

# Wheel Alignment

## INTERNATIONAL HARVESTER

### IHC (W/LEAF SPRINGS)

#### 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 wedge between spring and axle. To increase caster, insert wedge with thick portion toward rear of vehicle. To decrease caster, insert wedge with thick portion of wedge toward front of vehicle.

### IHC (W/TORSION BARS)

#### RIDING HEIGHT

Riding height is measured between top edge of lower control arm and bottom edge of frame mounted rubber bumper bracket. If riding height is not within limits, adjust by loosening or tightening torsion bar retainer lever bolts, until height is within limits and side-to-side difference is less than  $\frac{1}{8}$ ".

#### CAMBER

Camber is controlled by eccentric bolt which mounts lower control arm to frame. To adjust, loosen eccentric bolt lock nut, and turn eccentric bolt. To increase camber, turn eccentric bolt to pull lower control arms inward. To decrease camber, turn eccentric bolt to force lower control arms outward.

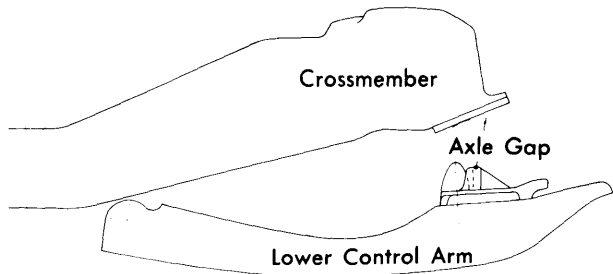
#### CASTER

Caster is controlled by length of lower control arm-to-frame strut rod. Adjustment is accomplished by loosening both inner and outer strut rod retaining nuts. To increase caster, turn inner strut rod nut to lengthen strut rod, then tighten outer nut. To decrease caster, tighten outer strut rod nut to shorten strut rod, then tighten inner nut.

### IHC (W/COIL SPRINGS)

#### AXLE GAP

Axle gap is clearance between top ridge of axle stop bracket and stop plate on underside of frame crossmember. Measure axle gap prior to making any alignment adjustments, as caster and camber are determined by axle gap.



MEASURING AXLE GAP

4IH16

#### CAMBER

Camber is controlled by eccentric bolts which mount upper control arm to frame. To increase camber, loosen eccentric bolt lock nuts and turn both bolts an equal amount to force upper control arm outward. To decrease camber, turn both bolts an equal amount to pull upper control arm inward. *NOTE* — Turning both bolts an equal amount will change camber without affecting caster. Tighten eccentric bolt lock nuts to 65-75 ft. lbs.

#### CASTER

Caster is controlled by eccentric bolts which mount upper control arm to frame. To obtain positive caster, loosen forward eccentric bolt lock nut and turn eccentric bolt to force forward part of control arm outward, or loosen rear eccentric bolt lock nut and turn eccentric bolt to pull rear of control arm inward. To obtain negative caster, loosen eccentric bolt lock nut and turn forward eccentric bolt to pull front part of control arm inward, or loosen rear eccentric bolt lock nut and turn bolt to force rear of control arm outward. Tighten eccentric bolt lock nut to 65-75 ft. lbs.