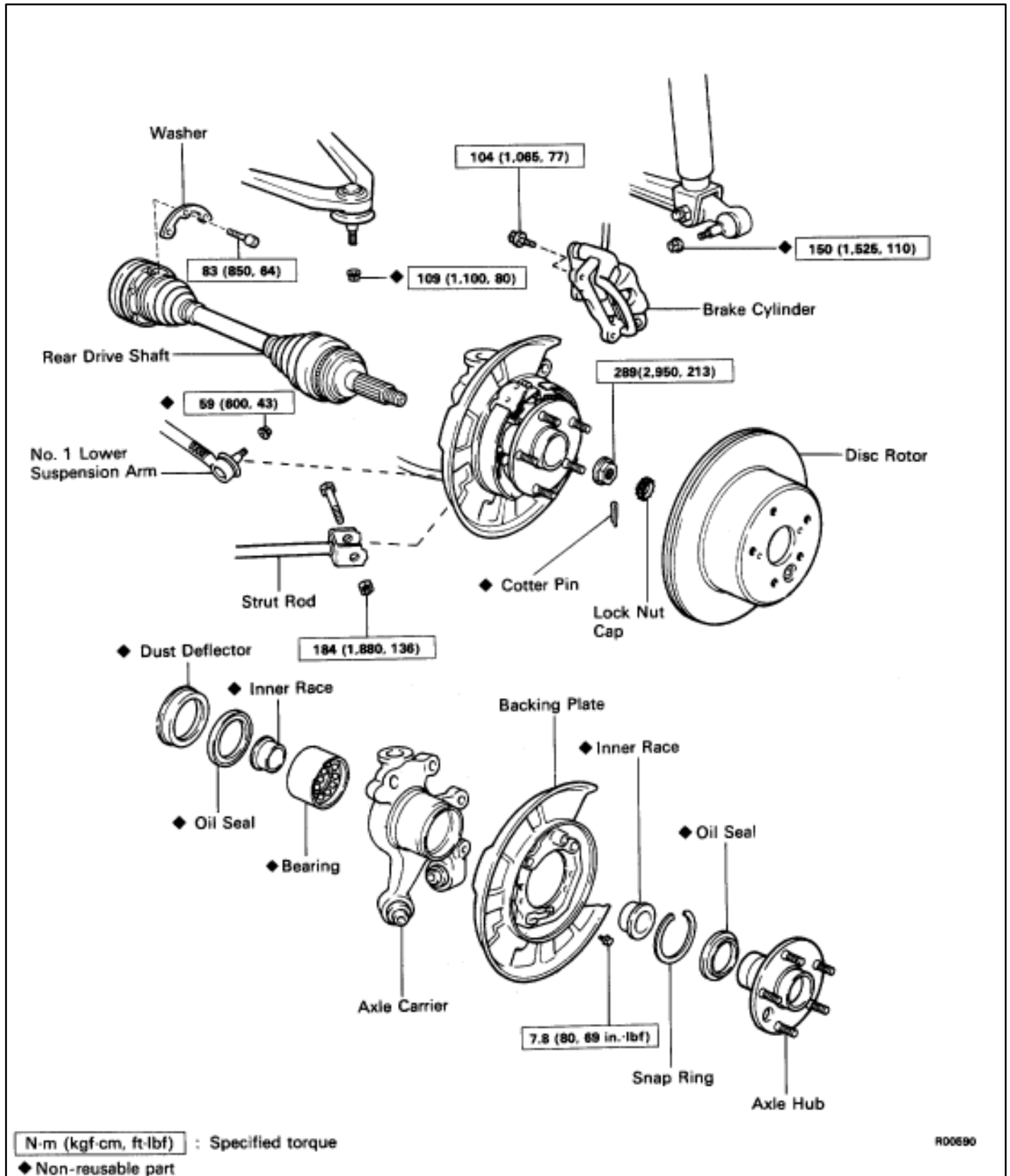


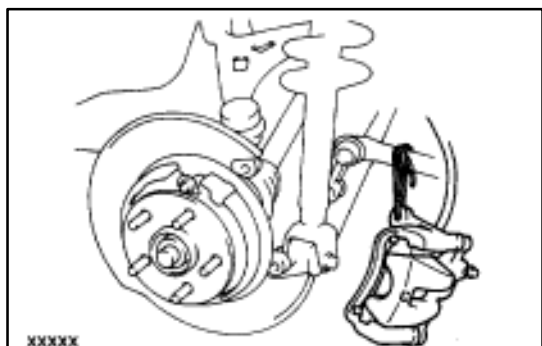
## Rear Axle Hub COMPONENTS



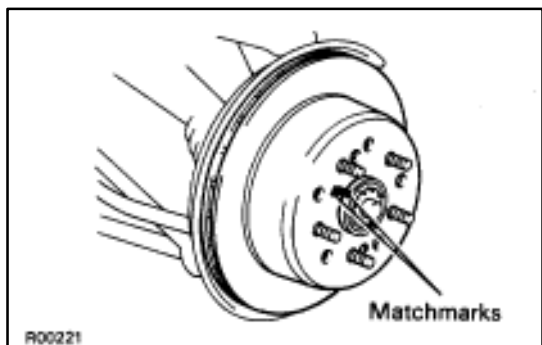


## REMOVAL OF REAR AXLE CARRIER

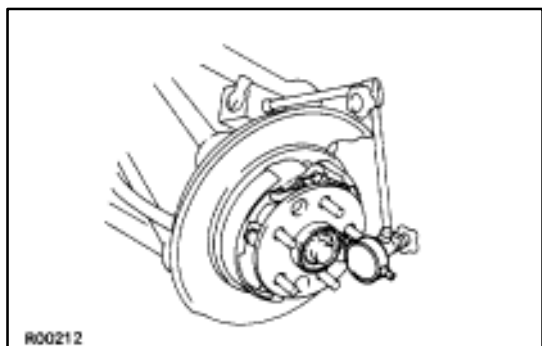
1. **JACK UP VEHICLE AND REMOVE REAR WHEEL**
2. **REMOVE REAR BRAKE CYLINDER AND DISC ROTOR**
  - (a) Remove the two bolts and remove the brake cylinder from the rear axle hub.



