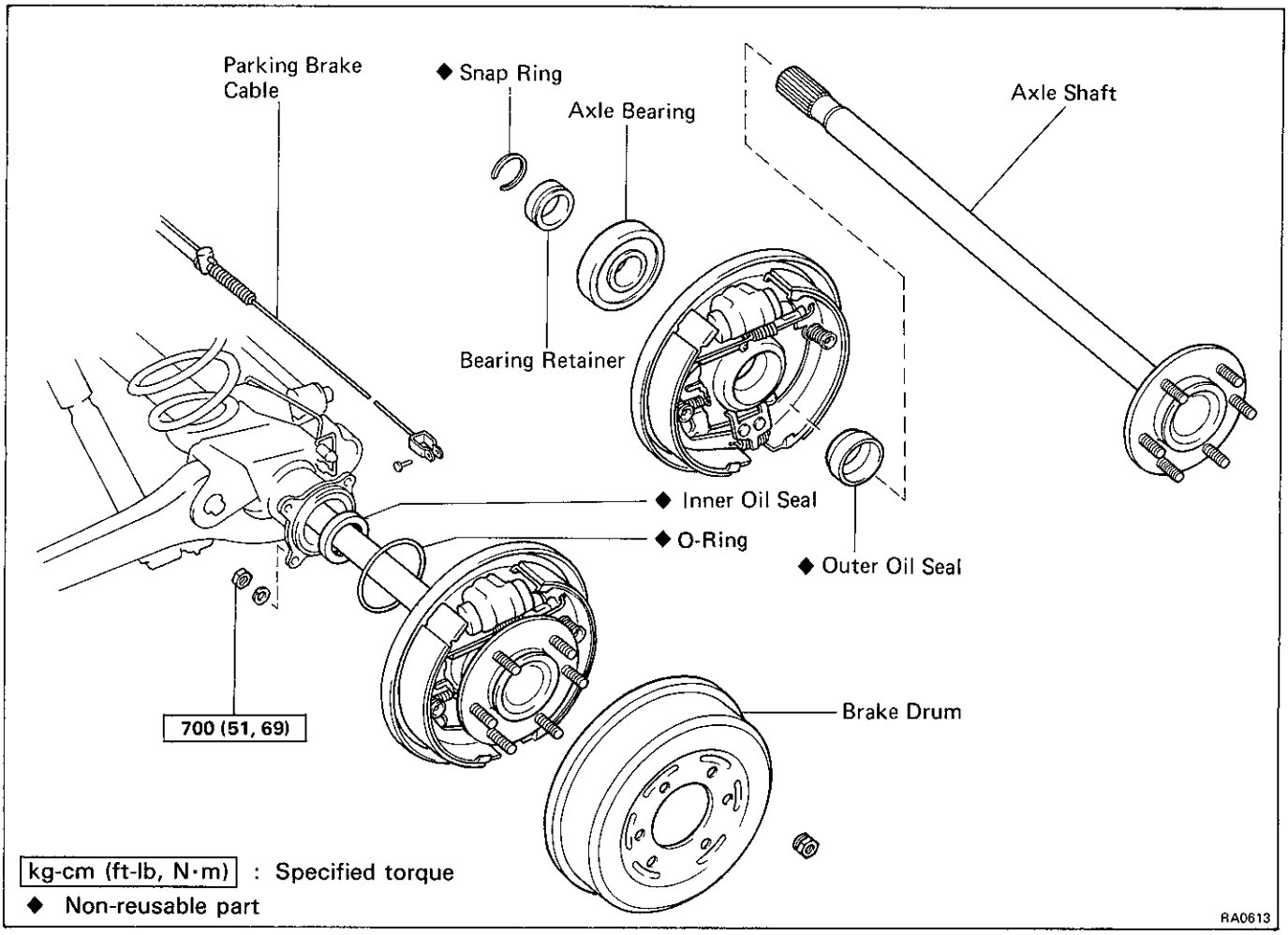
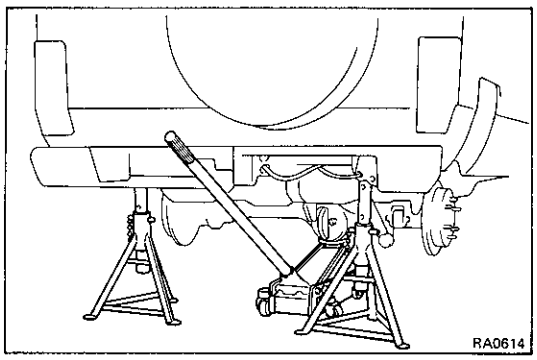
REAR AXLE SHAFT (Light-Duty)

