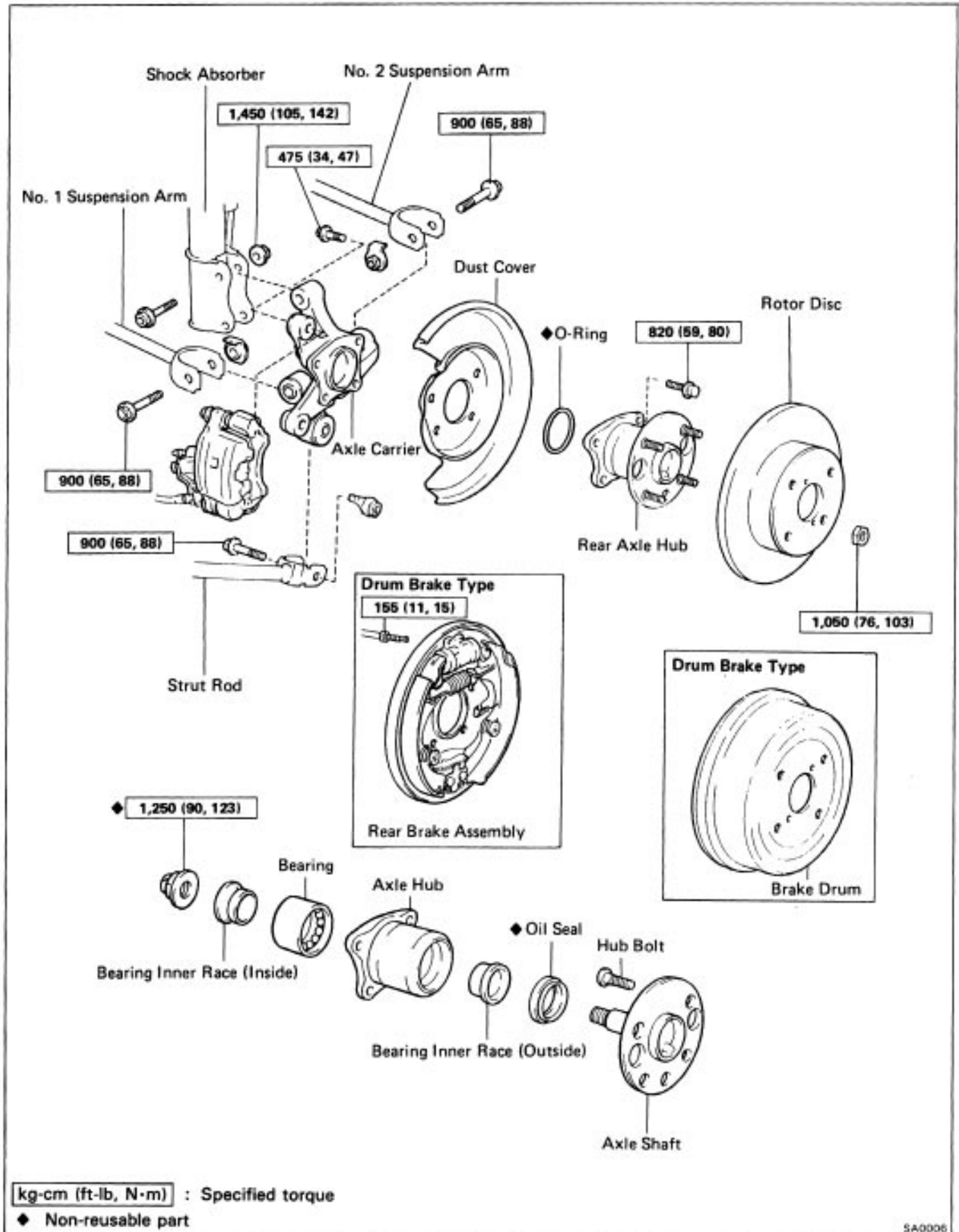
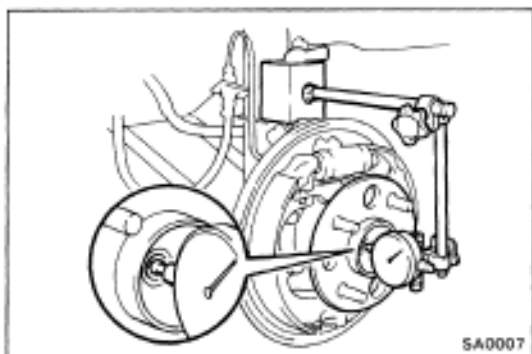


REAR AXLE HUB AND CARRIER (2WD) COMPONENTS





INSPECTION OF AXLE HUB BEARING

1. ROTATE BRAKE DRUM OR ROTOR DISC

Rotate the drum or the rotor disc by hand, if the movement is not smooth and free, replace the axle hub bearing.

