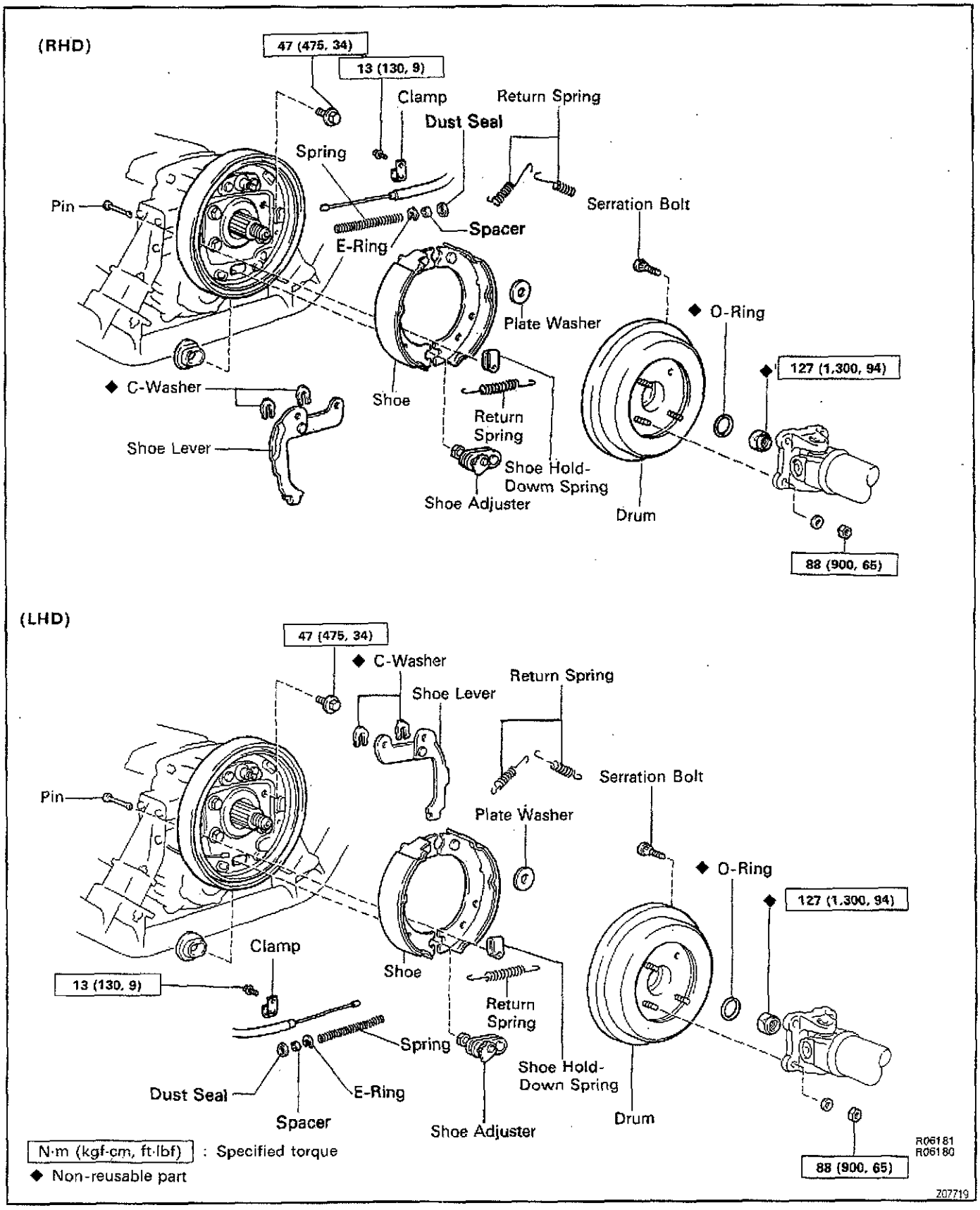
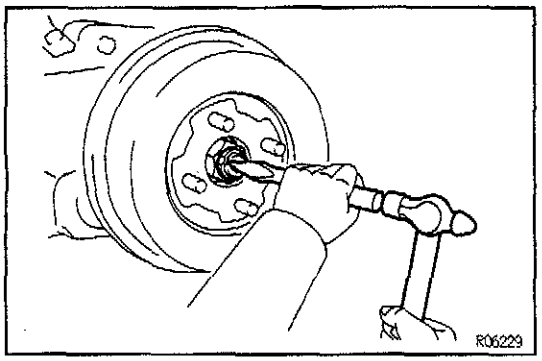
PARKING BRAKE
(6.3 in. Type)
COMPONENTS

