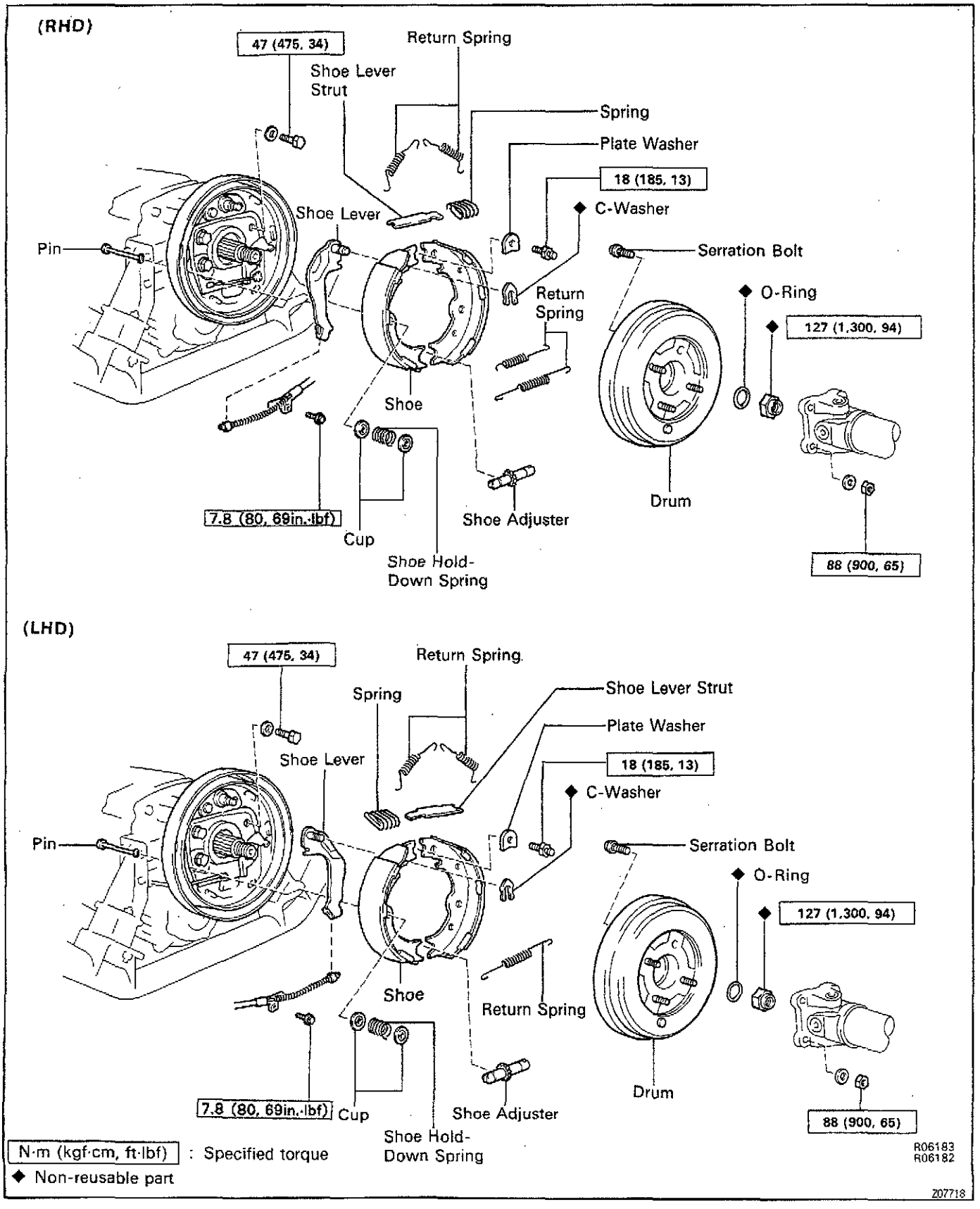
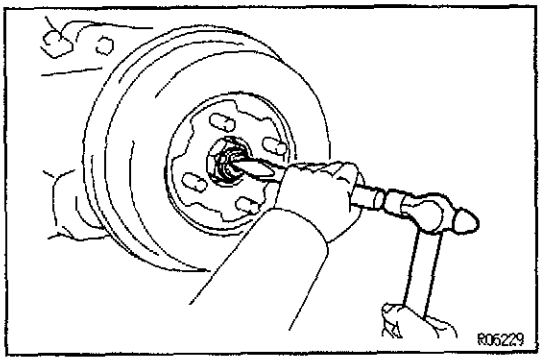
PARKING BRAKE (7.9 in. Type)