2. REMOVE FOLLOWING PARTS:

(Drum brake type)

- Brake drum

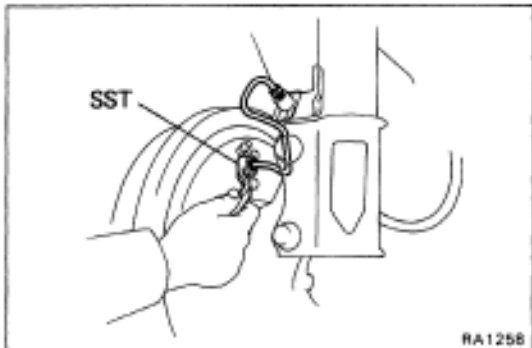
(Disc brake type)

- Brake caliper
- Rotor disc

3. CHECK BEARING PLAY AXIAL DIRECTION

Limit: 0.05 mm (0.0020 in.)

If not within specification, disassemble and inspect the axle hub assembly.



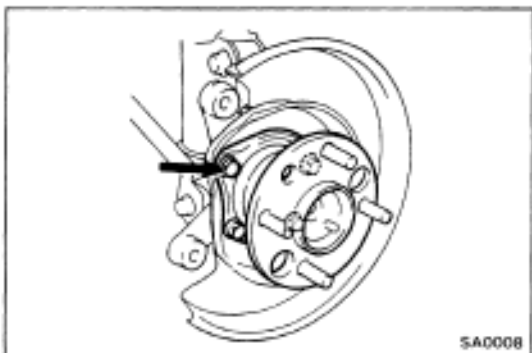
REMOVAL OF REAR AXLE HUB AND CARRIER

(See page SA-34)

1. REMOVE FOLLOWING PARTS:

(Drum brake type)

- Brake drum
- (Disc brake type)
- Brake caliper
- Disc rotor



2. (DRUM BRAKE TYPE)

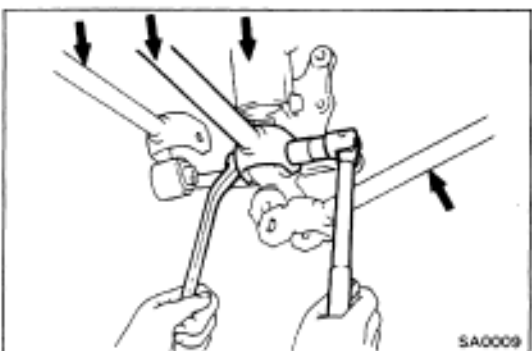
DISCONNECT BRAKE TUBE FROM BACKING PLATE

Using SST, disconnect the brake tube from the backing plate.

SST 09751-36011

3. REMOVE REAR AXLE HUB

- Remove the four axle hub mounting bolts.
- Remove the axle hub and brake assembly.
- Remove the O-ring from the backing plate.



