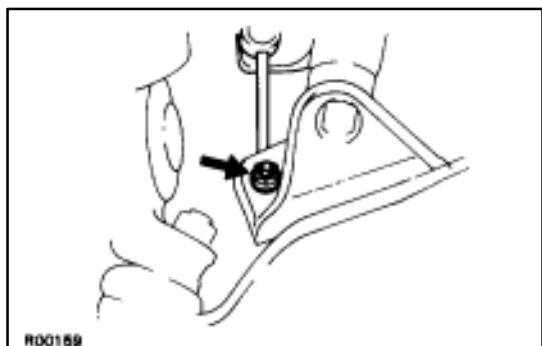
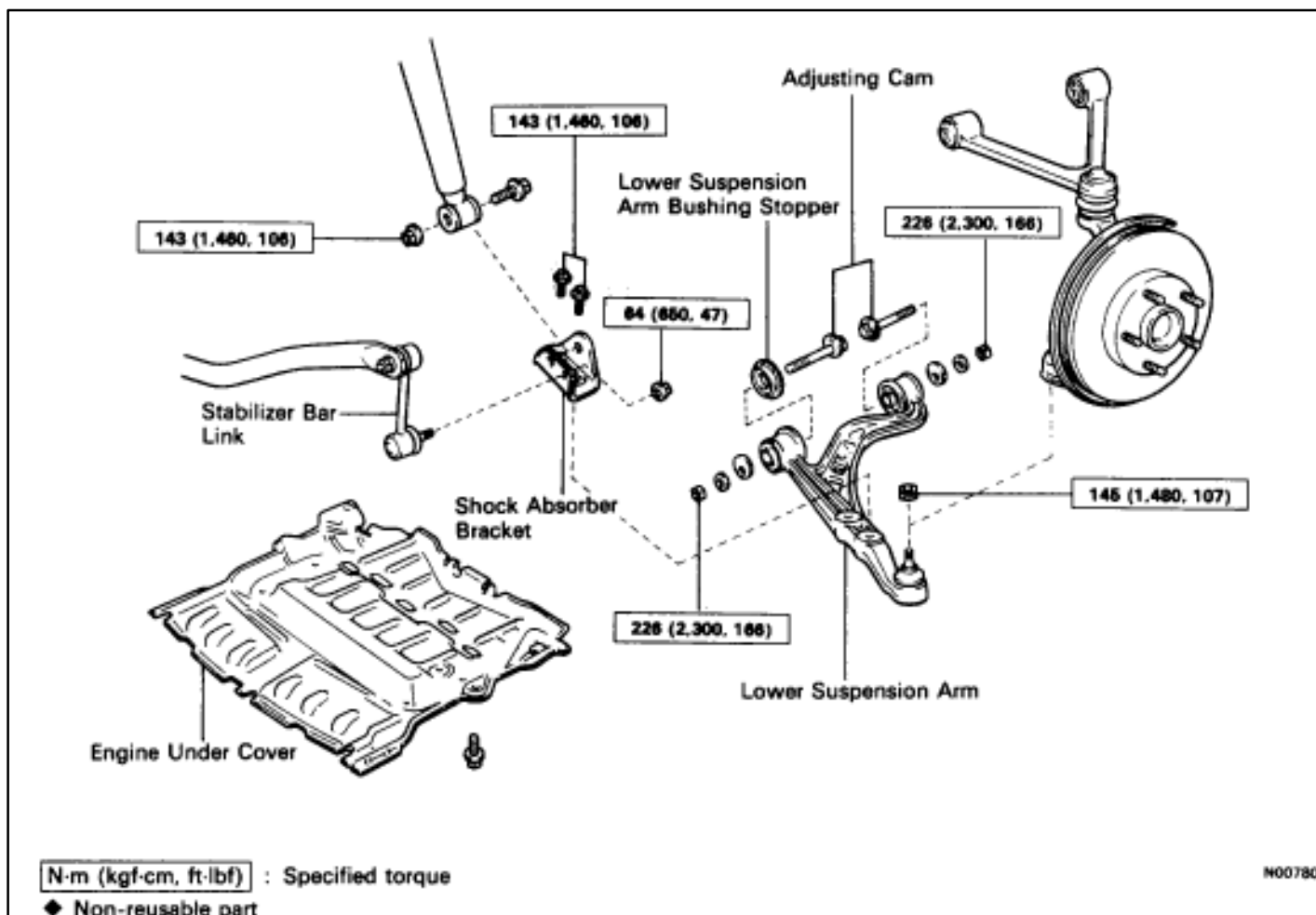


