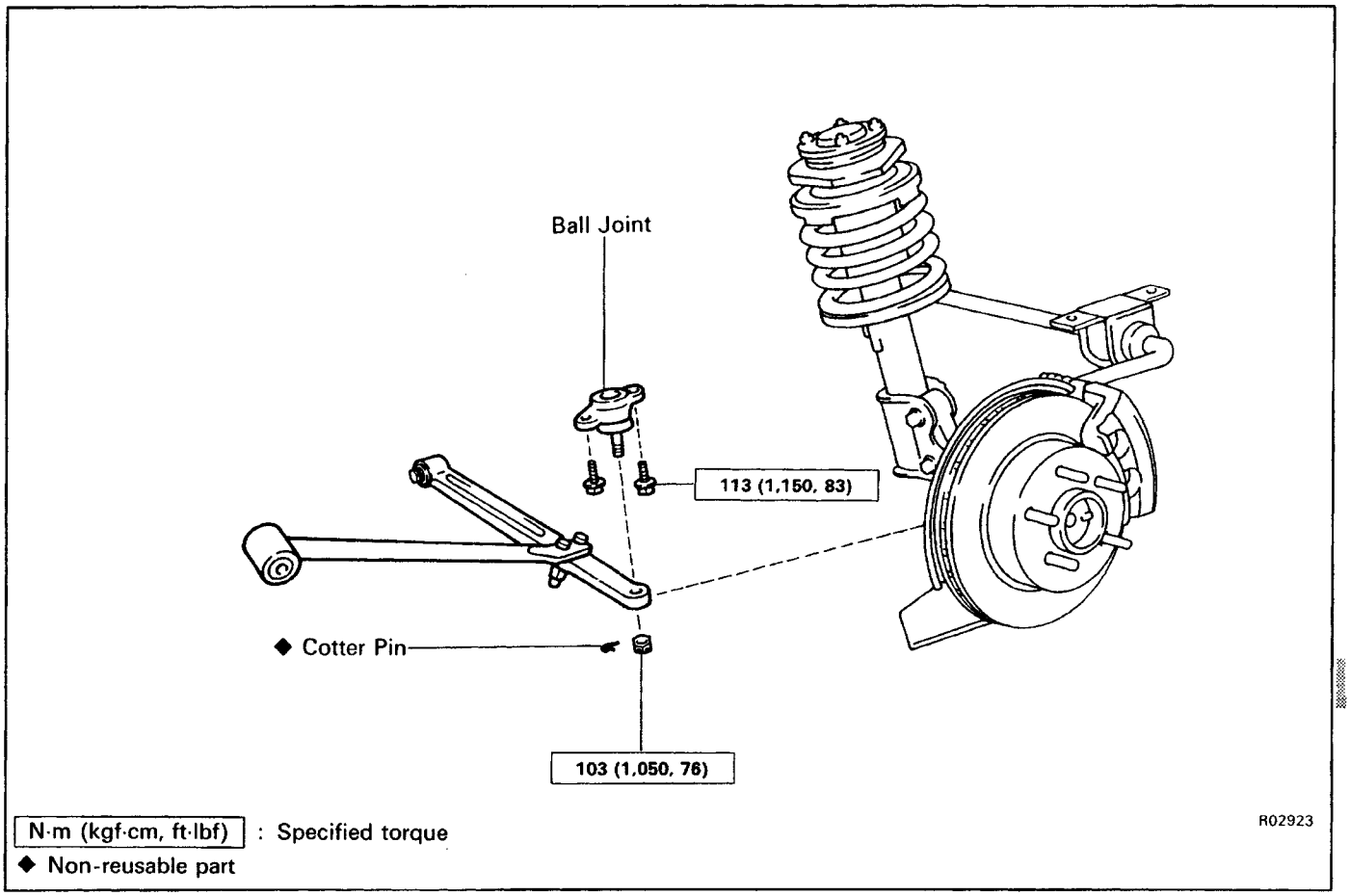
BALL JOINT

SA0BC – 01

COMPONENTS



N·m (kgf·cm, ft·lbf) : Specified torque
◆ Non-reusable part

BALL JOINT ON–VEHICLE INSPECTION

1. INSPECT BALL JOINTS FOR EXCESSIVE LOOSENESS

(a) Jack up the front of the vehicle and place a wooden block with a height of 180–200 mm (7.09–7.87 in.) under one front tire.

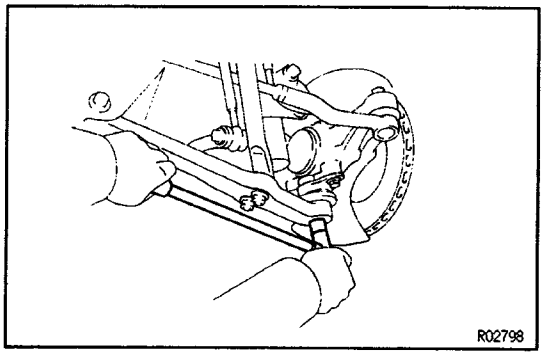
(b) Lower the jack until there is about half a load on the front coil spring. Place stands under the vehicle for safety.