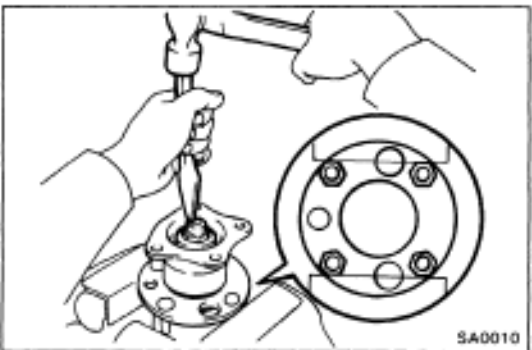
4. REMOVE REAR AXLE CARRIER

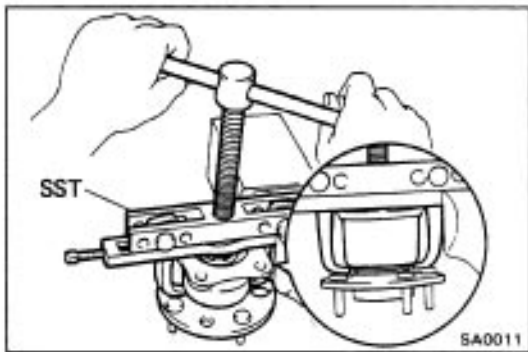
- Disconnect the strut rod from the axle carrier.
- Disconnect the No. 1 and No. 2 suspension arm from the axle carrier.
- Remove the axle carrier from the rear shock absorber.

DISASSEMBLY OF REAR AXLE HUB

1. REMOVE LOCK NUT

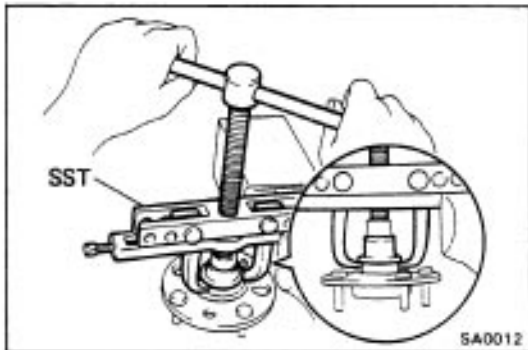
- Using a hammer and chisel, unstake the nut.
- Remove the lock nut.



**2. REMOVE AXLE SHAFT FROM AXLE HUB**

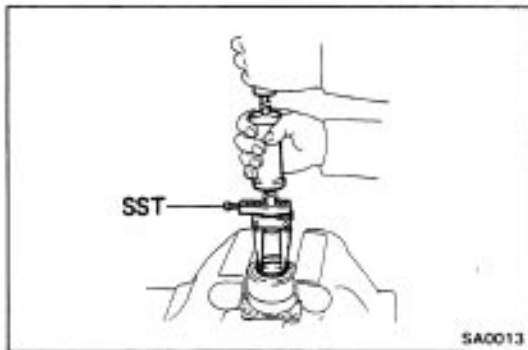
Using SST, push the rear axle shaft off the rear axle hub.

SST 09950-20017

3. REMOVE BEARING INNER RACE (INSIDE)**4. REMOVE BEARING INNER RACE (OUTSIDE)**

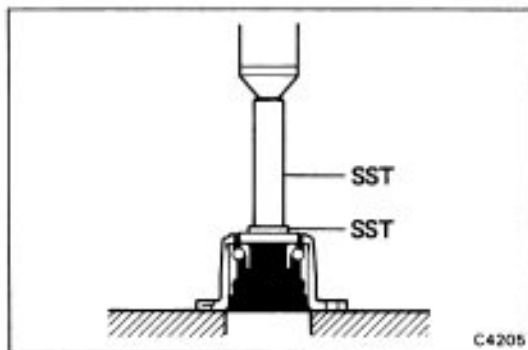
Using SST, pull off the bearing inner race (outside) from the axle shaft.

SST 09950-20017

**5. REMOVE OIL SEAL**

Using SST, remove the oil seal from the axle hub.

SST 09308-00010

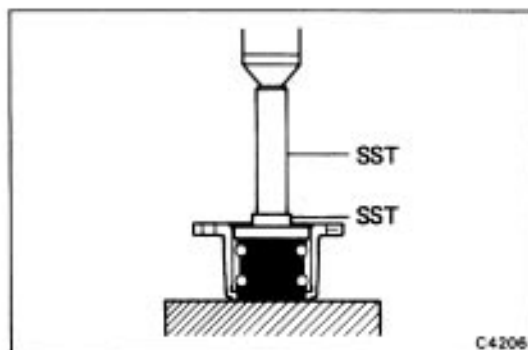
**6. REMOVE BEARING**

(a) First, install the inner race (outside) of the bearing to be removed.

(b) Using SST, press out the bearing.