COMPONENTS

BRGLK-01



BR

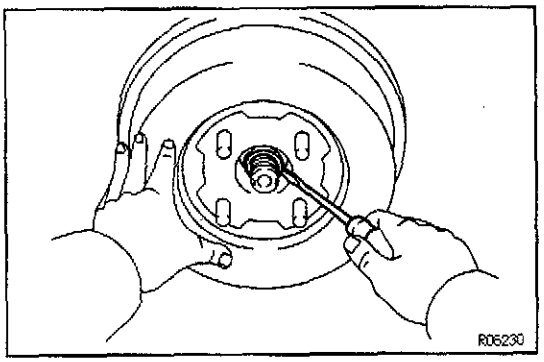


PARKING BRAKE DISASSEMBLY

1. DISCONNECT PROPELLER SHAFT

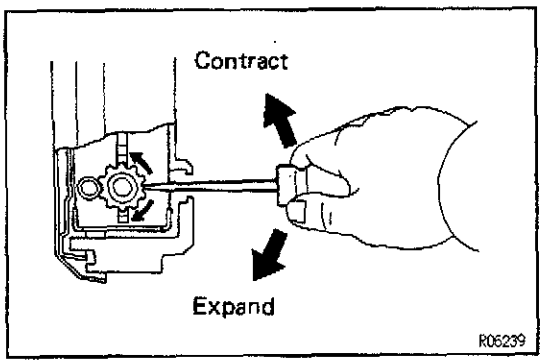
(a) Using a chisel and hammer, loosen the staked part of the nut.

(b) Remove the nut.

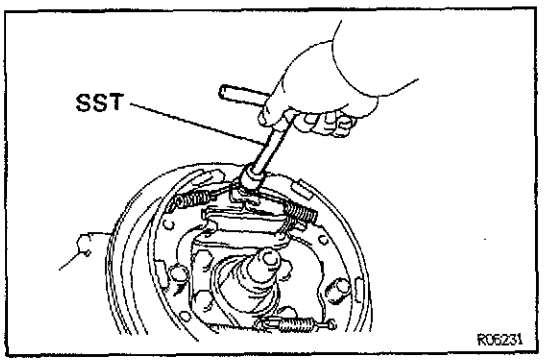


(c) Using a screwdriver, remove the O–ring.

(d) Release the parking lever.

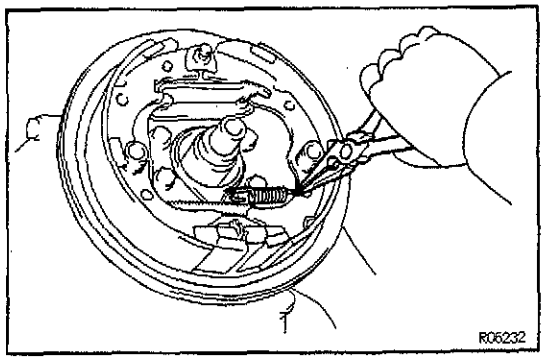


(e) Remove the drum.
HINT: If the brake drum cannot be removed easily, turn the shoe adjuster until the drum turns freely.

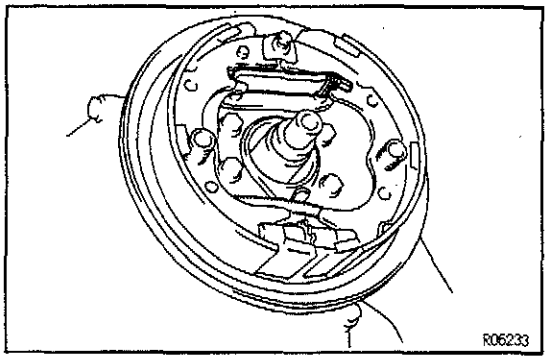


2. REMOVE RETURN SPRINGS

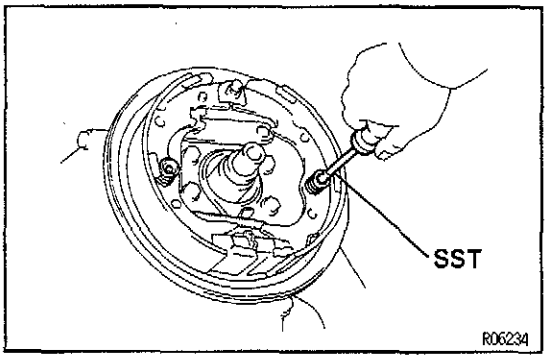
(a) Using SST, remove the 2 return springs on the upper side.
SST 09717–20010



(b) (RHD)
Using needle–nose pliers, remove the return spring on the lower side.

