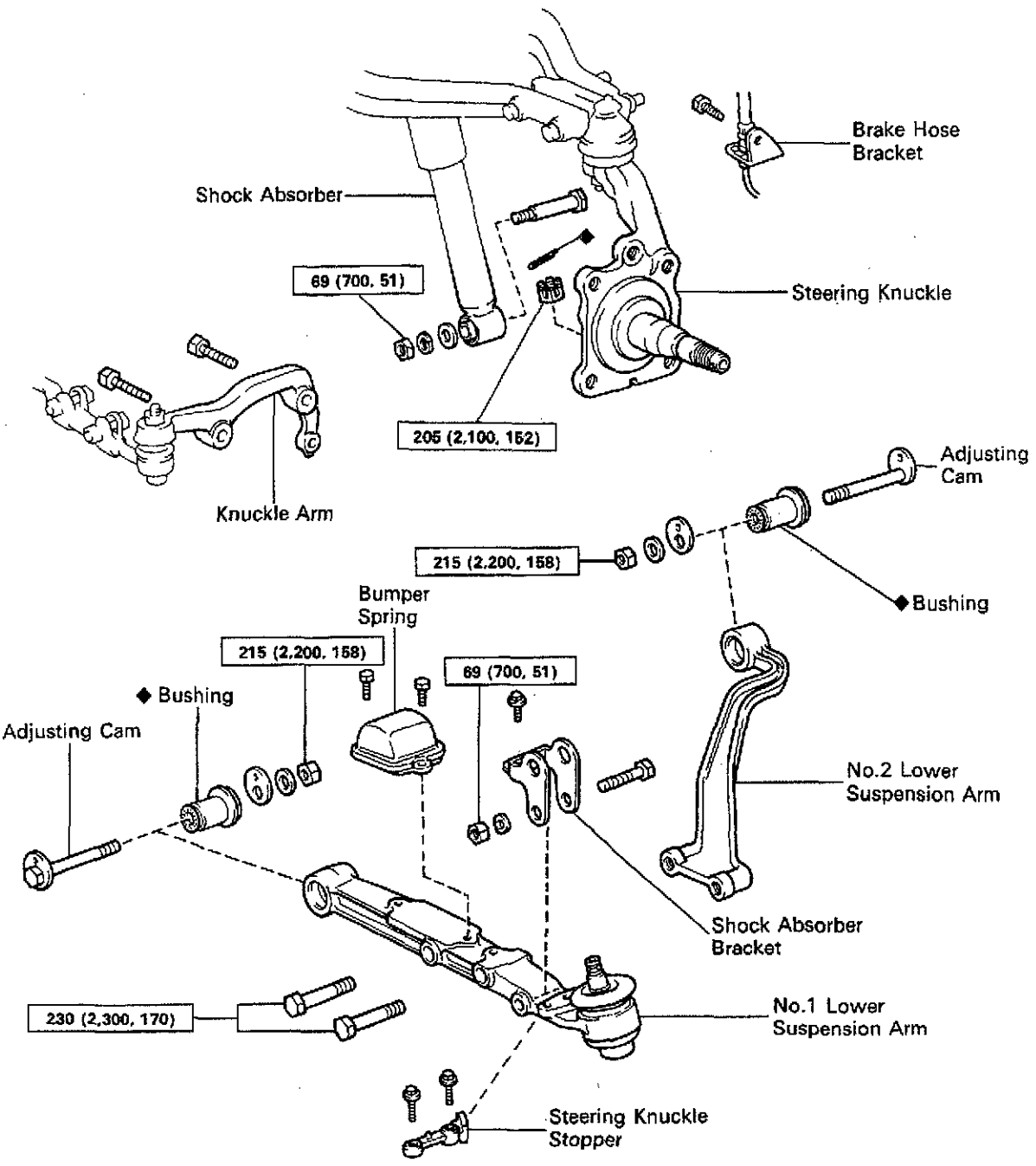
LOWER SUSPENSION ARM WITH BALL JOINT

COMPONENTS

SA0XB-01



N·m (kgf-cm, ft-lbf) : Specified torque

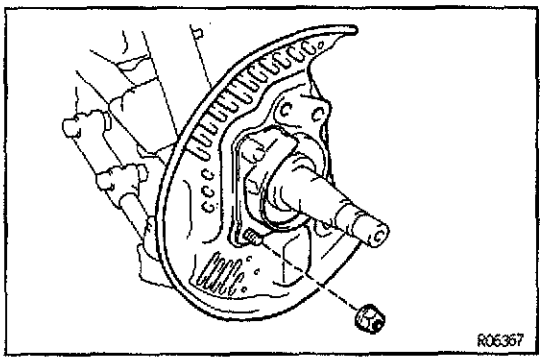
◆ Non-reusable part

R06252

SA020C-01

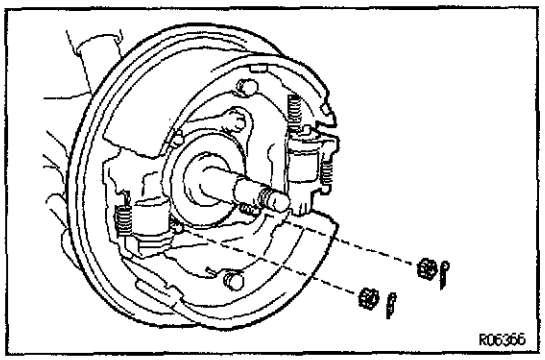
LOWER SUSPENSION ARM REMOVAL

1. **JACK UP AND SUPPRT FRAME ON STANDS**
2. **REMOVE FRONT WHEEL**
3. **REMOVE FRONT AXLE HUB**
   (See page SA–11)

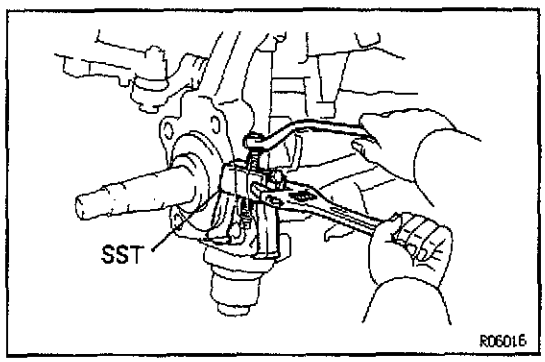


4. **DISCONNECT KNUCKLE ARM**

(a) (w/ Disc brake)
Remove the nut and bolt, and disconnect the knuckle arm from the steering knuckle.

