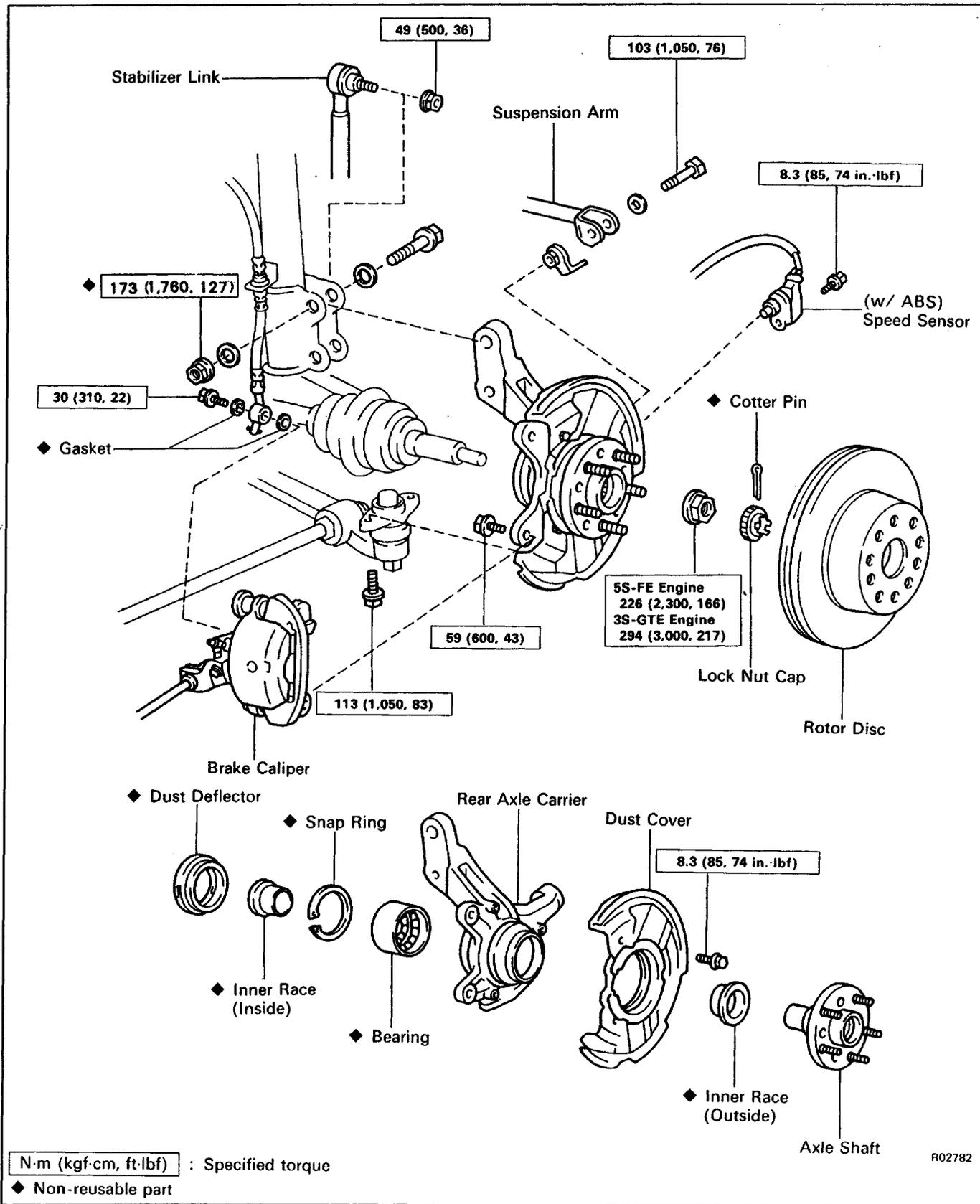
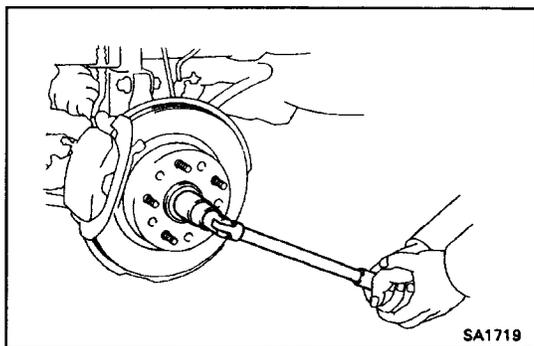


