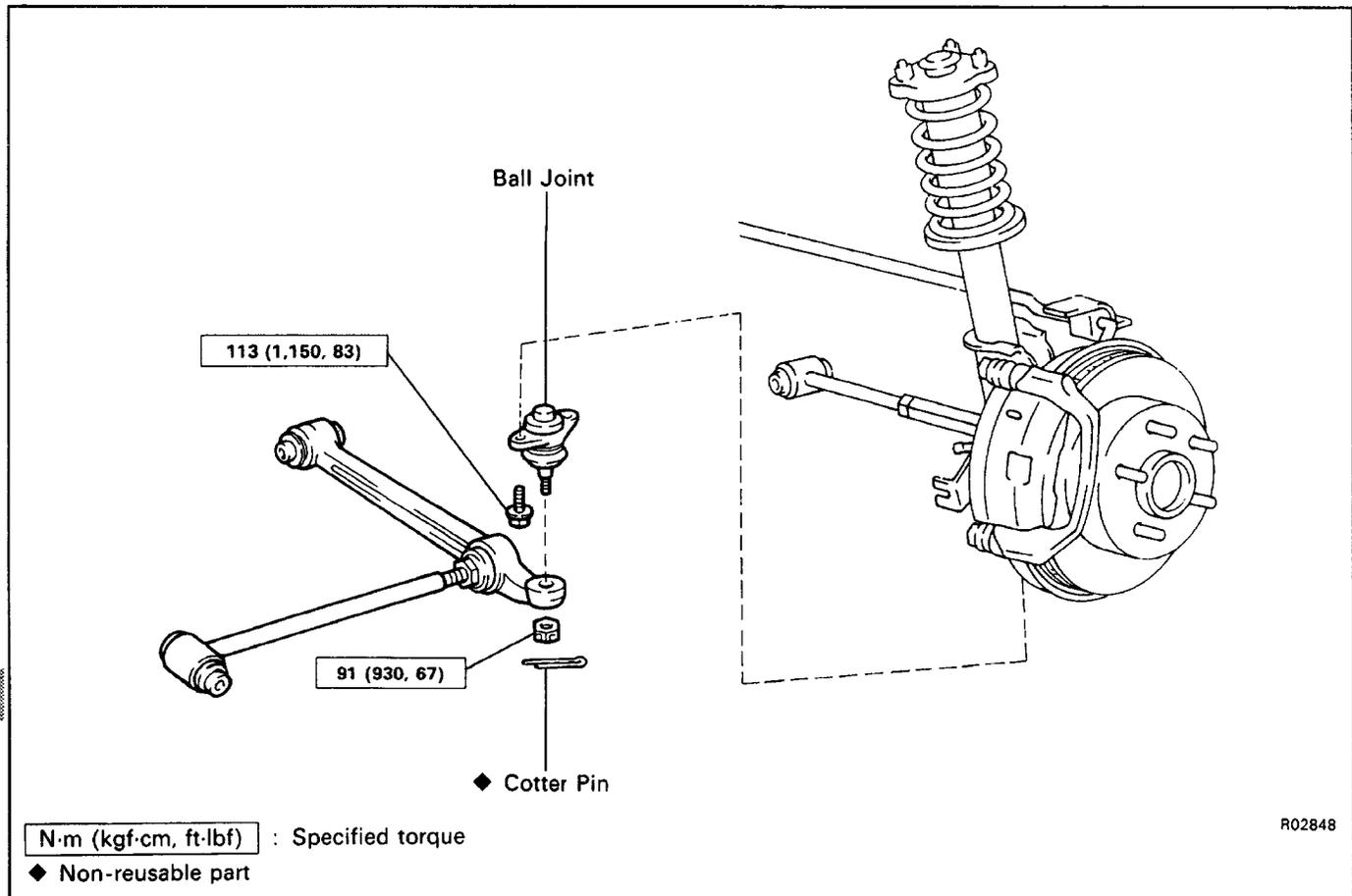


BALL JOINT COMPONENTS

SADD0-01



BALL JOINT ON-VEHICLE INSPECTION

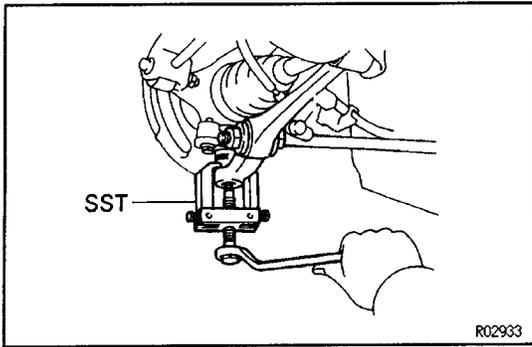
INSPECT BALL JOINTS FOR EXCESSIVE LOOSENESS

- Jack up the rear of the vehicle and place wooden blocks with a height of 180–200 mm (7.09–7.87 in.) under one rear tire.
- Lower the jack until there is about half a load on the front coil spring. Place stands under the vehicle for safety.
- Move the lower arm up and down and check that the ball joint has no excessive play.

