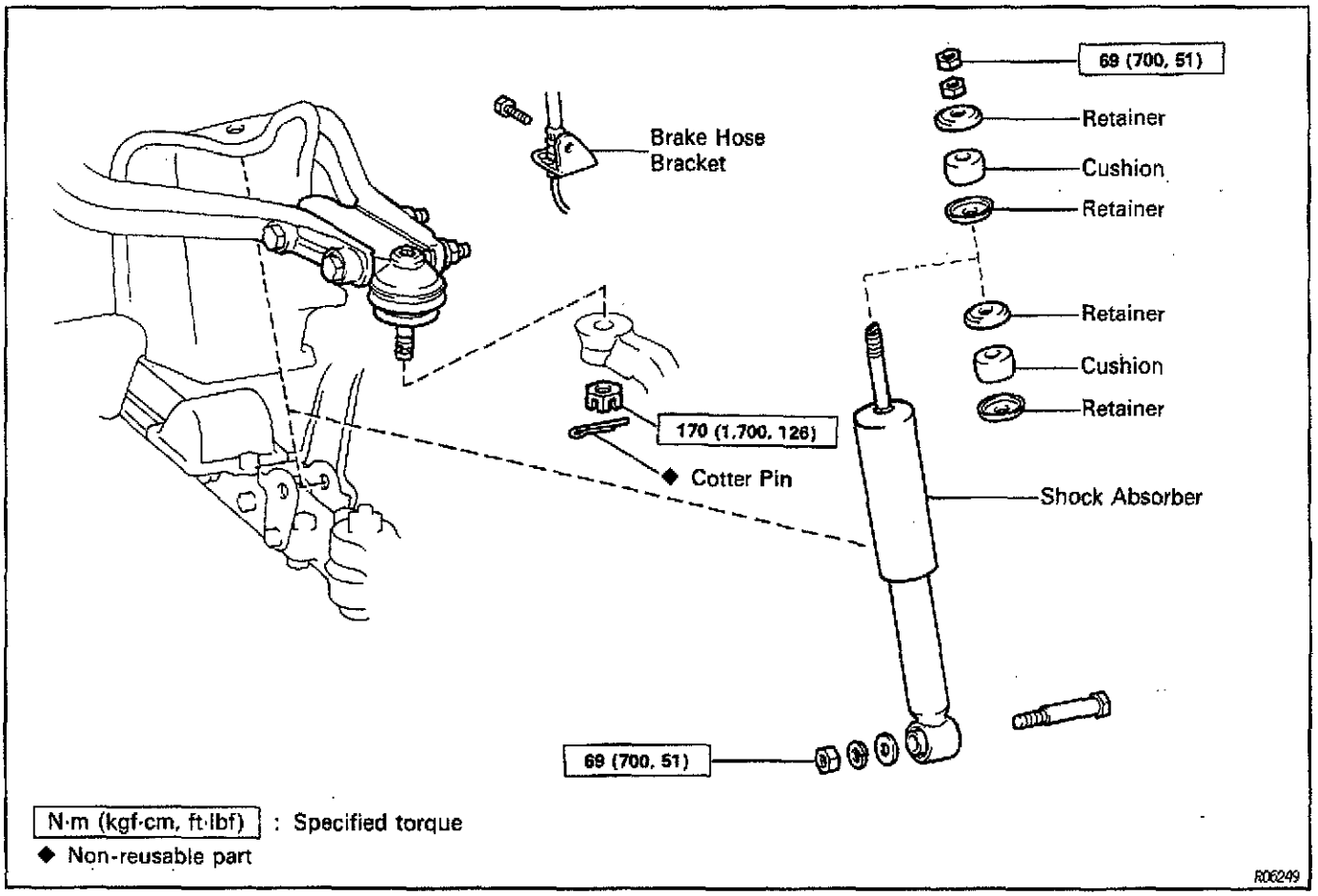
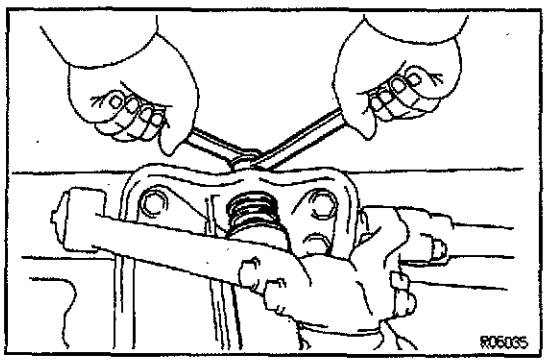
FRONT SHOCK ABSORBER