- (b) Hang up the brake cylinder using wire, etc.



- (c) Place matchmarks on the disc rotor and axle hub.
- (d) Remove the disc rotor.

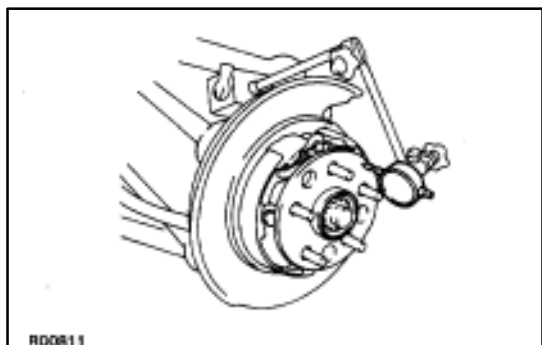


### 3. CHECK BACKLASH IN BEARING SHAFT DIRECTION

Place the dial indicator near the center of the axle hub and check the backlash in the bearing shaft direction.

**Maximum: 0.05 mm (0.0020 in.)**

If greater than the specified maximum, replace the bearing.

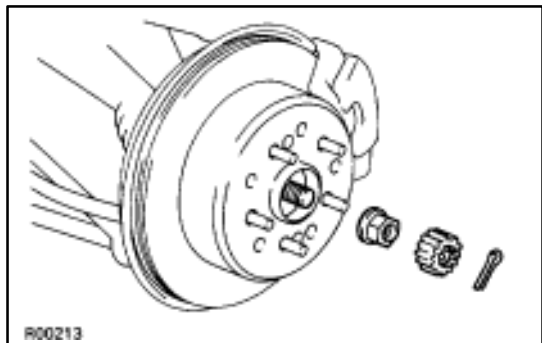


### 4. CHECK AXLE HUB DEVIATION

Using a dial indicator, check the deviation at the surface of the axle hub outside the hub bolt.

**Maximum: 0.07 mm (0.0028 in.)**

If greater than the specified maximum, replace the axle hub.

**5. REMOVE DRIVE SHAFT LOCK NUT**

- (a) Install the disc rotor and brake cylinder.
- (b) Remove the cotter pin and lock cap.
- (c) While applying the brakes, remove the nut.
- (d) Remove the brake cylinder and disc rotor.

**6. REMOVE DRIVE SHAFT**

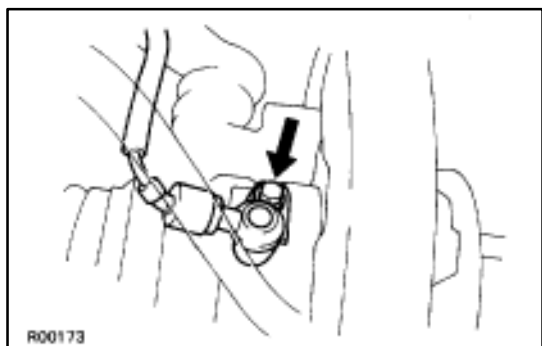
(See page [SA-64](#))

**7. REMOVE PARKING BRAKE SHOE**

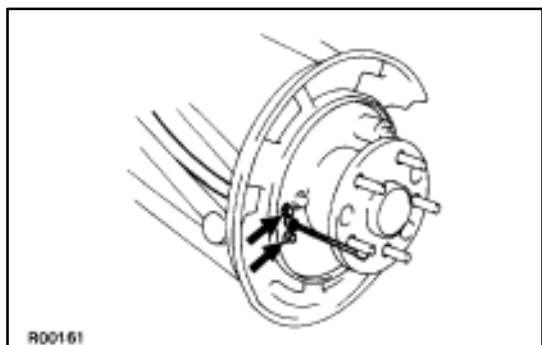
(See page [BR-36](#))

**8. REMOVE ABS SPEED SENSOR**

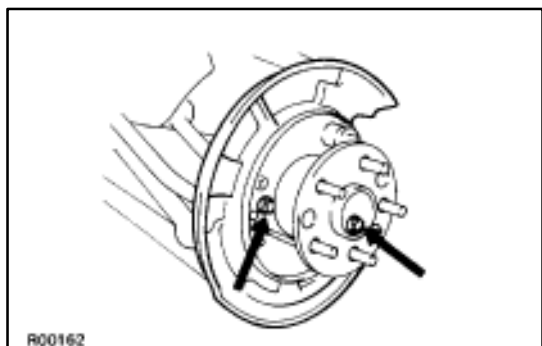
Remove the bolt and ABS speed sensor.

