

## 1968-73 DATSUN 510

510 (1968-73)

### DESCRIPTION

Fully independent rear suspension, semi-trailing arm type, consisting of; a suspension member; coil springs; control arms; hydraulic shock absorbers. Control arms pivot in rubber insulators mounted on suspension member. Bearing housing and lower shock absorber mount is integral with outer end of control arm. Coil springs are mounted between control arms and body. Shock absorbers are mounted between control arms and body.

### REMOVAL & INSTALLATION

#### REAR AXLE & SUSPENSION ASSEMBLY

**Removal** — The entire rear suspension assembly can be removed at one time. Raise vehicle and support with safety stands. Remove wheels and tires. Disconnect hand brake linkage and remove tailpipe and muffler. Disconnect brake line from flex line. Disconnect propeller shaft from differential carrier. Place jack under control arm and raise enough to remove lower shock mount. Place a suitable jack under suspension member and remove two bolts holding suspension member to body. Gently lower suspension assembly and remove from under vehicle.

**Installation** — Inspect all suspension components for wear or damage. Reverse removal procedure for installation. Tighten all bolts and nuts to specifications.

#### SHOCK ABSORBER

**Removal** — Upper shock absorber retaining nut is accessible from inside trunk compartment. Remove trunk finishing assembly and remove retaining nut from upper shock absorber stem. Remove lower shock absorber mounting bolt from control arm and remove shock absorber.

**Installation** — Reverse removal procedure and tighten all bolts and nuts to specification

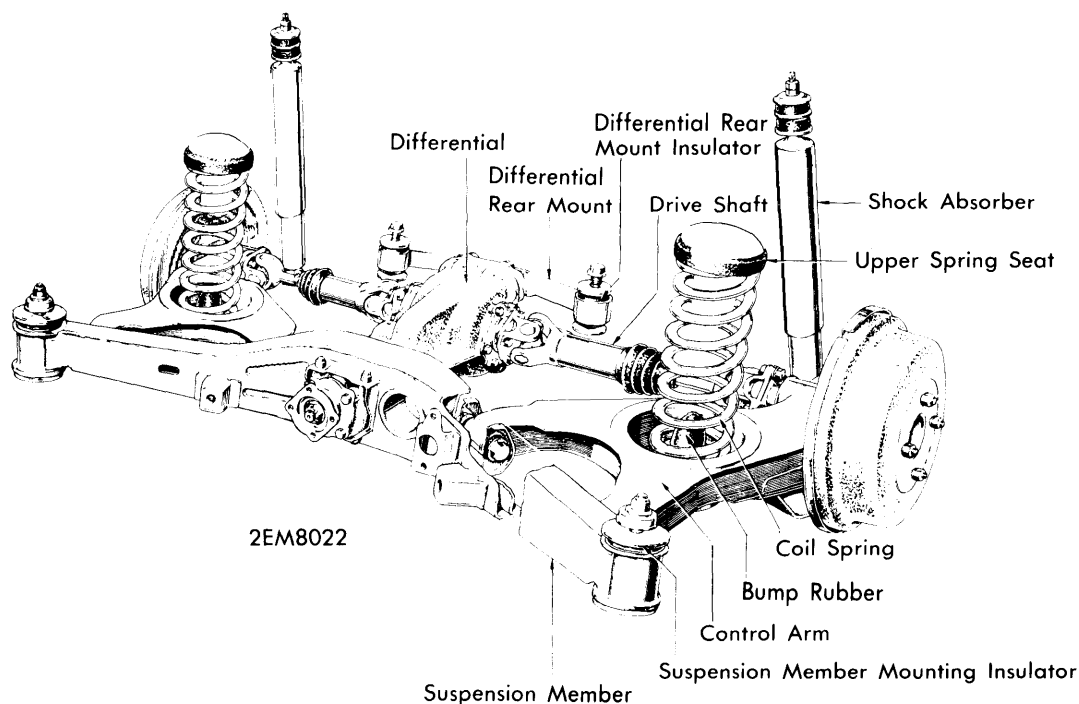
#### COIL SPRING

**Removal** — Raise vehicle and support with safety stands. Remove wheel and tire and disconnect hand brake linkage. Remove drive shaft flange nuts on wheel side. Remove nuts securing rubber bumper inside coil spring. Raise control arm enough to remove lower shock absorber bolt. Lower suspension arm enough to remove coil spring, spring seat and rubber bumper.

**Installation** — Reverse removal procedure and tighten all bolts and nuts to specifications.

#### CONTROL ARM

**Removal** — Raise vehicle and support with safety stands. Remove wheel and tire and brake drum. Disconnect drive shaft from axle shaft. Disconnect hand brake cable attached to balancing lever and remove cable from lever attached to wheel cylinder. Disconnect brake line from flex hose. Remove wheel bearing lock nut, axle shaft, wheel bearings and oil seals. Remove brake assembly from control arm. Raise control



DATSUN 510 SEDAN REAR SUSPENSION

# Rear Suspension

## 1968-73 DATSUN 510 (Cont.)

arm with a jack enough to remove shock absorber from control arm mount. Lower jack and remove coil spring, spring seat and rubber bumper. Remove bolts holding control arm to suspension member and remove control arm. If rubber bushings in control arm are being replaced, remove bushings using a suitable bushing remover (ST49160000).

**Installation** — Reverse removal procedure but do not tighten bolts securing control arm to suspension member until full weight of vehicle is on real wheels. Tighten all bolts and nuts to specification.

### TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (mkg)
Shock Absorber Upper Mount .....	16 (2.2)
Shock Absorber Lower Mount .....	16 (2.2)
Drive Shaft-to-Differential .....	54 (7.5)
Propeller Shaft-to-Companion Flange .....	45 (6.2)
Suspension Member-to-Chassis .....	72 (10)
Control Arm-to-Suspension Member .....	65 (9)
Drive Shaft-to-Axle Shaft .....	54 (7.5)
Rubber Bumper Nuts .....	16 (2.2)
Differential Mounting Member .....	61 (8.4)