

Wheel Alignment

MAZDA SPECIFICATIONS & ADJUSTMENTS

TIRE INFLATION (COLD)

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

CASTER

808 & RX3 — Caster is not adjustable. If caster angle is not to specifications, inspect suspension for wear or damage and repair or replace components as necessary.

RX4 — Caster and camber angles can be adjusted by changing position of the shock absorber support. To adjust, remove four nuts attaching shock absorber support to fender apron. Raise front of vehicle and support with jack stands, then remove wheel on side to be adjusted. Press shock absorber downward and change position of support according to following table and illustration. Tighten shock absorber support attaching nuts. Install wheel, lower vehicle and recheck caster and camber angles.

RX4 Caster & Camber Adjustment			
Adjustment		Variation	
	Shock Absorber Support	Caster	Camber
A	0°	0	0
B	90°	½°	0
C	180°	½°	½°
D	-90°	0	½°

Pickup — To adjust, change shims between upper arm shaft and support bracket or turn upper arm shaft until specifications are obtained.

CAMBER

808 & RX3 — Camber is not adjustable. If camber angle is not to specifications, inspect suspension for wear or damage and repair or replace components as necessary.

RX4 — See procedure given under Caster adjustment.

Pickup — To adjust, change shims between upper arm shaft and support bracket until specifications for camber are within limits.

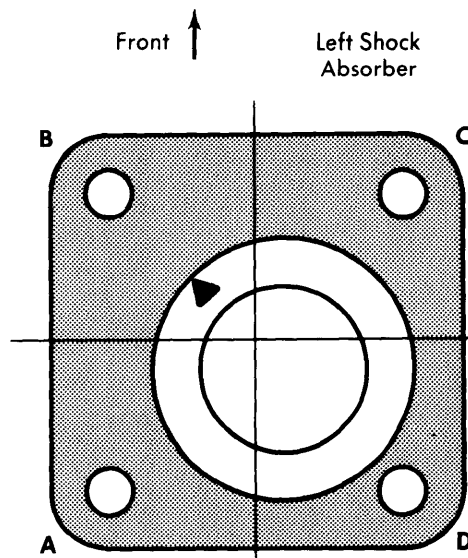


Fig. 1 RX4 Caster & Camber Adjusting Pad
(Position "B" Shown)

TOE-IN

All Models — Position wheels to center position and loosen tie rod locking nuts at each end of tie rod. Check that tie rod ends are in the same position on each rod ensuring that the tie rods are the same length. Turn tie rods by equal amounts until the toe-in is within specifications. Tighten locking nuts.

WHEEL ALIGNMENT SPECIFICATIONS					
Application	Caster (Degrees)	Camber (Degrees)	Toe-In (Inches)	Toe-Out On Turns (Degrees)	
				Inner	Outer
808	$1\frac{1}{2} \pm \frac{3}{4}$	$\frac{3}{4} \pm 1$	0 to $\frac{1}{4}$	41.5	33.5
RX3	$2 \pm \frac{3}{4}$	1 ± 1	0 to $\frac{1}{4}$	42	34.5
RX4	$2 \pm \frac{3}{4}$	1 ± 1	0 to $\frac{1}{4}$	37	29
Pickup					
B1600	$1 \pm \frac{1}{3}$	$1\frac{1}{3} \pm \frac{1}{3}$	0 to $\frac{1}{4}$	35	33
Rotary	$1\frac{1}{5} \pm \frac{1}{3}$	$\frac{1}{4} \pm \frac{1}{3}$	0 to $\frac{1}{4}$	33	32.5