

Wheel Alignment

BMW

ADJUSTMENT

TIRE INFLATION (COLD)

Before attempting to check or adjust wheel alignment, ensure tires are properly inflated. The 320i series requires 27 psi front and rear. The 530i series requires 28 psi front and 26 psi rear.

The 633CSi series require 33 psi in front tires and 31 psi in rear tires. The 733i models require 32 psi in front and rear tires.

CASTER & CAMBER

All Models — Before checking caster and camber, vehicle must be in loaded condition. Refer to table for correct loading of vehicle. If caster or camber are not within specifications, check suspension components for damage.

Vehicle Loading Table

Application	⓪Lbs. (kg)
Each Front Seat	150 (68)
Rear Seat	150 (68)
Luggage Compartment	46 (21)

⓪ — Fuel tank full.

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.

CAPRI

ADJUSTMENT

TIRE INFLATION (COLD)

Before attempting to check or adjust wheel alignment, make sure that tires are properly inflated. Refer to manufacturers specifications, located inside glove box door.

CASTER

All Models — Caster is nonadjustable. If not within specifications, check front suspension for damage. Repair or replace parts as necessary.

CAMBER

All Models — Camber is nonadjustable. If not within specifications, check front suspension for damage. Repair or replace parts as necessary.

TOE-IN

All Models — Position wheels in straight-ahead position and loosen tie rod end lock nut and clips securing bellows. To adjust toe-in, rotate tie rods until specifications are within limits. Tighten lock nuts and secure clips. Tie rods lengths should be equal within 1/4".

COURIER

ADJUSTMENT

TIRE INFLATION

Before attempting caster or camber adjustments, ensure tires are correctly inflated. Specifications are located on glove box door; especially consider radial tires, they require a different pressure than conventional tires.

NOTE — Vehicle must be unloaded, except fuel, water, and oil should be at their proper levels.

CASTER

To correct caster, adjust shims between upper control arm and frame or turn control arm shaft until correct angle is obtained (see specifications).

CAMBER

The camber is adjusted by adding or subtracting shims between the upper control arm and frame. Shims are available in the

following sizes: .039", .063", .079", and .126". Set camber to specifications as shown in chart.

TOE-IN

1) Raise vehicle until front wheels clear ground. Turn wheel by hand and scribe a line in center of each tire tread. Measure distance between marked lines in front of front wheel and at rear of front wheel. Both measurements must be taken at equal distances from ground.

2) If distance between wheels at rear is greater than that at front, but within specifications, adjustment is correct. If adjustment is wrong, loosen clamp bolts and adjust tie rod to specifications.

NOTE — Tighten clamping bolts with bolts horizontal and below steering link to prevent interference with center steering link.