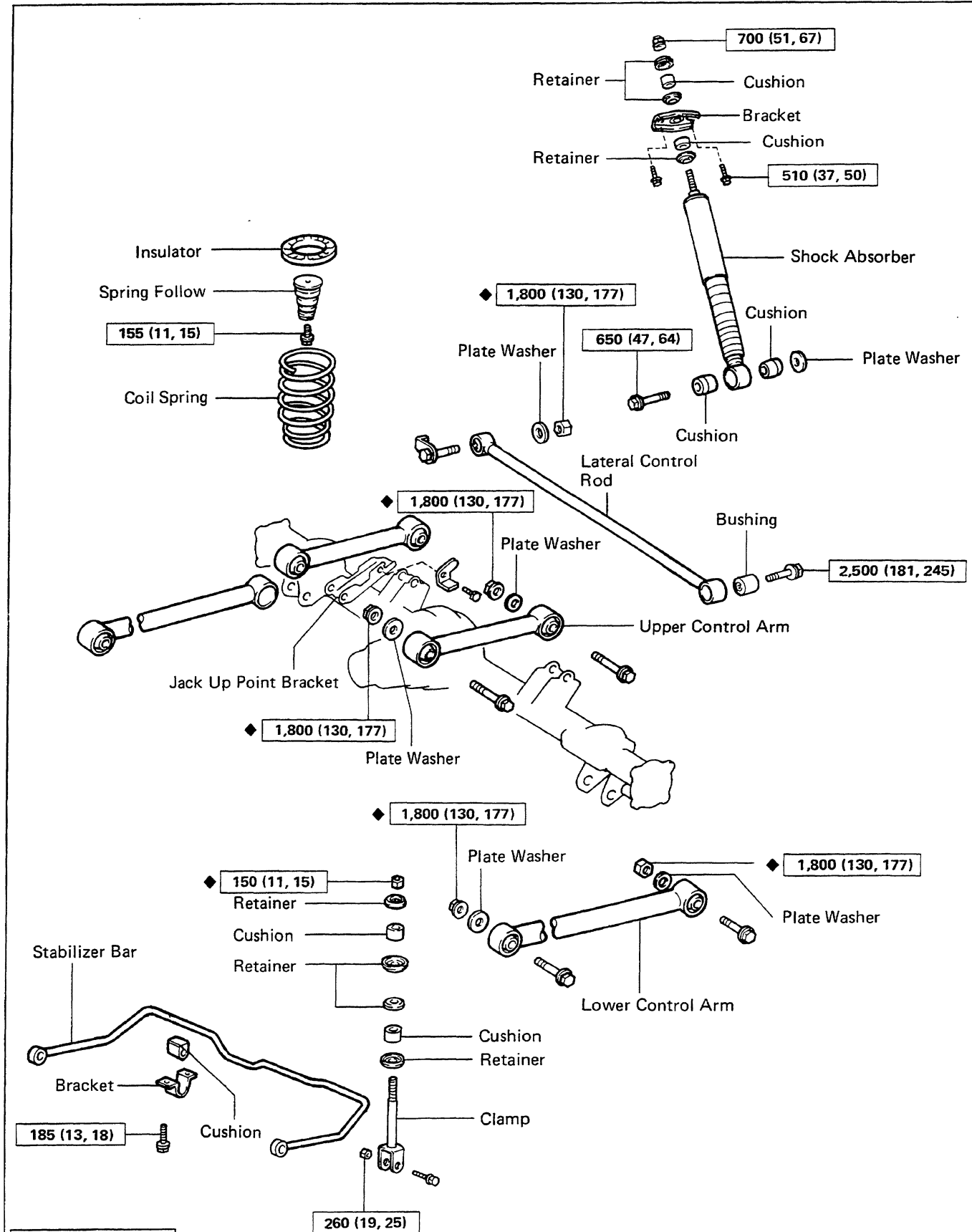
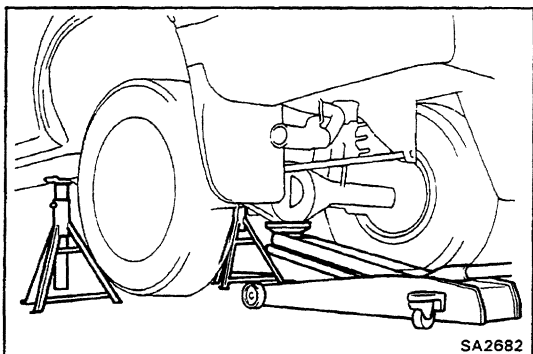