BR0LF--01



BR0LG–01

PARKING BRAKE DISASSEMBLY

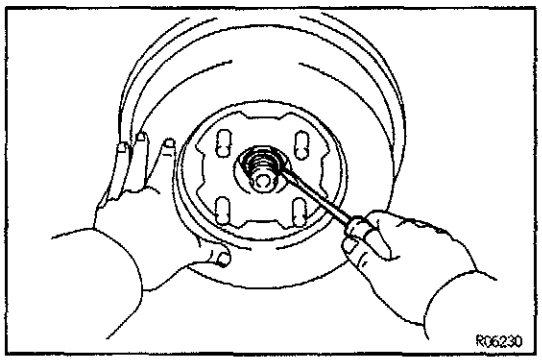


1. DISCONNECT PROPELLER SHAFT

2. REMOVE DRUM

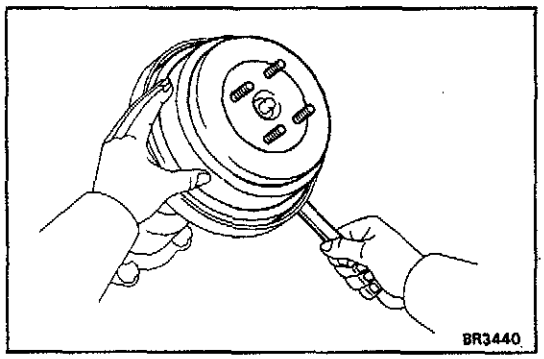
(a) Using a chisel and hammer, loosen the staked part of the nut.

(b) Remove the nut.

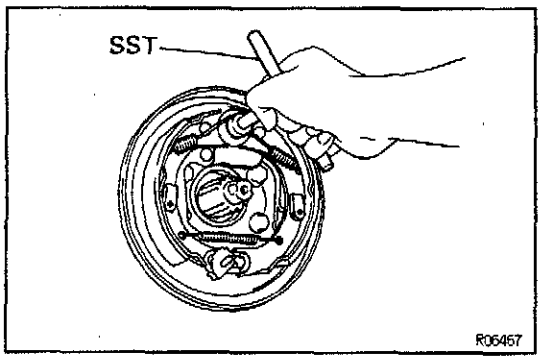


(c) Using a screwdriver, remove the O–ring.

(d) *Release the parking brake lever.*



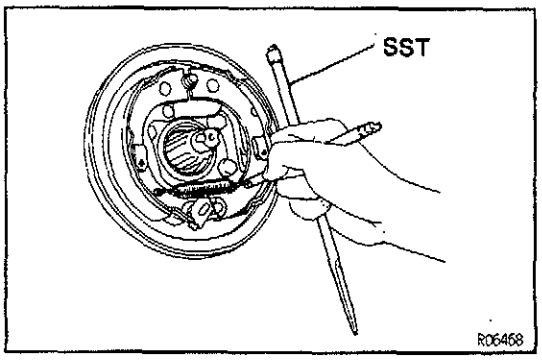
(e) Remove the drum.
HINT: If the brake drum cannot be removed easily, *turn the shoe adjuster clockwise until the drum nuts* freely.