SST 09550-10012 (09552-10010, 09558-10010)

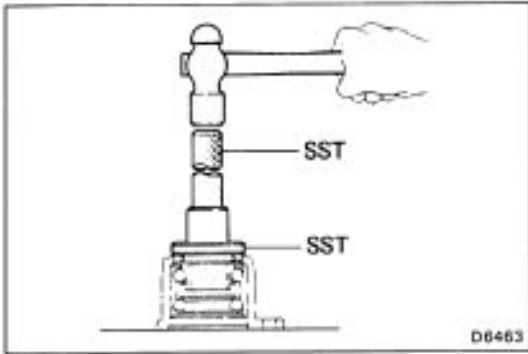
NOTICE: Always replace the bearing as an assembly.

**ASSEMBLY OF REAR AXLE HUB****1. INSTALL BEARING**

(a) Apply MP grease around the outer race of a new bearing.

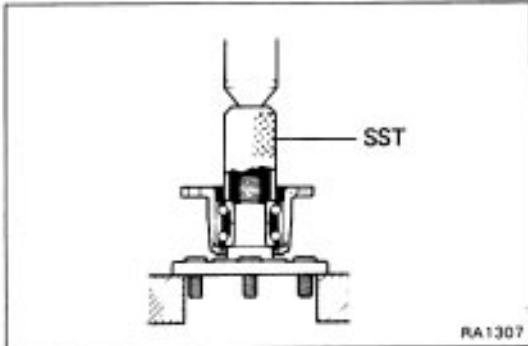
(b) Using SST, press the bearing into the axle hub.

SST 09550-10012 (09552-10010, 09555-10010)



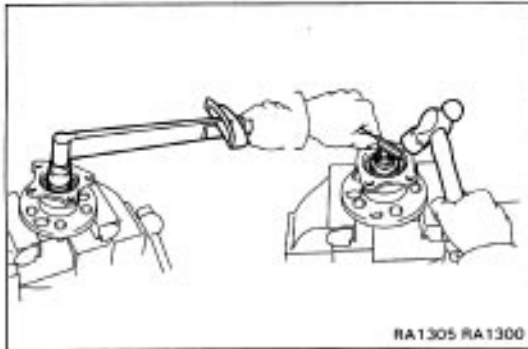
2. INSTALL NEW OIL SEAL

- Install a new bearing inner race (outside).
- Using SST, drive a new oil seal into the axle hub.
SST 09550-10012 (09552-10010, 09554-10010)
- Coat the oil seal lip with MP grease.

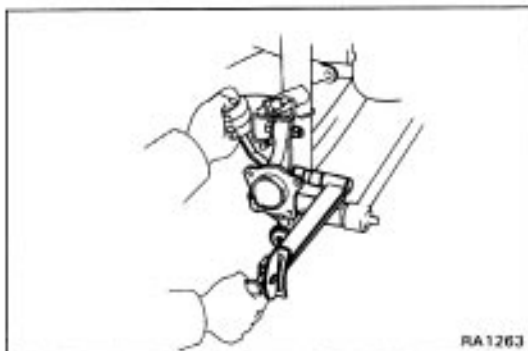


3. INSTALL AXLE SHAFT

- Install a new bearing inner race (inside).
- Using SST, press the inner races onto the axle shaft.
SST 09608-30012 (09608-04030)



- Install and torque a new lock nut.
Torque: 1,250 kg-cm (90 ft-lb, 123 N-m)
- Using a hammer and a chisel, stake the nut.



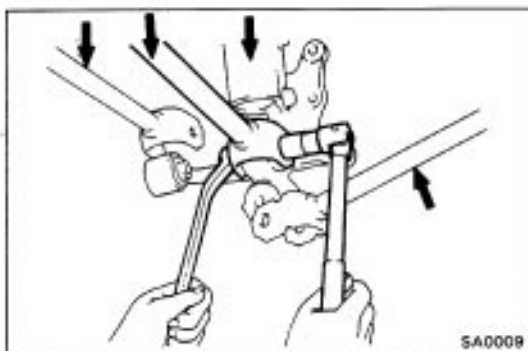
INSTALLATION OF REAR AXLE HUB AND CARRIER

(See page [SA-56](#))