**9. REMOVE REAR AXLE HUB WITH CARRIER**

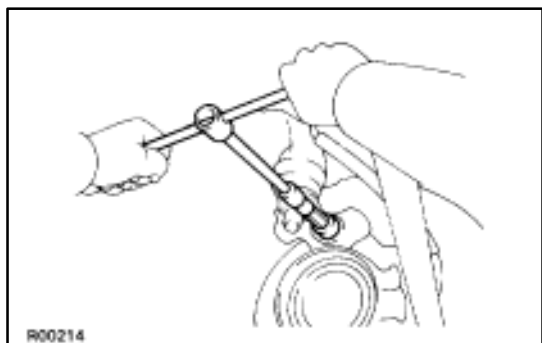
- (a) Remove the two bolts.

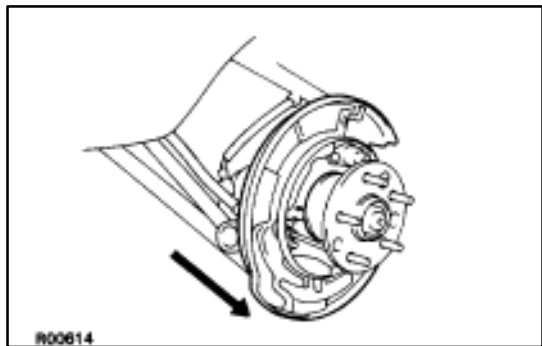


- (b) Remove the two bolts.

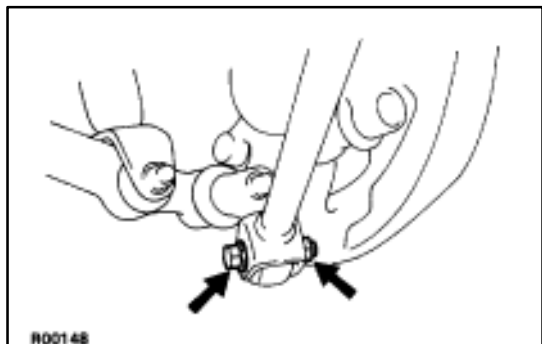


- (c) Remove the hexagon bolt.

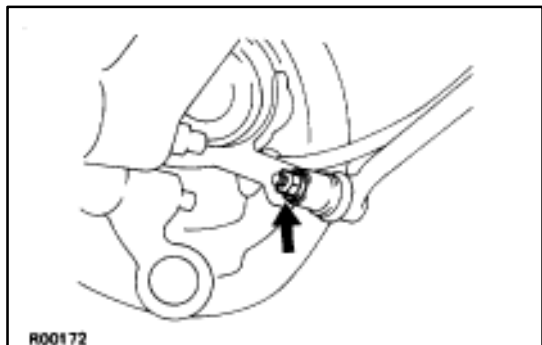




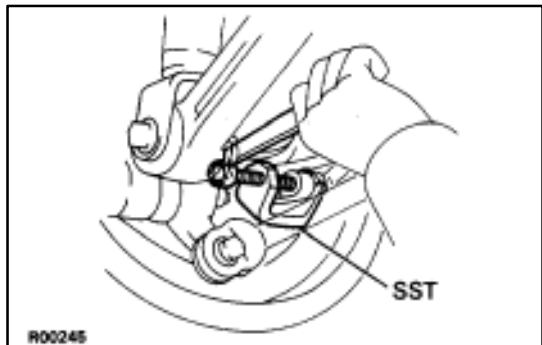
- (d) Slide the backing plate to the outside and disconnect the parking brake cable.



- (e) Remove the bolt and nut and disconnect the strut rod.

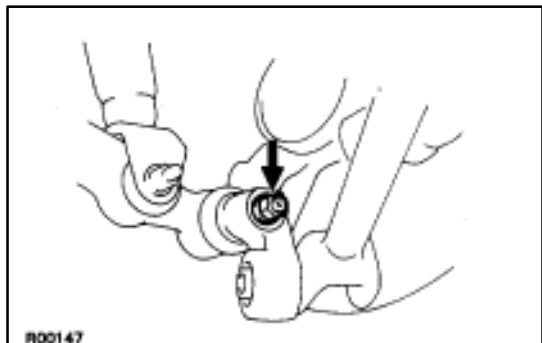


- (f) Remove the nut.

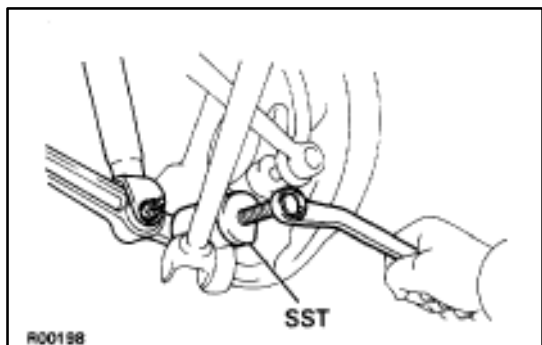


- (g) Using SST, disconnect the No.1 lower suspension arm.  
SST 09628-10011

**NOTICE:** Be careful not to damage the dust boot.

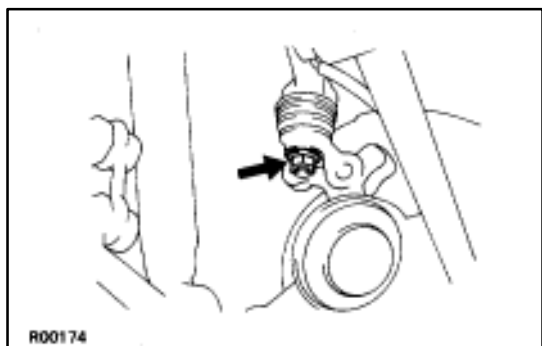


- (h) Remove the nut.

