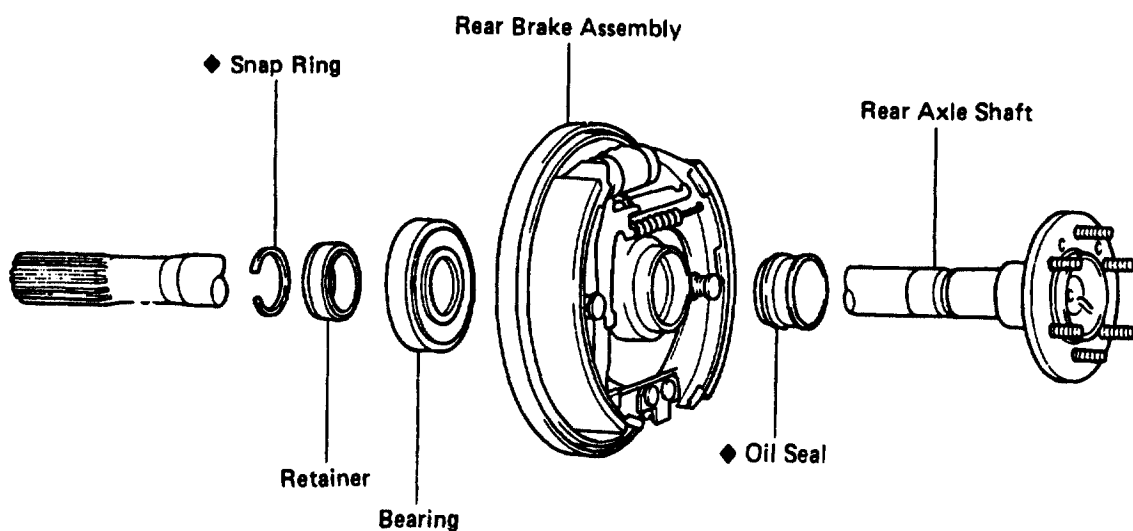
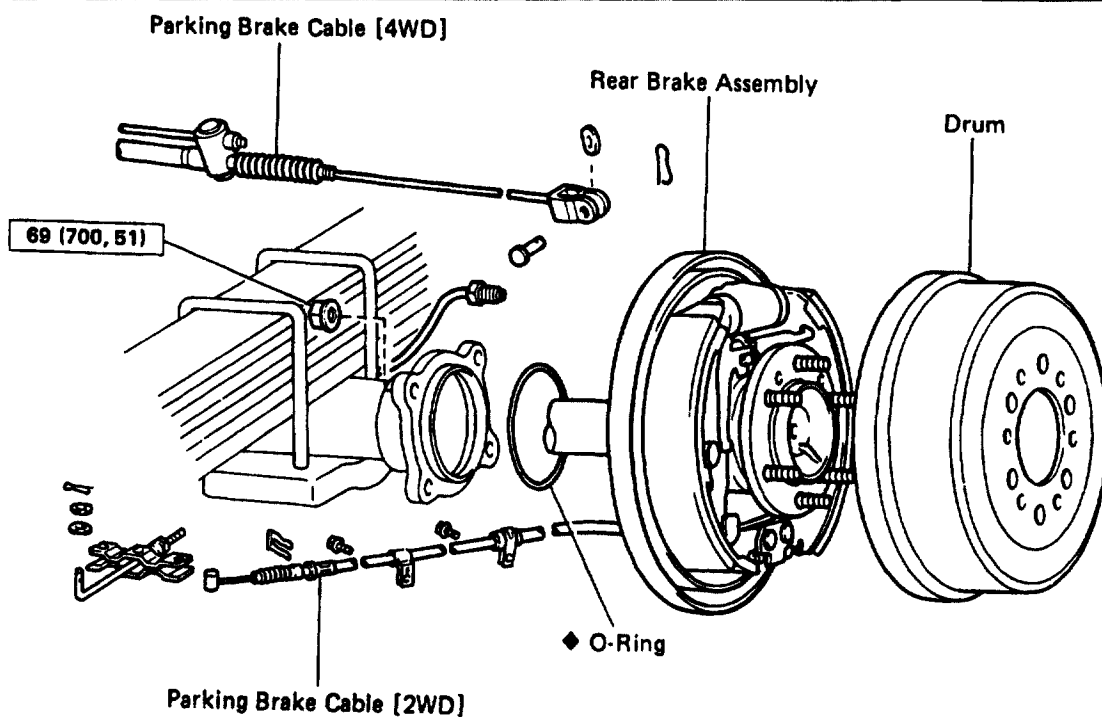