REAR AXLE SHAFT AND CARRIER COMPONENTS

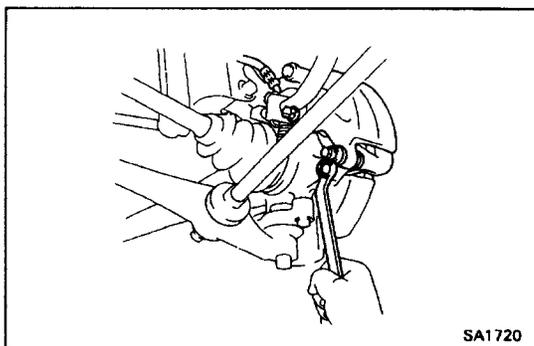




REAR AXLE SHAFT AND CARRIER REMOVAL

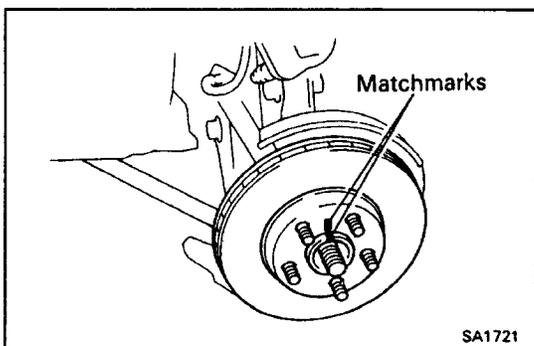
1. JACK UP VEHICLE AND REMOVE REAR WHEEL 2. REMOVE COTTER PIN, BEARING LOCK NUT CAP AND BEARING LOCK NUT

- Remove the cotter pin and bearing lock nut cap.
- With the parking brake lever pulled, remove the bearing lock nut.
- Release the parking brake lever.



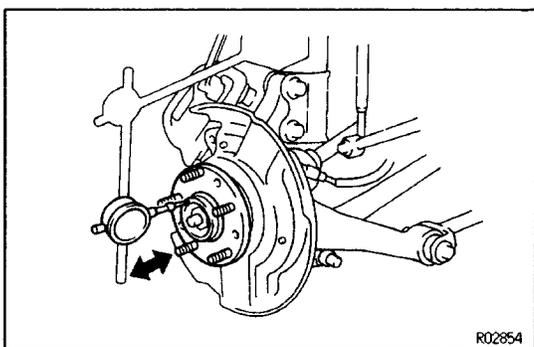
3. REMOVE BRAKE CALIPER

Remove the brake caliper from the rear axle carrier and suspend it with wire.



4. REMOVE ROTOR DISC

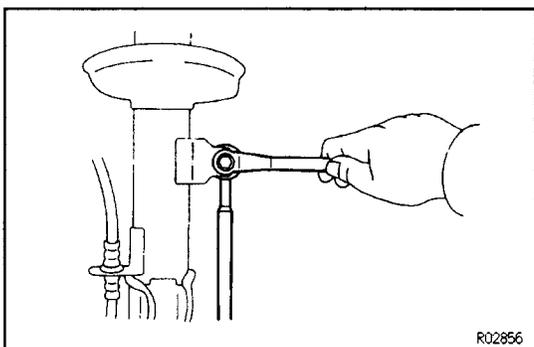
HINT: Before removing the rotor disc, place the matchmarks on the axle shaft and rotor disc.



5. CHECK BEARING PLAY IN AXIAL DIRECTION Bearing play:

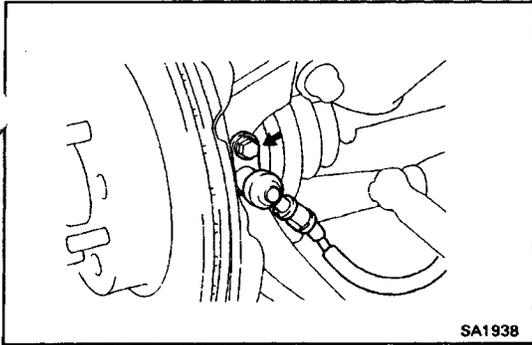
0.05 mm (0.0020 in.) or less

HINT: Measure the bearing play when install the lock nut to the drive shaft.