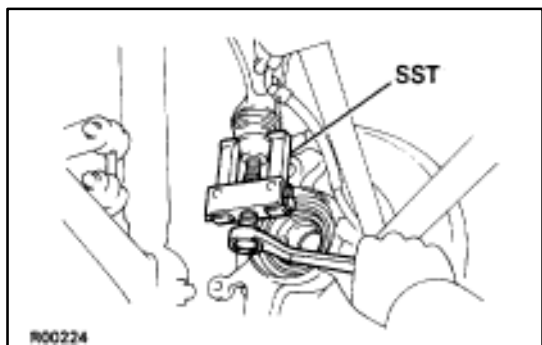


- (i) Using SST, disconnect the No.2 lower suspension arm.  
SST 09610-20012

**NOTICE:** Be careful not to damage the dust boot.



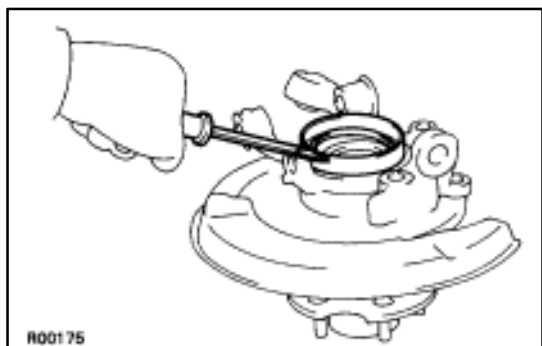
- (j) Remove the nut.



- (k) Using SST, disconnect the upper arm and remove the axle carrier.

SST 09628-62011

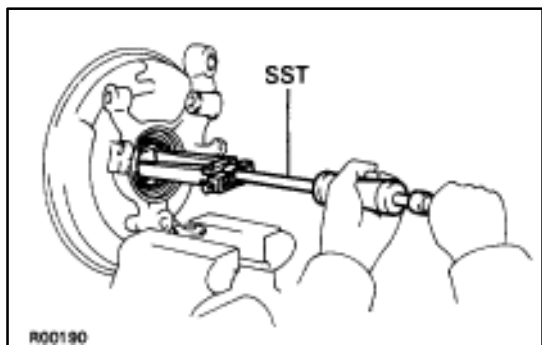
**NOTICE:** Be careful not to damage the dust boot.



## REMOVAL OF AXLE HUB

### 1. REMOVE DUST DEFLECTOR

Using a screwdriver, remove the dust deflector.



### 2. REMOVE OIL SEAL (Inner)

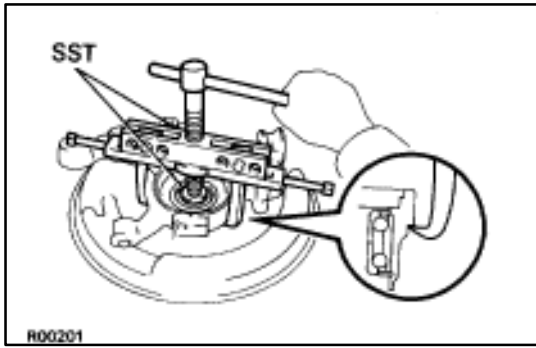
- (a) Mount the axle carrier in a vise.

HINT: Use a set of soft jaws in the vise to protect the axle carrier.

**NOTICE:** Do not tighten the vise too tight.

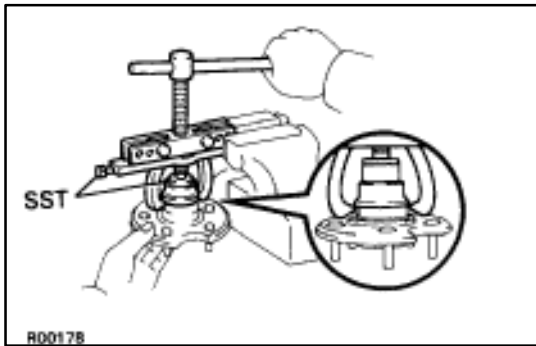
- (b) Using SST, remove the oil seal.

SST 09308-00010



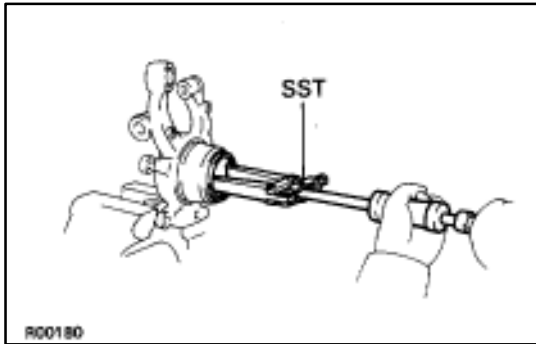
### 3. REMOVE AXLE HUB FROM AXLE CARRIER

- (a) Using SST, remove the axle hub.  
SST 09950-20017
- (b) Remove the backing plate.



