

2. INSPECT BALL JOINT FOR ROTATION CONDITION

- Remove the ball joint. (See page SA-6)
- Flip the ball joint stud back and forth 5 times as shown in the illustration, before installing the nut.
- Using a torque meter, turn the nut continuously one turn every 2-4 seconds and take the torque reading on the fifth turn.

**Torque (turning): 10 – 35 kg-cm
(9 – 30 in.-lb, 1.0 – 3.4 N-m)**

If not within specification, replace the ball joint.

- Install the ball joint. (See page SA-9)

Lower Arm

(See page SA-28)

REMOVAL OF LOWER ARM [Except A/T (Left Side)]

1. DISCONNECT LOWER ARM FROM STEERING KNUCKLE

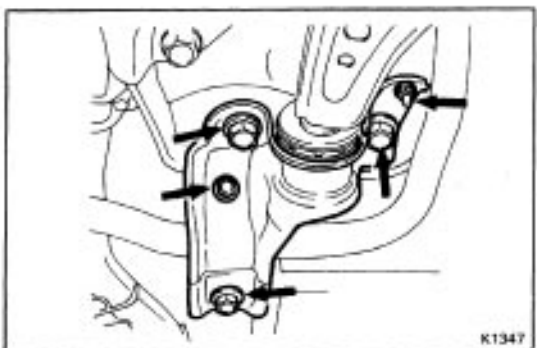
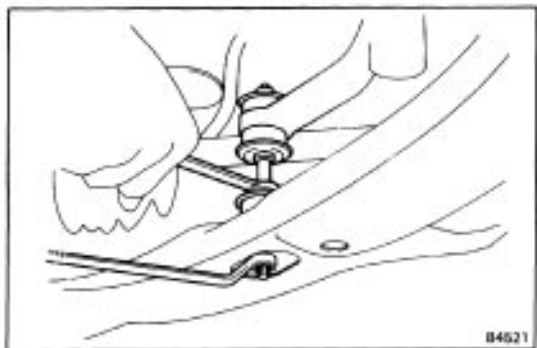
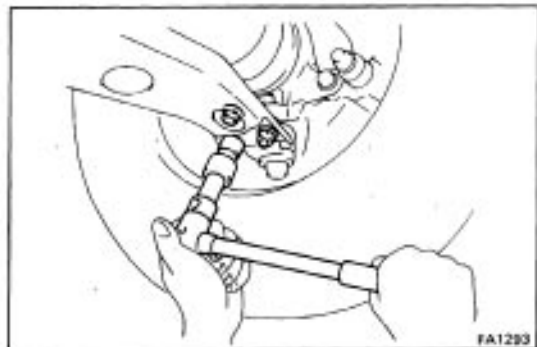
Remove the bolt and two nuts holding the ball joint to the lower arm.

2. DISCONNECT STABILIZER BAR FROM LOWER ARM (2WD 4A-FE Engine and 4WD)

Remove the stabilizer bar nut holding the stabilizer bar to the lower arm and disconnect the stabilizer bar.

(2WD 4A-GE Engine)

Remove the lower nut of the stabilizer bar link and disconnect the stabilizer bar link from the lower arm.



3. REMOVE LOWER ARM

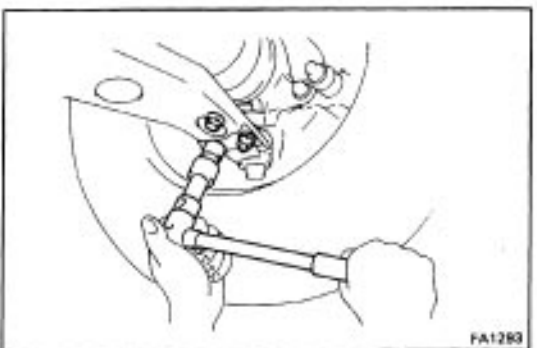
- Loosen the lower arm front bolt.
- Remove the rear bracket bolts and nut.
- Remove the rear bracket and stabilizer bar bracket.
- Remove the lower arm front bolt.
- Remove the lower arm.

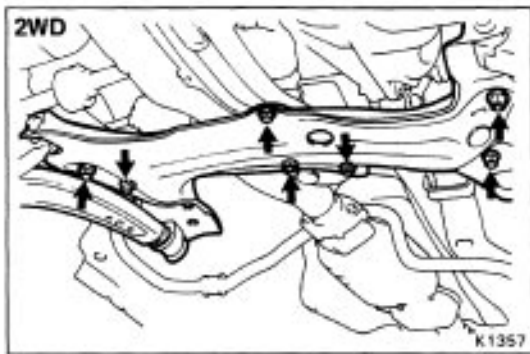
[A/T (Left Side)]

1. DISCONNECT LEFT AND RIGHT LOWER ARMS FROM STEERING KNUCKLES

2. DISCONNECT STABILIZER BAR FROM LOWER ARMS

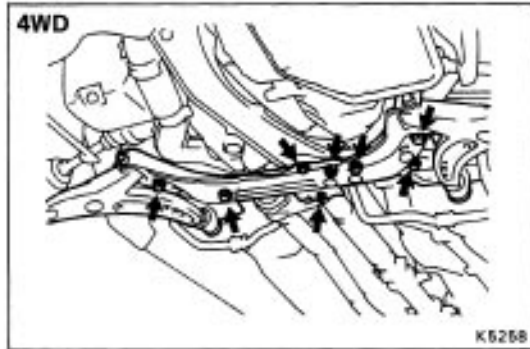
Remove the left and right stabilizer bar nuts holding the stabilizer bar to the lower arms and disconnect the stabilizer bar.