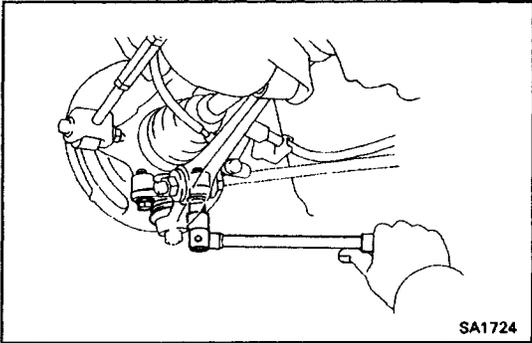


6. DISCONNECT STABILIZER LINK

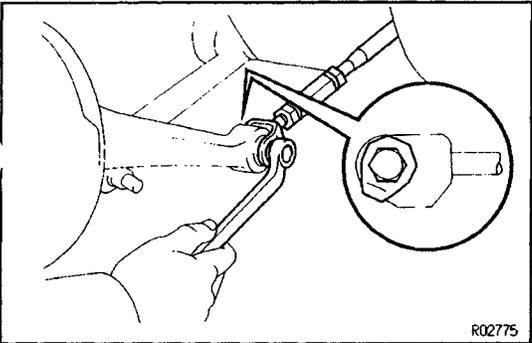
Remove the nut and disconnect the stabilizer bar link.
HINT: If the ball joint stud turns together with the nut, use a hexagon wrench 5 mm (0.197 in.) to hold the stud.

**7. (w/ABS)****REMOVE SPEED SENSOR FROM AXLE CARRIER**

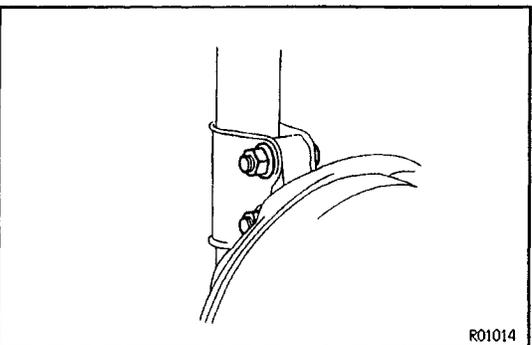
Remove the bolt and pull out the speed sensor.

**8. DISCONNECT BALL JOINT AND LOWER ARM**

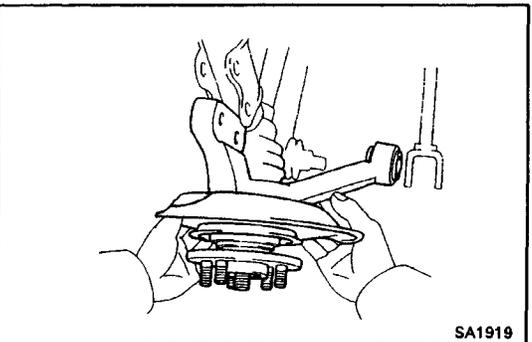
Remove the two bolts holding the ball joint to the rear axle carrier.

**9. DISCONNECT SUSPENSION ARM**

Remove the nut and bolt, then disconnect the suspension arm.

**10. REMOVE REAR AXLE CARRIER WITH AXLE SHAFT**

(a) Remove the nuts, washers and bolts.

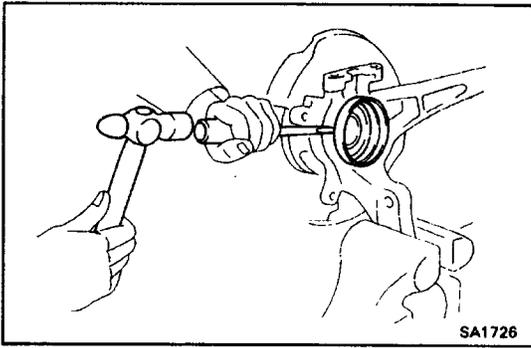


(b) Remove the rear axle carrier.

NOTICE: Cover the drive shaft boot with cloth to protect it from damage.

(w/ ABS)

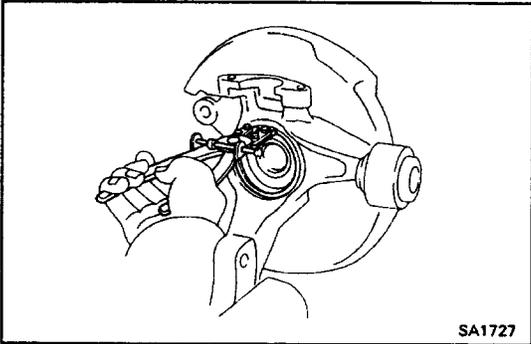
NOTICE: Be careful not to damage the speed sensor rotor of the drive shaft.