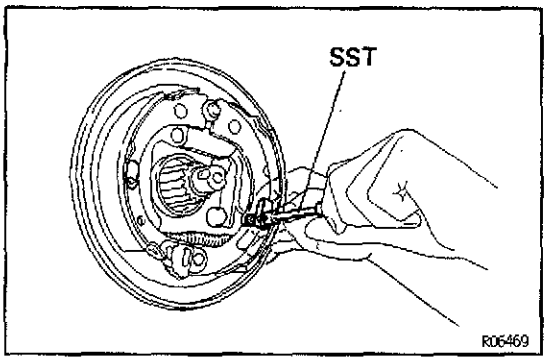
3. REMOVE RETURN SPRINGS

(a) Using SST, remove the 2 return springs on the upper side.
SST 09717–20010

(b) Remove the plate washer.

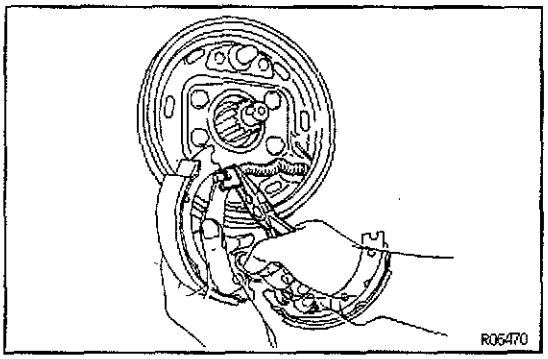


(c) Using SST, remove the return spring on the lower side.
SST 09703–30010

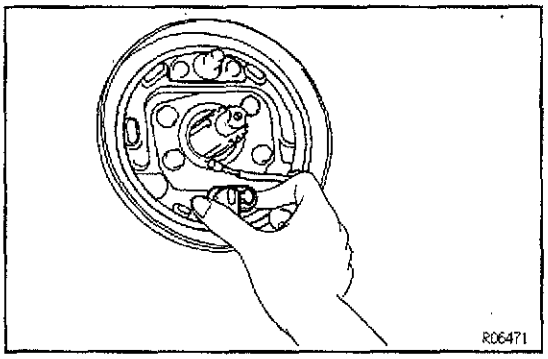


4. REMOVE BRAKE SHOES AND SHOE LEVER

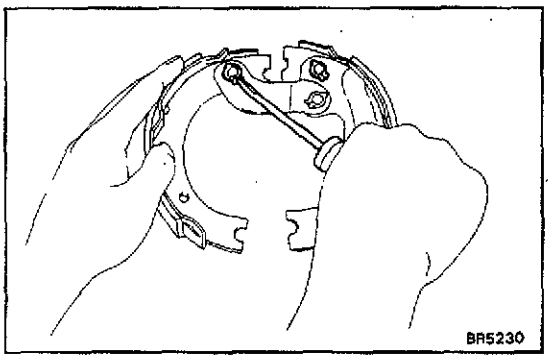
(a) Using SST, remove the shoe hold–down springs and pins.
SST 09718–00010



(b) Using needle – nose pliers, disconnect the parking brake cable from the shoe lever.



5. REMOVE PARKING BRAKE SHOE ADJUSTER



6. IF NECESSARY, REMOVE PARKING BRAKE SHOE LEVER FROM SHOE

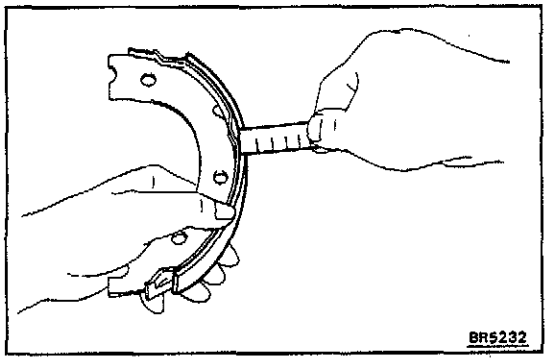
Using a screwdriver, remove the C – washers and disassembly the shoes and lever.