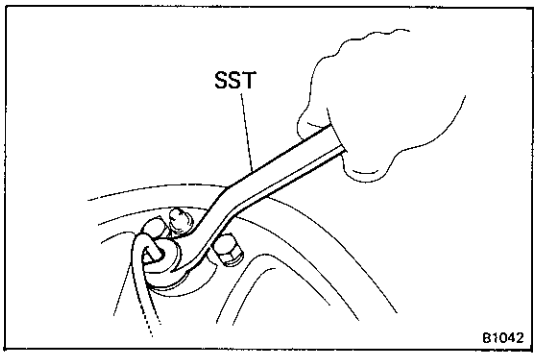
COMPONENTS





REMOVAL OF REAR AXLE SHAFT

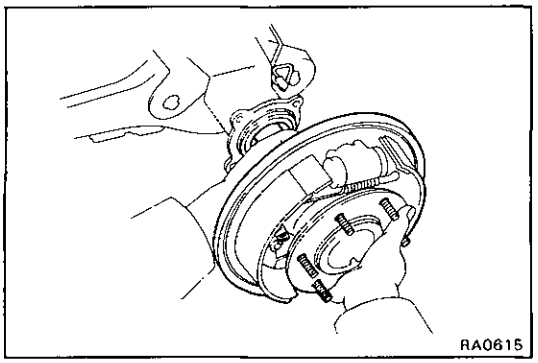
1. JACK UP AND SUPPORT VEHICLE
2. REMOVE WHEEL AND BRAKE DRUM



3. DISCONNECT BRAKE TUBE AND PARKING BRAKE CABLE
   (a) Using SST, disconnect the brake tube from the backing plate.

   SST 09751-36011

   (b) Remove the clip and pin from the parking brake cable.



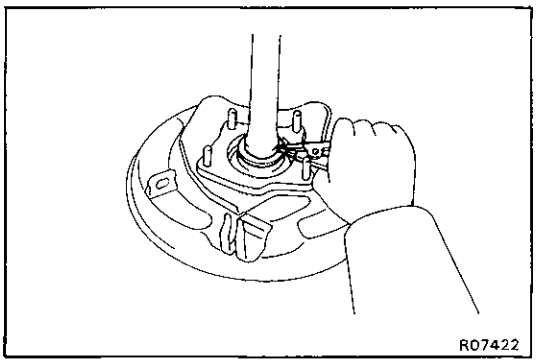
4. REMOVE REAR AXLE SHAFT ASSEMBLY

(a) Remove the four backing plate mounting nuts.

(b) Pull out the rear axle shaft assembly from the rear axle housing.

NOTICE: When pulling out the rear axle shaft, be careful not to damage the oil seal.

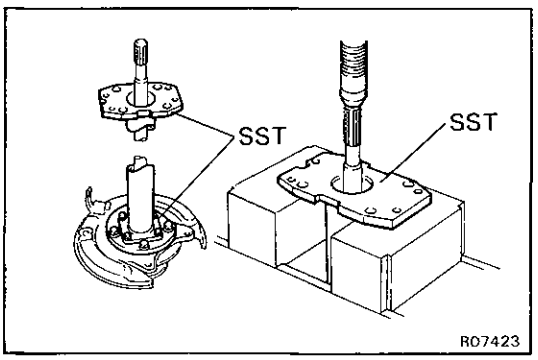
5. REMOVE O-RING FROM REAR AXLE HOUSING



DISASSEMBLY OF REAR AXLE SHAFT ASSEMBLY

(See page SA-208)

1. REMOVE SNAP RING FROM REAR AXLE SHAFT



2. REMOVE REAR AXLE SHAFT FROM BACKING PLATE

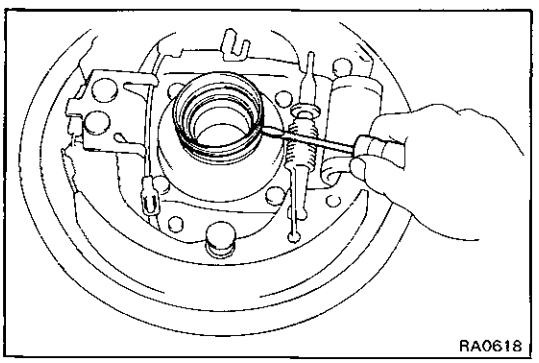
(a) Attach SST to the backing plate.