(c) Make sure the front wheels are in a straight forward position and block the wheel with chocks.

(d) Move the lower arm up and down check that the ball joint no excessive play.

Ball joint vertical play:

0 mm (0 in.)



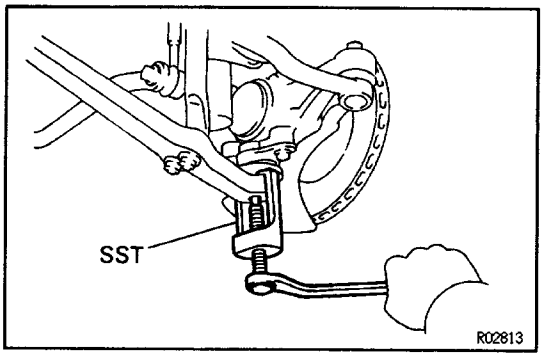
8AC8E-01

BALL JOINT REMOVAL

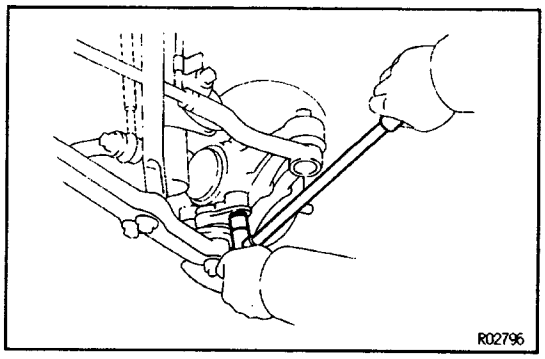
1. JACK UP VEHICLE AND REMOVE FRONT WHEEL

2. DISCONNECT LOWER ARM FROM BALL JOINT

(a) Remove the cotter pin and nut.

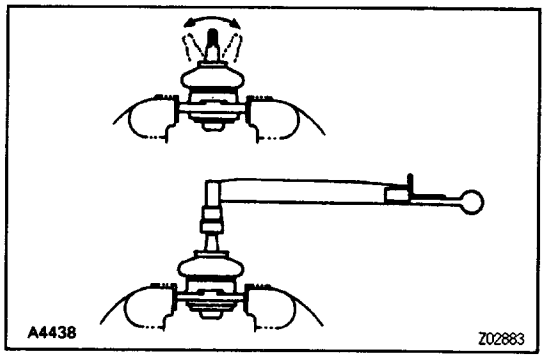


(b) Using SST, disconnect the lower arm from the ball joint.
SST 09610–20012



3. REMOVE BALL JOINT FROM AXLE CARRIER

Remove the two bolts and ball joint.



8AC8F-01

BALL JOINT INSPECTION

1. INSPECT BALL JOINT FOR ROTATION

(a) Remove the ball joint.

(b) Flip the ball joint stud back and forth 5 times as shown in the figure, before installing the nut.

(c) Using a torque gauge, turn the nut continuously one turn each 2–4 seconds and take the torque reading on the fifth turn.

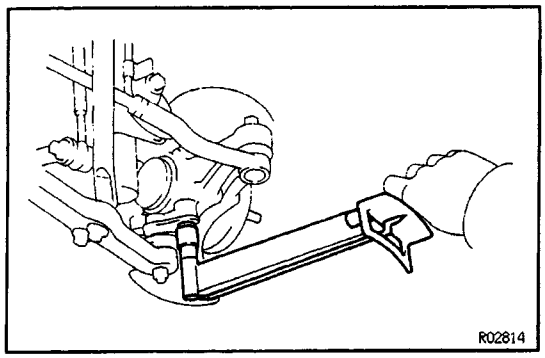
Torque (turning):

0.8 N–m (8–25 kgf–cm, 7–22 in.· lbf)

If not within specification, replace the ball joint.

SA0BG–01

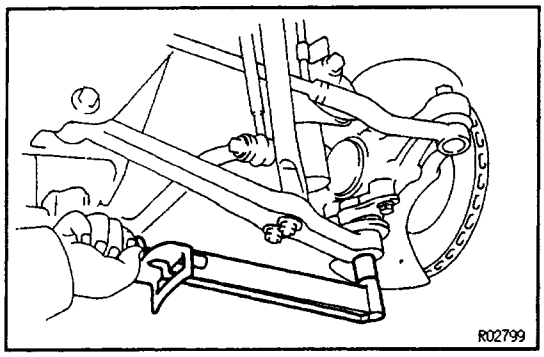
BALL JOINT INSTALLATION



1. INSTALL BALL JOINT TO AXLE CARRIER

Install ball joint to the axle carrier with the two bolts.

Torque: 80 N–m (820 kgf–cm. 59 ft–lbf)



2. CONNECT BALL JOINT TO LOWER ARM

(a) Connect the ball joint to lower arm with the nut.

Torque: 78 N–m (800 kgf–cm, 58 ft–lbf)

(b) Install a new cotter pin.