

MAZDA PICKUP

B1800

DESCRIPTION

Independent type suspension, consisting of upper and lower control arms and wheel spindle mounted between upper and lower arms by means of ball joints. Upper control arm pivots on a shaft attached to frame, lower control arm pivots on a shaft mounted to crossmember. A coil spring is mounted between lower control arm and frame. Shock absorber is hydraulic double action type, mounted between lower control arm and frame inside coil spring. A stabilizer bar is also incorporated which connects to the lower control arm on each side by bushings and links.

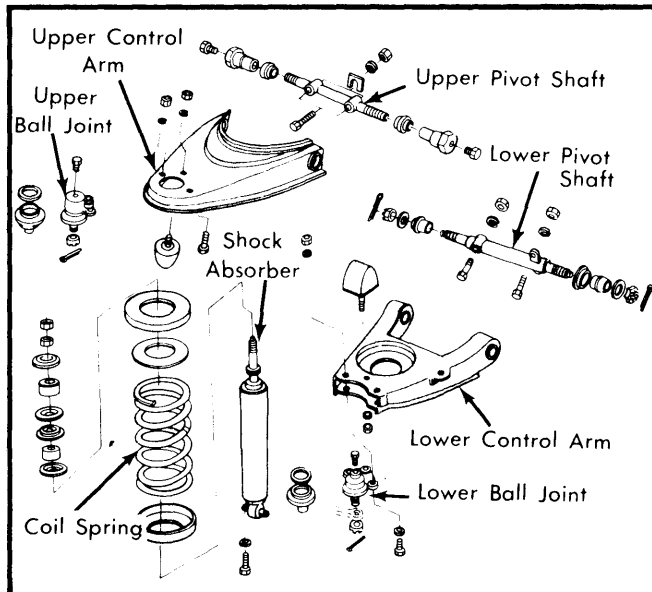


Fig. 1 Exploded View of Front Suspension Assembly for Component Identification

ADJUSTMENTS

WHEEL ALIGNMENT SPECIFICATIONS & PROCEDURES

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

WHEEL BEARING ADJUSTMENT

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

BALL JOINT CHECKING

See *Ball Joint Checking* in *WHEEL ALIGNMENT* section.

REMOVAL & INSTALLATION

SHOCK ABSORBERS

Removal – Remove nut, rubber bushing and washer attaching upper end of shock absorber to crossmember. Remove lower retaining bolts holding shock absorber to lower control arm, and remove shock absorber from vehicle.

Installation – Reverse removal procedure and tighten mounting bolts.

COMPLETE SUSPENSION ASSEMBLY

Removal – 1) Raise and support front of vehicle with safety stands placed just behind lower control arms. Remove front wheel. Remove shock absorber.

2) Detach upper ball joint from steering knuckle. From under hood, remove upper control arm retaining bolts and nuts, noting number and position of alignment shims. Remove upper control arm from vehicle.

3) Remove 3 nuts and bolts holding ball joint to upper control arm and remove ball joint.

4) Remove stabilizer bar retaining nut, washers and bushings. Detach stabilizer bar from lower control arm.

5) Position floor jack under lower control arm and raise arm to relieve pressure. Using suitable tool, compress coil spring, then detach lower ball joint from steering knuckle.

6) Lower floor jack under lower control arm and remove coil spring from vehicle. Remove 2 lower control arm retaining bolts and remove arm from vehicle. Remove ball joint from lower control arm.

Installation – To install, reverse removal procedure.

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (mkg)
Ball Joint-to-Knuckle	51-65 (7.0-9.0)
Ball Joint-to-Lower Cont. Arm	60-70 (8.8-9.7)
Control Arm-to-Frame (Both)	54-69 (7.5-9.5)