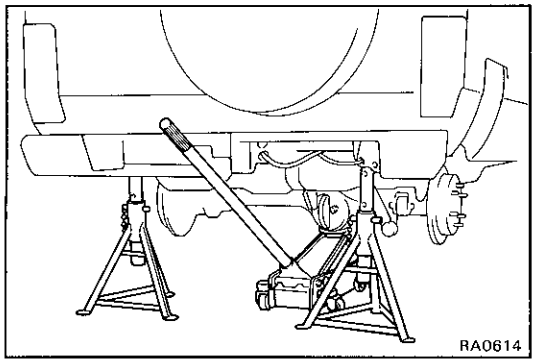


Coil Spring and Shock Absorber

(See page SA-198)

REMOVAL OF REAR SHOCK ABSORBER AND COIL SPRING

1. JACK UP VEHICLE

Jack up support the frame with stands. Hold the rear axle housing with a jack.

2. REMOVE REAR WHEEL

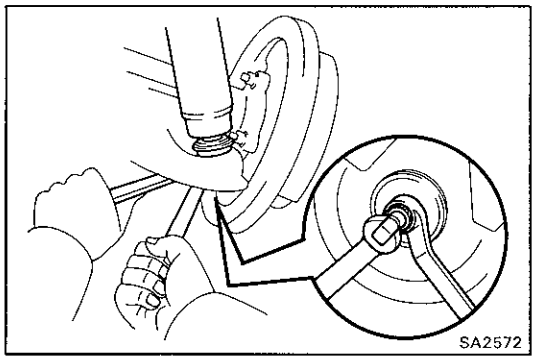
3. REMOVE REAR SHOCK ABSORBER

(a) Using a jack, support the rear axle housing.

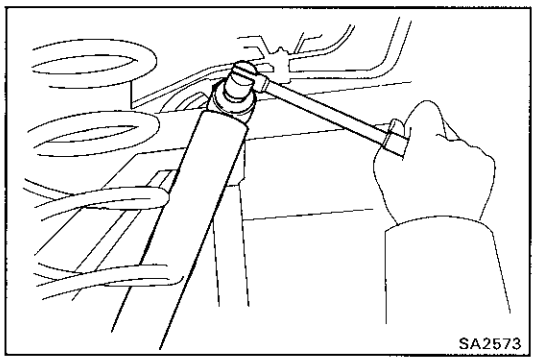
(b) Remove the shock absorber lower mounting nut, retainers and cushion.

(c) Disconnect the shock absorber from the axle housing.

(d) Remove the cushion and retainer from the shock absorber



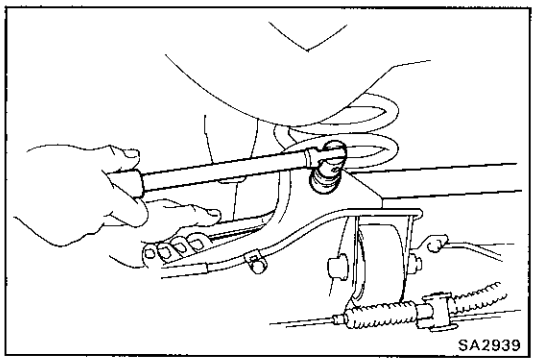
(e) Remove the shock absorber upper mounting bolt, retainer, cushions and shock absorber.



4. DISCONNECT LATERAL CONTROL ROD FROM AXLE HOUSING

(a) Remove the bolt and nut and disconnect the lateral control rod from the axle housing.

(b) Remove the bushing from the lateral control rod.