REAR AXLE SHAFT COMPONENTS

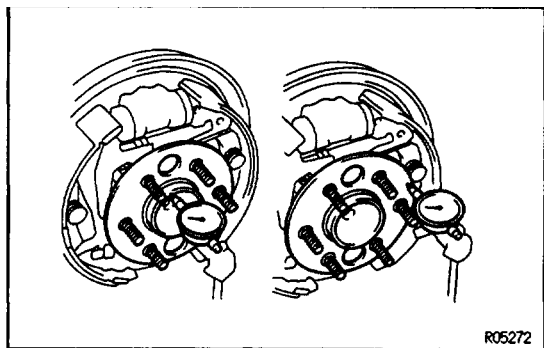


N·m (kgf·cm, ft·lbf) : Specified torque

◆ Non-reusable part

SA0387
SA0388

Z03704



REAR AXLE SHAFT REMOVAL

1. JACK UP VEHICLE AND REMOVE REAR WHEEL
2. REMOVE BRAKE DRUM
3. CHECK BEARING BACKLASH AND AXLE SHAFT DEVIATION

- (a) Using a dial indicator, check the backlash in the bearing shaft direction.

Maximum:

0.7 mm (0.028 in.)

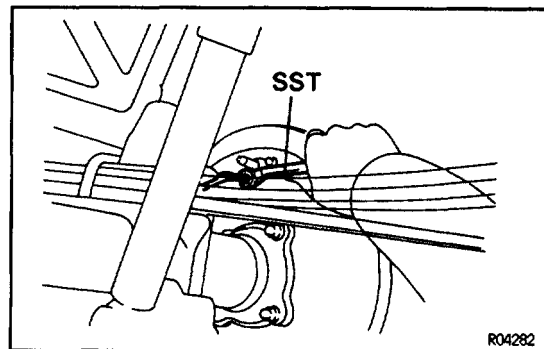
If greater than the specified maximum, replace the bearing.

- (b) Using a dial indicator, check the deviation at the surface of the axle shaft outside the hub bolt.

Maximum:

0.1 mm (0.0039 in.)

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



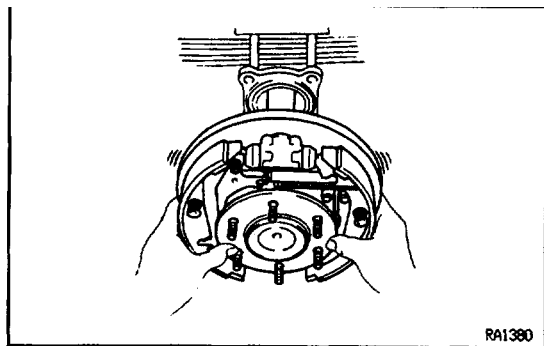
4. **DISCONNECT PARKING BRAKE CABLE**

Remove the bolt and disconnect the parking brake cable from the backing plate.

5. **DISCONNECT BRAKE LINE**

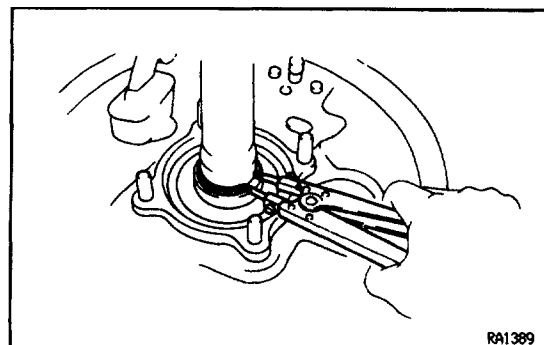
Using SST, disconnect brake line from the wheel cylinder.

