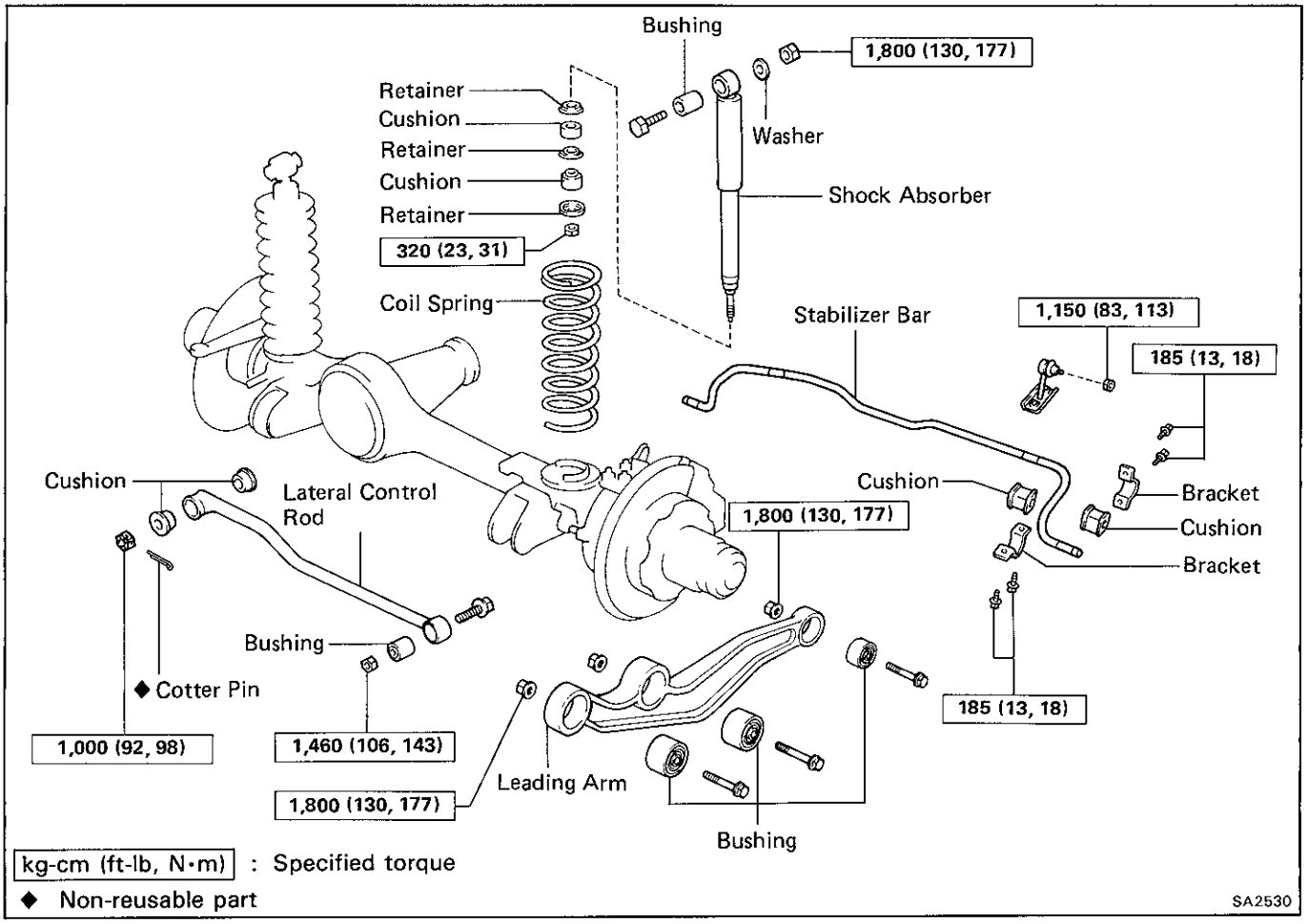
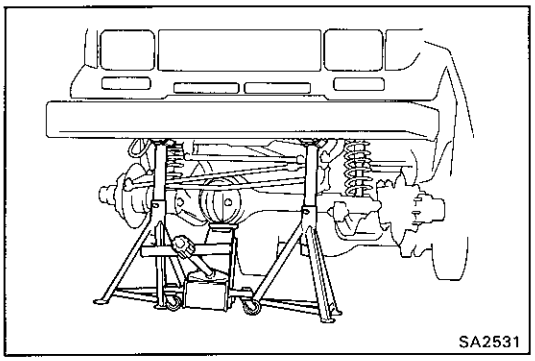
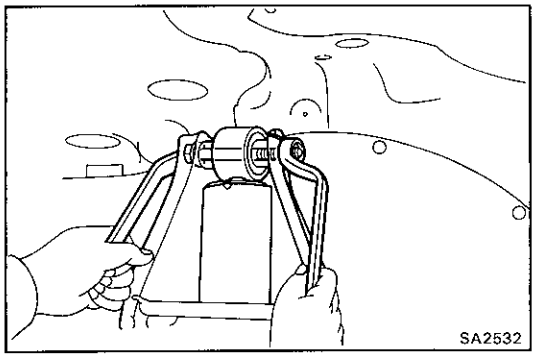
COIL SPRING TYPE FRONT SUSPENSION

