

## TOYOTA TERCEL

### DESCRIPTION

Rear suspension is independent, coil spring type. Trailing arms are mounted by 2 bushings and pivot bolts to suspension crossmember, and supported by coil springs and shock absorber. Stabilizer bar attaches to crossmember and trailing arm.

### ADJUSTMENTS

#### WHEEL ALIGNMENT SPECIFICATIONS & PROCEDURES

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

#### WHEEL BEARING ADJUSTMENT

Tighten adjusting nut to 22 ft. lbs. (30 N.m). Loosen nut until it can be turned by hand. Retighten nut to 22 ft. lbs. (30 N.m). Again loosen nut until it can be turned by hand. Using only a socket and your hand, tighten adjusting nut as tight as possible. Back off nut ½ turn. Rotate drum several times to make sure there is no brake drag. Measure rotational force. Rotational force should be 0.8-1.9 lbs. (.36-.86 kg). Tighten nut until correct rotational force is obtained.

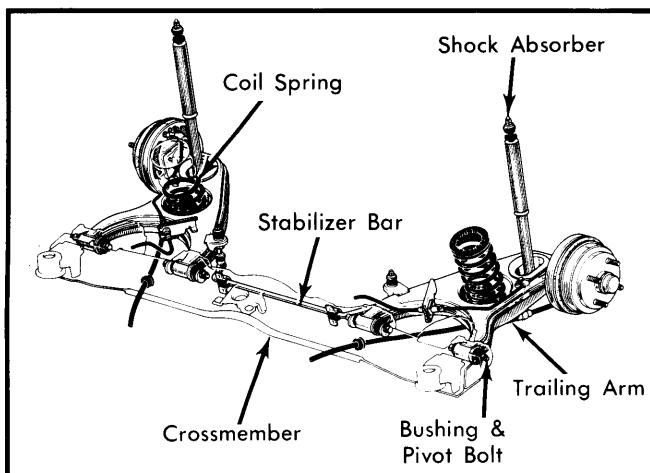


Fig. 1 Assembled View of Tercel Rear Suspension

### REMOVAL & INSTALLATION

#### SHOCK ABSORBER & COIL SPRING

**Removal** — 1) Raise and support rear of vehicle. Remove tire and wheel. Support trailing arm with a jack.

2) Remove stabilizer bar end set bolt. Remove shock absorber upper mounting nut. Remove shock absorber lower mounting bolt and remove shock from vehicle.

3) Lower trailing arm with the jack. Remove coil spring and spring seat.

**Installation** — Reverse removal procedures and note the following: Align coil spring in hollow portion of trailing arm. Lower vehicle and bounce to stabilize bushing before tightening shock absorber and stabilizer mounting hardware.

#### TRAILING ARM

**Removal** — 1) Raise and support rear of vehicle. Remove stabilizer bar end set bolt.

2) Remove shock absorber and coil spring. Remove grease cap, cotter pin, adjusting cap, and claw nut from rear axle hub.

3) Remove claw washer, outer wheel bearing, brake drum, inner bearing and oil seal.

**NOTE** — It may be necessary to back off brake adjustment to remove brake drum. Raise automatic adjuster lever with a screwdriver and insert brake tool to adjust.

4) Disconnect brake line from trailing arm. Disconnect parking brake cable at equalizer. Pull out parking brake cable from crossmember to arm side.

5) Remove rear brake and backing plate assembly with brake cable attached. Note position of trailing arm camplate mark for reassembly reference.

6) Remove trailing arm pivot bolts and remove trailing arm from vehicle.

**Bushing Replacement** — Cut off edges of bushing flange and bend remaining portions inward with a chisel. Using a press and adapters, press out outer and inner bushings and press in replacements.

**Installation** — Reverse removal procedures and note the following: Align camplate mark on trailing arm camplate to same position as it was prior to removal. Lower vehicle and bounce before tightening suspension arm, shock absorber, and stabilizer bar end bolts. Adjust wheel bearings and check wheel alignment. See appropriate article in *WHEEL ALIGNMENT* Section.

#### STABILIZER BAR

**Removal & Installation** — Remove stabilizer bar end set bolt. Remove bolts from stabilizer bar brackets and remove stabilizer bar from vehicle. To install, reverse removal procedure. Lower vehicle and bounce before tightening mounting hardware.

#### SUSPENSION CROSSMEMBER

**Removal** — 1) Raise and support rear of vehicle. Remove tires and wheels. Remove exhaust tailpipe and muffler assembly.

2) Remove stabilizer bar, shock absorber and coil springs. Remove trailing arm with parking brake cable and brake tube attached.

3) Remove suspension crossmember mounting bolts and remove crossmember from vehicle.

**Bushing Replacement** — Remove bushings with a plastic hammer. Install new bushings with notch aligned in the

# Rear Suspension

## TOYOTA TERCEL (Cont.)

forward/reverse direction, and tap in from underside of crossmember.

**NOTE** — Do not tap on rubber portion of bushings.

**Installation** — Reverse removal procedures and note the following: Align camplate mark on trailing arm camplate to the same position as it was prior to removal. Align coil spring in hollow portion of trailing arm. Lower vehicle and bounce before tightening trailing arm, shock absorber, and stabilizer bar end bolts. Adjust wheel bearings and check wheel alignment. See appropriate article in *WHEEL ALIGNMENT Section*.

### TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (N.m)
Rear Brake Assembly .....	22-32 (30-43)
Shock Absorber	
Lower Mounting Bolt .....	11-15 (15-20)
Upper Mounting Nut .....	14-22 (19-30)
Stabilizer Bar	
Bar End Set Bolt .....	10-15 (14-20)
Bracket .....	11-15 (15-20)
Suspension Crossmember Bolts .....	58-72 (79-98)
Trailing Arm Pivot Bolts .....	73-97 (99-132)