SST 09751-36011

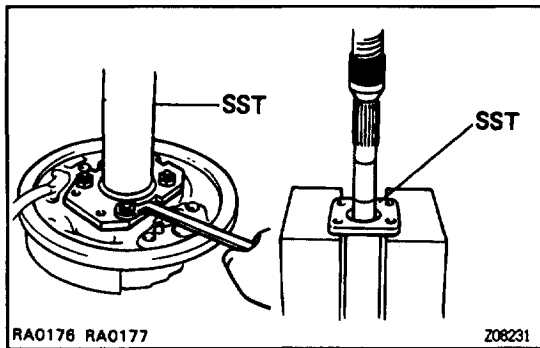


6. **REMOVE REAR AXLE SHAFT ASSEMBLY**

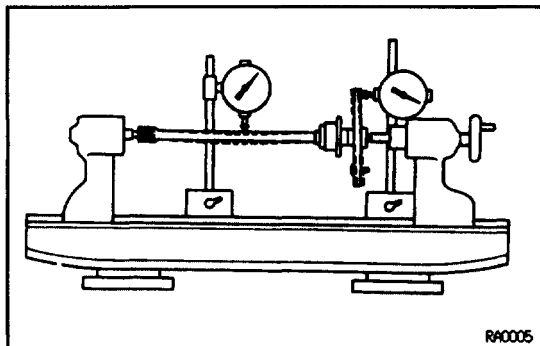
Remove the 4 backing plate mounting nuts.



7. **REMOVE SNAP RING**



- 8. REMOVE REAR AXLE SHAFT FROM BACKING PLATE**
 - (a) Attach SST to the backing plate.
SST 09521-25011
 - (b) Using a press, out the rear axle shaft from the backing plate.
NOTICE: When pulling out the rear axle, be careful not to damage the oil seal.



REAR AXLE SHAFT COMPONENTS INSPECTION AND REPAIR

- 1. INSPECT AXLE SHAFT AND FLANGE FOR RUNOUT FOR WEAR, DAMAGE OR RUNOUT**

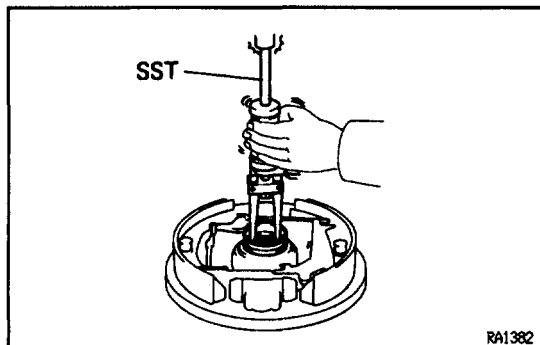
Maximum shaft runout:

2.0 mm (0.079 in.)

Maximum flange runout:

0.2 mm (0.008 in.)

If the rear axle shaft or flange are damaged or worn, or if runout is greater than maximum, replace the rear axle shaft.



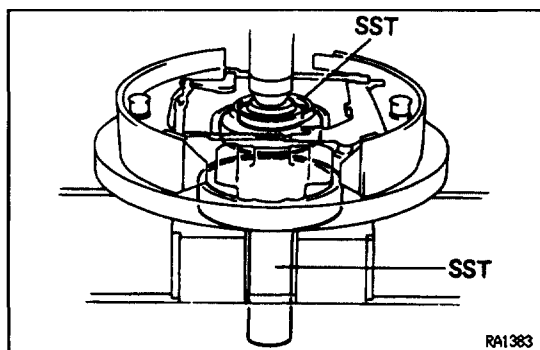
- 2. INSPECT OUTER OIL SEAL**

- (a) Check for damage.
- (b) Check the oil seal lip for wear or damage.
If necessary, replace the oil seal.

- 3. REMOVE OUTER OIL SEAL**

Using SST, remove the oil seal.

SST 09308-00010



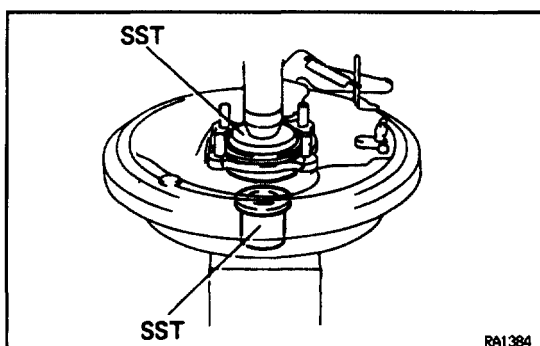
- 4. INSPECT REAR AXLE BEARING**

Check for wear or damage.

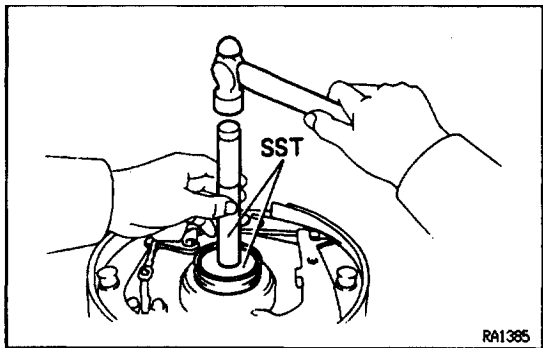
If necessary, replace the rear axle bearing.