COMPONENTS







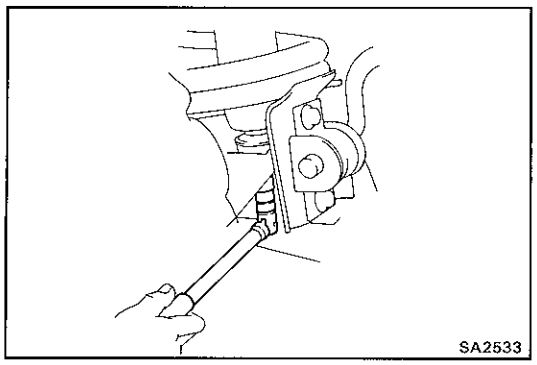
Coil Spring and Shock Absorber

REMOVAL OF COIL SPRING AND SHOCK ABSORBER

1. **JACK UP AND SUPPORT BODY**
   (a) Jack up and support the frame on stands.
   (b) Remove the wheel.

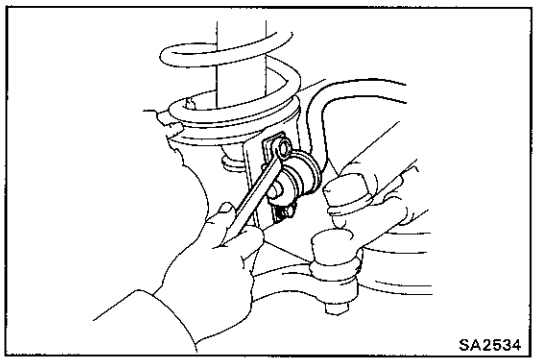
2. **JACK UP AND SUPPORT AXLE HOUSING**

3. **REMOVE FRONT SHOCK ABSORBER MOUNTING BOLT AND NUTS**
   (a) Hold the upper mounting bolt and remove the upper mounting bolt, nut and washer.



(b) Remove the lower mounting nut, cushions and retainers.

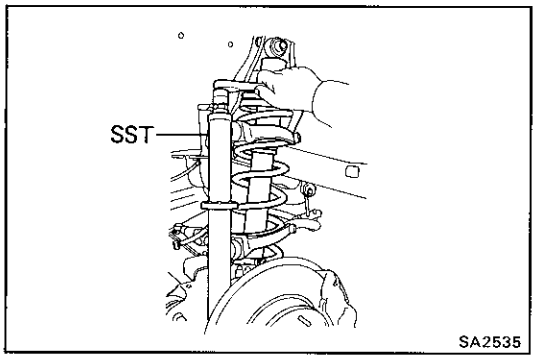
(c) Disconnect the shock absorber.



4. DISCONNECT STABILIZER BAR

Remove the two bolts, and disconnect the stabilizer bar from the axle housing.

5. JACK DOWN AND SUPPORT AXLE HOUSING



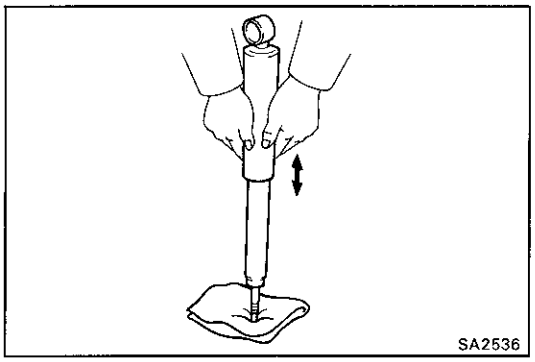
6. REMOVE COIL SPRING AND SHOCK ABSORBER

(a) Using SST, compress the coil spring.

SST 09727-30020

(b) Compress the shock absorber.

(c) Remove the coil spring with the shock absorber.

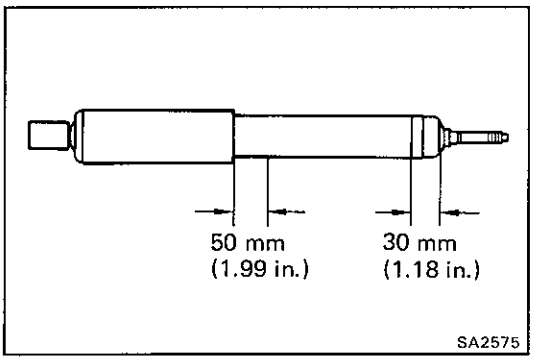

SA2536

INSPECTION OF FRONT 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 contact speed throughout.



