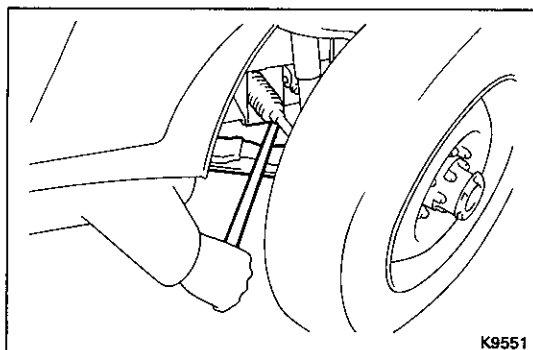
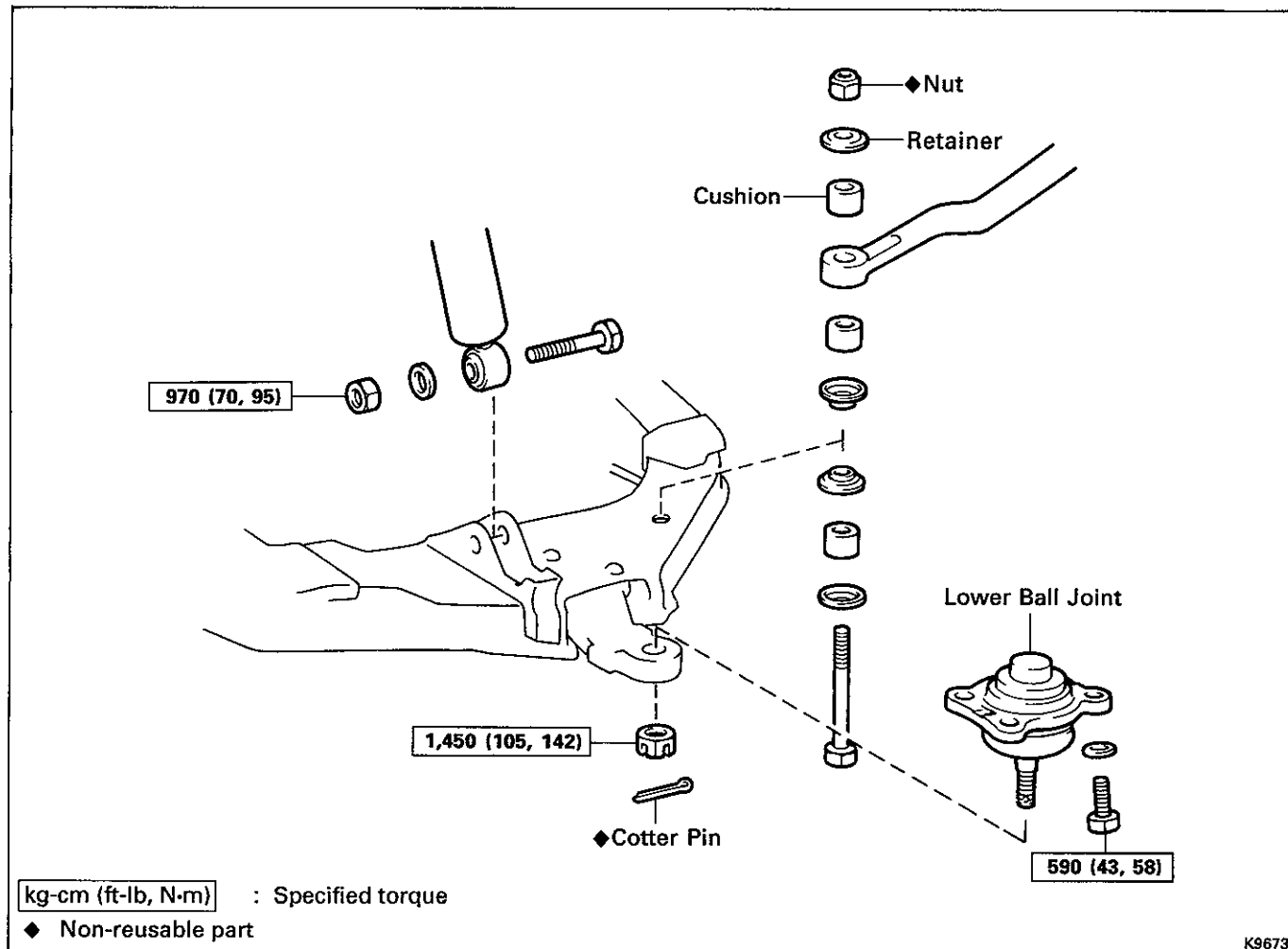