Lower Suspension Arm COMPONENTS



Lower Suspension Arm REMOVAL OF LOWER SUSPENSION ARM

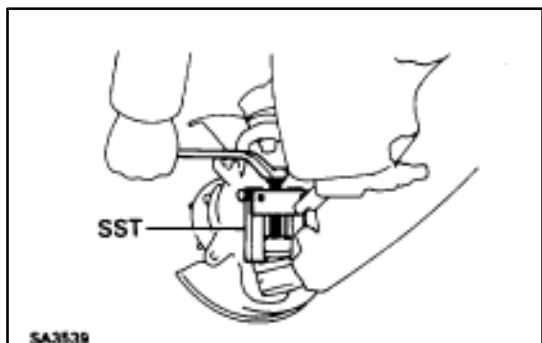
1. JACK UP VEHICLE AND REMOVE FRONT WHEEL
2. REMOVE ENGINE UNDER COVER
3. DISCONNECT STABILIZER BAR LINK FROM LOWER SUSPENSION ARM

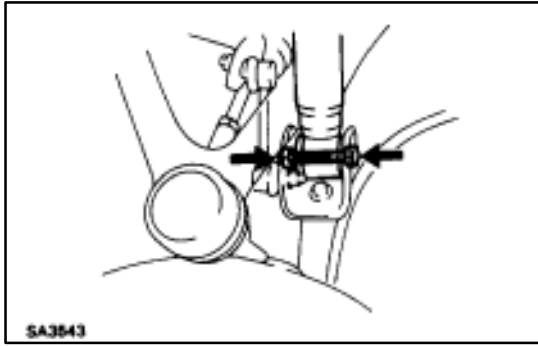
Remove the nut and disconnect the link from the arm.

4. DISCONNECT STEERING KNUCKLE

- (a) Remove the clip and nut.
- (b) Using SST, disconnect the steering knuckle from the lower suspension arm.

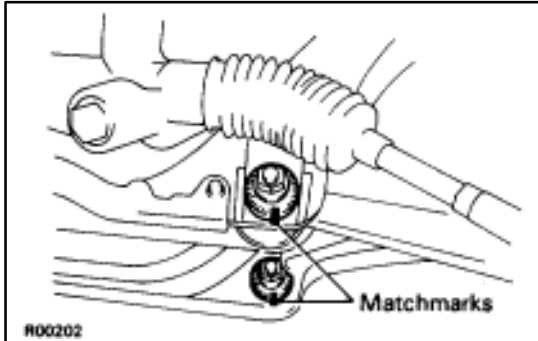
SST 09628-62011



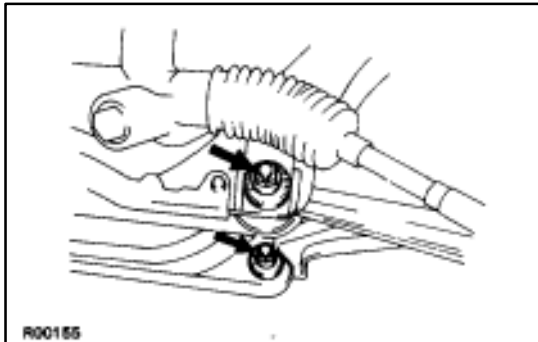


5. REMOVE LOWER SUSPENSION ARM

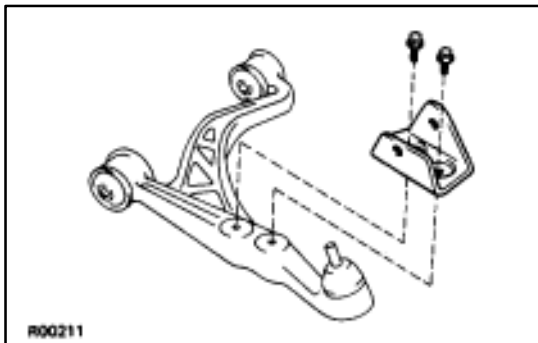
- (a) Remove the bolt and nut and disconnect the lower suspension arm from the shock absorber.



