

## 1965-69 GENERAL MOTORS LEAF SPRING TYPE

Chevrolet (1965-69)  
GMC (1965-69)

**NOTE** — Some models use other units. See General Motors Coil Spring Type in this Section.

### DESCRIPTION

"1" beam axle, with conventionally mounted semi-elliptical springs and transversely mounted stabilizer bar, is of reverse Elliot type. Axle incorporates integrally forged spring and steering stop seats. Solid, constant diameter kingpins are mounted in full-floating, glass filled, polycarbonate steering knuckle bushings. Hydraulic shock absorbers are direct-acting type, mounted between frame side rail and bracket on axle assembly.

### ADJUSTMENT

#### STEERING STOP SCREW

See *Steering Stop Screw* in *STEERING* Section.

#### WHEEL ALIGNMENT SPECIFICATIONS & PROCEDURES

See *Wheel Alignment Specifications & Procedures* in *WHEEL ALIGNMENT* Section.

### WHEEL BEARING ADJUSTMENT

See *Wheel Bearing Adjustment* in *WHEEL ALIGNMENT* Section.

### REMOVAL & INSTALLATION

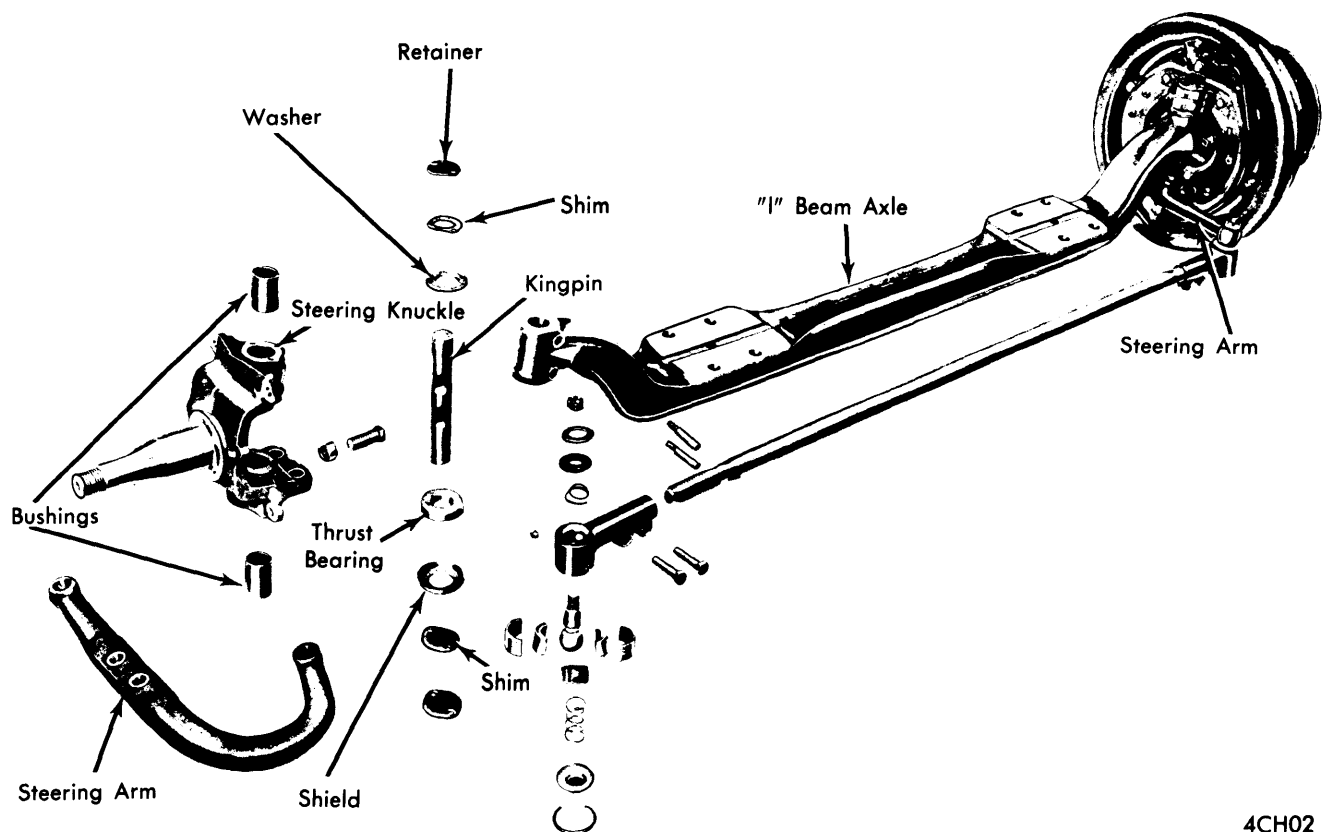
#### SHOCK ABSORBERS

**Removal** — Remove nuts and eye bolts attaching upper and lower ends of shock absorber, and remove shock absorber from vehicle.

**Installation** — Position shock absorber over mounting bolts and install eye bolts. Tighten all nuts and bolts.

#### STEERING KNUCKLE

**Removal** — Raise vehicle and support on safety stands. Remove wheel. Remove dust cap from hub, then remove bearing adjusting nut and hub from vehicle. Remove brake backing plate attaching bolts and support backing plate to prevent damage to brake hose. Disconnect steering arm from knuckle and swing