REAR SUSPENSION COMPONENTS



kg-cm (ft-lb, N·m) : Specified torque

◆ Non-reusable part



Coil Spring and Shock Absorber

(See page [SA-87](#))

REMOVAL OF COIL SPRING AND REAR SHOCK ABSORBER

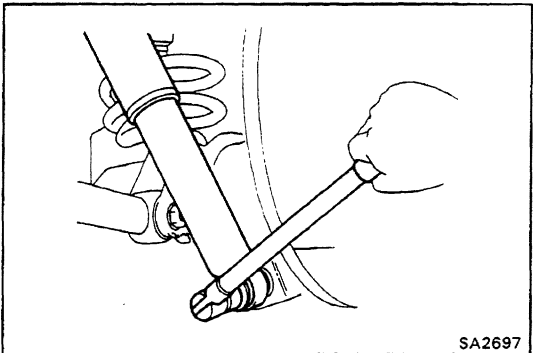
1. JACK UP AND SUPPORT VEHICLE

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

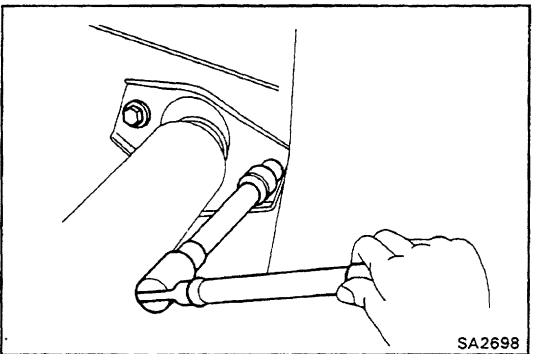
2. REMOVE WHEEL

3. DISCONNECT REAR SHOCK ABSORBER

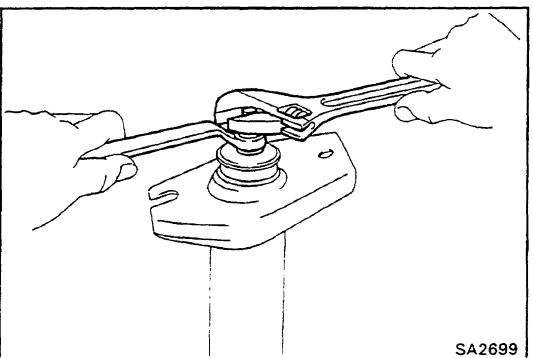
- (a) Remove the bolt holding the shock absorber from the rear axle housing and disconnect the shock absorber.



- (b) If replacing the shock absorber, remove the nut holding the shock absorber from the frame, and remove the shock absorber.

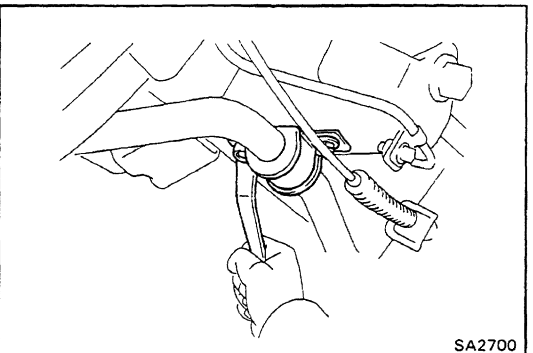


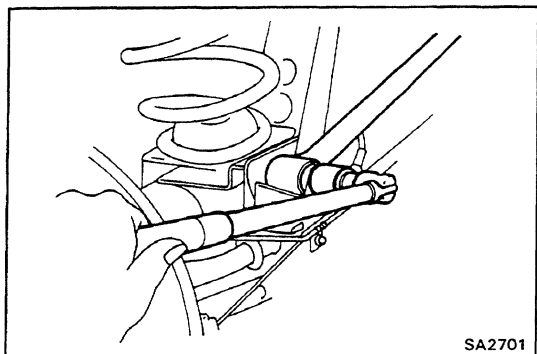
- (c) Hold the piston rod, and remove the nut.
(d) Remove the retainers, cushions and bracket.