- (b) Before loosen the adjusting cam, place matchmarks on the front and rear adjusting cams and body.

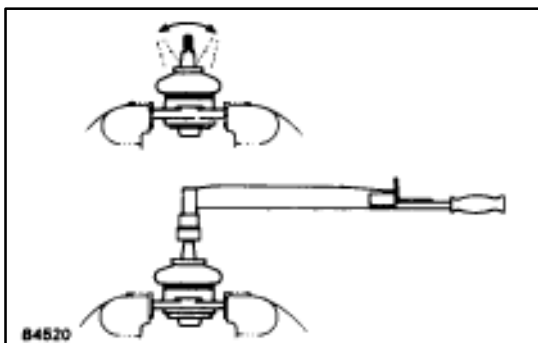


- (c) Remove the nuts and adjusting cams and remove the lower suspension arm.



6. REMOVE SHOCK ABSORBER BRACKET FROM LOWER SUSPENSION ARM

Remove the two bolts and the bracket from the arm.



INSPECTION OF LOWER BALL JOINT

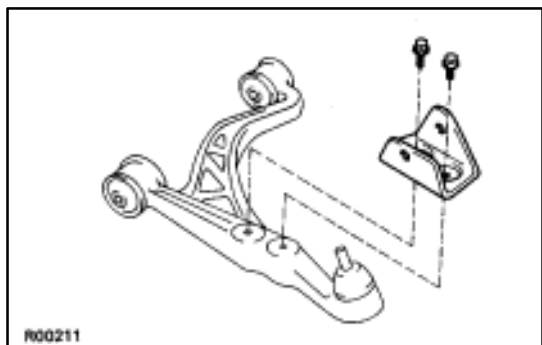
INSPECT BALL JOINT FOR ROTATION CONDITION

- (a) As shown, flip the ball joint stud back and forth 5 times before install the nut.
- (b) Using a torque gauge, turn the nut continuously one turn per 2–4 seconds and take the torque reading on the 5th turn.

Torque (turning): 1.0–3.4 N·m

(10–35 kgf·cm, 9–30 in.-lbf)

If not within specification, replace the lower suspension arm.

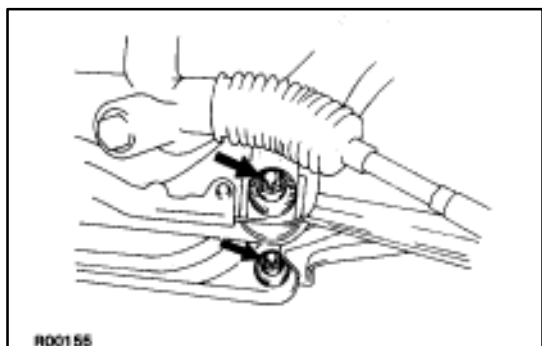


INSTALLATION OF LOWER SUSPENSION ARM

1. INSTALL SHOCK ABSORBER BRACKET TO LOWER SUSPENSION ARM

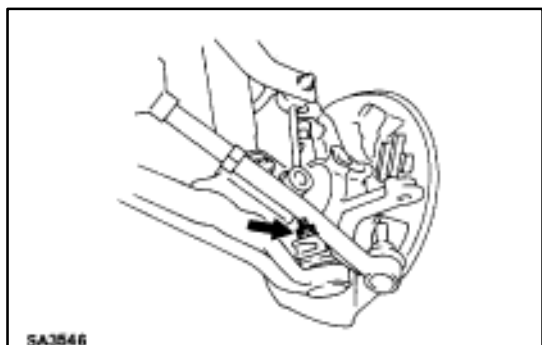
Install the bracket to the arm with the two bolts.