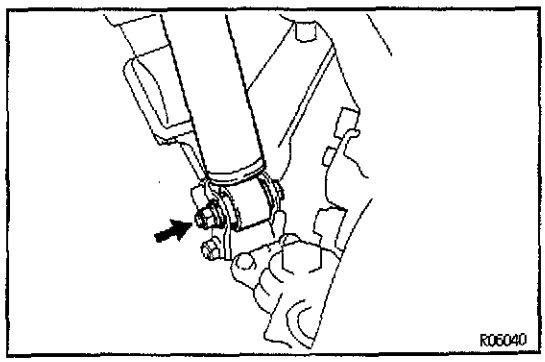


(b) (w/ Drum brake)
Remove the 2 cotter pins, nuts and bolts, and disconnect the knuckle arm from the steering knuckle.



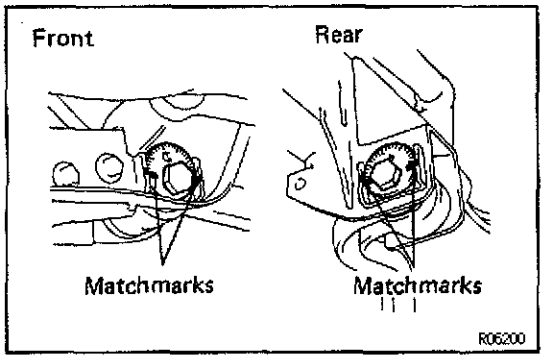
5. **DISCONNECT LOWER SUSPENSION ARM FROM STEERING KNUCKLE**

(a) Support the lower arm with a jack.
(b) Remove the cotter pin and loosen the nut.
NOTICE: Only loosen the nut until SST can be caught, do not remove it.
(c) Using SST, disconnect the lower suspension arm from the steering knuckle.
SST 09628–62011
(d) Remove the lower ball joint nut.