- 5. REPLACE REAR AXLE BEARING**

- (a) Using SST and a press, out the bearing.
SST 09223-56010, 09608-35014 (09608-06100)



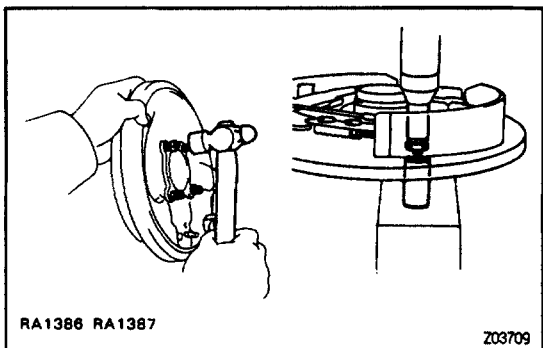
- (b) Using SST and a press, in a new bearing.
SST 09515-30010, 09608-35014 (09608-06180)



6. INSTALL NEW OUTER OIL SEAL

Using SST and a hammer, tap in a new oil seal.

SST 09608-30012 (09608-04020, 09608-04070)



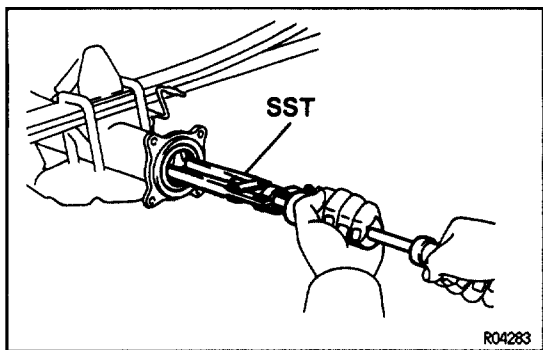
7. INSPECT BEARING CASE

Check for wear or damage.

If necessary, replace the bearing case.

8. REPLACE BEARING CASE

- (a) Remove the oil seal and bearing.
- (b) Install nuts to the serrated bolts.
- (c) Using a hammer, tap out the serrated bolts and remove the bearing case.
- (d) Position the backing plate on a new bearing case and using 2 socket wrenches, press in the serrated bolts.
- (e) Install new bearing and oil seal.



9. INSPECT OIL SEAL

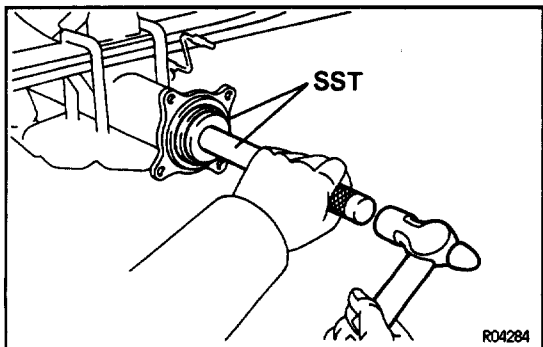
Check for wear or damage.

If necessary, replace the oil seal.

10. REPLACE OIL SEAL

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

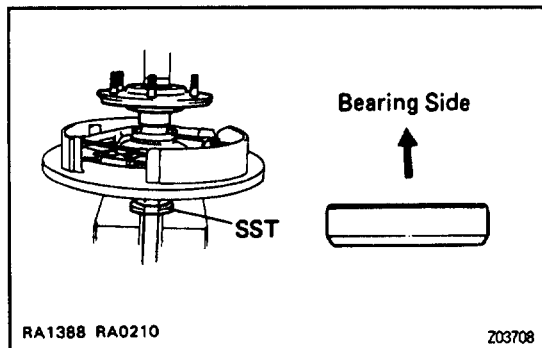
SST 09308-00010



- (b) Apply MP grease to a new oil seal lip.

- (c) Using SST, drive in the oil seal.

