

# Rear Suspension

## CHEVETTE & T1000

### DESCRIPTION

The solid rear axle is connected to chassis through 2 tubular control arms, a tie rod and a bracket at front end of axle extension. Coil springs are used to support the rear axle, while damping is provided by 2 tubular shock absorbers. The axle extension functions as a short torque tube. A stabilizer bar is also used on some models.

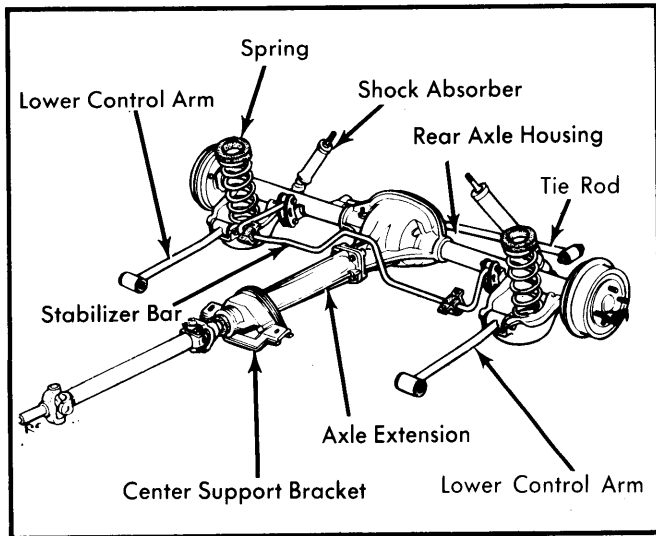


Fig. 1 Chevette & T1000 Rear Suspension Assembly

### ADJUSTMENT

#### RIDING HEIGHT

See Riding Height Adjustments and Specifications in WHEEL ALIGNMENT Section.

### REMOVAL & INSTALLATION

#### COIL SPRING

**Removal** — 1) Raise vehicle and support axle with suitable lifting device. Disconnect both shock absorbers from lower brackets.

2) Remove rear axle extension as follows: Disconnect propeller shaft from companion flange, then remove flange from transmission. Place jack stand under front of extension.

**CAUTION** — Extension must be supported safely to avoid possible injury when it is disconnected.

3) Disconnect center support bracket from underbody. Disconnect extension housing flange from axle housing. Lower axle and remove springs and spring insulators, use care not to stretch rear brake hose.

**Installation** — To install, reverse removal procedure.

#### STABILIZER BAR (IF EQUIPPED)

**Removal & Installation** — Raise vehicle and remove bolts securing stabilizer to brackets and link. Remove stabilizer bar. To install, reverse removal procedure.

#### LOWER CONTROL ARM

**NOTE** — If both control arms are to be replaced, remove and replace one arm at a time to prevent axle from rolling or slipping sideways.

**Removal** — Raise vehicle and support rear axle. Disconnect stabilizer bar (if equipped). To remove control arm, remove front and rear attaching bolts and remove arm. To remove tie rod, remove attaching bolts and rod.

**Bushing Replacement** — To replace bushings, use appropriate tools to press bushings out of control arm or tie rod. Inspect for distortion and burrs. Press new bushings into place.

**Installation** — When installing control arm and/or tie rod, do not tighten bolts until vehicle is resting at riding height. Reattach stabilizer bar (if equipped), remove axle support and lower vehicle. Tighten pivot bolts.

### TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (N·m)
Lower Control Arm Pivot Bolts .....	33 (45)
Shock Absorber Upper Mounts .....	7 (10)
Shock Absorber Lower Mounts .....	21 (28)
Tie Rod Pivot Bolts	
At Body Bracket .....	67 (90)
At Axle Bracket .....	34 (46)
Stabilizer Bar Brackets .....	15 (20)
Propeller Shaft-to-Companion Flange .....	16 (22)
Center Support Bracket-to-Axle .....	37 (50)
Extension Housing Flange-to-Axle .....	50 (68)
Rubber Cushion Housing-to-Extension .....	15 (20)