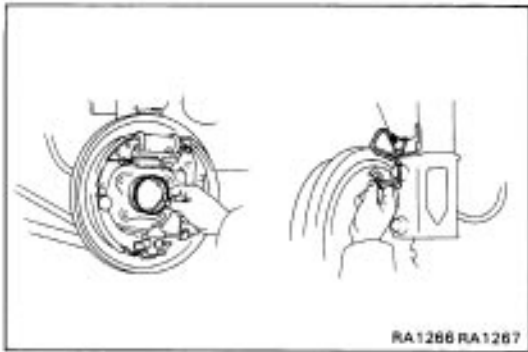
1. INSTALL REAR AXLE CARRIER

- Place the axle carrier in position.
- Install and torque the axle carrier mounting bolts and nuts to the shock absorber.

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

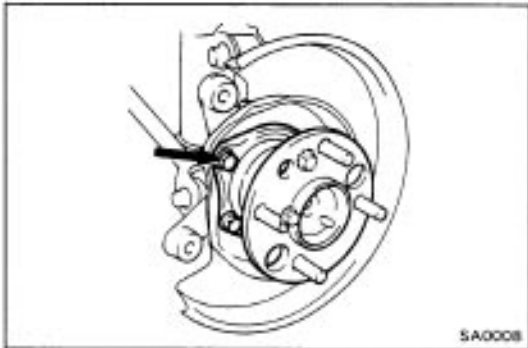


- Connect the No. 1 and No. 2 suspension arm to the axle carrier with the bolt, and temporarily install the retainer and nut.
- Temporarily connect the strut rod to the axle carrier with the bolt and the nut as shown in the figure.

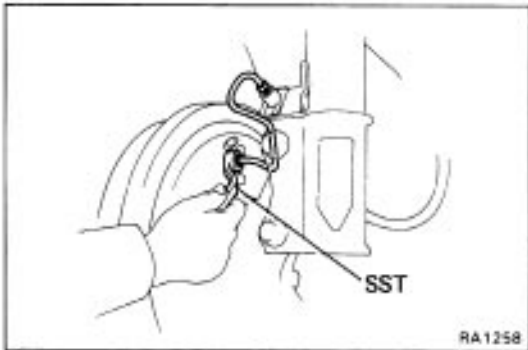


2. INSTALL REAR AXLE HUB

- (a) Install the brake assembly or dust cover and a new oil seal to the axle carrier.
- (b) (Drum brake type)
Temporarily connect the brake tube to the backing plate.



- (c) Install the axle hub and torque the four bolts.
Torque: 820 kg-cm (59 ft-lb, 80 N-m)

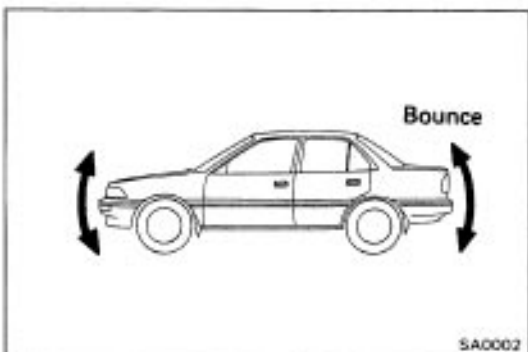


3. (DRUM BRAKE TYPE) TORQUE BRAKE TUBE

Using SST, torque the brake tube union.
SST 09751-36011

Torque: 155 kg-cm (11 ft-lb, 15 N-m)

4. INSTALL BRAKE DRUM OR ROTOR DISC



5. INSTALL WHEELS AND LOWER VEHICLE

- (a) Install the wheels.
- (b) Remove the stands and bounce the vehicle up and down to stabilize the suspension.

6. TORQUE AXLE CARRIER MOUNTING BOLTS

Torque the axle carrier mounting bolts with the vehicle weight on the suspension.

Torque:

Strut rod x Axle carrier

900 kg-cm (65 ft-lb, 88 N-m)

No. 1 and No. 2 suspension arm x Axle carrier

900 kg-cm (65 ft-lb, 88 N-m)

7. BLEED BRAKE SYSTEM

(See page [BR-7](#))

8. CHECK REAR WHEEL ALIGNMENT

(See page [SA-3](#))

REPLACEMENT OF REAR AXLE HUB BOLT

(See page [SA-13](#))

