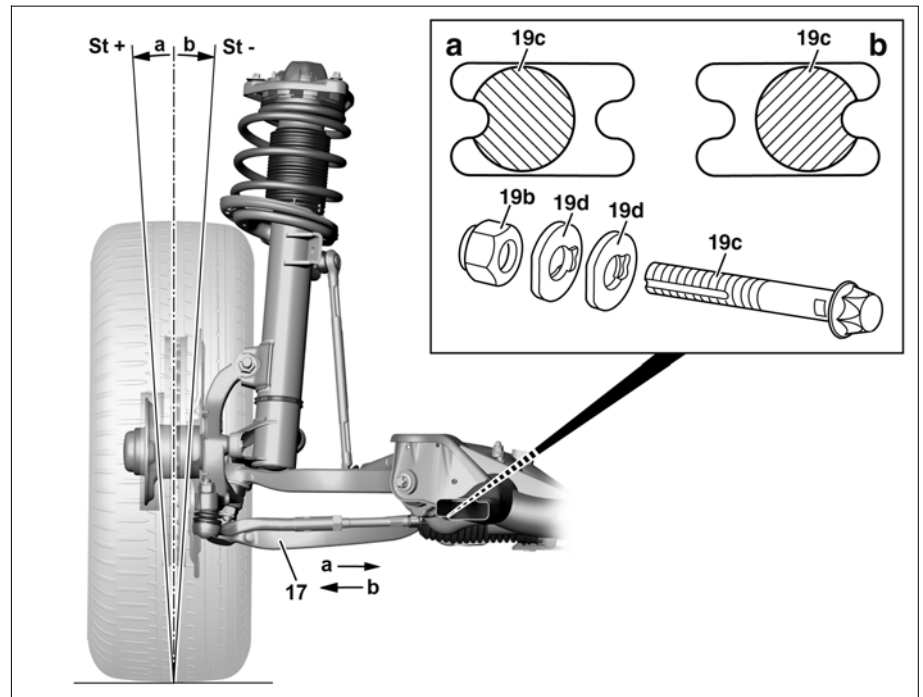
Model 212, 218

Modification notes

01.07.2013	Nachlaufwerte, Formular		BE40.20-P-1001-20E
01.07.2013	Zulässiger Unterschied Nachlauf zwischen rechter und linker Fahrzeugseite		BE40.20-P-1002-20E
01.07.2013	absolute Nachlauf-Toleranz		BE40.20-P-1003-20E

Camber, shown on vehicle except code 489 (AIRMATIC)

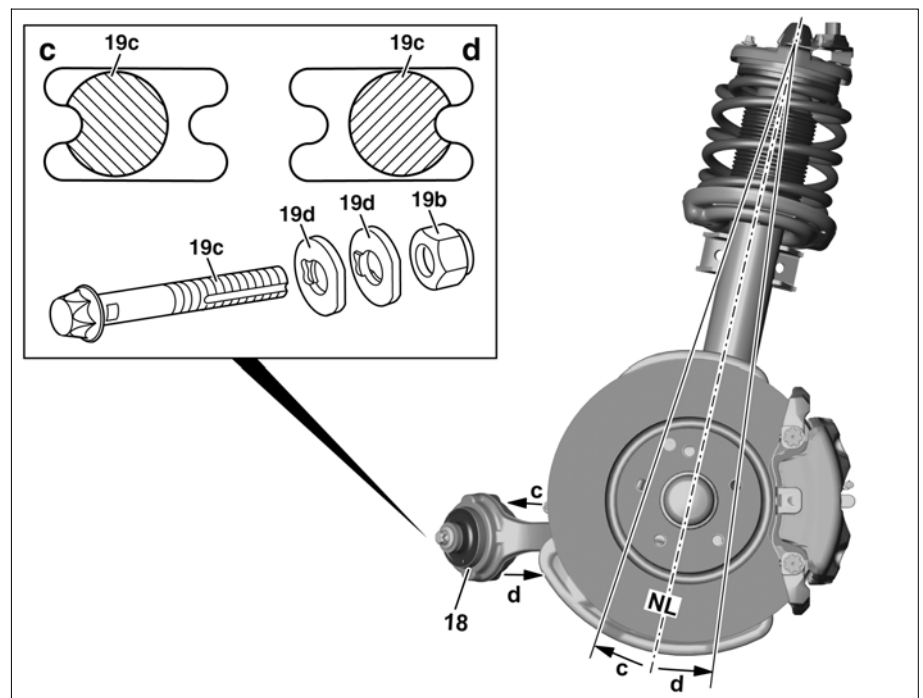
- 17 Cross strut
 19b Nut
 19c Repair bolt
 19d Washer
 St+ Positive camber
 St- Negative camber