BR0LH–01

PARKING BRAKE COMPONENTS INSPECTION AND REPAIR

1. INSPECT DISASSEMBLED PARTS

Inspect the disassembled parts for wear, rust or damage.



2. MEASURE BRAKE SHOE LINING THICKNESS

Using a scale, measure the thickness of the shoe lining.

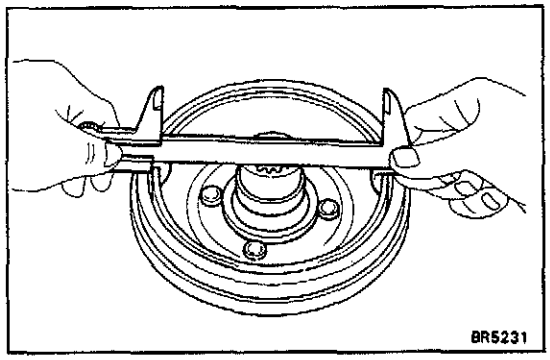
Standard thickness:

4.0 mm (0.157 in.)

Minimum thickness:

1.5 mm (0.059 in.)

If the lining thickness is at the minimum thickness or less, or if there is excessively uneven wear, replace the brake shoe.



3. MEASURE BRAKE DRUM INSIDE DIAMETER

Using a vernier caliper, measure the inside diameter of the parking brake drum.

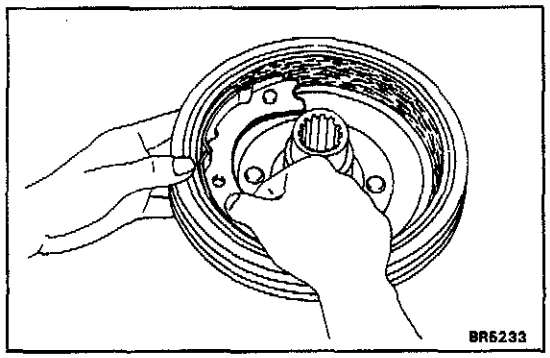
Standard inside diameter:

160 mm (6.30 in.)

Maximum inside diameter:

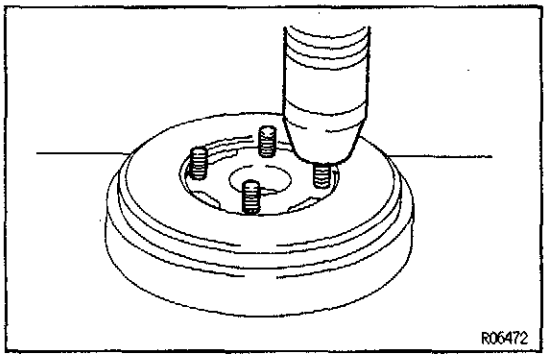
161 mm (6.34 in.)

If the drum is scored or worn, the brake drum may be lathed to the maximum inside diameter.



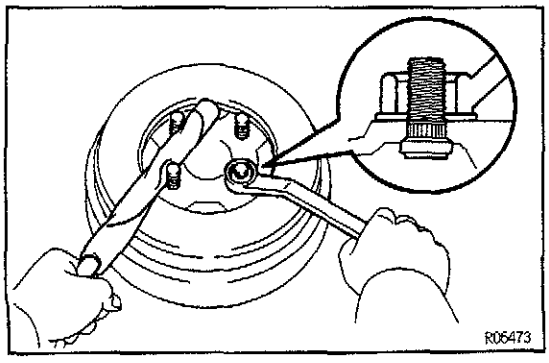
4. INSPECT PARKING BRAKE LINING AND DRUM FOR PROPER CONTACT

If the contact between the brake lining and drum is improper, repair the lining with a brake shoe grinder, or replace the brake shoe assembly.



5. IF NECESSARY, REPLACE SERRATION BOLTS

(a) Using a press, remove the serration bolts.

