

Rear Suspension

TOYOTA CELICA, CRESSIDA & 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 and to chassis member. A lateral control arm is mounted to rear axle housing and to mount at side of body. A stabilizer bar attached to chassis at ends and at axle with 2 brackets.

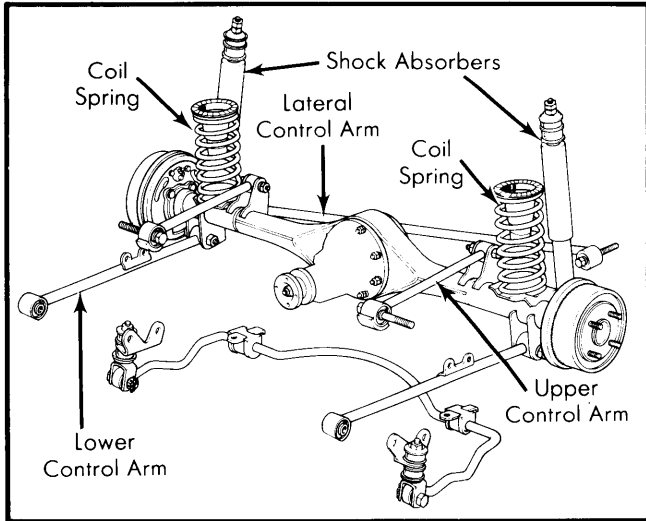


Fig. 1 Rear Suspension Arrangement of Toyota Cressida (Celica & Supra Similar)

REMOVAL & INSTALLATION

SHOCK ABSORBERS

Removal – Raise vehicle and place safety stands under axle housing. Remove nut holding shock absorber to rear axle. Remove nut holding shock absorber to body, and remove shock absorber.

NOTE – Use screwdriver to keep shaft from turning.

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

COIL SPRINGS

Removal – 1) Raise and support rear axle housing and support body with safety stands. Leave a jack under rear axle. Remove nut holding shock absorber to rear axle and disconnect shock.

2) Disconnect rear stabilizer bar. Remove nut holding lateral control arm to rear axle housing and remove lateral control arm. Slowly lower jack and remove coil springs and insulators.

NOTE – Be careful of brake lines and parking brake cable while lowering axle.

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. (N.m)
Lateral Control Arm-to-Axle	30-55 (41-75)
Lateral Control Arm-to-Body	
Celica & Supra	51-65 (69-88)
Cressida	66-97 (89-132)
Lower Control Arm-to-Axle	
Celica & Supra	73-108 (99-146)
Cressida	87-123 (118-167)
Lower Control Arm-to-Body	87-123 (118-167)
Shock Absorber-to-Axle	22-32 (30-43)
Shock Absorber-to-Body	16-24 (22-33)
Stabilizer Bar-to-Axle	22-28 (30-38)
Stabilizer Bar-to-Link	14-22 (19-30)
Stabilizer Bar-to-Body	55-75 (75-102)
Upper Control Arm-to-Axle	
Celica & Supra	73-108 (99-146)
Cressida	87-123 (118-167)
Upper Control Arm-to-Body	87-123 (118-167)