

AR40.20-P-0263PW

Adjust camber and caster at the front axle

7.12.05

MODEL 211.08 /28

Camber

4 Lower transverse control arm

19b Nut

19c Repair bolt

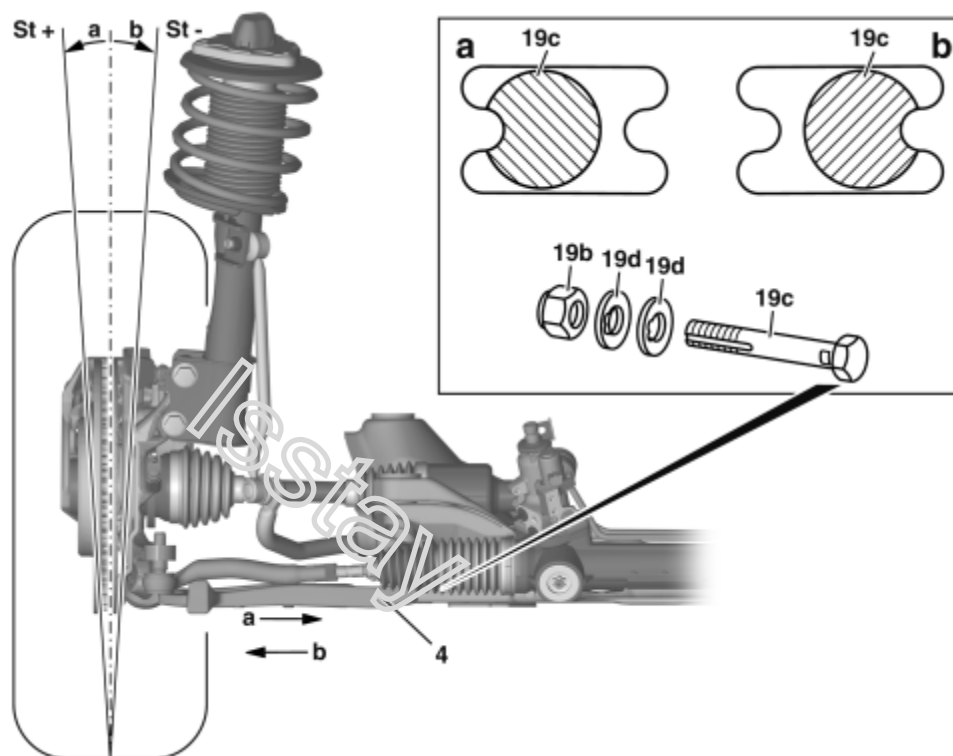
19d Shims

st + = Positive camber

st - = Negative camber

a The adjustment at the back of the lower transverse control arm towards the vehicle center causes a positive camber change

b The adjustment at the back of the lower transverse control arm towards the outside of the vehicle causes a negative camber change



P40.20-2149-06

Caster

4 Lower transverse control arm

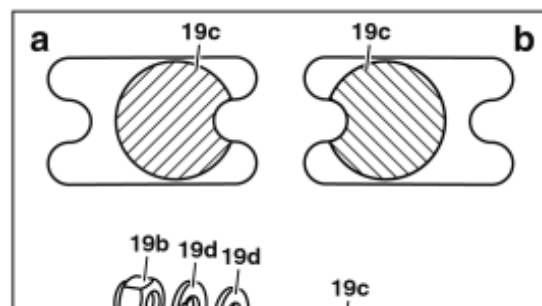
19b Nut

19c Repair bolt

19d Shims

NL = caster


a The adjustment at the front of the lower






transverse control arm towards the vehicle center causes an increase in caster

b The adjustment at the front of the lower transverse control arm towards the outside of the vehicle causes a reduction in caster

P40.20-2150-06

	Adjust		
1.1	Remove torsion bar on front axle	Model 211	AR32.20-P-0300TW
2	Install repair bolt (19c)	 Screw on nut (19b) until it abuts, but do not tighten yet so that the rubber mount of the lower transverse control arm (4) can twist when the vehicle is rocked to settle the suspension.	
		Model 211	AR40.20-P-0322-01VM
		Camber at vehicle level	
		Model 211	BE40.20-P-1003-13G
		Permissible difference in front axle camber between right and left sides of the vehicle	
		Model 211	BE40.20-P-1002-13G
		Check caster and assign to tabular value	
		Model 211	AR40.20-P-0322-03T
		Permissible difference in caster between	BE40.20-P-1001-20A

		right and left sides of the vehicle	
		Caster	BE40.20-P-1002-20A
3	Recheck vehicle level at front axle after adjusting the camber and caster.	 The vehicle level must correlate with the dimension established on the initial measurement.	
		Model 211	AR40.20-P-0301T
4	Tighten nut (19b)	 The repair bolt (19c) must not be turned after fixing. When tightening the nut (19b) counterhold the repair bolt (19c) otherwise the lock tabs in the rubber mount of the lower transverse control arm (4) will be sheared off.	
		Model 211	
			BA33.20-P-1010-01A
5.1	Install stabilizer bar on the front axle	Model 211	AR32.20-P-0300TW

Check values for front axle camber

Number	Designation	Models 211.08/28		
BE40.20-P-1002-13G	Permissible difference in front axle camber between right and left sides of the vehicle		4°	20'
BE40.20-P-1003-13G	Camber at vehicle level	+7.9°	4°	-0° (±10'/-30')
		+7.2°	4°	-0° 10' (±10'/-30')
		+6.5°	4°	-0° 15' (±10'/-30')
		+5.8°	4°	-0° 23' (±10'/-30')
		+5.1°	4°	-0° 30' (±10'/-30')
		+4.4°	4°	-0° 36' (±10'/-30')
		+3.7°	4°	-0° 43' (±10'/-30')
		+3.0°	4°	-0° 48' (±10'/-30')
		+2.3°	4°	-0° 54' (±10'/-30')

		+1.6°	4°	-1° 00' (±10'/-30')
		+0.9°	4°	-1° 06' (±10'/-30')
		+0.2°	4°	-1° 10' (±10'/-30')
		-0.5°	4°	-1° 15' (±10'/-30')
		-1.2°	4°	-1° 19' (±10'/-30')

Check and adjustment values for caster

Number	Designation		Model 211
BE40.20-P-1001-20A	Permissible difference in caster between right and left sides of the vehicle	4°	30'
BE40.20-P-1002-20A	Caster	See table	AR40.20-P-0322-03T

 Wheel location, hub

Number	Designation		Models 211.08/28
BA33.20-P-1010-01A	Self-locking nut, lower wishbone to front axle carrier	Nm	110