Torque: 143 N·m (1,460 kgf·cm, 106 ft·lbf)



2. INSTALL LOWER SUSPENSION ARM

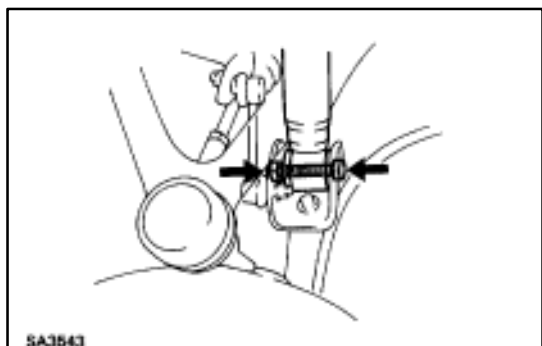
(a) Install the lower suspension arm to the body and temporarily install the adjusting cams and nut.



(b) Connect the lower suspension arm to the steering knuckle.

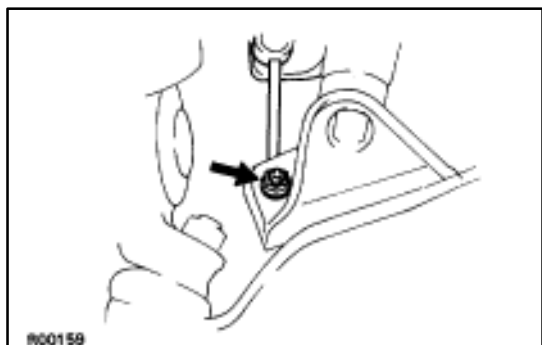
Torque: 125 N·m (1,270 kgf·cm, 92 ft·lbf)

(c) Install a new clip.



(d) Connect the shock absorber to the lower suspension arm with the bolt and nut.

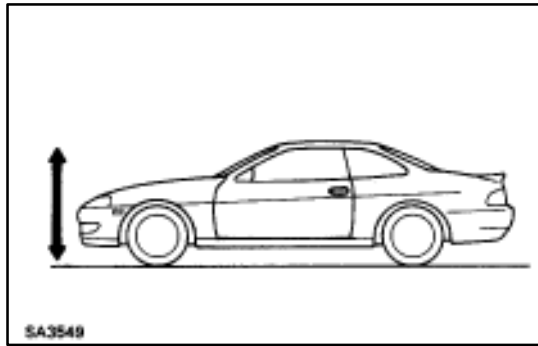
Torque: 143 N·m (1,460 kgf·cm, 106 ft·lbf)



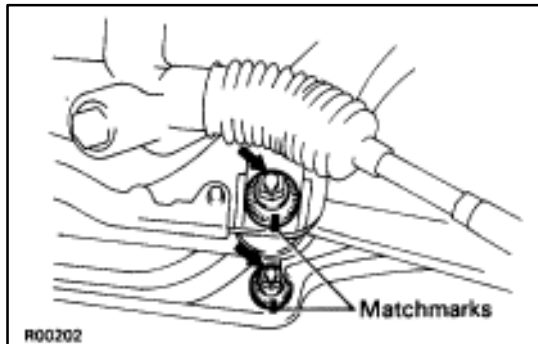
2. CONNECT STABILIZER BAR LINK

(a) Connect the stabilizer bar link to the lower suspension arm with the nut.

Torque: 64 N·m (650 kgf·cm, 47 ft·lbf)

**3. STABILIZE SUSPENSION**

- (a) Install the front wheel and jack down the vehicle.
- (b) Bounce the vehicle up and down several times to stabilize the suspension.

**4. TORQUE ADJUSTING CAMS AND NUTS**

- (a) Jack up the vehicle.
- (b) Support the lower arm with jack.
- (c) Align the matchmarks and torque the adjusting cams and nuts with the vehicle weight on the suspension.

Torque: 226 N·m (2,300 kgf·cm, 166 ft·lbf)

5. INSTALL ENGINE UNDER COVER**6. INSTALL FRONT WHEEL****7. CHECK FRONT WHEEL ALIGNMENT**

(See page [SA-4](#))