

Wheel Alignment

MERCEDES-BENZ SPECIFICATIONS & ADJUSTMENTS

TIRE INFLATION (COLD)

Before attempting to check or adjust wheel alignment, make sure tires are properly inflated. Refer to manufacturers specifications given in owner's manual.

CASTER

All Models – Test under loaded condition. Load vehicle with two 143 lb. weights on front seat, one 143 lb. weight on rear seat and full tank of gasoline. If caster is not to specifications, loosen lock nut of eccentric bolt on front side of lower control arm. To adjust, rotate eccentric bolt until caster angle is to specifications. Hold eccentric bolt in place and tighten lock nut.

CAMBER

All Models – Test under loaded condition. Load vehicle with two 143 lb. weights on front seat, one 143 lb. weight on rear seat and full tank of gasoline. If camber is not to specifications, loosen lock nut of eccentric bolt on rear side of lower control arm. To adjust, rotate eccentric bolt until camber is within specifications. Hold eccentric bolt in place and tighten lock nut.

TOE-IN

All Models – Place wheels in straight-ahead position. If toe-in is not to specifications, adjust by loosening locknuts on outer steering links and rotating links to obtain specified toe-in. Make sure steering links (tie-rods) are adjusted equally.

WHEEL ALIGNMENT SPECIFICATIONS					
Application	Caster (Degrees)	Camber (Degrees)	Toe-In (Inches)	Toe-Out On Turns (Degrees)	
				Inner	Outer
230,240,280 & 300 Series	⊙ $3\frac{2}{3} \pm \frac{1}{3}$	$\frac{1}{6} \pm \frac{1}{4}$	$\frac{5}{64}$ to $\frac{5}{32}$
450 SE & SEL	$10 \pm \frac{1}{2}$	$-\frac{1}{6} \pm \frac{1}{6}$	$\frac{5}{64}$ to $\frac{5}{32}$
450 SL & SLC	$3\frac{2}{3} \pm \frac{1}{3}$	$-\frac{1}{12} \pm \frac{1}{4}$	$\frac{3}{64}$ to $\frac{1}{8}$

⊙ – With manual steering set to $2\frac{2}{3} \pm \frac{1}{3}^\circ$.