P40.20-2312-06

Caster, shown on vehicle except code 489 (AIRMATIC)

- 18 Strut rod
 19b Nut
 19c Repair bolt
 19d Washer
 NL Caster



P40.20-2434-06

	Check		
1	Perform wheel alignment check		AR40.20-P-0200EW
	Remove		

Test and adjustment values for front axle camber

Number	Designation			Model 212.0 with code 485, except 4MATIC	Model 212.0 with code 485, with 4MATIC
BE40.20-P-1001-13P	Camber at vehicle level	+5.80°	∠°	-	-
		+4.85°	∠°	-	-
		+4.20°	∠°	-	-
		+4.16°	∠°	-	-
		+4.08°	∠°	-	-
		+2.67°	∠°	-	0° -22' (±21')
		+2.66°	∠°	-	-
		+2.60°	∠°	-	-
		+2.56°	∠°	0° -23' (±21')	-
		+1.49°	∠°	-	-
		+1.18°	∠°	-	-
		+0.27°	∠°	-	-
		+0.25°	∠°	-	-
		+0.12°	∠°	-	-

Test and adjustment values for front axle camber

Number	Designation			Model 212.0 with code 486/677, except 4MATIC	Model 212.0 with code 486/677, with 4MATIC
BE40.20-P-1001-13P	Camber at vehicle level	+5.80°	∠°	-	-
		+4.85°	∠°	-	-
		+4.20°	∠°	-	-
		+4.16°	∠°	-	-
		+4.08°	∠°	-	-
		+2.67°	∠°	-	-
		+2.66°	∠°	-	-
		+2.60°	∠°	-	-
		+2.56°	∠°	-	-
		+1.49°	∠°	-	-
		+1.18°	∠°	-	-
		+0.27°	∠°	-	-
		+0.25°	∠°	-	0° -30' (±21')
		+0.12°	∠°	0° -33' (±21')	-

Test and adjustment values for front axle camber

Number	Designation			Model 212.002 with code P25	Model 212.0/2 with code 482
BE40.20-P-1001-13P	Camber at vehicle level	+5.80°	∠°	-	-
		+4.85°	∠°	-	0° -12' (±21')
		+4.20°	∠°	-	-
		+4.16°	∠°	-	-
		+4.08°	∠°	-	-
		+2.67°	∠°	-	-
		+2.66°	∠°	-	-
		+2.60°	∠°	-	-
		+2.56°	∠°	-	-
		+1.49°	∠°	0° -27' (±21')	-
		+1.18°	∠°	-	-
		+0.27°	∠°	-	-
		+0.25°	∠°	-	-
		+0.12°	∠°	-	-

Test and adjustment values for front axle camber

Number	Designation			Model 212.0/2 with code 489, except 4MATIC	Model 212.0/2 with code 489, with 4MATIC
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BE40.20-P-1001-13P	Camber at vehicle level	+5.80°	∠°	-	-
		+4.85°	∠°	-	-
		+4.20°	∠°	-	-
		+4.16°	∠°	-	-
		+4.08°	∠°	-	-
		+2.67°	∠°	-	-
		+2.66°	∠°	-	-
		+2.60°	∠°	-	-
		+2.56°	∠°	-	-
		+1.49°	∠°	-	-
		+1.18°	∠°	-	-
		+0.27°	∠°	0° -33' (±21')	-
		+0.25°	∠°	-	0° -30' (±21')
		+0.12°	∠°	-	-