Lower Ball Joint

COMPONENTS

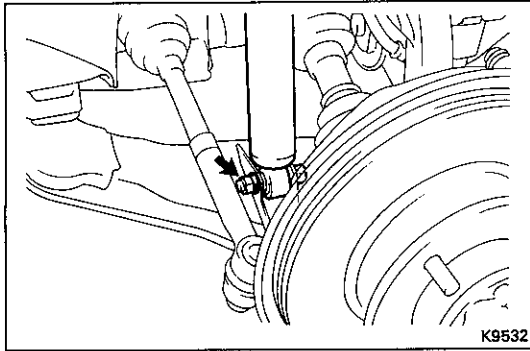


ON-VEHICLE INSPECTION OF LOWER BALL JOINT

INSPECT LOWER BALL JOINT FOR EXCESSIVE LOOSENESS

- Jack up the front of the vehicle and support it with stands.
- Move the lower arm up and down and check that the lower ball joint has no excessive play.

Maximum vertical play: 0 mm (0 in.)

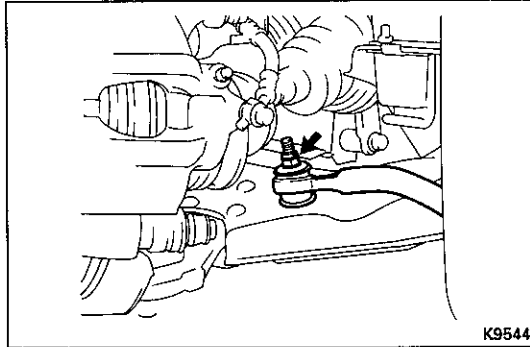


REMOVAL OF LOWER BALL JOINT

1. REMOVE FRONT WHEEL

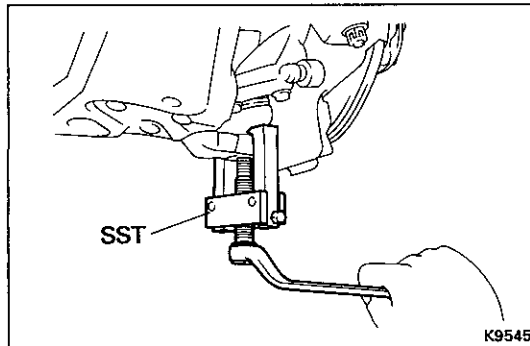
2. DISCONNECT FRONT SHOCK ABSORBER FROM LOWER ARM

Remove the bolt and disconnect the shock absorber from the lower arm.



3. DISCONNECT STABILIZER BAR FROM LOWER ARM

Remove the nut, retainers, cushions and bolts and disconnect the stabilizer bar from the lower arm.

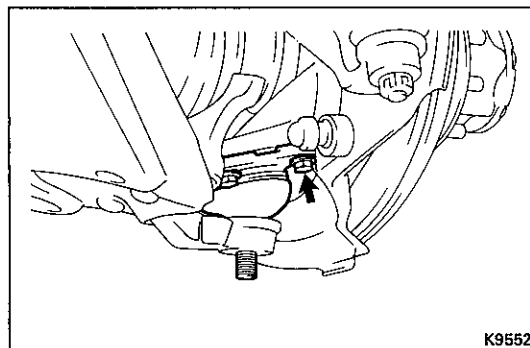


4. REMOVE LOWER BALL JOINT

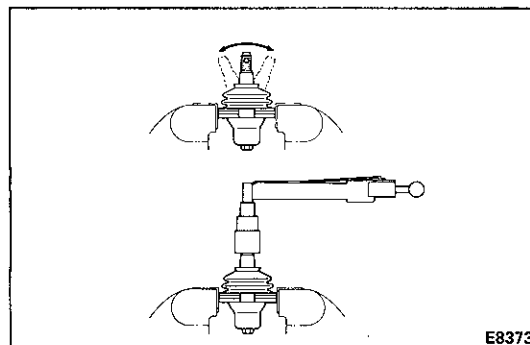
(a) Remove the cotter pin and nut.