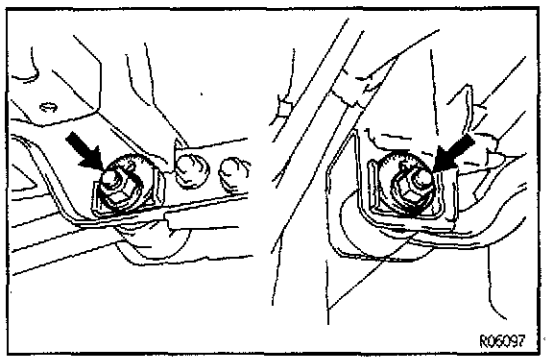
6. **DISCONNECT FRONT SHOCK ABSORBER**

(a) Remove the front shock absorber lower set bolt and nut.
(b) Remove the jack from the lower arm.



7. REMOVE LOWER SUSPENSION ARM

(a) Place matchmarks on the front and rear adjusting cams.

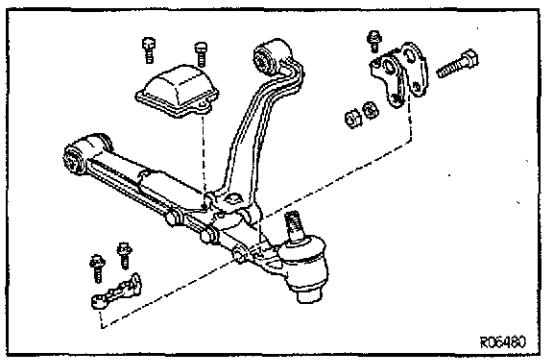


(b) Remove the nuts and adjusting cams, and remove the lower suspension arm.

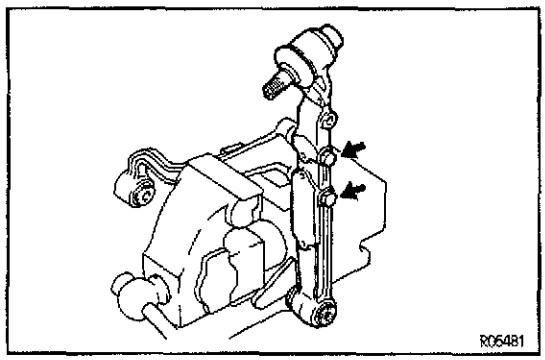
LOWER SUSPENSION ARM DISASSEMBLY

SA0XD-01

DISASSEMBLE LOWER SUSPENSION ARM



(a) Remove following parts:
- Bumper spring
- Shock absorber lower bracket
- Steering knuckle stopper

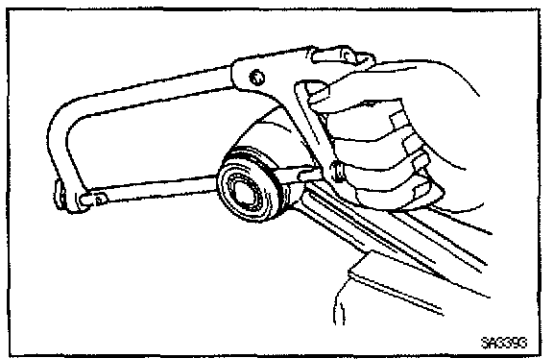


(b) Remove the 2 bolts and No.1 lower suspension arm from the No. 2 suspension arm.