Test and adjustment values for front axle camber

Number	Designation			Model 212.1 with code 482	Model 212.1 with code 485
BE40.20-P-1001-13P	Camber at vehicle level	+5.80°	∠°	-	-
		+4.85°	∠°	-	-
		+4.20°	∠°	-	-
		+4.16°	∠°	-	-
		+4.08°	∠°	0° -15' (±21')	-
		+2.67°	∠°	-	-
		+2.66°	∠°	-	-
		+2.60°	∠°	-	-
		+2.56°	∠°	-	0° -23' (±21')
		+1.49°	∠°	-	-
		+1.18°	∠°	-	-
		+0.27°	∠°	-	-
		+0.25°	∠°	-	-
		+0.12°	∠°	-	-

Test and adjustment values for front axle camber

Number	Designation			Model 212.2 with code 485, except 4MATIC	Model 212.2 with code 485, with 4MATIC
BE40.20-P-1001-13P	Camber at vehicle level	+5.80°	∠°	-	-
		+4.85°	∠°	-	-
		+4.20°	∠°	-	-
		+4.16°	∠°	-	-
		+4.08°	∠°	-	-
		+2.67°	∠°	-	-
		+2.66°	∠°	-	0° -33' (±21')
		+2.60°	∠°	-	-
		+2.56°	∠°	0° -23' (±21')	-
		+1.49°	∠°	-	-
		+1.18°	∠°	-	-
		+0.27°	∠°	-	-
		+0.25°	∠°	-	-
		+0.12°	∠°	-	-

Test and adjustment values for front axle camber

Number	Designation			Model 212.2 with code 486/677, except 4MATIC	Model 212.2 with code 486/677, with 4MATIC
BE40.20-P-1001-13P	Camber at vehicle level	+5.80°	∠°	-	-
		+4.85°	∠°	-	-
		+4.20°	∠°	-	-
		+4.16°	∠°	-	-
		+4.08°	∠°	-	-
		+2.67°	∠°	-	-
		+2.66°	∠°	-	-

		+2.66°	∠°	-	-
		+2.60°	∠°	-	-
		+2.56°	∠°	-	-
		+1.49°	∠°	-	-
		+1.18°	∠°	-	-
		+0.27°	∠°	-	-
		+0.25°	∠°	-	0° -30' (±21')
		+0.12°	∠°	0° -33' (±21')	-

Test and adjustment values for front axle camber

Number	Designation			MODEL 212.025/056/072 with CODEZ04	Model 212 AMG up to 11.2011, except 4MATIC
BE40.20-P-1001-13P	Camber at vehicle level	+5.80°	∠°	-	-
		+4.85°	∠°	-	-
		+4.20°	∠°	-	-
		+4.16°	∠°	-	-
		+4.08°	∠°	-	-
		+2.67°	∠°	-	-1,32' (±21')
		+2.66°	∠°	-	-
		+2.60°	∠°	-	-
		+2.56°	∠°	-	-
		+1.49°	∠°	-	-
		+1.18°	∠°	-	-
		+0.27°	∠°	0° -33' (±21')	-
		+0.25°	∠°	-	-
+0.12°	∠°	-	-		

Test and adjustment values for front axle camber

Number	Designation			Model 212 AMG as of 12.2011, except 4MATIC	Model 212 AMG with 4MATIC
BE40.20-P-1001-13P	Camber at vehicle level	+5.80°	∠°	-	-
		+4.85°	∠°	-	-
		+4.20°	∠°	-	-1,47' (±21')
		+4.16°	∠°	-	-
		+4.08°	∠°	-	-
		+2.67°	∠°	-1,32' (±21')	-
		+2.66°	∠°	-	-
		+2.60°	∠°	-	-
		+2.56°	∠°	-	-
		+1.49°	∠°	-	-
		+1.18°	∠°	-	-
		+0.27°	∠°	-	-
		+0.25°	∠°	-	-
+0.12°	∠°	-	-		

