

## DATSUN 610

610

## 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 &amp; INSTALLATION

## REAR AXLE &amp; SUSPENSION ASSEMBLY

**Removal** — Raise rear of vehicle and appropriately place safety stands; remove tires and wheels. Disconnect parking brake cable at adjusting nut. Disconnect and remove rear exhaust pipe and muffler. Mark propeller shaft and pinion flange, and remove shaft. Disconnect brake hoses at suspension arms. Support center of suspension member and differential gear carrier using a transmission jack; remove shock absorbers. Disconnect suspension member from body and differential. Carefully lower jack and pull assembly from vehicle.

**Installation** — Inspect all suspension components for wear or damage. To install, reverse removal procedure and tighten all nuts and bolts.

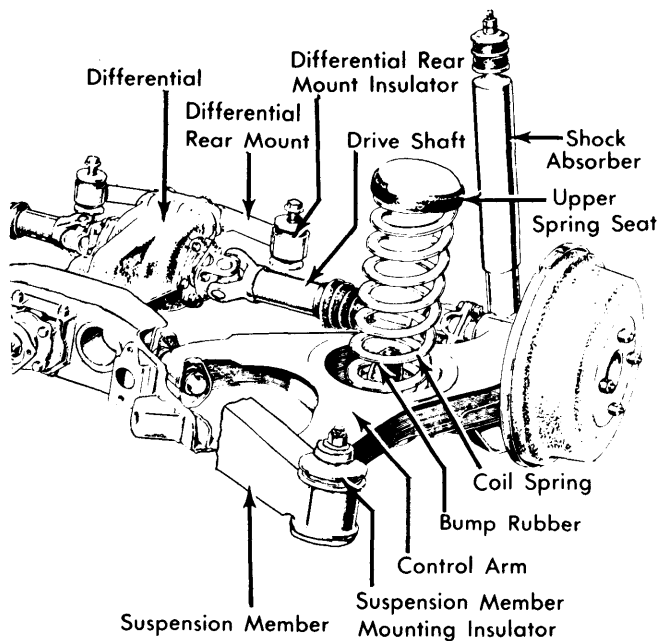


Fig. 1 Datsun 610 Rear Suspension Assembly

## 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 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 (ST38280000).

**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)
Suspension Member Mounting Nut .....	51-72 (7.0-10)
Differential Member	
Mounting Nut .....	51-72 (7.0-10.0)
Lower Shock Absorber Mounting	
Bolt .....	12-16 (1.7-2.2)
Differential Gear Carrier	
Mounting Bolt .....	36-51 (5.0-7.0)
Suspension Arm-to-Support .....	58-72 (8.0-10.0)