4. DISCONNECT STABILIZER BAR BRACKETS

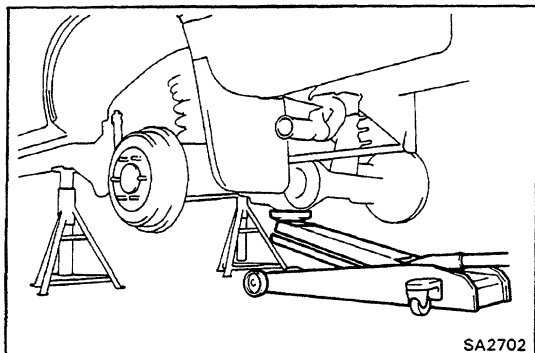
Remove the two bolts holding the stabilizer bar bracket from the rear axle housing.





5. DISCONNECT LATERAL CONTROL ROD

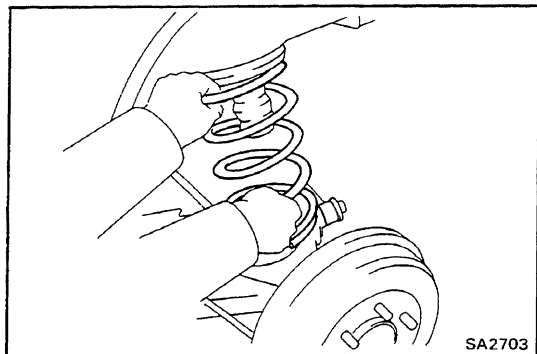
Remove the bolt and disconnect the lateral control rod from axle housing.



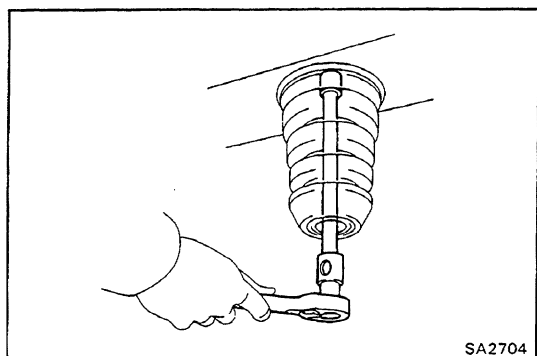
6. REMOVE COIL SPRING

(a) Begin to lower the rear axle housing.

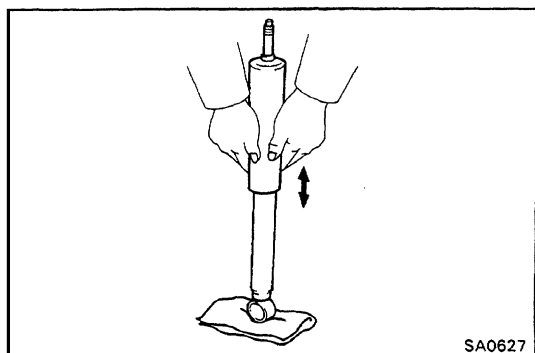
HINT: Be careful not to snap the brake line and parking brake cable.



(b) While lowering the rear axle housing, remove the coil spring and upper insulators.



(c) Remove the bolt and the spring follow from the frame.

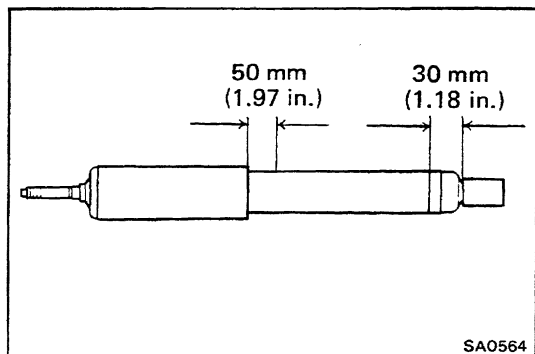


INSPECTION OF REAR SHOCK ABSORBER

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.

