

TOYOTA CELICA

Celica

DESCRIPTION

Coil spring type suspension utilizing upper and lower control arms as pivot supports. Coil springs are mounted between axle housing and chassis member. Shock absorbers are connected to axle housing at bottom and to chassis members at top. A side strut rod is mounted to rear side of axle and runs parallel with axle to mount at side of body.

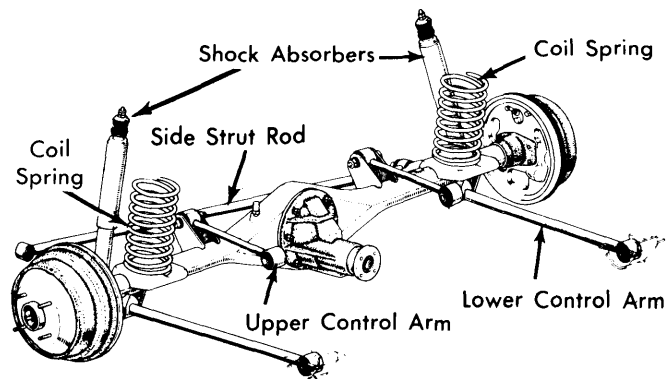


Fig. 1 Celica Rear Suspension Assembly

REMOVAL & INSTALLATION

SHOCK ABSORBERS

Removal — Raise vehicle and place safety stands under axle housing. Remove nut from upper shock absorber mounting stud. Remove bolt from lower mount and remove shock absorber from vehicle.

Installation — Reverse removal procedure for installation. Tighten all bolts and nuts to specifications.

COIL SPRINGS

Removal — Place a jack under center of axle housing. Raise vehicle and place safety stands under body. Disconnect shock absorber lower mount. Release jack until axle housing is at bottom of travel and remove coil springs and insulator.

Installation — Reverse removal procedure for installation.

CONTROL ARMS

Removal — Remove coil spring as previously outlined. Remove pivot bolt attaching control arm to axle housing. Raise axle housing and remove pivot bolt attaching control arm to body. Bushings in control arms are replaceable. Press out of control arm using a suitable mandrel. Use same mandrel for installing bushing.

Installation — Reverse removal procedure for installation. Tighten pivot bolts and adjust riding height.

SIDE STRUT ROD

Removal — Remove coil springs as previously outlined. Remove cotter pin and nut from axle housing mount. Raise axle housing and remove nut and washer at body mount. Bushings in side strut rod are replaceable. Press out using a suitable mandrel. Install using same mandrel.

Installation — Reverse removal procedure for installation. Tighten nuts and adjust riding height.

TIGHTENING SPECIFICATIONS

| Application | Ft. Lbs. (mkg) |
|----------------------------------|--------------------|
| Shock Absorber Upper Mount | 14-22 (1.9-3.0) |
| Shock Absorber Lower Mount | 26-33 (3.6-4.5) |
| Control Arm Pivot Bolts | 72-108 (10.0-15.0) |
| Side Strut Rod-to-Axle | |
| Housing Nut | 25-40 (3.5-5.5) |
| Side Strut Rod-to-Body | |
| Mount Nut | 51-65 (7.0-9.0) |