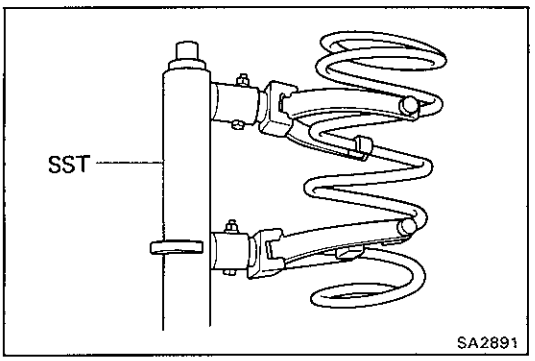
SA2575

2. IF NECESSARY, 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, so work carefully.**
- **The gas is colorless, odorless and non-poisonous.**



SA2891

INSTALLATION OF COIL SPRING AND SHOCK ABSORBER

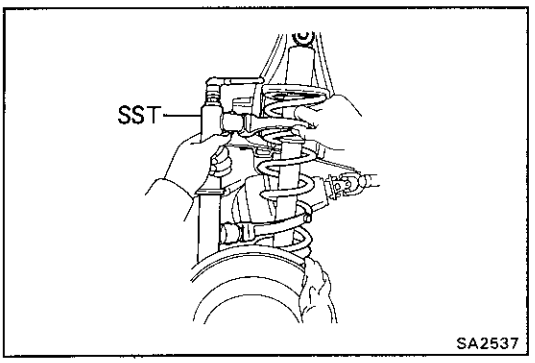
(See page SA-96)

1. INSTALL COIL SPRING

(a) Using SST, compress the coil spring.

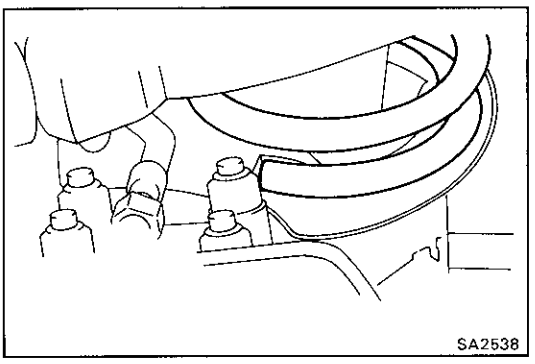
SST 09727-30020

(b) Compress the shock absorber.

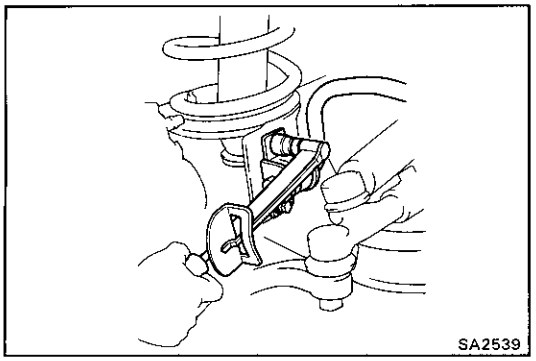


SA2537

(c) Install the coil spring with the shock absorber.


SA2538

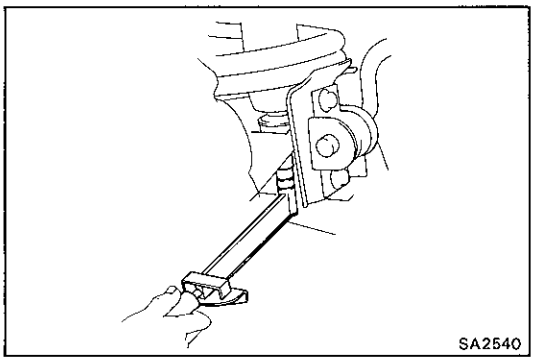
(d) Align the coil spring end with the lower seat hollow.



2. **CONNECT STABILIZER BAR**

Connect the stabilizer bar to the axle housing with the two bolts.

Torque: 185 kg-cm (13 ft-lb, 18 N·m)

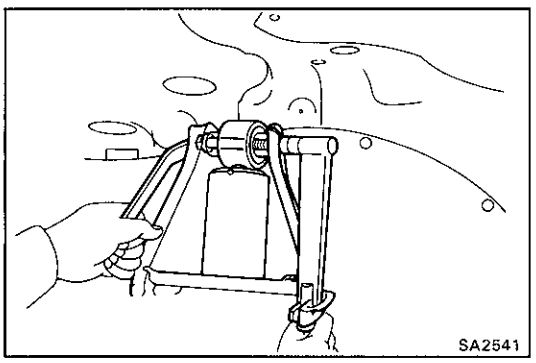


3. **INSTALL SHOCK ABSORBER**

(a) Install the retainers and cushions and connect the shock absorber.

(b) Install the lower mounting nut.

Torque: 320 kg-cm (23 ft-lb, 31 N·m)



(c) Insert the bolt from the front side.

(d) Hold the mounting bolt, and install the upper mounting bolt, nut and washer.

Torque: 1,800 kg-cm (130 ft-lb, 177 N·m)