(Rear dram brake)
SST 09521-25011

(Rear disc brake)
SST 09521-25011, 09521-25020

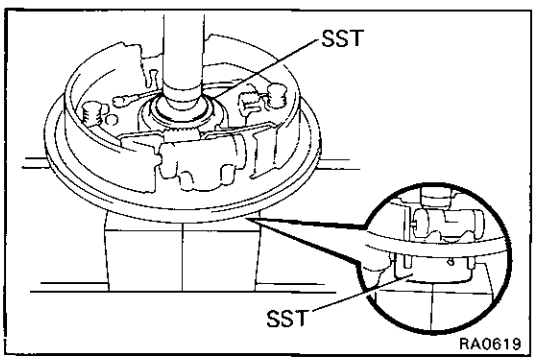
(b) Press out the rear axle shaft from the backing plate.

(c) Remove the bearing retainer from the axle shaft.



3. REMOVE OUTER OIL SEAL

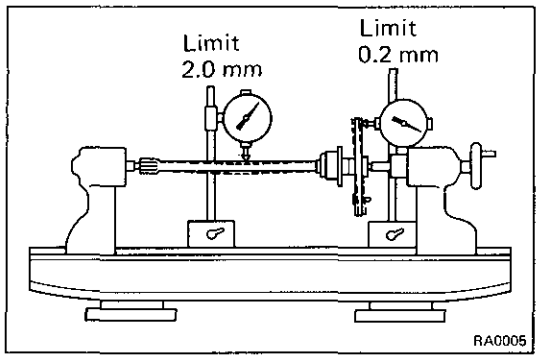
Using a screwdriver, remove a oil seal.



4. REMOVE REAR AXLE BEARING

Using SST, press out the bearing.

SST 09518-36020, 09608-35014 (09608-06100)

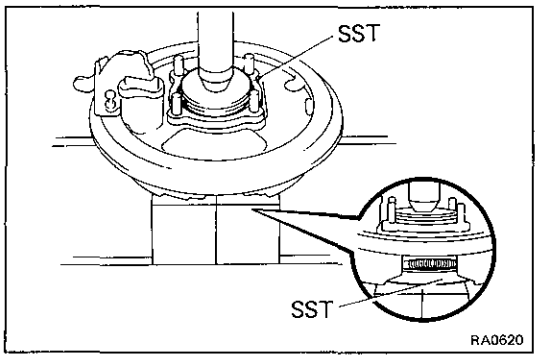


INSPECTION OF REAR AXLE SHAFT

INSPECT REAR AXLE SHAFT AND FLANGE 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.

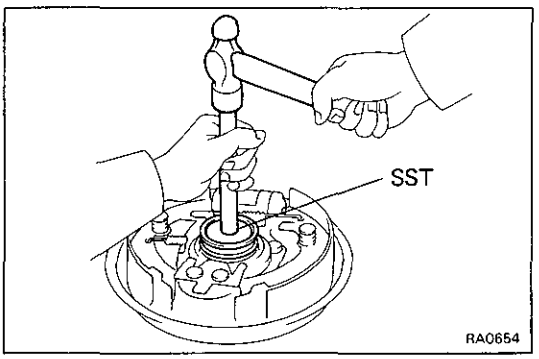


ASSEMBLY OF REAR AXLE SHAFT ASSEMBLY

(See page SA-208)

1. INSTALL REAR AXLE BEARING

Using SST, press in the new bearing to the backing plate.
SST 09515-21010, 09608-35014 (09608-06180)

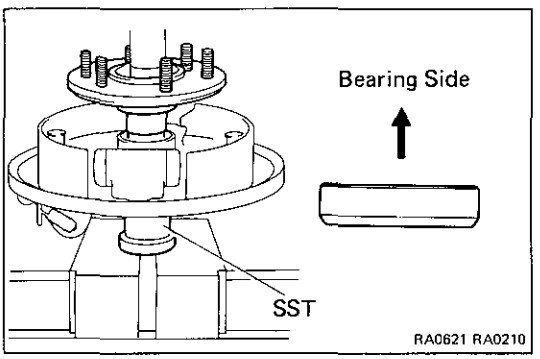


2. INSTALL OUTER OIL SEAL

(a) Using SST, press in the new oil seal to the backing plate.

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

(b) Apply the MP grease to the oil seal.

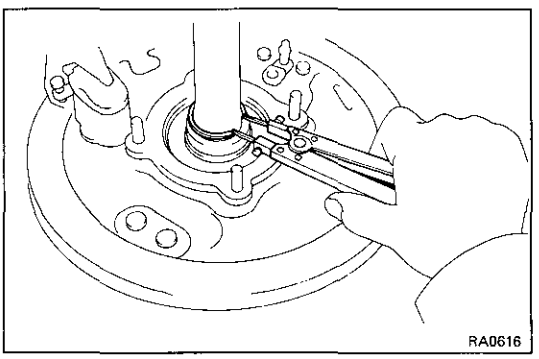


3. INSTALL REAR AXLE SHAFT TO BACKING PLATE

(a) Insert the backing plate and bearing retainer on the rear axle shaft.