REAR AXLE SHAFT AND CARRIER DISASSEMBLY

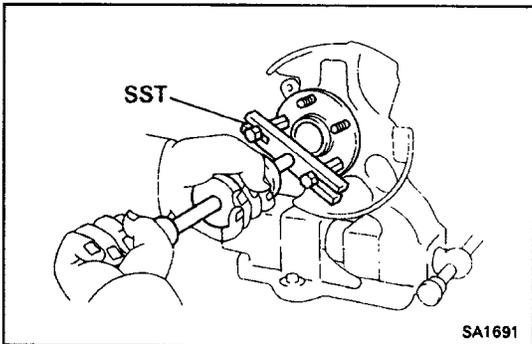
1. REMOVE DUST DEFLECTOR

- (a) Clamp the rear axle carrier and carrier in a soft jaw vise.
- (b) Using a screwdriver, remove the dust deflector.



2. REMOVE HOLE SNAP RING

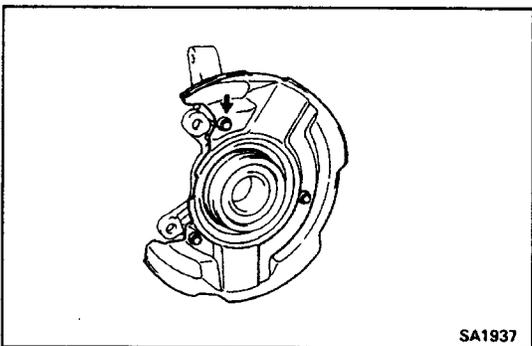
- . Using snap ring pliers, remove the hole snap ring.



3. REMOVE AXLE SHAFT

Using SST, remove the axle shaft from the rear axle carrier.

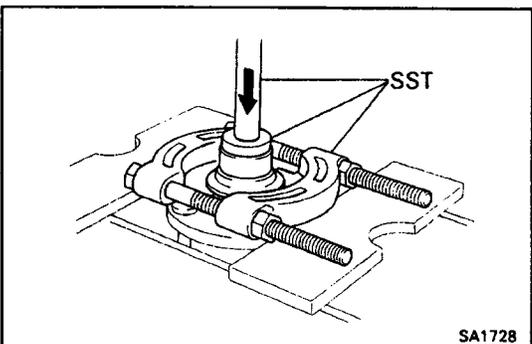
SST 09520-00031



4. REMOVE DISC BRAKE DUST COVER

- (a) Remove the three bolts holding the disc brake dust cover to the rear axle carrier.
- (b) Remove the disc brake dust cover.

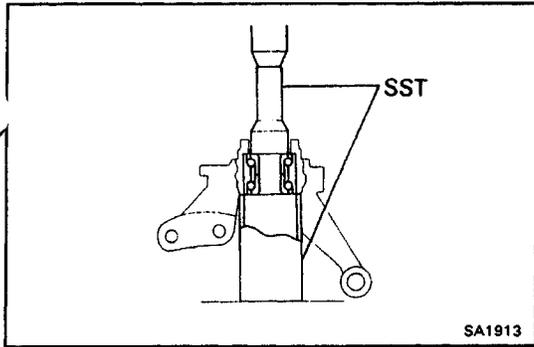
5. REMOVE BEARING INNER RACE (INSIDE)



6. REMOVE BEARING INNER RACE (OUTSIDE)

Using SST, remove the inner race (outside) from the rear axle shaft.

SST 09608-20012 (09608-00040,09608-03020),
09950-00020



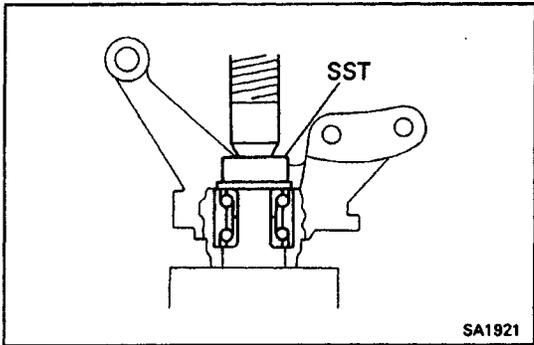
7. REMOVE AXLE BEARING

(a) First place the removed inner race (outside) in the bearing.

(b) Using SST and a press, press out the bearing.

SST 09310-35010, 09527-17010

NOTICE: Always replace the bearing as an assembly.