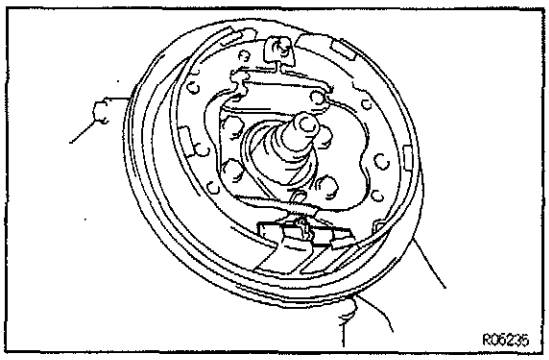


3. REMOVE SHOE LEVER STRUT WITH SPRING

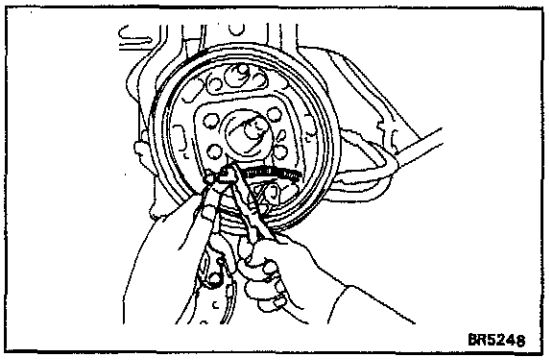


4. REMOVE BRAKE SHOES AND SHOE LEVER

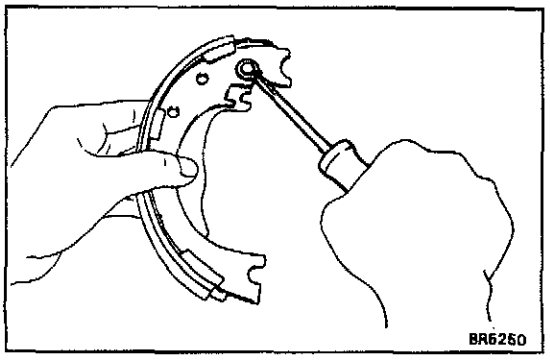
(a) Using SST, remove the shoe hold — down springs, cups and pins.
SST 09718—00010



(b) Remove the shoe adjuster.
(c) Remove the brake shoes and return spring.



(d) Using needle — nose pliers, disconnect the parking brake cable from the shoe.



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

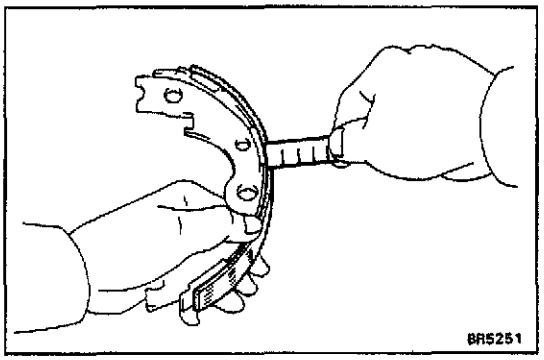
Using a screwdriver, remove the C—washer and disassemble the shoe and lever.

BR0LM-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

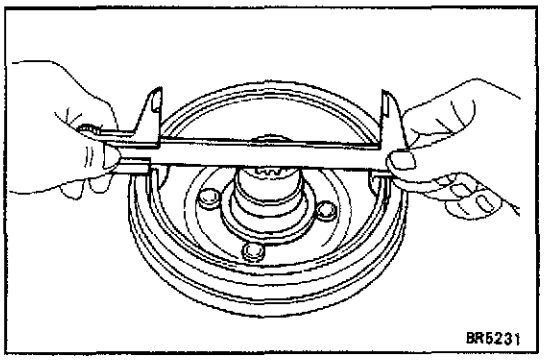
Standard thickness:

3.8 mm (0.150 in.)

Minimum thickness:

1.5 mm (0.059 in.)

If the shoe lining is less than minimum or shows signs of uneven wear, replace the brake shoes.



3. MEASURE BRAKE DRUM INSIDE DIAMETER

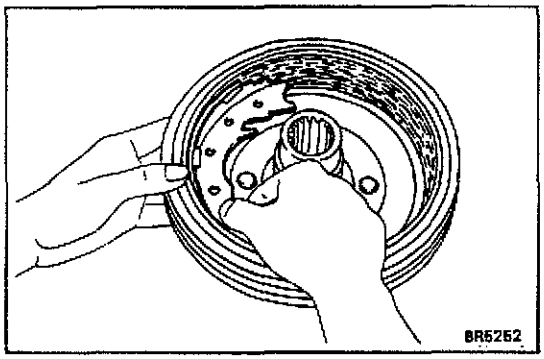
Standard inside diameter:

200.0 mm (7.87 in.)