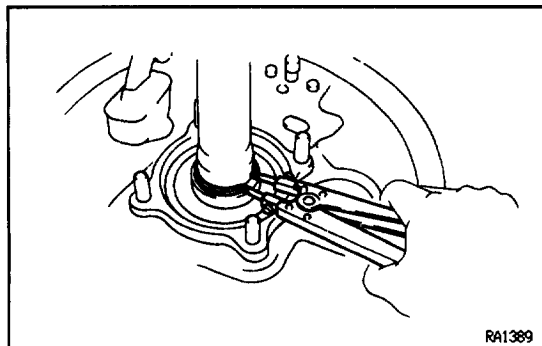
SST 09608-30012 (09608-04020, 09608-04100)



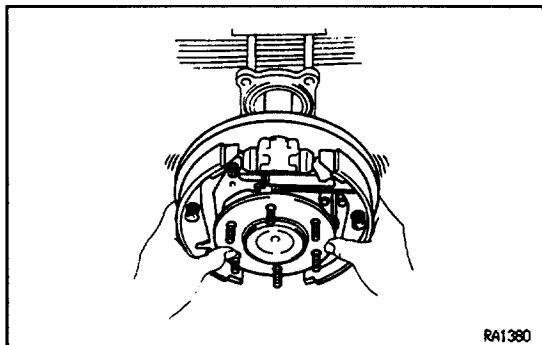
REAR AXLE SHAFT INSTALLATION

1. INSTALL REAR AXLE SHAFT IN BACKING PLATE

- Apply MP grease to the oil seal lip.
- Install the backing plate and bearing retainer on the rear axle shaft.
- Using SST and a press, press in the rear axle shaft into the backing plate.
SST 09515-30010



- Using snap ring pliers, install a new snap ring.

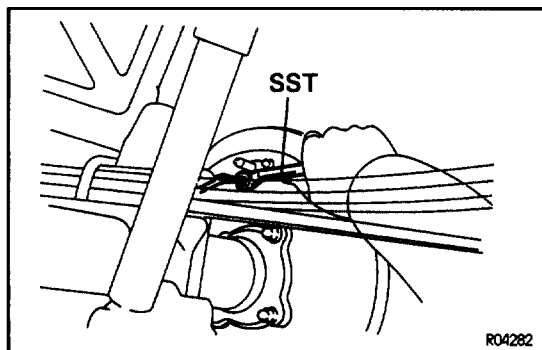


2. INSTALL REAR AXLE SHAFT INTO HOUSING

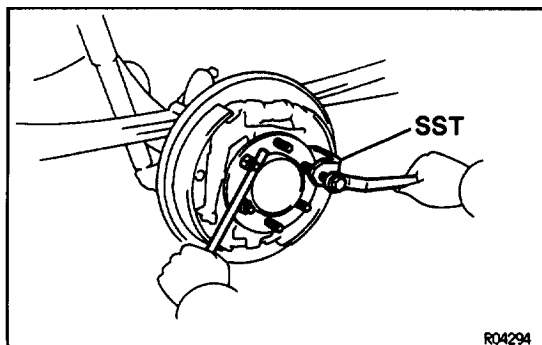
Install the rear axle with the 4 nuts.

Torque: 69 N·m (700 kgf·cm, 51 ft·lbf)

NOTICE: When inserting the axle shaft, be careful not to hit or deform the oil deflector inside the axle housing.



- CONNECT BRAKE LINE AND PARKING BRAKE CABLE
- INSTALL BRAKE DRUM AND WHEEL
- BLEED BRAKE SYSTEM
(See page [BR-9](#))
- LOWER VEHICLE

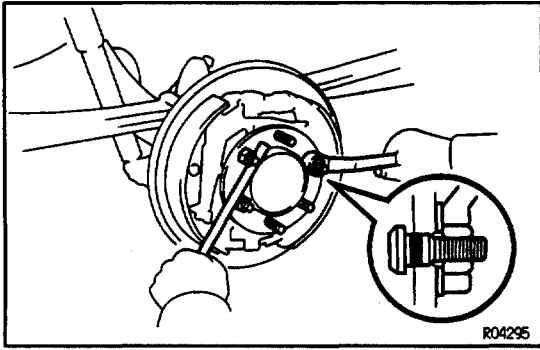


HUB BOLT REPLACEMENT

- JACK UP AND SUPPORT VEHICLE
- REMOVE WHEEL AND BRAKE DRUM
- REMOVE HUB BOLT

Using SST, remove the hub bolt.

SST 09650-17011

**4. INSTALL HUB BOLT**

Hold the axle shaft, using plate washer and nut, install a new hub bolt.

5. INSTALL BRAKE DRUM AND WHEEL

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

6. LOWER VEHICLE