REAR AXLE SHAFT AND CARRIER ASSEMBLY

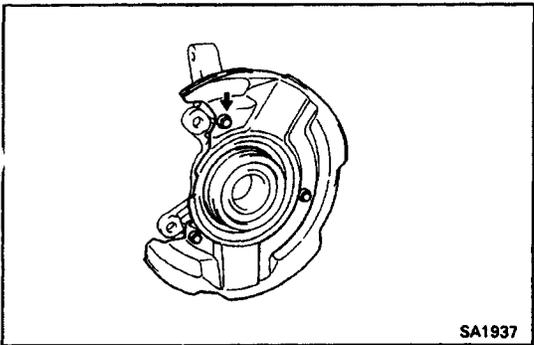
SA000-01

1. INSTALL AXLE BEARING

Using SST and a press, press a new bearing into the rear axle carrier.

SST 09710-22041(09710-02050)

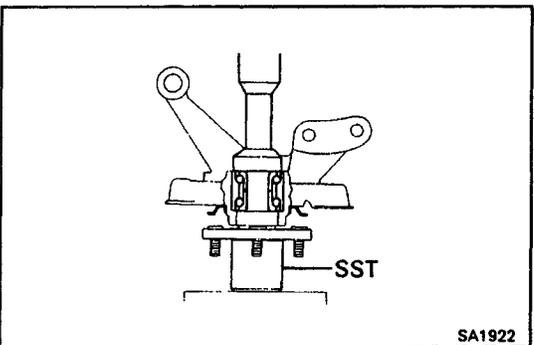
NOTICE: Be careful not to damage the bearing.



2. INSTALL DISC BRAKE DUST COVER

Install the disc brake dust cover with the three bolts.

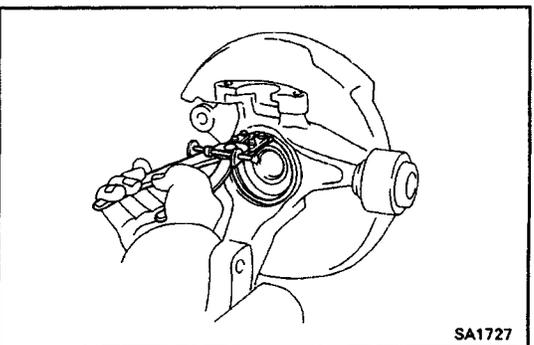
Torque: 8.3 N-m (85 kgf-cm, 73 in.⋅lbf)



3. INSTALL AXLE SHAFT

Using SST and a press, press the shaft into the rear axle carrier.

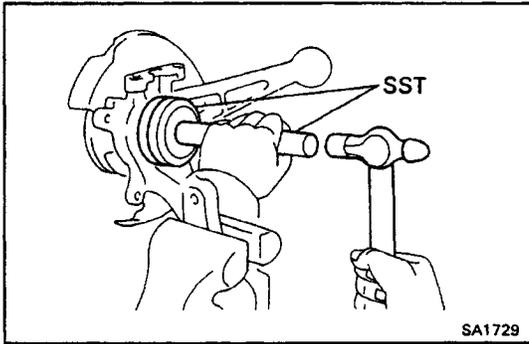
SST 09310-35010, 09315-00021



4. INSTALL HOLE SNAP RING

Using snap ring pliers, install a hole snap ring into the rear axle carrier.

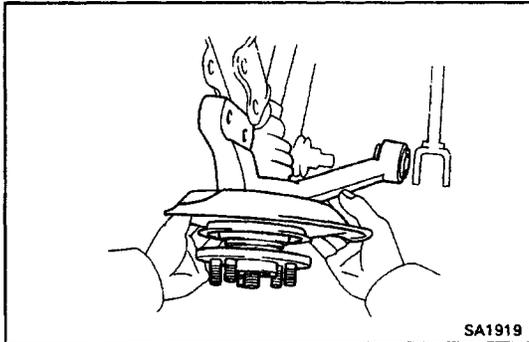
NOTICE: Be careful not damage the bearing.



5. INSTALL DUST DEFLECTOR

Using SST and a hammer, drive in a new dust deflector to the rear axle carrier.