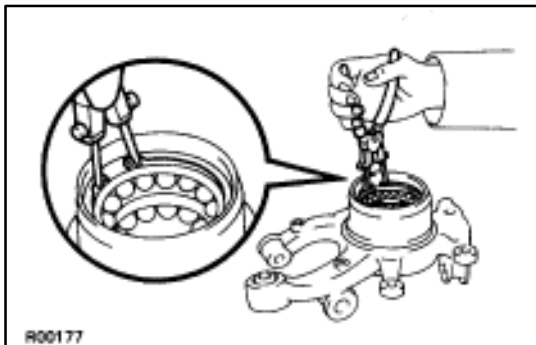
- (c) Using SST, remove the inner race (outside) from the axle hub.

SST 09950-20017



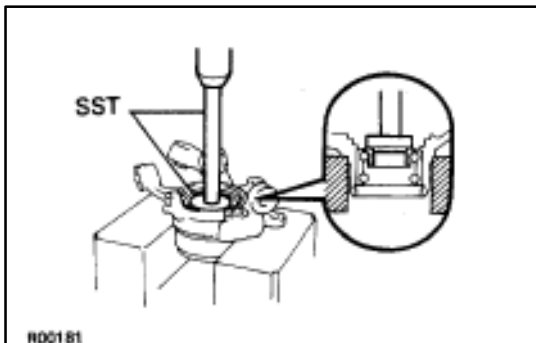
### 4. REMOVE OIL SEAL (Outer)

- Using SST, remove the oil seal.  
SST 09308-00010

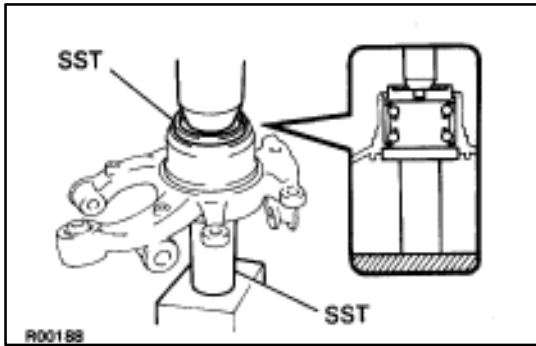


### 5. REMOVE BEARING

- (a) Using snap ring pliers, remove the snap ring.



- (b) Temporarily install the inner race (inside) to the bearing.
- (c) Using SST and a press, remove the bearing.  
SST 09608-35014 (09608-06020, 09608-06100)

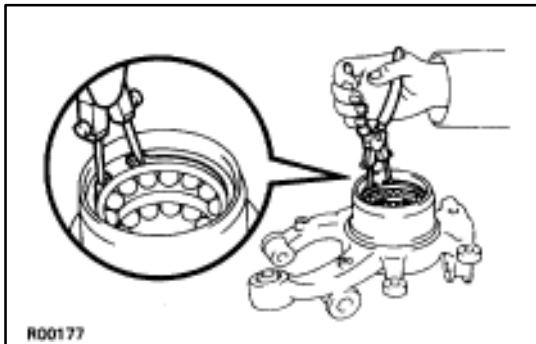


## INSTALLATION OF AXLE HUB

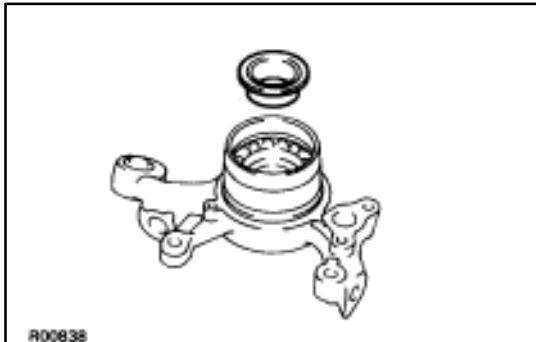
### 1. INSTALL BEARING

- (a) Using SST, install the bearing to the axle carrier.  
SST 09309-36010, 09608-32010

**NOTICE:** If the inner races come loose from the bearing outer race, be sure to install them on the same side as before.

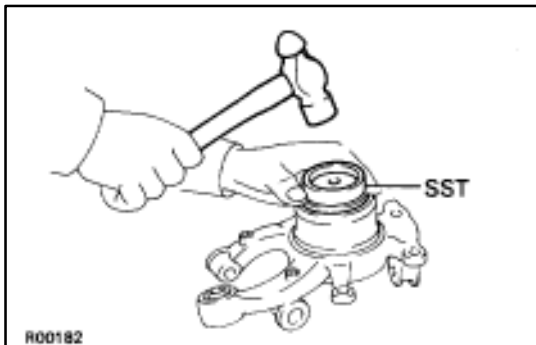


- (b) Using snap ring pliers, install the snap ring.



### 2. INSTALL OIL SEAL (Outer)

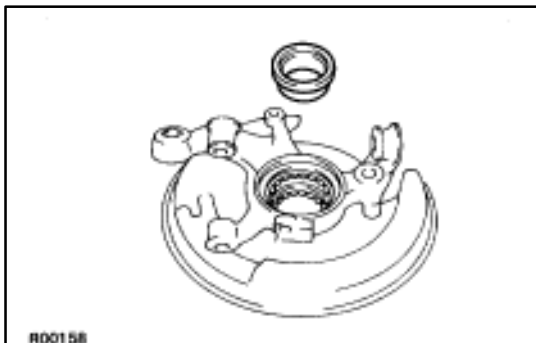
- (a) Install the inner race (outside).



- (b) Using SST, install a new oil seal.