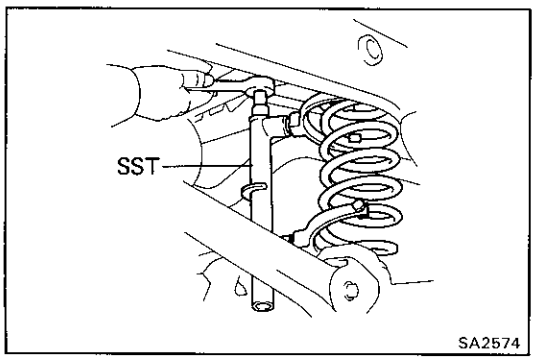


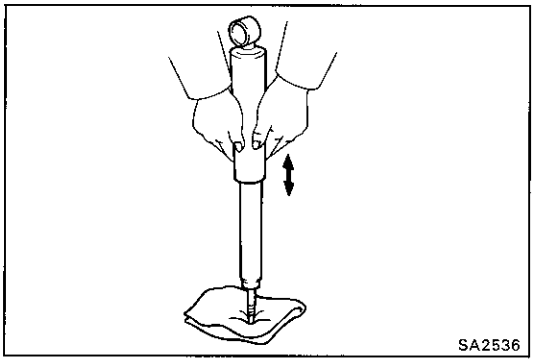
5. REMOVE COIL SPRING

(a) Using SST, compress the coil spring.

SST 09727-30020

(b) Remove the coil spring and two coil spring insulators.



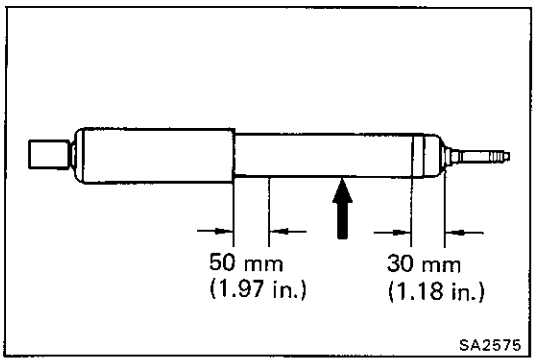


INSPECTION OF REAR SHOCK ABSORBER

1. INSPECT OPERATION OF SHOCK ABSORBER

(a) While pushing the shock absorber, check that the pull throughout the stroke is even, and there is no abnormal resistance or noise.

(b) Push the shock absorber in fully and release it. Check that it returns at a constant speed throughout.

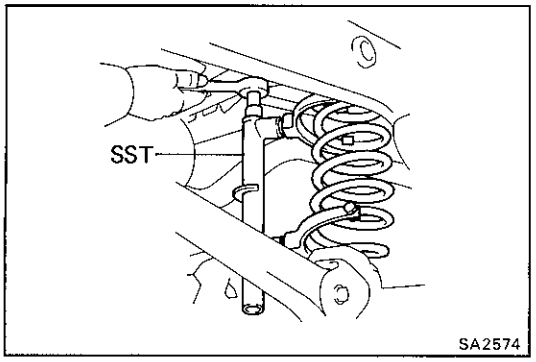


2. DISCARD SHOCK ABSORBER

Before discarding the shock absorber, drill a hole 2 — 3 mm (0.079 — 0.118 in.) in diameter at the location shown in the illustration to release the gas inside.

NOTICE:

- **When drilling, chips may fly out work carefully.**
- **The gas is colorless, odorless, and non-poisonous.**



INSTALLATION OF REAR SHOCK ABSORBER AND COIL SPRING

(See page SA-198)

1. INSTALL COIL SPRING

(a) Install the two coil spring insulators.

(b) Using SST, compress the coil spring.

SST 09727-30020

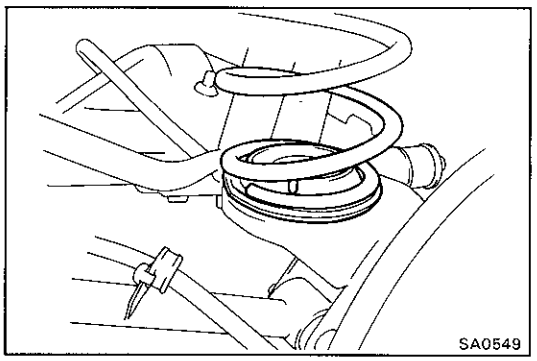
(c) Install coil spring.