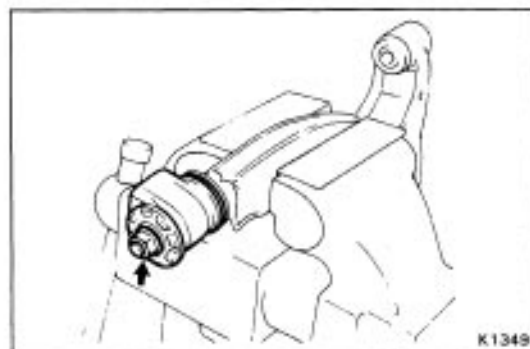
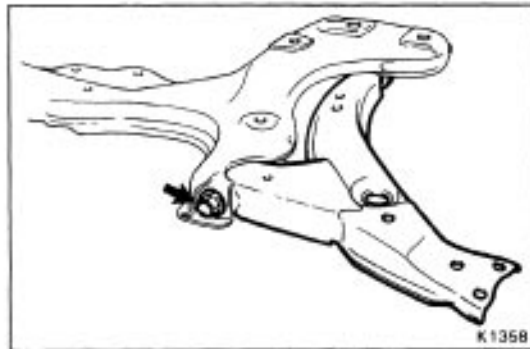


3. REMOVE LOWER ARMS WITH SUSPENSION CROSS-MEMBER

- (a) Remove the left and right lower arm rear brackets.
- (b) Move the stabilizer bar toward rear side, and remove the stabilizer bar bracket.
- (c) Remove the six bolts and two nuts, and remove the suspension crossmember with lower arms.



- (d) Remove the lower arm from the suspension crossmember.



REPLACEMENT OF LOWER ARM REAR BUSHING

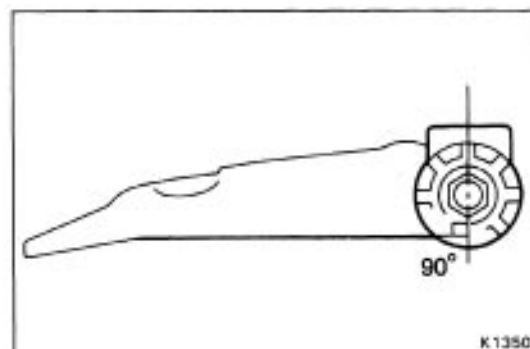
1. REMOVE NUT, RETAINER AND BUSHING

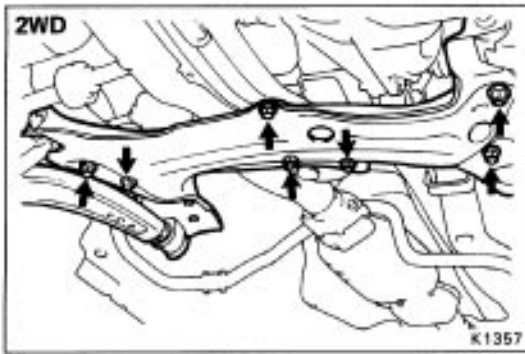
2. INSTALL NEW BUSHING AND RETAINER

Install new bushing and retainer as shown.

3. INSTALL AND TORQUE NUT

Torque: 1,400 kg-cm (101 ft-lb, 137 N-m)



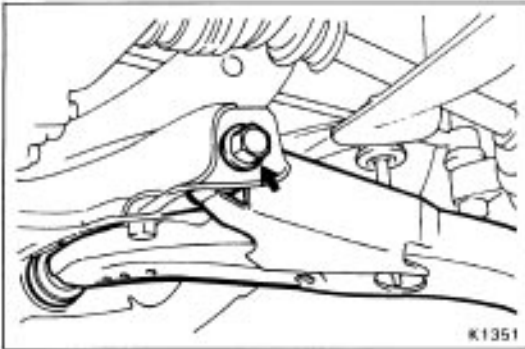
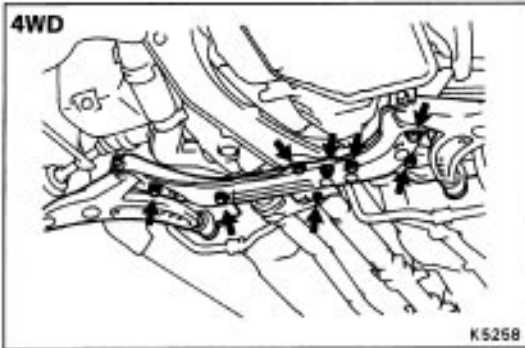


INSTALLATION OF LOWER ARM

1. INSTALL LOWER ARM

[A/T (Left Side)]

- Temporarily install the lower arm to the suspension crossmember with a bolt.
- Install the suspension crossmember with lower arm to the body (See page SA-28).
- Move the stabilizer bar in position and temporarily install the stabilizer bar bracket and rear bracket.