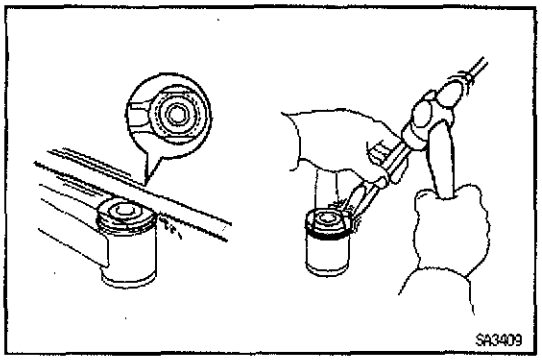
LOWER SUSPENSION ARM BUSHING REPLACEMENT

SA0XE-01

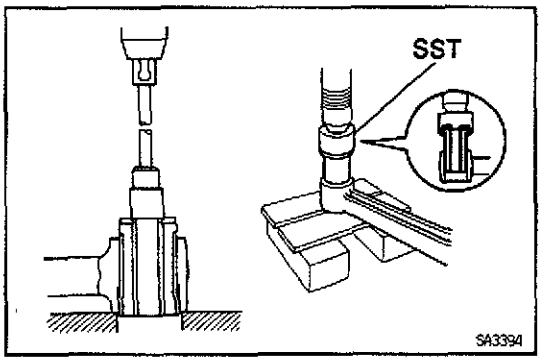
REPLACE LOWER SUSPENSION ARM BUSHING



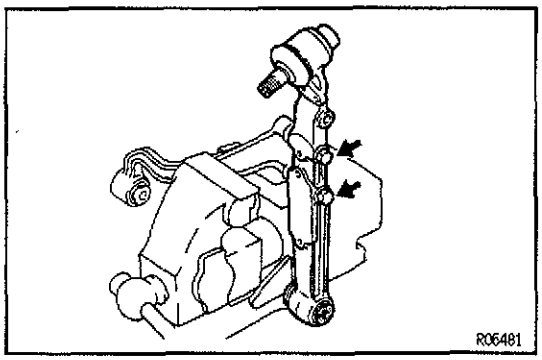
(a) Cut off the retainer for the lower arm bushing.



(b) Cut off the flange area of the bushing.
(c) Bend the remaining portions inward with a cold chisel.



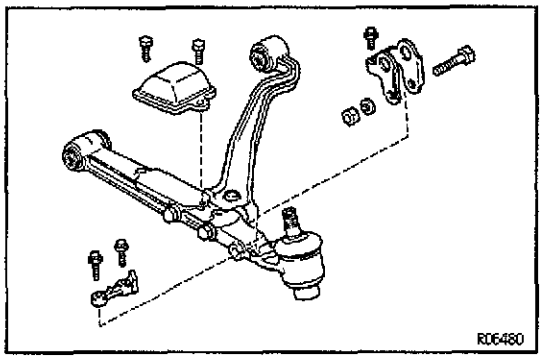
(d) Using a press and socket wrench, remove the bushing.
(e) Using SST and a press, install a new bushing.
SST 09726–36010



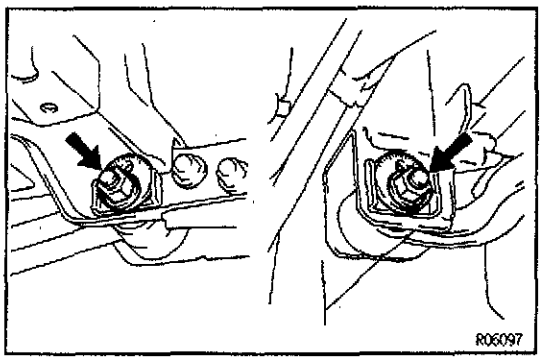
LOWER SUSPENSION ARM ASSEMBLY [8A0XF-01]

ASSEMBLE LOWER SUSPENSION ARM

(a) Install the 2 bolts and No.1 lower suspension arm to the No. 2 suspension arm.
Torque: 230 N·m (2,300 kgf·cm, 170 ft·lbf)



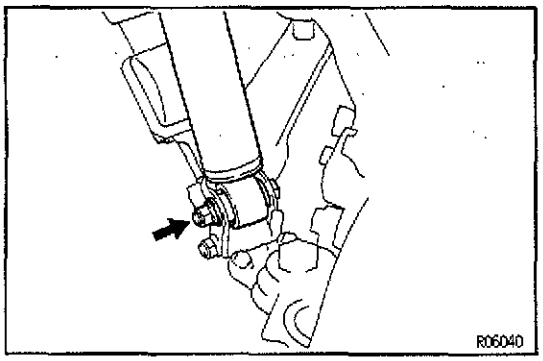
(b) Install following parts:
- Bumper spring
- Shock absorber lower bracket
- Steering knuckle stopper



LOWER SUSPENSION ARM INSTALLATION [8A0XG-01]

1. INSTALL LOWER SUSPENSION ARM

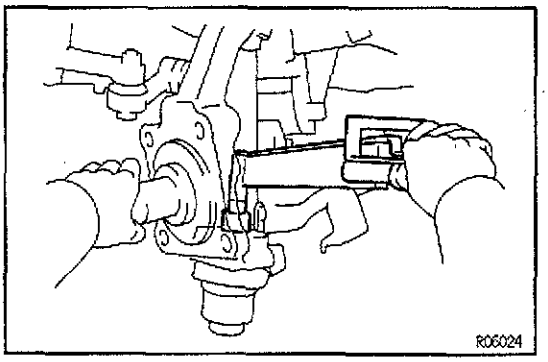
(a) Install the lower suspension arm to the frame with adjusting cams.
(b) Temporarily install the 2 nuts to the front and rear adjusting cams.



