

GENERAL MOTORS (Cont.)

determine existing caster. Combine frame angle with caster angle to determine corrected caster angle as follows:

- A) – If frame is down in rear, frame angle must be subtracted from positive caster angle.
- B) – If frame is down in rear, frame angle must be added to negative caster angle.

- 2) Measure distance from top of jounce bumper bracket on lower control arm to bottom of frame crossmember. Determine correct caster angle for measured clearance and adjust. 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.

INTERNATIONAL HARVESTER

ALL MODELS

CAMBER

Camber is preset at factory, and no adjustment is provided. If not within limits, replace parts as necessary to correct.

CASTER

Caster specifications are based on a vehicle design load, therefore frame must be level when caster is adjusted. Caster

adjustment is accomplished by inserting a wedge between the spring and axle. To increase caster, insert wedge with thick portion toward rear of vehicle. To decrease caster, insert wedge with thick portion toward front of vehicle.

NOTE – Possible causes of incorrect caster are sagging springs, bent or twisted axle or unequally tightened spring "U" bolts. In most cases, a twisted axle would be at fault if caster varies more than $\frac{1}{2}^\circ$ between left and right.

JEEP

ALL MODELS

CAMBER

Correct wheel camber of $1\frac{1}{2}^\circ$ for CJ models and 0° for Cherokee, Wagoneer and Truck models is preset at time of manufacture and can not be adjusted. If not within limits, replace parts as required.

CASTER

Correct caster is preset at factory to 3° for CJ 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.

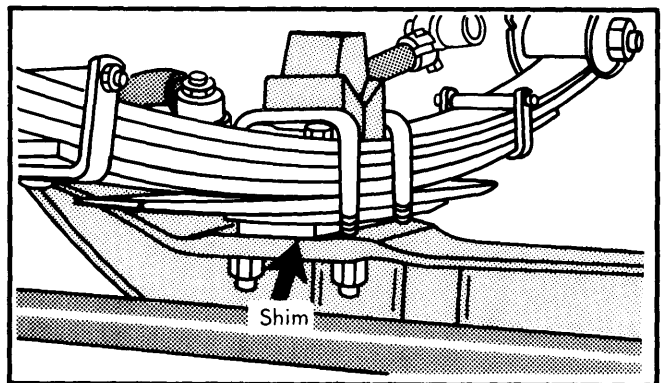


Fig. 1 Caster Adjustment

Turning Angle Adjustment		
Application	Left Wheel	Right Wheel
CJ	31-32°	31-32°
All Others	37-38°	37-38°