SST 09316-60010 (09316-00010, 09316-00040)

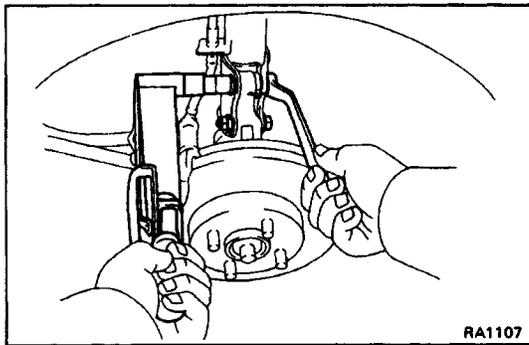


REAR AXLE SHAFT AND CARRIER INSTALLATION

SA001-01

1. INSTALL REAR AXLE CARRIER WITH AXLE SHAFT

(a) Place the rear axle carrier to the shock absorber lower bracket.

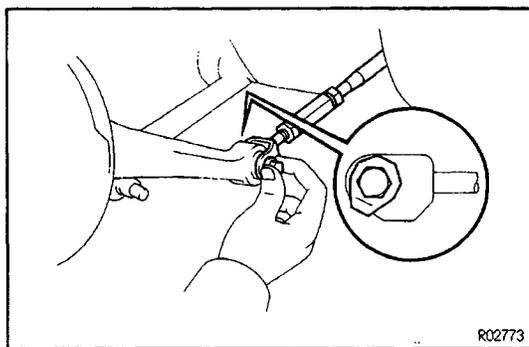


(b) Install the two set bolts, washers and nuts.

HINT: Install the bolts from the rear side.

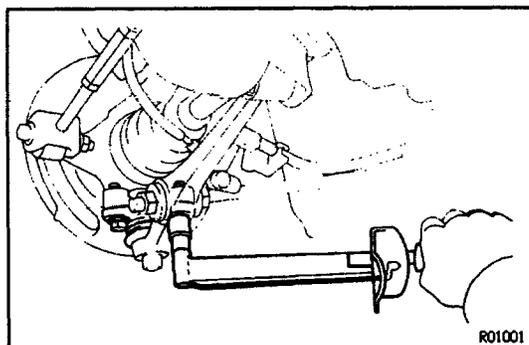
(c) Torque the nuts.

Torque: 173 N-m (1,760 kgf-cm, 127 ft-lbf)



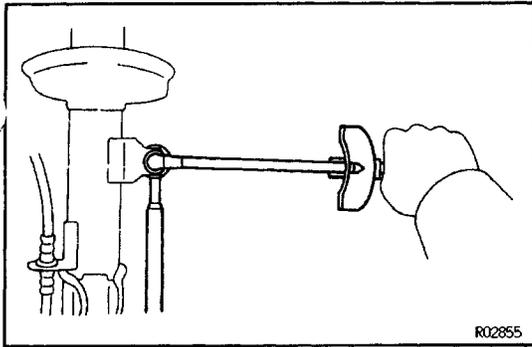
2. CONNECT SUSPENSION ARM

Install the suspension arm in place, then temporarily torque the bolt and nut.



3. CONNECT REAR AXLE CARRIER TO LOWER ARM

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

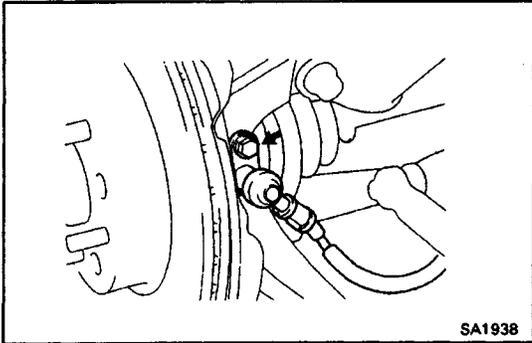


4. CONNECT STABILIZER LINK

Connect the stabilizer bar link with the nut.

Torque: 49 N-m (500 kgf-cm, 36 ft-lbf)

HINT: If the ball joint stud turns together with the nut, use a hexagon wrench 5 mm (0.197 in.) to hold the stud.

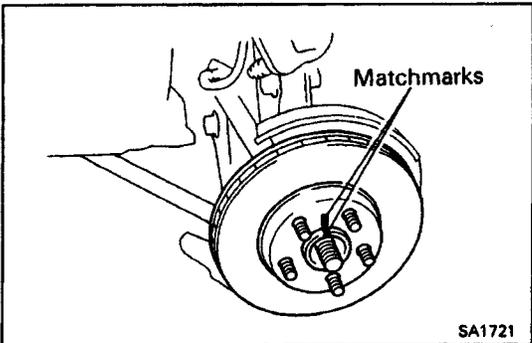


5. (w/ ABS)

INSTALL SPEED SENSOR TO AXLE CARRIER

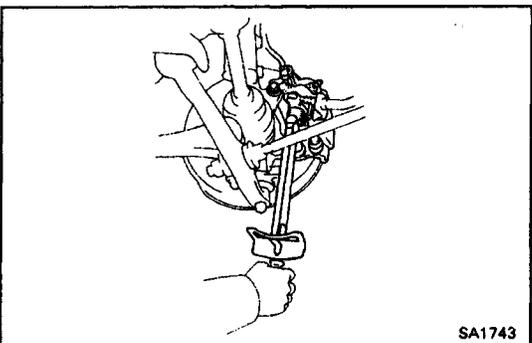
HINT: Before installing, check that there is no ferric chip or foreign material on the sensor tip.