Test and adjustment values for front axle camber

Number	Designation			MODEL 218.3 except 4MATIC, except CODE 489	MODEL 218.9 except 4MATIC, except CODE 489
BE40.20-P-1001-13S	Camber at vehicle level	-1.16°	∠°	-	-
		-0.49°	∠°	-	-
		+0.18°	∠°	-	-
		+0.85°	∠°	-	-
		+1.08°	∠°	-0° 56' (±21')	-0° 56' (±21')
		+1.18°	∠°	-	-
		+1.52°	∠°	-	-
		+2.19°	∠°	-	-
		+2.59°	∠°	-0° 48' (±21')	-0° 48' (±21')
		+2.60°	∠°	-	-
		+2.67°	∠°	-	-

		+4.09°	∠°	-0° 38' (±21')	-0° 38' (±21')
		+4.16°	∠°	-	-
		+4.20°	∠°	-	-
		+5.80°	∠°	-	-

Test and adjustment values for front axle camber

Number	Designation			MODEL 218 except 4MATIC, with CODE 489	MODEL 218.3 with 4MATIC, except CODE 489
BE40.20-P-1001-13S	Camber at vehicle level	-1.16°	∠°	-	-0° 53' (±21')
		-0.49°	∠°	-	-
		+0.18°	∠°	-	-0° 50' (±21')
		+0.85°	∠°	-	-
		+1.08°	∠°	-0° 56' (±21')	-
		+1.18°	∠°	-	-
		+1.52°	∠°	-	-0° 45' (±21')
		+2.19°	∠°	-	-
		+2.59°	∠°	-0° 48' (±21')	-
		+2.60°	∠°	-	-
		+2.67°	∠°	-	-
		+4.09°	∠°	-0° 38' (±21')	-
		+4.16°	∠°	-	-
		+4.20°	∠°	-	-
+5.80°	∠°	-	-		

Test and adjustment values for front axle camber

Number	Designation			MODEL 218.9 with 4MATIC, except CODE 489	MODEL 218 with 4MATIC, with CODE 489
BE40.20-P-1001-13S	Camber at vehicle level	-1.16°	∠°	-	-
		-0.49°	∠°	-0° 51' (±21')	-0° 51' (±21')
		+0.18°	∠°	-	-
		+0.85°	∠°	-0° 48' (±21')	-0° 48' (±21')
		+1.08°	∠°	-	-
		+1.18°	∠°	-	-
		+1.52°	∠°	-	-
		+2.19°	∠°	-0° 43' (±21')	-0° 43' (±21')
		+2.59°	∠°	-	-
		+2.60°	∠°	-	-
		+2.67°	∠°	-	-
		+4.09°	∠°	-	-
		+4.16°	∠°	-	-
		+4.20°	∠°	-	-
+5.80°	∠°	-	-		

Test and adjustment values for front axle camber

Number	Designation			MODEL 218.3 AMG up to 11.2011	MODEL 218.3 AMG as of 12.2011 except 4MATIC
BE40.20-P-1001-13S	Camber at vehicle level	-1.16°	∠°	-	-
		-0.49°	∠°	-	-
		+0.18°	∠°	-	-
		+0.85°	∠°	-	-
		+1.08°	∠°	-	-
		+1.18°	∠°	-1° 39' (±21')	-1° 39' (±21')
		+1.52°	∠°	-	-
		+2.19°	∠°	-	-
		+2.59°	∠°	-	-
		+2.60°	∠°	-	-
		+2.67°	∠°	-1° 32' (±21')	-1° 32' (±21')
		+4.09°	∠°	-	-
		+4.16°	∠°	-1° 23' (±21')	-1° 23' (±21')

		+4.20°	∠°	–	–
		+5.80°	∠°	–	–

Test and adjustment values for front axle camber

Number	Designation			MODEL 218.9 AMG except 4MATIC	MODEL 218.3/9 AMG with 4MATIC
BE40.20-P-1001-13S	Camber at vehicle level	-1.16°	∠°	–	–
		-0.49°	∠°	–	-1° 33' (±21')
		+0.18°	∠°	–	–
		+0.85°	∠°	–	–
		+1.08°	∠°	–	–
		+1.18°	∠°	-1° 39' (±21')	–
		+1.52°	∠°	–	–
		+2.19°	∠°	–	–
		+2.59°	∠°	–	–
		+2.60°	∠°	–	-1° 53' (±21')
		+2.67°	∠°	-1° 32' (±21')	–
		+4.09°	∠°	–	–
		+4.16°	∠°	-1° 23' (±21')	–
		+4.20°	∠°	–	-1° 47' (±21')
+5.80°	∠°	–	-1° 39' (±21')		