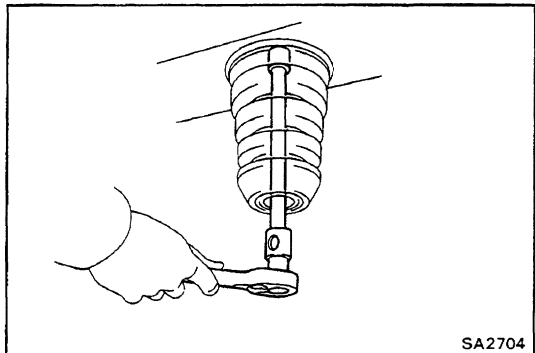


2. DISCARD SHOCK ABSORBER

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.



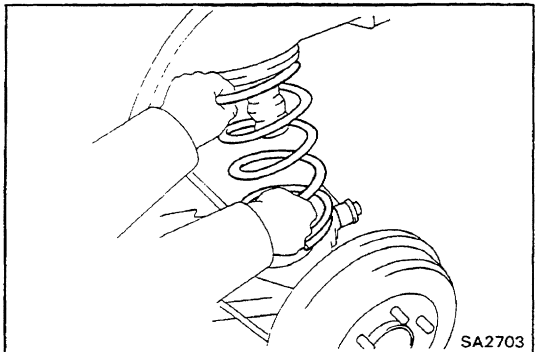
INSTALLATION OF COIL SPRING AND REAR SHOCK ABSORBER

(See page [SA-87](#))

1. INSTALL SPRING FOLLOW

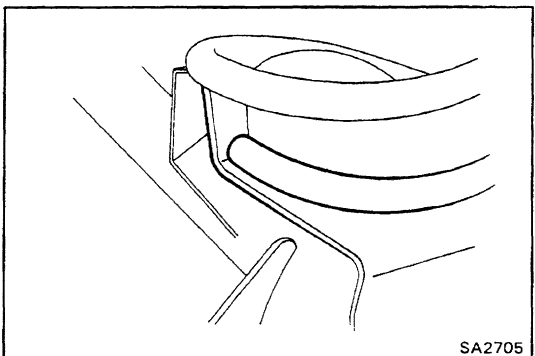
Install the spring follow to the frame with the bolt.

Torque: 155 kg-cm (11 ft-lb, 15 N-m)



2. INSTALL COIL SPRING

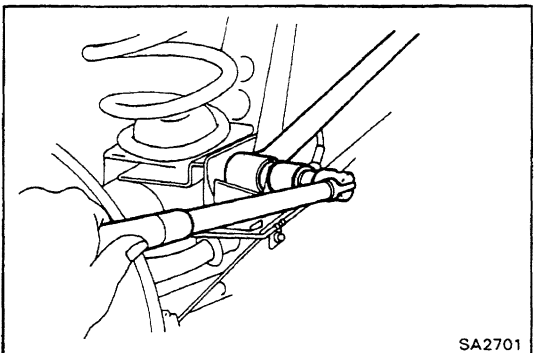
3. JACK UP REAR AXLE HOUSING



4. CHECK POSITION OF COIL SPRING END

Check that the coil spring end is installed correctly.

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

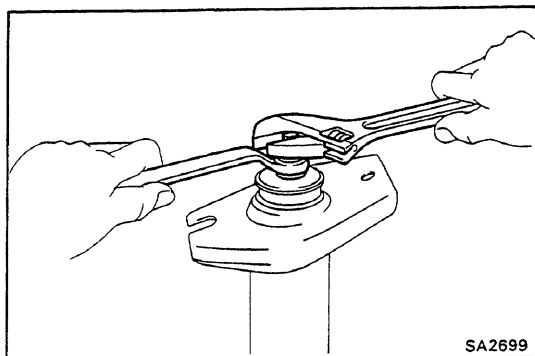


5. CONNECT LATERAL CONTROL ROD

Connect the lateral control rod to the axle housing with the bolt, washer and bushing.