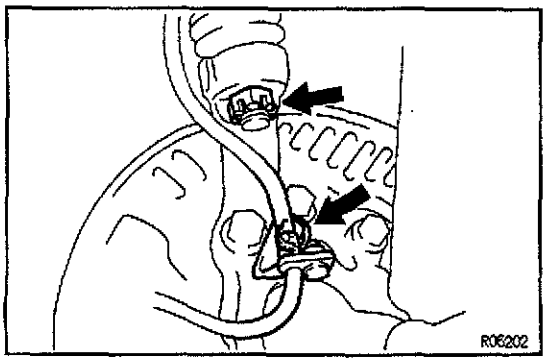
SADWZ-01

COMPONENTS



SA





FRONT SHOCK ABSORBER REMOVAL

SAOXD-01

1. **JACK UP AND SUPPORT FRAME ON STANDS**
2. **REMOVE FRONT WHEEL**
3. **DISCONNECT SHOCK ABSORBER**

(a) Support the lower arm with a jack.

(b) Hold the shock absorber rod, and remove the lock nut, set nut, retainer, cushion and disconnect shock absorber.

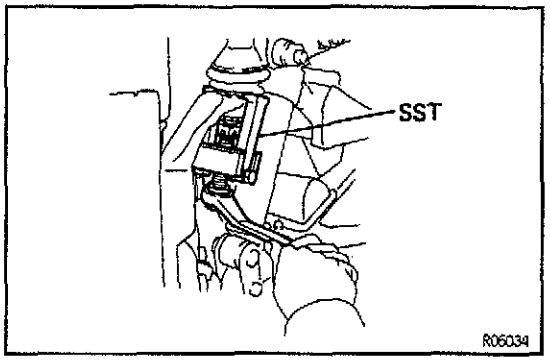
4. **DISCONNECT STEERING KNUCKLE**

(a) Disconnect the brake hose bracket from the steering knuckle.

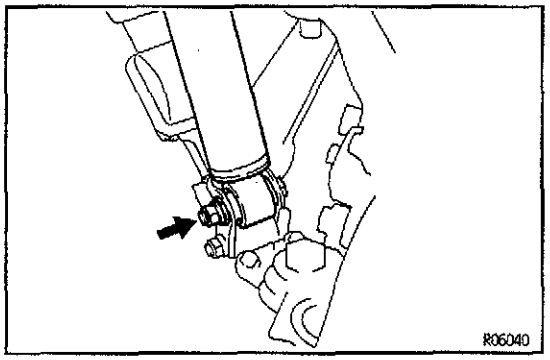
(b) Remove the cotter pin from the upper ball joint.

(c) Loosen the upper ball joint nut.

NOTICE: Only loosen the nut until SST can be caught, do not remove it.



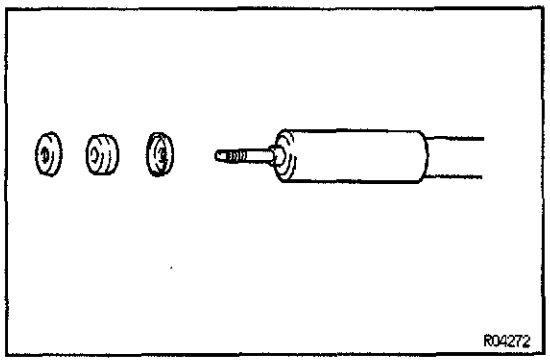
(d) Using SST, disconnect the steering knuckle.
SST 09628–62011
(e) Remove the upper ball joint nut.
(f) Lower the lower arm and disconnect the shock absorber upper side and steering knuckle.



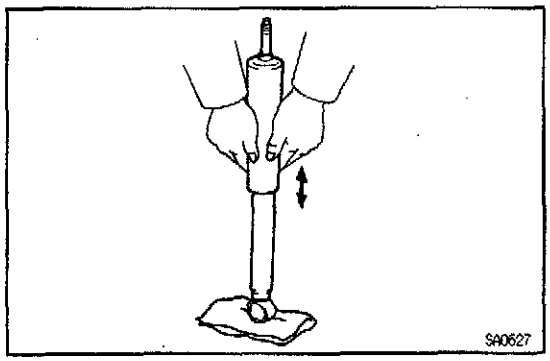
5. REMOVE SHOCK ABSORBER

(a) Remove the nut, bolt and shock absorber.