steering arm and tie rod out of way. Remove upper and lower kingpin dust caps (if equipped), and remove kingpin lock pin. Tap kingpin out of axle and knuckle, and remove knuckle, shim, thrust washers or bearings, and shield from vehicle. Inspect parts for distortion, scoring, and excessive wear. Replace defective parts as necessary. See *Kingpin Replacement*.

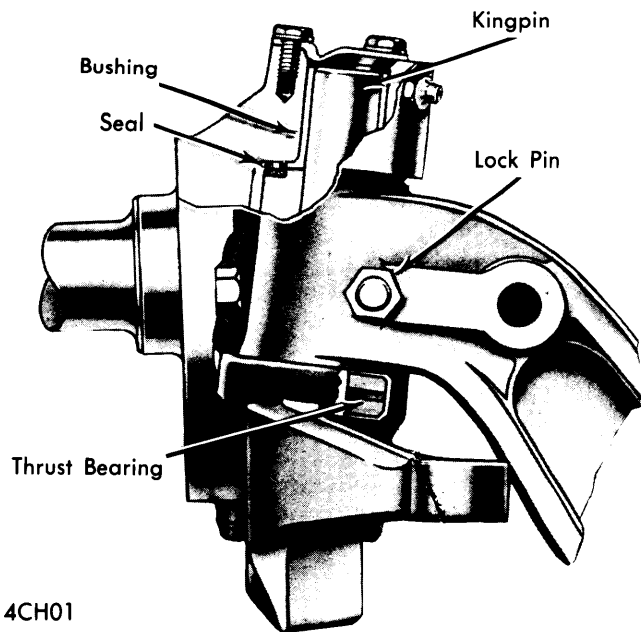


FRONT AXLE ASSEMBLY

4CH02

# Front Suspension

## 1965-69 GENERAL MOTORS LEAF SPRING TYPE (Cont.)



4CH01

**STEERING KNUCKLE (TYPICAL)**

**Installation** — To install, reverse removal procedure, making sure camber, kingpin clearance, and wheel bearing adjustment are correct. See *Kingpin Replacement, Wheel Alignment, and Wheel Bearing Adjustment*.

### KINGPIN BUSHINGS

**Removal** — With steering knuckle removed from vehicle, remove bushings from steering knuckle. **NOTE** — *Bushings are Delrin type and may be pushed from knuckle by hand.* Clean bushing bores in steering knuckle using medium grit abrasive cloth.

**Installation** — Lubricate bushing O.D., and install bushings into steering knuckle. On all models, except G20-2500, lubricate new "O" ring seal and install in upper knuckle bore under bushing. Install steering knuckle on vehicle. See *Steering Knuckle Removal & Installation*. Place a jack under steering knuckle and raise knuckle until clearance between knuckle lower yoke and axle end is eliminated. Measure clearance between knuckle upper yoke and axle end. Add or subtract shims until clearance is less than .005" (.003-.008" on G20-2500). Tighten all nuts and bolts.