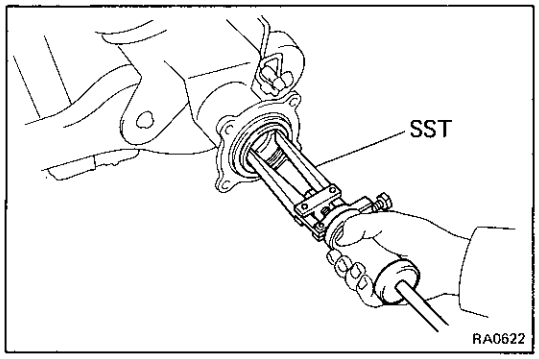
(b) Using SST, press the rear axle shaft in to the backing plate.

SST 09316-60010 (09316-00050)



4. INSTALL SNAP RING TO REAR AXLE SHAFT

Using snap ring pliers, install the snap ring.



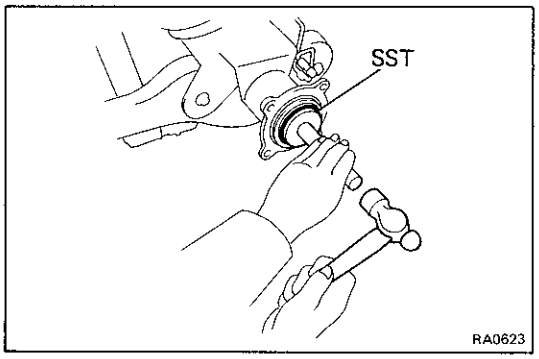
INSTALLATION OF REAR AXLE SHAFT ASSEMBLY

(See page SA-208)

1. REPLACE INNER OIL SEAL

(a) Using SST, remove the oil seal from the rear axle housing.

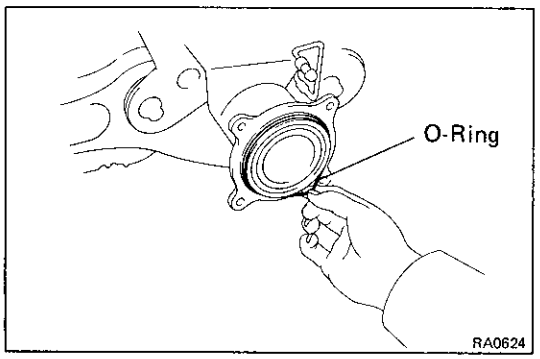
SST 09308-00010



(b) Using SST, drive in a new oil seal.

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

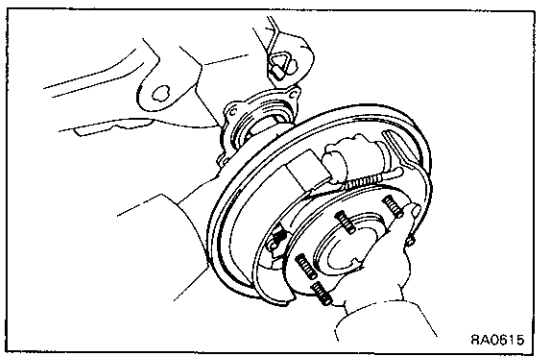
(c) Apply MP grease to the oil seal.



2. INSTALL O-RING TO REAR AXLE HOUSING

(a) Apply MP grease to the O-ring.

(b) Install the O-ring to the axle housing.



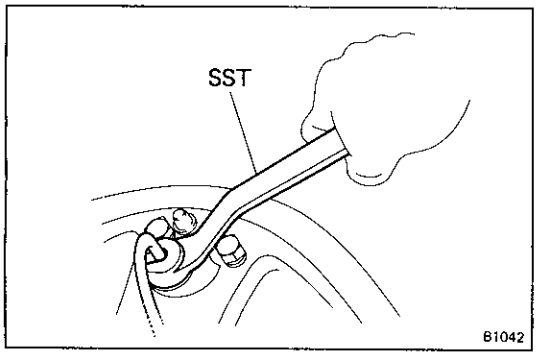
3. INSTALL REAR AXLE SHAFT ASSEMBLY IN AXLE HOUSING

(a) Insert the axle shaft to the housing.

NOTICE: Be careful not to damage the oil seal.

(b) Torque the four backing plate mounting nuts.

Torque: 700 kg-cm (51 ft-lb, 69 N·m)



4. CONNECT BRAKE TUBE AND PARKING BRAKE CABLE

SST 09751-36011

5. INSTALL BRAKE DRUM AND WHEEL

6. BLEED BRAKE SYSTEM

(See page BR-7)