Test and adjustment values for caster

Number	Designation	Model 218
BE40.20-P-1001-20E	Caster values, form	
	See	OF40.20-P-3000-00 EF

Test and adjustment values for caster

Number	Designation	Model 212
BE40.20-P-1001-20L	Caster values, form	
	See	OF40.20-P-3000-00 EW

Test and adjustment values for front axle camber

Number	Designation	Model 212.0 with code 485, except 4MATIC	Model 212.0 with code 485, with 4MATIC
BE40.20-P-1002-13P	Permissible difference in front axle camber between right and left side ∠° of vehicle	±0° 24'	±0° 24'

Test and adjustment values for front axle camber

Number	Designation	Model 212.0 with code 486/677, except 4MATIC	Model 212.0 with code 486/677, with 4MATIC
BE40.20-P-1002-13P	Permissible difference in front axle camber between right and left side ∠° of vehicle	±0° 24'	±0° 24'

Test and adjustment values for front axle camber

Number	Designation	Model 212.002 with code P25	Model 212.0/2 with code 482
BE40.20-P-1002-13P	Permissible difference in front axle camber between right and left side ∠° of vehicle	±0° 24'	±0° 24'

Test and adjustment values for front axle camber

Number	Designation	Model 212.0/2 with code 489, except 4MATIC	Model 212.0/2 with code 489, with 4MATIC
BE40.20-P-1002-13P	Permissible difference in front axle camber between right and left side Δ° of vehicle	$\pm 0^\circ 24'$	$\pm 0^\circ 24'$

Test and adjustment values for front axle camber

Number	Designation	Model 212.1 with code 482	Model 212.1 with code 485
BE40.20-P-1002-13P	Permissible difference in front axle camber between right and left side Δ° of vehicle	$\pm 0^\circ 24'$	$\pm 0^\circ 24'$

Test and adjustment values for front axle camber

Number	Designation	Model 212.2 with code 485, except 4MATIC	Model 212.2 with code 485, with 4MATIC
BE40.20-P-1002-13P	Permissible difference in front axle camber between right and left side Δ° of vehicle	$\pm 0^\circ 24'$	$\pm 0^\circ 24'$

Test and adjustment values for front axle camber

Number	Designation	Model 212.2 with code 486/677, except 4MATIC	Model 212.2 with code 486/677, with 4MATIC
BE40.20-P-1002-13P	Permissible difference in front axle camber between right and left side Δ° of vehicle	$\pm 0^\circ 24'$	$\pm 0^\circ 24'$

Test and adjustment values for front axle camber

Number	Designation	MODEL 212.025/056/072 with CODEZ04	Model 212 AMG up to 11.2011, except 4MATIC
BE40.20-P-1002-13P	Permissible difference in front axle camber between right and left side Δ° of vehicle	$\pm 0^\circ 24'$	$\pm 0^\circ 24'$

Test and adjustment values for front axle camber

Number	Designation	Model 212 AMG as of 12.2011, except 4MATIC	Model 212 AMG with 4MATIC
BE40.20-P-1002-13P	Permissible difference in front axle camber between right and left side Δ° of vehicle	$\pm 0^\circ 24'$	$\pm 0^\circ 24'$

Test and adjustment values for front axle camber

Number	Designation	MODEL 218.3 except 4MATIC, except CODE 489	MODEL 218.9 except 4MATIC, except CODE 489
BE40.20-P-1002-13S	Permissible difference in front axle camber between right and left side Δ° of vehicle	$\pm 0^\circ 24'$	$\pm 0^\circ 24'$

Test and adjustment values for front axle camber

Number	Designation	MODEL 218 except 4MATIC, with CODE 489	MODEL 218.3 with 4MATIC, except CODE 489
BE40.20-P-1002-13S	Permissible difference in front axle camber between right and left side Δ° of vehicle	$\pm 0^\circ 24'$	$\pm 0^\circ 24'$