Ball joint vertical play:

0 mm (0 in.)

SA002-01

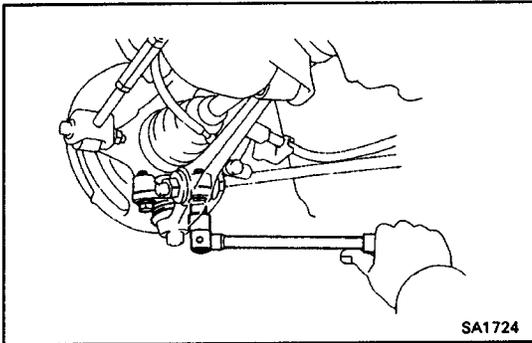


BALL JOINT REMOVAL

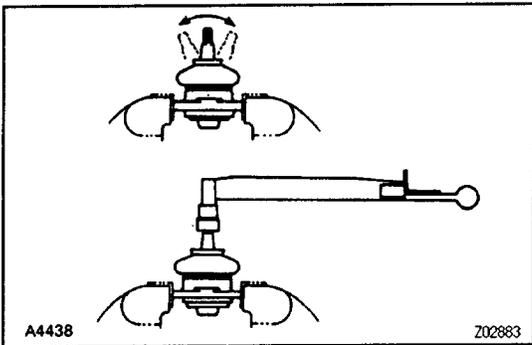
REMOVE BALL JOINTS

- (a) Remove the cotter pin and nut from the lower arm.
- (b) Using SST, disconnect the ball joint from the lower arm.

SST 09628-62011



- (c) Remove the two bolts and ball joint from the rear axle carrier.



BALL JOINT INSPECTION

INSPECT BALL JOINT FOR ROTATION CONDITION

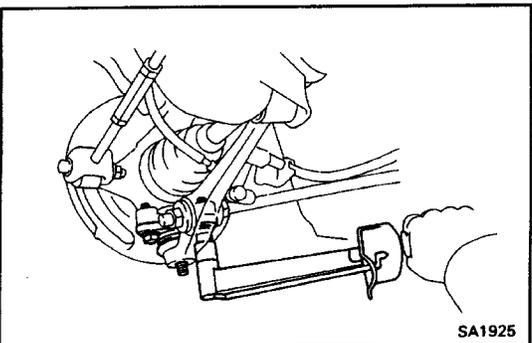
- (a) Flip the ball joint stud back and forth 5 times as, shown in the figure, before installing the nut.
- (b) Using a torque gauge, turn the nut continuously one turn each 2-4 seconds and take the torque reading on the fifth turn.

Torque (turning):

1.47-2.94 N-m (15-30 kgf-cm, 13-26 in.-lbf)

If not within specification, replace the ball joint.

SA003-01



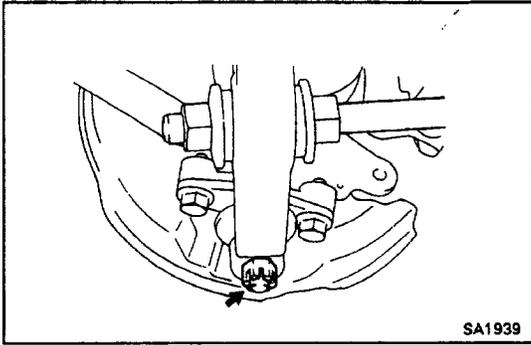
BALL JOINT INSTALLATION

1. INSTALL BALL JOINT TO REAR AXLE CARRIER

Install the ball joint in place with the two bolts.

Torque: 113 N-m (1,150 kgf-cm, 83 ft-lbf)

SA004-01



2. CONNECT LOWER ARM

- (a) Connect the lower arm to the ball joint.
- (b) Install the nut.
Torque: 91 N-m (930 kgf-cm, 67 ft-lbf)
- (c) Install a new cotter pin.