2. CONNECT FRONT SHOCK ABSORBER AND LOWER SUSPENSION ARM

(a) Jack up the lower suspension arm, then connect the shock absorber and lower suspension arm.

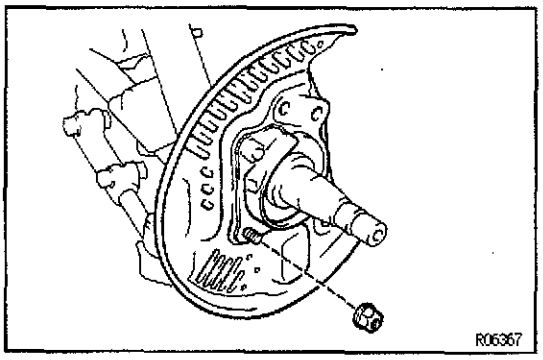
(b) Torque the front shock absorber lower set nut.
Torque: 69 N·m (700 kgf·cm, 51 ft·lbf)



(c) Torque the lower ball joint.
Torque: 205 N·m (2,100 kgf·cm, 152 ft·lbf)

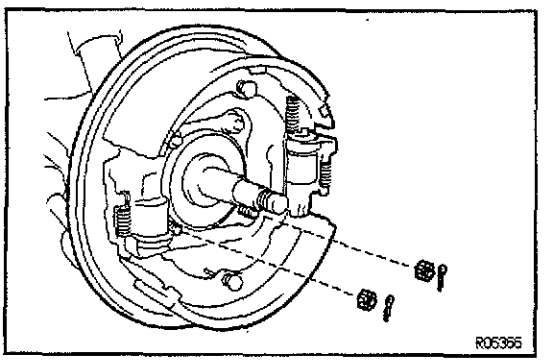
(d) Install a new cotter pin.

SA



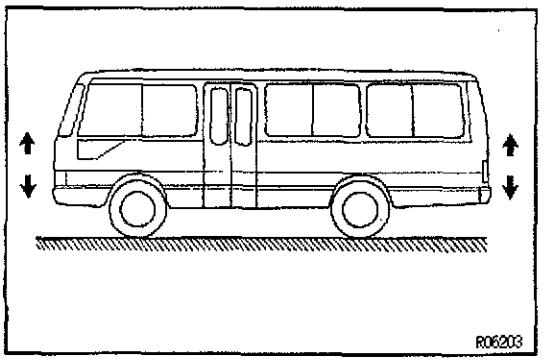
3. CONNECT KNUCKLE ARM

(a) (w/ Disc brake)
Connect the knuckle arm with the bolt and nut.
Torque: 220 N·m (2,250 kgf·cm, 163 ft·lbf)



(b) (w/ Drum brake)
Connect the knuckle arm with the 2 bolts and nuts.
Torque: 185 N·m (1,900 kgf·cm, 137 ft·lbf)

(c) Install 2 new cotter pins.

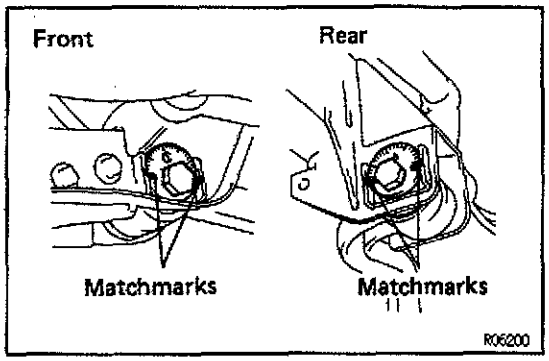


4. INSTALL FRONT AXLE HUB
(See page SA–15)

5. STABILIZE SUSPENSION

(a) Install the front wheel and lower the vehicle.
Torque: 515 N·m (5,250 kgf·cm, 380 ft·lbf)

(b) Bounce the vehicle up and down several times to allow the suspension to settle.



6. **TORQUE ADJUSTING CAMS**
   Align the matchmarks and torque the adjusting nut.
   Torque: 215 N·m (2,200 kgf·cm, 158 ft·lbf)
7. **CHECK FRONT WHEEL ALIGNMENT**
   (See page SA–4)

SA