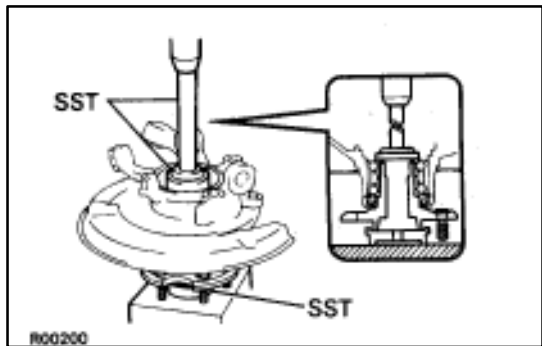
SST 09608-32010

**NOTICE:** Be careful not to damage the oil seal.

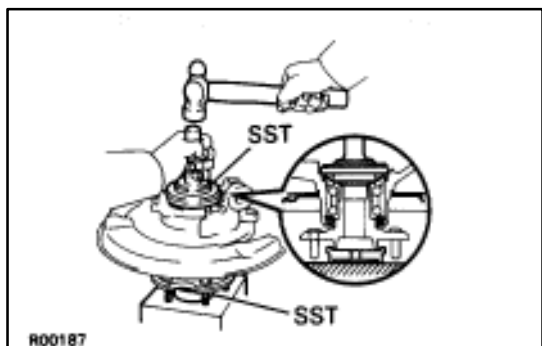


### 3. INSTALL AXLE HUB

- (a) Temporarily install the backing plate.  
(b) Install the inner race (inside).

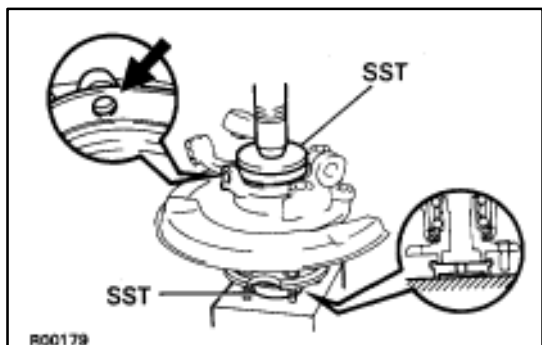


- (c) Using SST and a press, install the axle hub.  
 SST 09608-32010, 09608-35014  
 (09608-06020, 09608-06100)



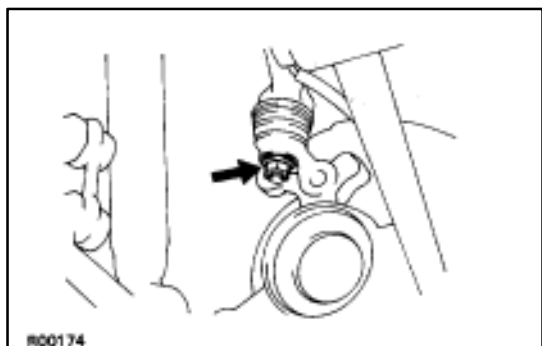
#### 4. INSTALL OIL SEAL (Inner)

- Using SST and a hammer, install a new oil seal.  
 SST 09223-41020, 09608-32010



#### 5. INSTALL DUST DEFLECTOR

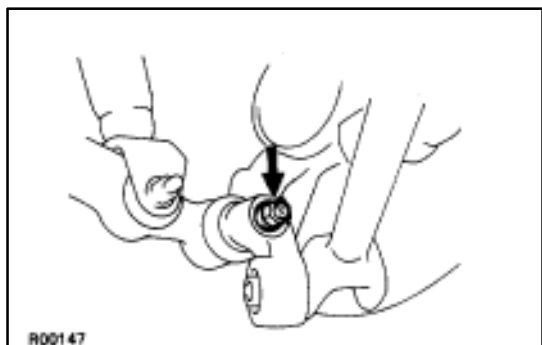
- Using SST and a press, install a new dust deflector.  
 SST 09608-32010, 09608-35014 (09608-06160)  
 HINT: Align the holes for the ABS speed sensor in the dust deflector and carrier.



### INSTALLATION OF REAR AXLE CARRIER WITH UPPER ARM

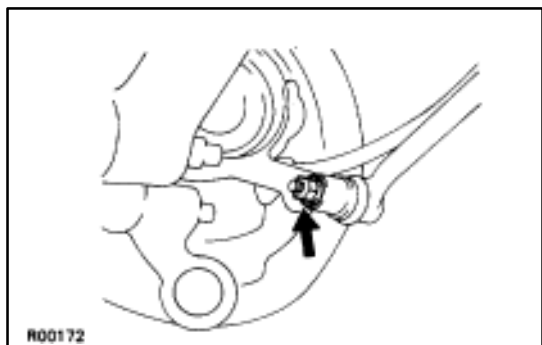
#### 1. INSTALL REAR AXLE HUB WITH CARRIER

- (a) Connect the upper arm to the axle carrier with a new nut.  
 Torque: 109 N·m (1,100 kgf·cm, 80 ft·lbf)



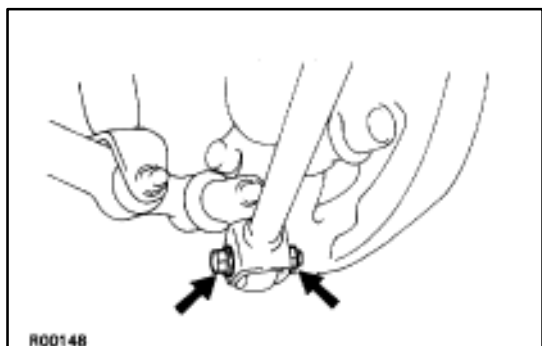
- (b) Connect the No.2 lower suspension to the axle carrier with a new nut.  
 Torque: 150 N·m (1,525 kgf·cm, 110 ft·lbf)