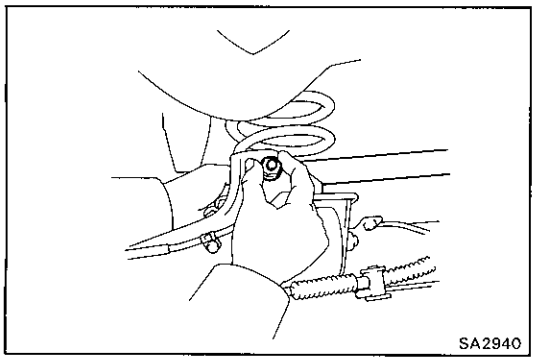
(d) Jack up rear axle housing.

(e) Check position of lower insulator.

(f) Check that the lower insulator is installed correctly.

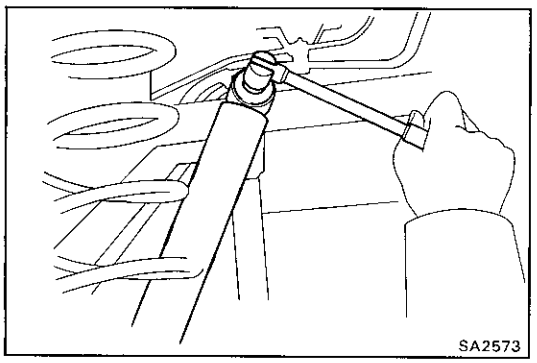
If the insulator is not in correct position, reinstall the coil spring.





2. CONNECT LATERAL CONTROL ROD

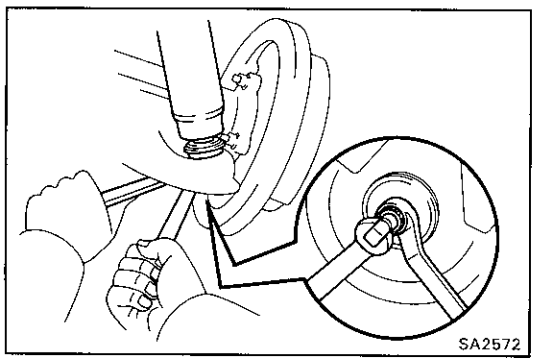
Temporarily connect the lateral control rod to the axle housing with the bushing bolt and nut.



3. INSTALL SHOCK ABSORBER

(a) Install the shock absorber to the frame with the cushions, retainer and bolt.

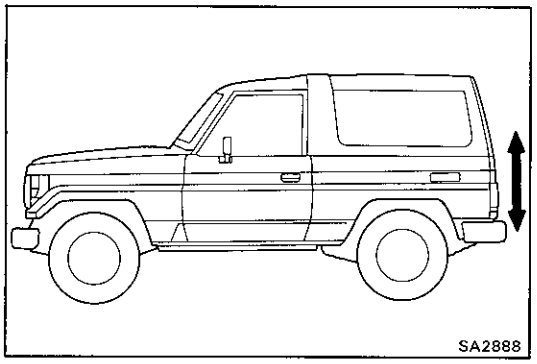
Torque: 650 kg-cm (47 ft-lb, 64 N·m)



(b) Connect the retainer and cushion to the shock absorber.

(c) Connect the shock absorber to the axle houshing with the cushion, reatiners and nut.

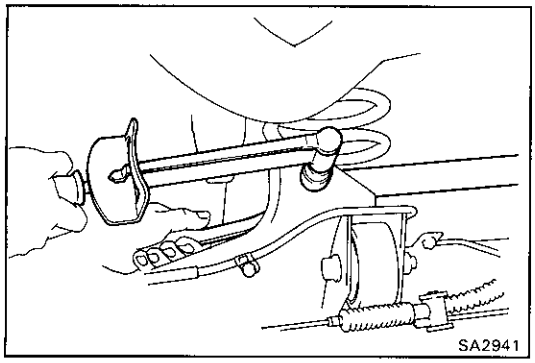
Torque: 320kg-cm (23 ft-lb, 31 N·m)


SA2888

4. STABILIZE SUSPENSION

(a) Lower the vehicle.

(b) Bounce the vehicle up and down to stabilize the suspension.


SA2941

5. TORQUE LATERAL CONTROL ROD BOLT AND NUT

(a) Jack up the rear axle housing and support it with the stands.

(b) Torque the lateral control rod nut.

Torque: 2,550 kg-cm (184 ft-lb, 250 N·m)