(b) Using SST, disconnect the lower arm from the lower ball joint.

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(c) Remove the four bolts and lower ball joint.



INSPECTION OF LOWER BALL JOINT

INSPECT BALL JOINT FOR ROTATION CONDITION

(a) As shown, flip the ball joint stud back and forth 5 times before installing the nut.

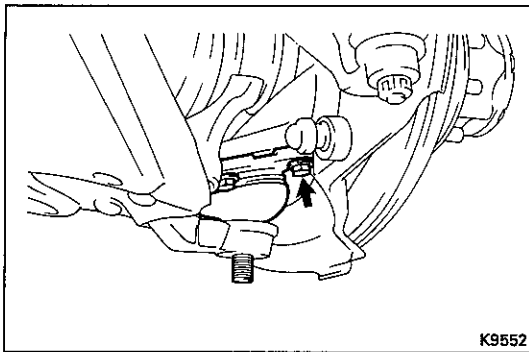
(b) Using a torque gauge, turn the nut continuously one turn per 20 seconds and take the torque reading on the 5th turn.

Torque (turning): 15 – 40 kg-cm
(13 – 35 in.-lb, 1.5 – 3.9 N-m)

INSTALLATION OF LOWER BALL JOINT**1. INSTALL LOWER BALL JOINT**

- (a) Install the lower ball joint to the steering knuckle with the four bolts.

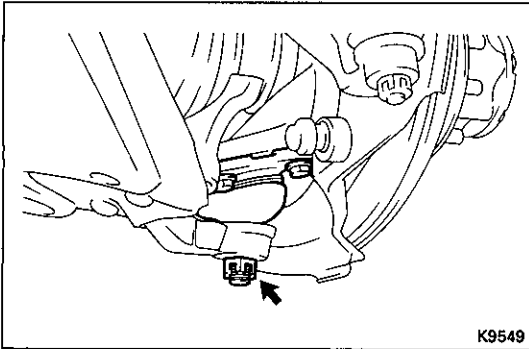
Torque: 590 kg-cm (43 ft-lb, 58 N-m)



K9552

- (b) Connect the lower arm to the lower ball joint and install the nut.

Torque: 1,450 kg-cm (105 ft-lb, 142 N-m)

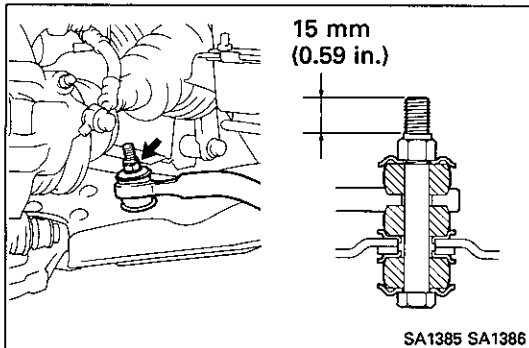


K9549

2. CONNECT STABILIZER BAR TO LOWER ARM

- (a) Install the bolt, retainers, cushions and a new nut as shown in the illustration.

- (b) Tighten the nut until the bolt protrudes about 15 mm (0.59 in.).

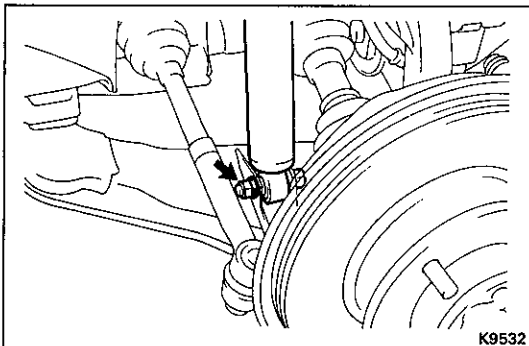


SA1385 SA1386

3. CONNECT FRONT SHOCK ABSORBER TO LOWER ARM

Connect the shock absorber to the lower arm with the bolt and nut.

Torque: 970 kg-cm (70 ft-lb, 95 N-m)



K9532

4. INSTALL FRONT WHEEL

Torque: 1,050 kg-cm (76 ft-lb, 100 N-m)

5. INSPECT FRONT WHEEL ALIGNMENT

(See page SA-7)