Test and adjustment values for front axle camber

Number	Designation	MODEL 218.9 with 4MATIC, except CODE 489	MODEL 218 with 4MATIC, with CODE 489
BE40.20-P-1002-13S	Permissible difference in front axle camber between right and left side \sphericalangle° of vehicle	$\pm 0^\circ 24'$	$\pm 0^\circ 24'$

Test and adjustment values for front axle camber

Number	Designation	MODEL 218.3 AMG up to 11.2011	MODEL 218.3 AMG as of 12.2011 except 4MATIC
BE40.20-P-1002-13S	Permissible difference in front axle camber between right and left side \sphericalangle° of vehicle	$\pm 0^\circ 24'$	$\pm 0^\circ 24'$

Test and adjustment values for front axle camber

Number	Designation	MODEL 218.9 AMG except 4MATIC	MODEL 218.3/9 AMG with 4MATIC
BE40.20-P-1002-13S	Permissible difference in front axle camber between right and left side \sphericalangle° of vehicle	$\pm 0^\circ 24'$	$\pm 0^\circ 24'$

Test and adjustment values for caster

Number	Designation	Model 218
BE40.20-P-1002-20E	Permissible difference in caster between right and left side of vehicle \sphericalangle°	$\pm 30'$

Test and adjustment values for caster

Number	Designation	Model 212
BE40.20-P-1002-20L	Permissible difference in caster between right and left side of vehicle \sphericalangle°	$\pm 0^\circ 30'$

Test and adjustment values for caster

Number	Designation	Model 218
BE40.20-P-1003-20E	Absolute caster tolerance \sphericalangle°	$\pm 30'$

Test and adjustment values for caster

Number	Designation	Model 212
BE40.20-P-1003-20L	Absolute caster tolerance \sphericalangle°	$\pm 0^\circ 30'$

 Wheel control, hub

Number	Designation	Model 212 except 4MATIC	MODEL 212 with 4MATIC
BA33.20-P-1002-01O	Bolt, strut rod to integral support	Stage 1 Nm	120
		Stage 2 \sphericalangle°	180

 Wheel control, hub

Number	Designation	MODEL 218 except 4MATIC	MODEL 218 with 4MATIC
BA33.20-P-1002-01Q	Bolt, strut rod to front axle carrier	Stage 1 Nm	120
		Stage 2 \sphericalangle°	180

 Wheel control, hub

Number	Designation				Model 212 except 4MATIC	MODEL 212 with 4MATIC
BA33.20-P-1003-01O	Locknut (repair kit), strut rod to integral carrier	Stage 1	M14 × 1.5 × 11.9	Nm	100	100
		Stage 2		Δ°	180	180

 Wheel control, hub

Number	Designation				MODEL 218 except 4MATIC	MODEL 218 with 4MATIC
BA33.20-P-1003-01Q	Self-locking nut (repair kit), strut rod to front axle carrier	Stage 1	M14 × 120 × 11.9	Nm	100	100
		Stage 2		Δ°	180	180

 Wheel control, hub

Number	Designation				Model 212 except 4MATIC	MODEL 212 with 4MATIC
BA33.20-P-1005-01O	Bolt, cross strut to integral carrier	Stage 1		Nm	120	120
		Stage 2		Δ°	180	180

 Wheel control, hub

Number	Designation				MODEL 218 except 4MATIC	MODEL 218 with 4MATIC
BA33.20-P-1005-01Q	Screw/bolt, cross strut to front axle carrier	Stage 1		Nm	120	120
		Stage 2		Δ°	180	180

 Wheel control, hub

Number	Designation				Model 212 except 4MATIC	MODEL 212 with 4MATIC
BA33.20-P-1006-01O	Locknut (repair kit), cross strut to integral carrier	Stage 1	M14 × 120 × 11.9	Nm	100	100
		Stage 2		Δ°	180	180

 Wheel control, hub

Number	Designation				MODEL 218 except 4MATIC	MODEL 218 with 4MATIC
BA33.20-P-1006-01Q	Self-locking nut (repair kit), cross strut to front axle carrier	Stage 1	M14 × 120 × 11.9	Nm	100	100
		Stage 2		Δ°	180	180