Torque: 7.8 N-m (80 kgf-cm, 69 in.-lbf)



6. INSTALL ROTOR DISC

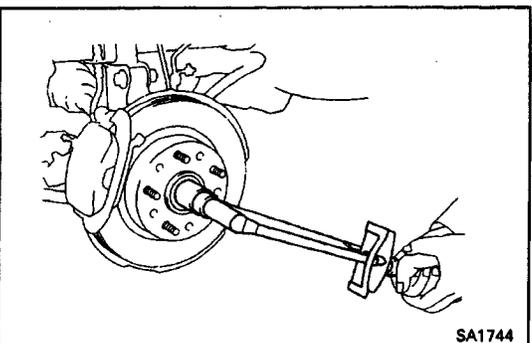
Align the matchmarks and install the rotor disc to the axle hub.



7. INSTALL BRAKE CALIPER

Install the brake caliper with the two bolts.

Torque: 59 N-m (600 kgf-cm, 43 ft-lbf)



8. INSTALL BEARING LOCK NUT, BEARING LOCK NUT CAP AND NEW COTTER PIN

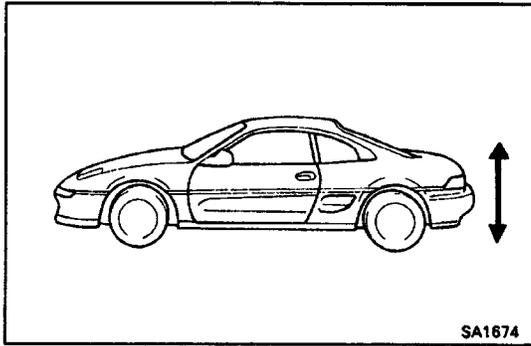
- (a) Install the lock nut.
- (b) With the parking brake engaged, and tighten the nut.

Torque:

5S-FE 226 N-m (2,300 kgf-cm, 166 ft-lbf)

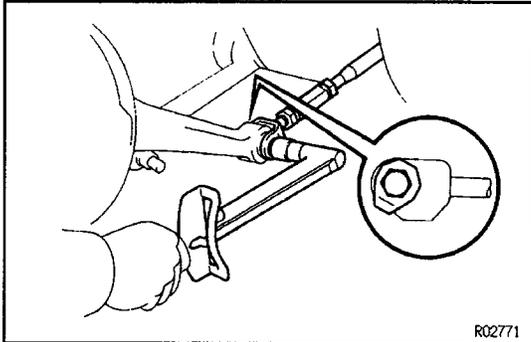
3S-GTE 294 N-m (3,000 kgf-cm, 217 ft-lbf)

- (c) Install the lock cap and a new cotter pin.



9. STABILIZE SUSPENSION

- (a) Install the rear wheel and lower vehicle.
Torque: 103 N-m (1,050 kgf-cm, 76 ft-lbf)
- (b) Bounce the vehicle up and down several times to allow the suspension to settle.



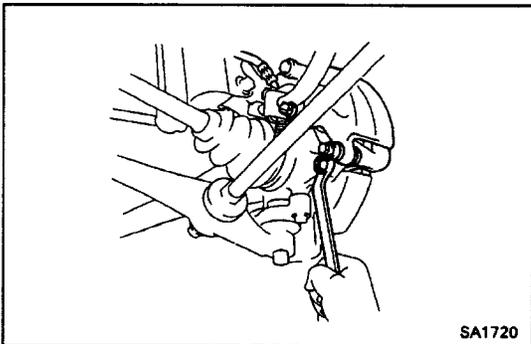
10. TIGHTEN BOLT AND NUT

Tighten the bolt and nut with the vehicle load applied onto the suspension.