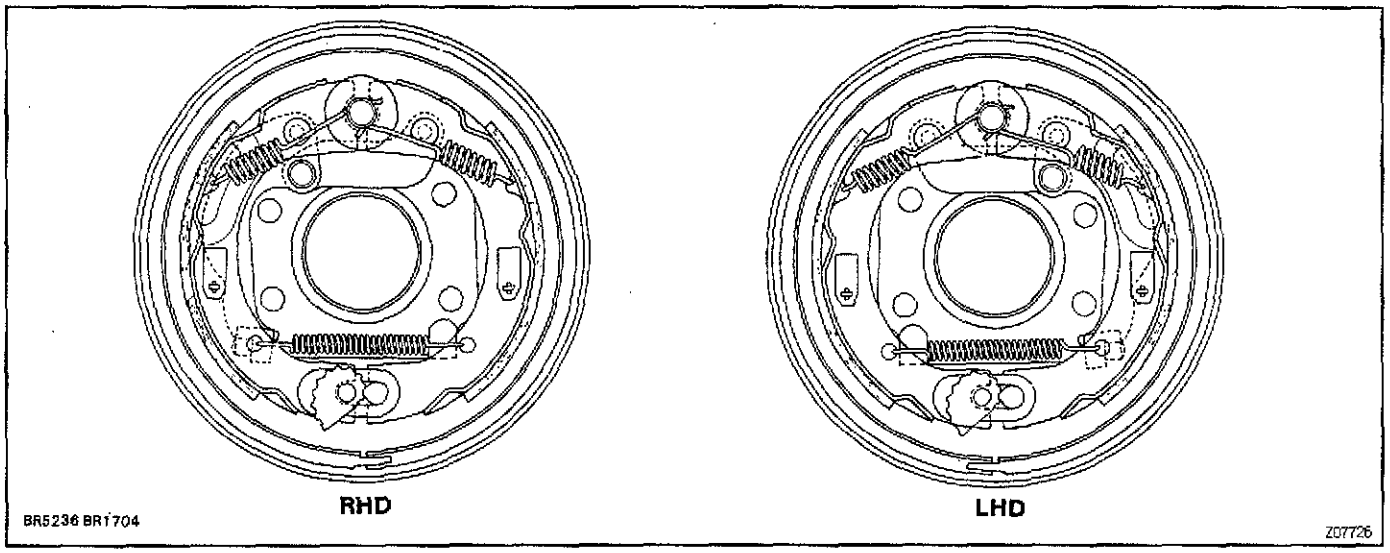


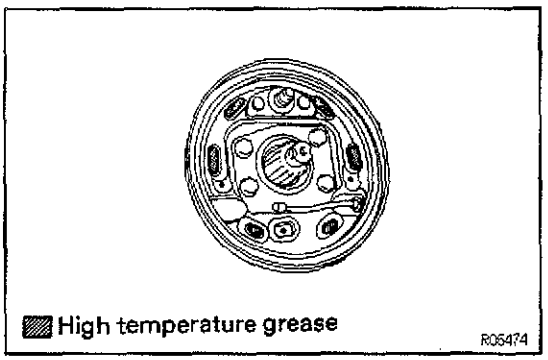
(b) Insert new serration bolts into the brake drum.

(c) Using a service nut and plate washer, install them and tighten the service nut until the serration bolt is fully installed.

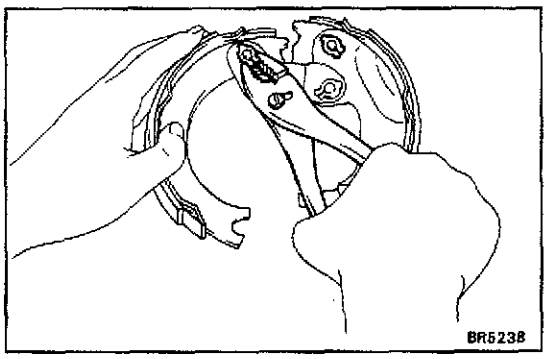
PARKING BRAKE ASSEMBLY

HINT: Assemble the parts in the correct direction, as shown.