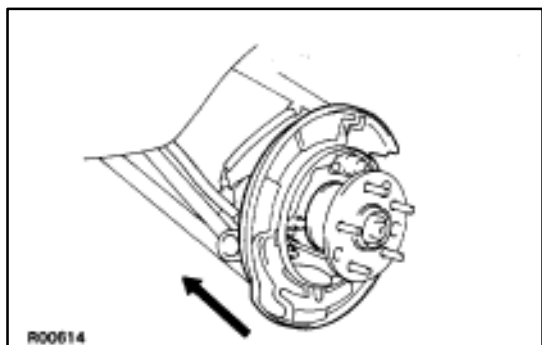


- (c) Connect the No.1 lower suspension arm to the axle carrier with a new nut.

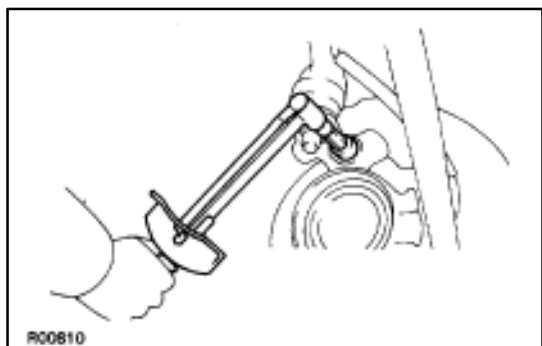
**Torque: 59 N·m (600 kgf·cm, 43 ft·lbf)**



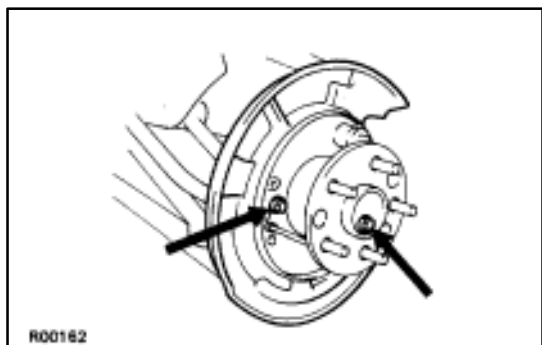
- (d) Connect the strut rod to the axle carrier and temporarily install the bolt and nut.



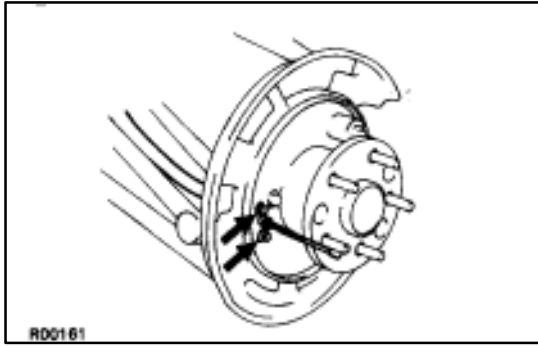
- (e) Connect the parking brake cable.  
(f) Slide the backing plate to the inside.



- (g) Install the hexagon bolt.  
**Torque: 180 N·m (1,825 kgf·cm, 132 ft·lbf)**



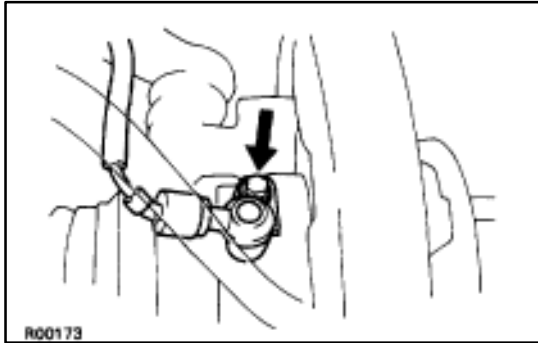
- (h) Install the two bolts.  
**Torque: 26 N·m (260 kgf·cm, 19 ft·lbf)**



(i) Install the two bolts.

**Torque: 7.8 N·m (80 kgf·cm, 69 in·lbf)**

**2. INSTALL PARKING BRAKE SHOE**  
(See page [BR-39](#))

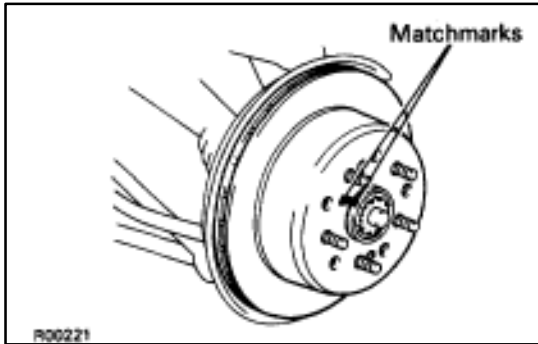


**3. INSTALL ABS SPEED SENSOR**

Install the sensor to the axle carrier with the bolt.

