

Wheel Alignment

BMW SPECIFICATIONS & ADJUSTMENTS

TIRE INFLATION (COLD)

Before attempting to check or adjust wheel alignment, ensure tires are properly inflated. The 2002 series requires 26 psi front and rear. The 3.0 series requires 30 psi front and rear. The 530 i series requires 28 psi front and 26 psi rear.

CASTER & CAMBER

All Models – Before checking caster and camber, vehicle must be in loaded condition. Loaded condition consists of two 143 lbs. weights on front seat, one 143 lbs. weight on rear

seat, gas tank full and 66 lbs. on left side of luggage compartment. If caster and camber are not within specifications check suspension for damage. Repair or replace parts as necessary.

TOE-IN

All Models – Before checking toe-in, vehicle must be in loaded condition (see Caster & Camber). Check toe-in with front wheels in straight-ahead position. If not within specifications, loosen tie rod clamping bolts. Rotate both tie rod tubes until toe-in is within specifications. Tighten clamping bolts.

WHEEL ALIGNMENT SPECIFICATIONS					
Application	Caster (Degrees)	Camber (Degrees)	Toe-In (Inches)	Toe-Out On Turns (Degrees)	
				Inner	Outer
2002					
Front	$4 \pm \frac{1}{2}$	$\frac{1}{2} \pm \frac{1}{2}$	$\frac{3}{64}$ to $\frac{3}{32}$	.....	.....
Rear	.....	$-2 \pm \frac{1}{2}$	0 to $\frac{1}{8}$	.....	.....
3.0 si					
Front	$9\frac{2}{3} \pm \frac{1}{2}$	$\frac{1}{2} \pm \frac{1}{2}$	0 to $\frac{3}{32}$	.....	.....
Rear	.....	-2	0 to $\frac{3}{64}$	.....	.....
530 i					
Front	$7\frac{2}{3} \pm \frac{1}{2}$	$\frac{1}{2} \pm \frac{1}{2}$	$\frac{3}{64}$ to $\frac{3}{32}$	.....	.....
Rear	.....	$-2 \pm \frac{1}{2}$	0 to $\frac{3}{64}$	.....	.....