HINT:

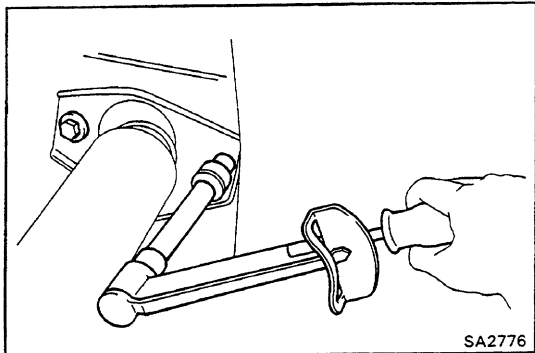
- Insert the bolt from the front of the vehicle (shock absorber side.)
- Do not tighten the nut.



6. INSTALL SHOCK ABSORBER

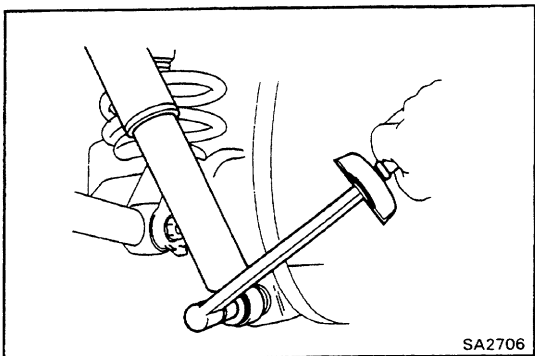
- (a) Hold the piston rod, and remove the nut.
- (b) Install the retainers, cushions and bracket to shock absorber with the nut.

Torque: 700 kg-cm (51, 67)



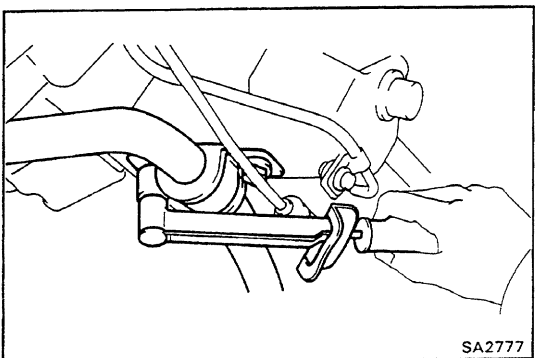
- (c) Install the shock absorber with bracket to the frame with the two bolts.

Torque: 510 kg-cm (37 ft-lb, 50 N-m)



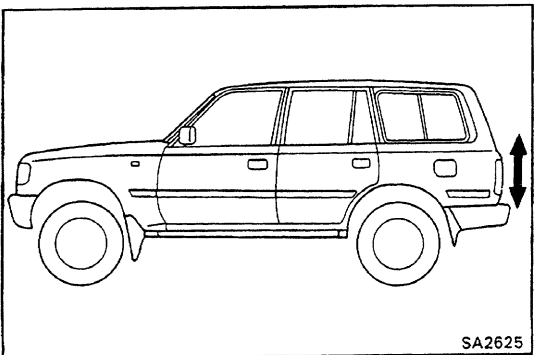
- (d) Connect the shock absorber with cushions and retainer to the axle housing with bolt.

Torque: 650 kg-cm (47 ft-lb, 64 N-m)



7. INSTALL STABILIZER BAR BRACKETS TO REAR AXLE SHAFT

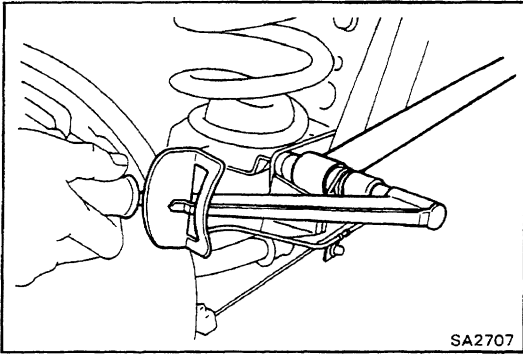
Install the stabilizer bar with bracket to the axle housing with the two bolts.



8. INSTALL WHEEL AND LOWER VEHICLE

9. STABILIZE SUSPENSION

Bounce the vehicle up and down to stabilize the suspension.

**10. TIGHTEN LATERAL CONTROL ROD NUT**

- (a) Jack up the rear axle housing and support it with stands.
- (b) Torque the lateral control rod nut.

Torque: 2,500 kg-cm (130 ft-lb, 177 N-m)