Torque: 103 N-m (1,050 kgf-cm, 76 ft-lbf)

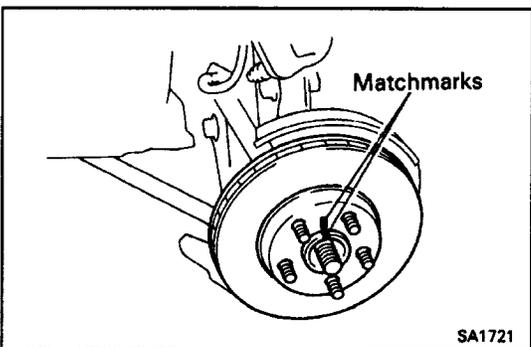
11. CHECK REAR WHEEL ALIGNMENT

(See page SA-3)



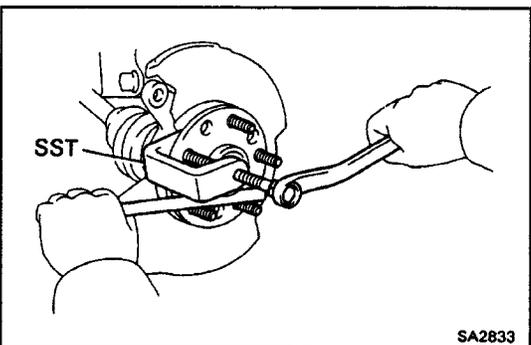
REAR AXLE SHAFT BOLT REPLACEMENT

1. JACK UP VEHICLE AND REMOVE REAR WHEEL
2. DISCONNECT BRAKE CALIPER FROM AXLE CARRIER



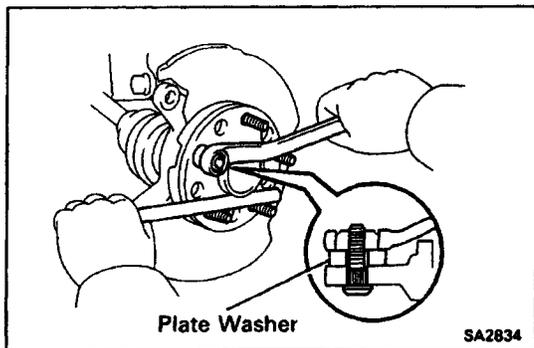
3. REMOVE ROTOR DISC

HINT: Before removing the rotor disc, place the matchmarks on the axle shaft and rotor disc.



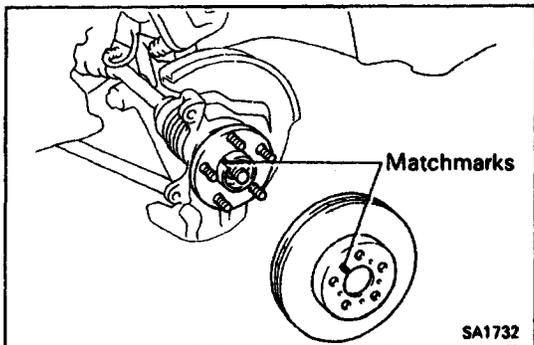
4. REMOVE REAR AXLE SHAFT BOLT

- (a) Align the brake dust cover cut portion and axle shaft bolt.
- (b) Using SST, remove the axle shaft bolt.
SST 09628-1001 1



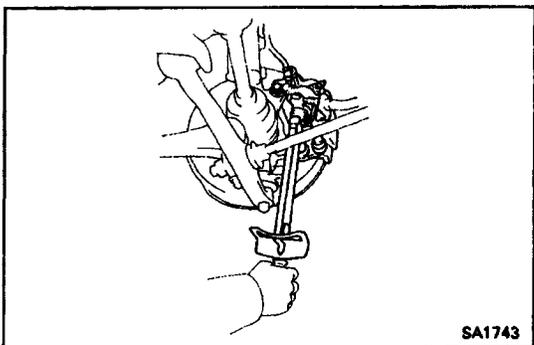
5. INSTALL REAR AXLE SHAFT BOLT

- (a) Install a new bolt from the backing plate side.
- (b) Install the suitable plate washer and nut.
- (c) Tighten the nut, while holding the axle shaft.



6. INSTALL ROTOR DISC

Align the matchmarks and install the rotor disc to the axle shaft.



7. INSTALL DISC BRAKE CALIPER TO REAR AXLE CARRIER

Install and torque the two bolts.

Torque: 59 N·m (600 kgf·cm, 43 ft·lbf)

8. INSTALL REAR WHEEL AND LOWER VEHICLE

Torque: 103 N·m (1,050 kgf·cm, 76 ft·lbf)