

Rear Suspension

OMNI & HORIZON

DESCRIPTION

Rear suspension is trailing arm independent type with integral anti-sway bar. Spindles are attached to two trailing arms that extend rearward from mounting points on body.

A crossmember is welded between trailing arms, providing anti-sway bar stabilizing for rear suspension. Coil springs surrounding shock absorbers are used.

ADJUSTMENTS

WHEEL BEARINGS

Tighten adjusting nut to 240-300 INCH Lbs. while rotating wheel. Stop rotation and back off adjusting nut 1/4 turn. Finger tighten adjusting nut while again rotating wheel. Position nut lock with 1 pair of slots in line with cotter pin hole. Install cotter pin. This adjustment should provide .0001-.002" end play.

REMOVAL & INSTALLATION

SHOCK ABSORBERS & COIL SPRINGS

Removal — Locate protective cap, covering shock absorber, inside of vehicle over rear wheel well. Remove mounting nut and isolator. Hoist vehicle and remove bottom shock absorber mount bolt. Remove spring and shock absorber from trailing arm bracket.

Installation — To install, reverse removal procedure.

REAR AXLE ASSEMBLY

Removal — 1) Hoist vehicle and remove wheels and tires. Remove brake line fittings and retaining clips holding flex brake line.

2) Release parking brake cables from brake connectors. Remove grease cap, cotter pin, nut lock, adjusting nut and brake drum. Remove 4 brake assembly and spindle retaining bolts. Remove spindle. Wire brake assembly out of way.

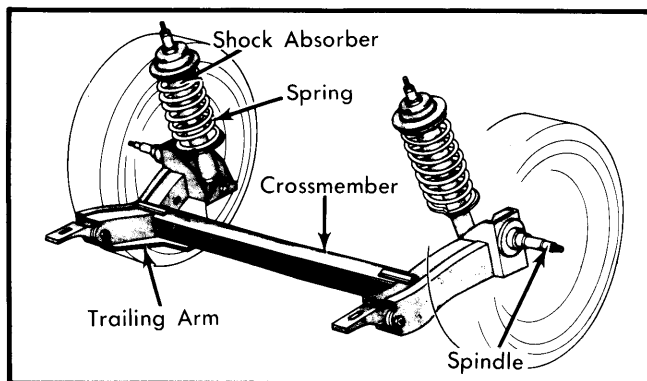


Fig. 1 Rear Suspension Omni & Horizon

3) Place jacks under rear crossmember to support rear suspension. Remove shock absorber mounting bolts. Remove trailing arm-to-hanger bracket mounting bolts, and remove trailing arm.

Installation — To install, reverse removal procedures.

NOTE — Brake system must be bled and readjusted.

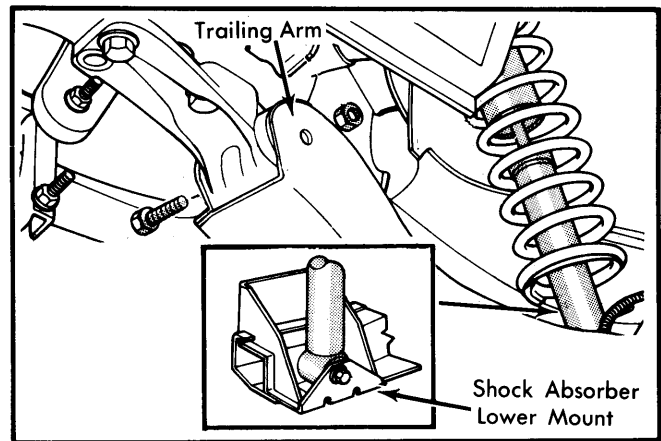


Fig. 2 Trailing Arm and Shock Absorber Installation

WHEEL BEARINGS

Removal — Raise vehicle and support off floor. Remove grease cap, cotter pin, nut lock and bearing adjusting nut. Remove thrust washer and outer bearing cone. Slide drum off spindle. Carefully drive out inner seal and remove bearing cone with 3/4" diameter non-metallic rod.

Installation — Seat new bearing cup against shoulder of hub. Force lubricant between all bearing cone rollers. Install inner cone and new seal. Face lip of seal inward. Position seal flush with end of hub. Clean spindles and apply a light coat of wheel bearing lubricant to polished surfaces. Install drum on spindle and install outer bearing cone, thrust washer, and adjusting nut. Install wheel and tire and lower vehicle.

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (N·m)
Trailing Arm-to-Hanger Nuts	40 (54)
Shock Absorber	
Upper	20 (27)
Lower	40 (54)