SA



(b) Remove following parts:
- Retainers
- Cushion

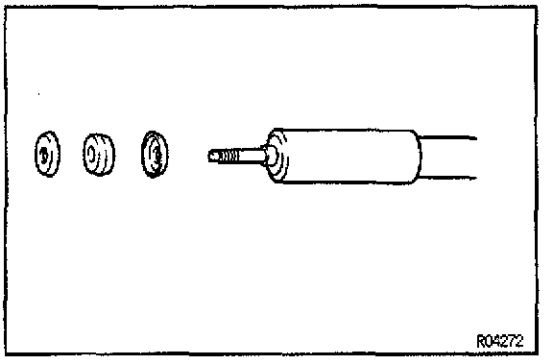


FRONT SHOCK ABSORBER INSPECTION SA0XI-01

INSPECT SHOCK ABSORBER

Compress and extend the shock absorber piston rod and check that there is no abnormal resistance or unusual operation sounds.

If there is any abnormality, replace the shock absorber with a new one.

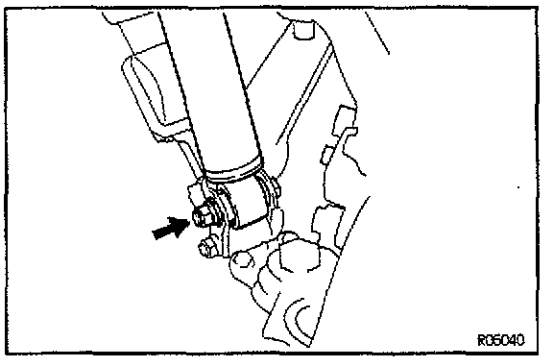


FRONT SHOCK ABSORBER INSTALLATION

SA0X2-01

1. INSTALL SHOCK ABSORBER

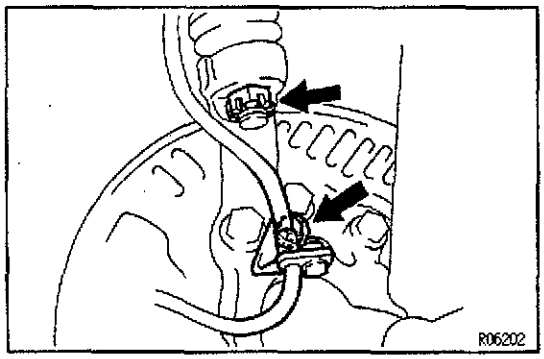
(a) Install the following parts:
- Cushion
- Retainers



(b) Install the shock absorber lower to the lower suspension arm with the bolt and nut.

(c) Tighten the shock absorber lower nut.
Torque: 69 N·m (700 kgf·cm, 51 ft·lbf)

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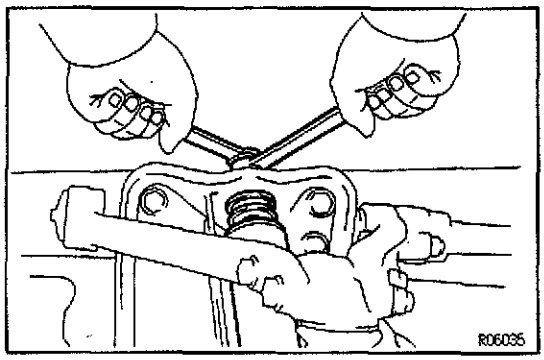
2. CONNECT STEERING KNUCKLE AND SHOCK ABSORBER

(a) Jack up the lower arm, and connect the shock absorber and steering knuckle.

(b) Install and tighten the upper ball joint nut.
Torque: 170 N·m (1,700 kgf·cm, 126 ft·lbf)

(c) Install a new cotter pin.

(d) Install the brake hose bracket to the steering knuckle.



(e) Install the cushion and retainers with the new nut.

(f) Hold the shock absorber rod, and tighten the shock absorber upper nut.
Torque: 69 N·m (700 kgf·cm, 51 ft·lbf)

3. INSTALL FRONT WHEEL AND LOWER VEHICLE

Torque: 515 N·m (5,250 kgf·cm, 380 ft·lbf)