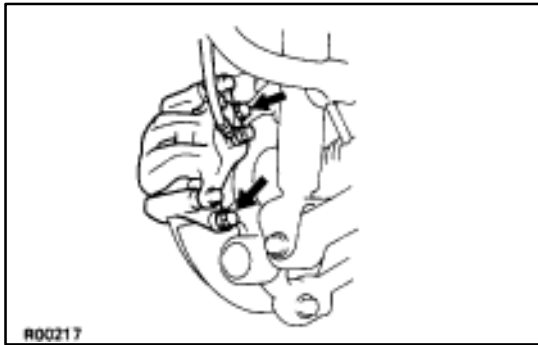
**Torque: 7.8 N·m (80 kgf·cm, 69 in·lbf)**

**4. INSTALL DRIVE SHAFT**  
(See page [SA-64](#))



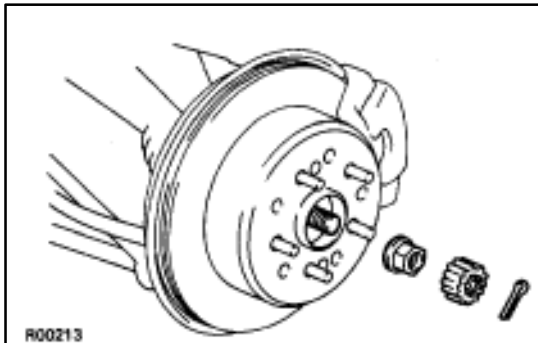
**5. INSTALL DISC ROTOR AND BRAKE CYLINDER**

(a) Align the matchmarks and install the disc rotor.



(b) Install the brake cylinder with the two bolts.

**Torque: 104 N·m (1,065 kgf·cm, 77 ft·lbf)**

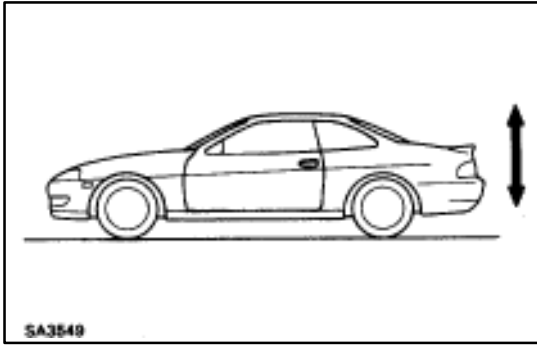


**6. INSTALL DRIVE SHAFT LOCK NUT**

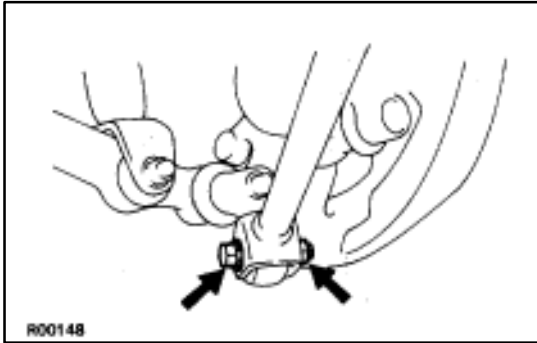
(a) Torque the nut while applying the brakes.

**Torque: 289 N·m (2,950 kgf·cm, 213 ft·lbf)**

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

**7. STABILIZE SUSPENSION**

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

**8. TORQUE BOLT AND NUTS**

- (a) Jack up the vehicle and remove the rear wheel.
- (b) Support the axle carrier with jack.
- (c) Torque the bolt and nuts.

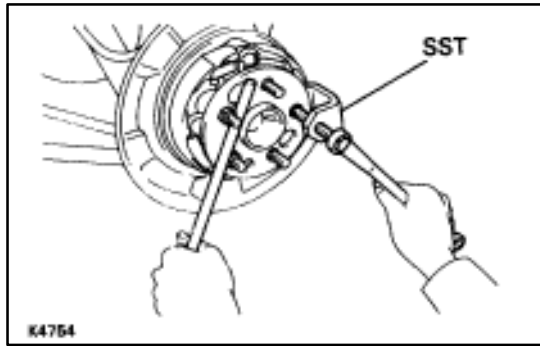
**Torque: 184 N·m (1,880 kgf·cm, 136 ft·lbf)**

**9. INSTALL REAR WHEEL AND LOWER VEHICLE**

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

**10. CHECK REAR WHEEL ALIGNMENT**

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



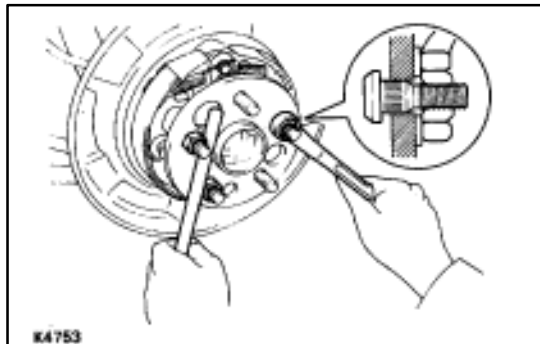
## REPLACEMENT OF HUB BOLT

1. JACK UP VEHICLE AND REMOVE REAR WHEEL
2. REMOVE REAR BRAKE CYLINDER AND DISC ROTOR  
(See Page [SA-50](#))

3. REMOVE HUB BOLT

Using SST, remove the hub bolt.

SST 09628-10011



4. INSTALL HUB BOLT

Install washer and nut to the hub bolt as shown in the illustration, and install the hub bolt with torquing the nut.

5. INSTALL REAR BRAKE DISC ROTOR AND BRAKE CYLINDER

(See page [SA-59](#))

6. INSTALL REAR WHEEL AND LOWER VEHICLE

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