

Wheel Alignment

GENERAL MOTORS

ALL MODELS

NOTE: Difference in shim packs must not exceed .30" (7.62 mm). Front shim pack must be .10" (2.54 mm) minimum.

CASTER

All Models (Exc. 4-WD)

1) Measure frame angle directly behind cab using a bubble protractor or inclinometer. Determine existing caster. Determine difference between frame angle and caster angle.

- A down-in-rear, frame angle must be added to a positive caster angle.
- An up-in-rear frame angle must be subtracted from a positive caster specification.
- A down-in-rear frame angle must be subtracted from a negative caster specification.
- An up-in-rear frame angle must be added to a negative caster specification.

2) Measure distance from top of jounce bumper bracket on lower control arm to bottom of frame crossmember. To increase caster, add shims between

forward upper control arm attaching bolt and frame, or subtract shims from rear attaching bolt. To decrease caster, subtract shims from forward bolt, or add shims to rear bolt.

4-WD Models

On 4-wheel drive models, caster is built-in at factory and no adjustment is provided. If not within limits, replace parts as required.

CAMBER

All Models (Exc. 4-WD)

Camber is changed by adding or subtracting shims from between upper control arm shaft and frame bracket. Adding an equal number of shims at both front and rear of cross shaft will decrease positive camber.

4-WD Models

On 4-wheel drive models, camber is built-in at factory and no adjustment is provided. If not within limits, replace parts as required.

NOTE: By adding or subtracting equal amounts of shims, camber may be corrected without affecting caster.

JEEP

ALL MODELS

CAMBER

Correct wheel camber of 0° for all models is preset at time of manufacture and cannot be adjusted. If correctly set, replace parts as required.

CASTER

Correct caster is preset at factory to 6° for CJ and Scrambler models, and 4° for all other models. Adjustment is made by inserting shim between spring and axle. To increase caster, insert thick portion toward rear of vehicle. To decrease caster, insert thick portion toward front of vehicle.

TURNING ANGLE ADJUSTMENT

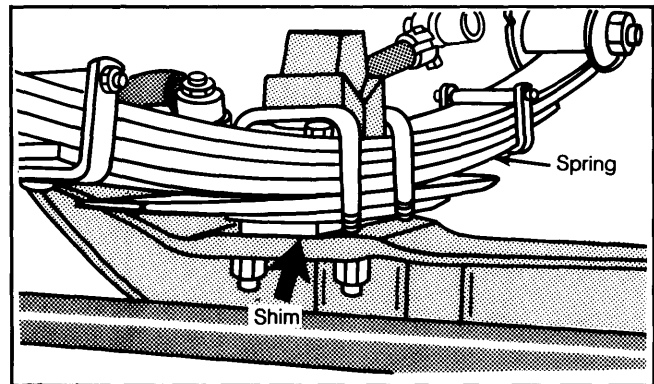
1) The turning angle stop screws are located on back side of steering knuckle, just above axle centerline. To adjust, loosen lock nut on stop screw.

2) Using full-floating turn table under each wheel, adjust stop screw IN to increase turning angle and OUT to decrease turning angle. Tighten lock nut.

Turning Angle Adjustment

Application	Left Wheel	Right Wheel
CJ5	29°	29°
CJ7 & Scrambler	32°	32°
All Others	36-37°	36-37°

Fig. 1: Caster Adjustment



To adjust, insert shim between spring and axle.