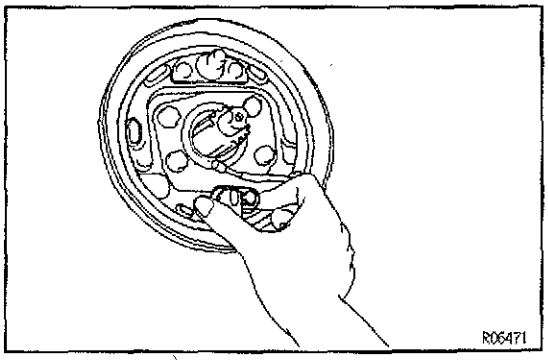
1. APPLY HIGH TEMPERATURE GREASE TO BACKING PLATE



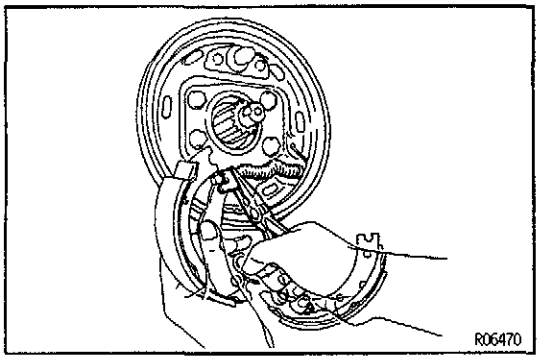
2. INSTALL HOSE LEVER TO BRAKE SHOES

(a) Assemble the shoes and shoe lever.

(b) Using pliers, install and stake a new C—washers.

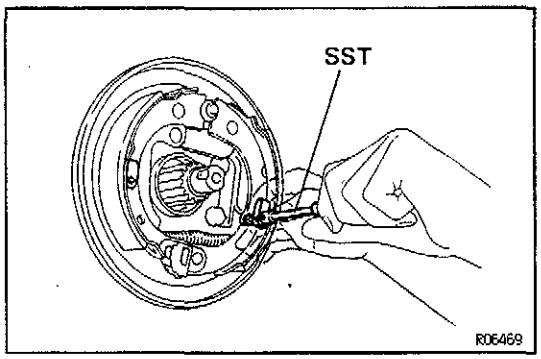


3. INSTALL PARKING BRAKE SHOE ADJUSTER



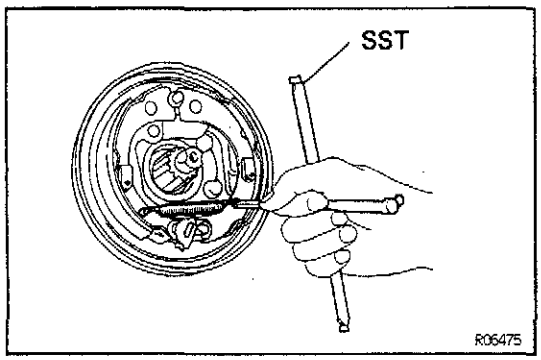
4. INSTALL BRAKE SHOES

(a) *Using needle–nose pliers, connect the parking brake* cable to the shoe lever.



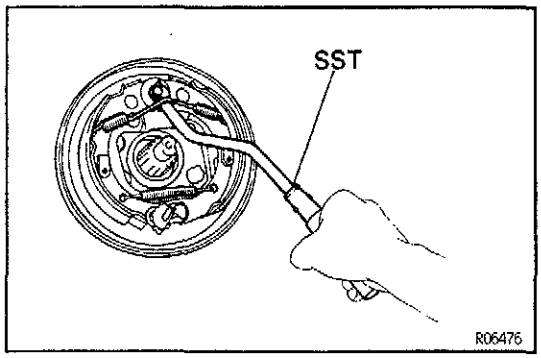
(b) Place the shoes with shoe lever on the backing plate.

