

Rear Suspension

TOYOTA CELICA, CRESSIDA & SUPRA

Celica
Cressida
Except Wagon
Supra

DESCRIPTION

Coil spring type suspension utilizing upper and lower control arms as pivot supports. Coil springs are mounted between axle and chassis member. Shock absorbers are connected to axle housing at bottom and to chassis members at top. A lateral control arm is mounted to rear side of axle and runs parallel with axle to mount at side of body. Supra models have stabilizer bar attached to chassis at ends and at axle with 2 brackets.

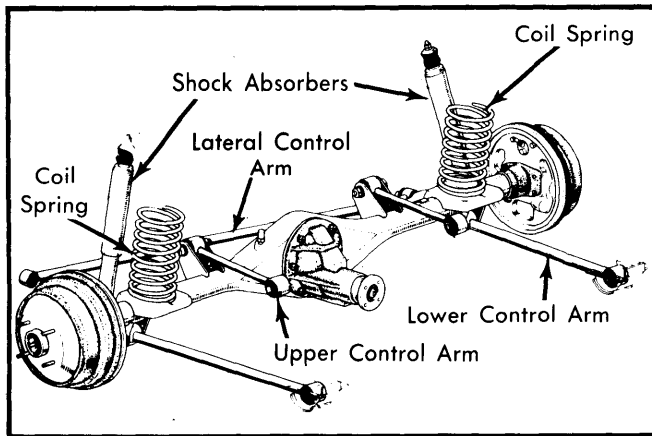


Fig. 1 Rear Suspension Arrangement of Toyota Celica & Cressida (Supra Similar)

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 nuts and bolts to specifications.

COIL SPRINGS

Removal — Raise and support vehicle. Place a support jack under rear axle. Detach shock absorber lower mount. Remove stabilizer bar mounting from axle. Slowly lower axle jack and remove coil springs and insulators.

Installation — To install, reverse removal procedure.

CONTROL ARMS

Removal — 1) Raise and support vehicle at frame. Place an additional support jack under rear axle.

2) To remove upper control arm, remove bolt holding upper control arm to body and bolt holding control arm to axle housing. Remove upper control arm.

3) To remove lower control arm, remove arm-to-body bolt and arm-to-axle housing bolt. Remove control arm.

4) To remove lateral control arm, remove arm-to-body bolt and arm-to-axle bolt. Remove lateral arm.

Installation — To install, temporarily attach control arms, then raise axle jack until vehicle is lifted from body stands. Tighten control arm bolts to specifications. Lower vehicle to ground.

STABILIZER BAR

Removal — Raise vehicle at rear axle and place support stands beneath axle. Remove bolts from body and axle and remove stabilizer bar.

Installation — Attach stabilizer bar to body and axle mounts, leaving slightly loose. Lower vehicle to ground and bounce several times to settle stabilizer bar bushings. Torque stabilizer bar bolts to specifications.

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (mkg)
Upper Control Arm-to-Axle	
Celica, Supra	73-108 (10.0-15.0)
Cressida	87-123 (12.0-17.0)
Upper Control Arm-to-Body	
Celica, Supra	87-123 (12.0-17.0)
Cressida	109-137 (15.0-19.0)
Lower Control Arm-to-Axle	
Celica, Supra	73-108 (10.0-15.0)
Cressida	87-123 (12.0-17.0)
Lower Control Arm-to-Body	87-123 (12.0-17.0)
Lateral Control Arm-to-Axle	
Celica, Supra	30-55 (4.1-7.7)
Cressida	54-80 (7.5-11.0)
Lateral Control Arm-to-Body	
Celica, Supra	51-65 (7.0-9.0)
Cressida	65-98 (9.0-13.5)
Shock Absorber-to-Body	16-24 (2.2-3.4)
Shock Absorber-to-Axle	22-32 (3.0-4.5)
Stabilizer Bar-to-Axle	22-32 (3.0-4.5)
Stabilizer Link-to-Bar	14-22 (1.9-3.1)
Stabilizer Bar-to-Body	55-75 (7.5-10.5)