[Except A/T (Left Side)]

- Install the lower arm to the body.
- Move the stabilizer bar in position.
- Temporarily install and tighten the lower arm front bolt.
- Install the stabilizer bar bracket and rear bracket, and temporarily tighten the bolts and nut.



2. CONNECT LOWER ARM TO STEERING KNUCKLE

[Except A/T (Left Side)]

Install and torque the bolt and two nuts.

[A/T (Left Side)]

Install the left and right lower arm to each steering knuckle, and tighten the bolts and nuts.

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



3. CONNECT STABILIZER BAR TO LOWER ARM

(2WD 4A-FE Engine and 4WD)

Connect the stabilizer bar to the lower arm with the bolt and nut. Torque the nut.

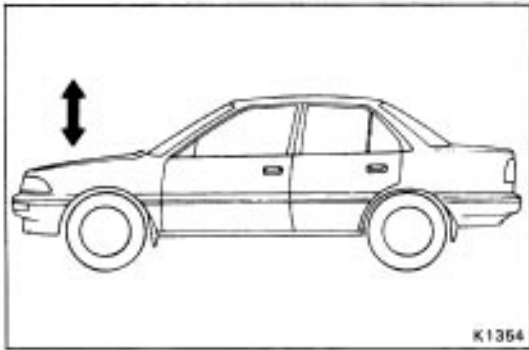
If necessary, connect another side.

Torque: 180 kg-cm (13 ft-lb, 18 N-m)

(2WD 4A-GE Engine)

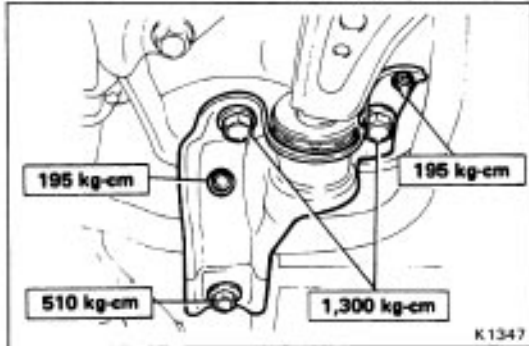
Connect the stabilizer bar link to the lower arm with the nut.

Torque: 360 kg-cm (26 ft-lb, 35 N-m)



4. TORQUE FRONT LOWER ARM BOLT, REAR BRACKET BOLTS AND NUT OF LOWER ARM

(a) Remove the stands and bounce the vehicle up and down to stabilize the suspension.



(b) Torque the front lower arm bolt, rear bracket bolts and nut.

Torque:

Lower arm front bolt 2,400 kg-cm (174 ft-lb, 235 N-m)

Rear bracket

(Lower arm side) 1,300 kg-cm (94 ft-lb, 127 N-m)

(Stabilizer bar side) 510 kg-cm (37 ft-lb, 50 N-m)

(Small bolt and nut) 195 kg-cm (14 ft-lb, 19 N-m)

5. CHECK FRONT WHEEL ALIGNMENT

(See page SA-3)

Stabilizer Bar

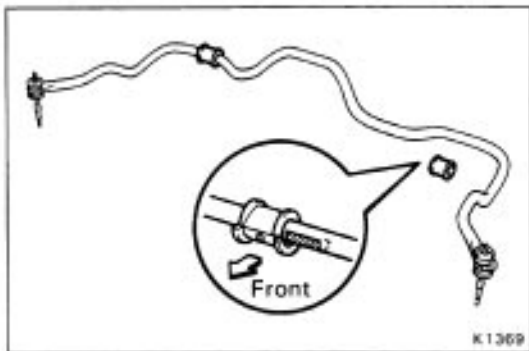
REMOVAL AND INSTALLATION OF STABILIZER BAR

(See page SA-28)

HINT:

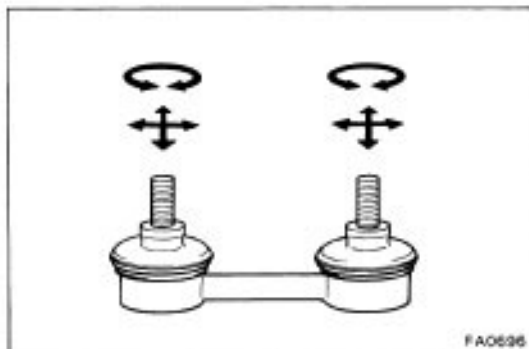
(4WD)

When removing the propeller shaft, remove the propeller shaft as an assembly.



MAIN POINT OF INSTALLATION STABILIZER BAR

Install the cushion touching the line painted on the stabilizer bar so that the arrow is positioned underneath with the arrow facing toward the front of the vehicle.



(2WD 4A-GE ENGINE)

INSPECTION OF STABILIZER BAR LINK

INSPECT STABILIZER BAR LINK

Rotate ball joint arm in all directions. If the movement is not smooth and free, replace the stabilizer bar link.