(c) Using SST, install the shoe hold–down springs and pins.
SST 09718–00010



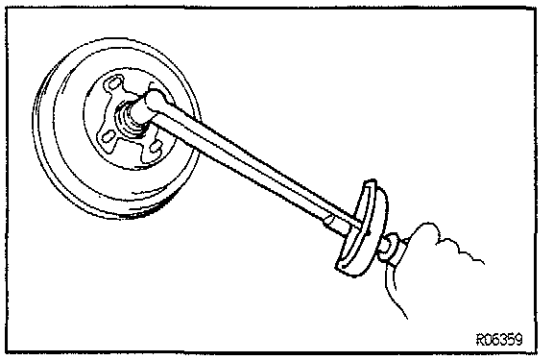
5. INSTALL RETURN SPRINGS

(a) Using SST, install the return spring on the lower side.
SST 09703–30010



(b) Install the plate washer on the anchor bolt.

(c) Using SST, install the 2 return springs on the upper side.
SST 09718–20010

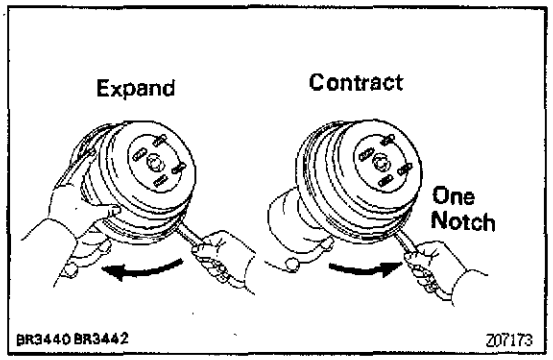


6. INSTALL BRAKE DRUM

(a) Turn the adjuster fully clockwise.

(b) Install the brake drum.

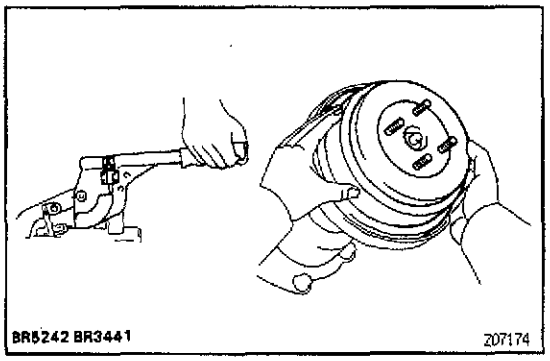
(c) Install a new O–ring and a new nut.
Torque: 127 N·m (1,300 kgf·cm, 94 ft·lbf)



7. ADJUST BRAKE SHOE CLEARANCE

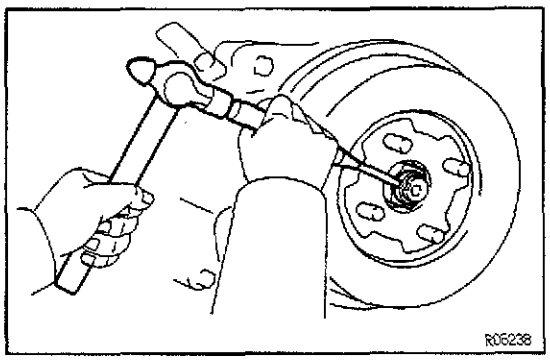
(a) Turn the shoe adjuster clockwise until the brake shoes are fully expanded.

(b) Turn the shoe adjuster counterclockwise 1 notch.



(c) With the parking brake lever pulled fully, check to see that the drum is locked.

(d) Release the parking brake lever and ensure that the parking brake is not dragging.
If dragging, turn the shoe adjuster counterclockwise another notch.



8. STAKE NUT

Using a pin punch and hammer, stake the nut.

9. CONNECT PROPELLER SHAFT

10. SETTLING PARKING BRAKE SHOES AND DRUM

(a) Drive the vehicle at about 60 km/h (38 mph) on a safe, level and dry road.

(b) With the parking brake release button pushed in, pull on the lever with 147 N (15 kgf, 33.1 lbf) of force.

(c) Drive the vehicle for about 5 secondsin this condition.
NOTICE: Do not repeat this procedure.