Maximum inside diameter:

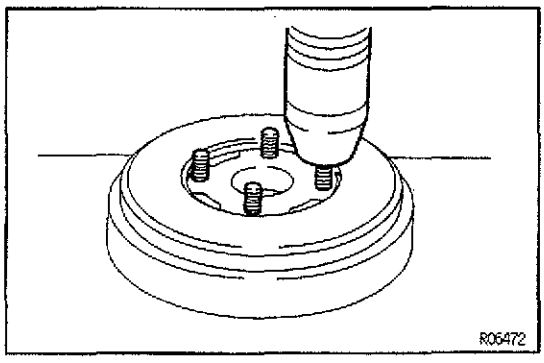
201.0 mm (7.91 in.)

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



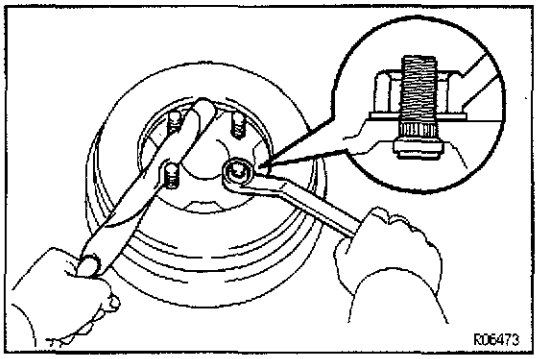
4. INSPECT PARKING BRAKE LINING AND DRUM FOR PROPER CONTACT

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.

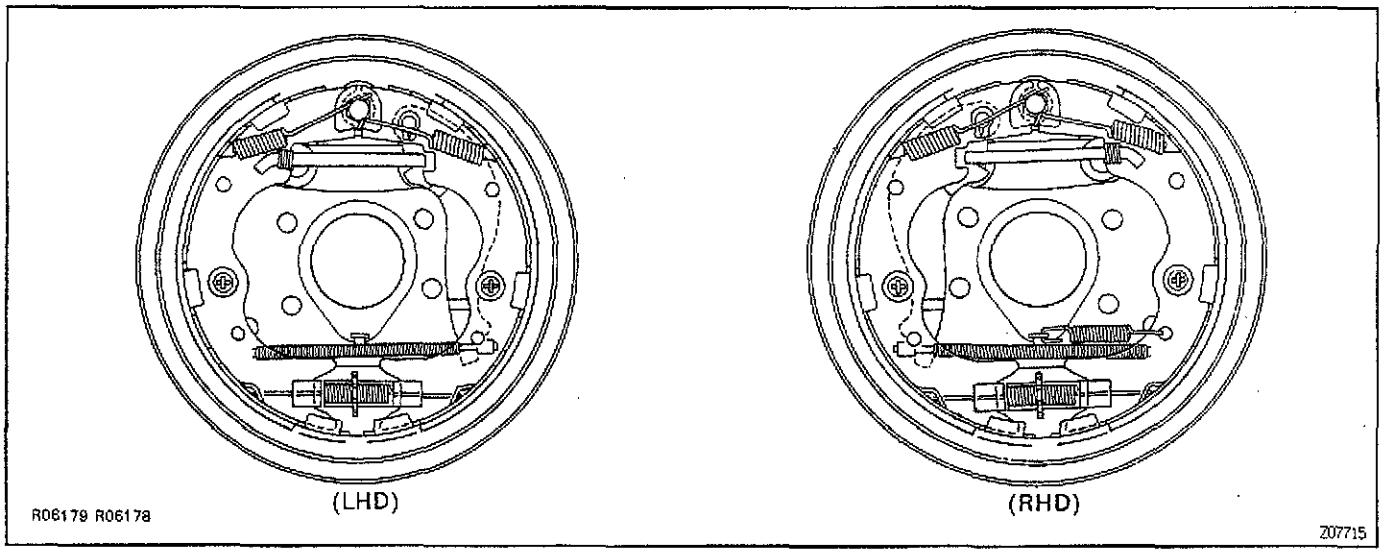


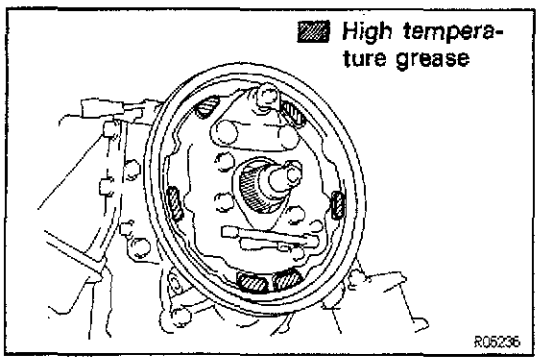
(b) Insert the new serration bolts into the brake drum.
(c) Using service nut and plate washer, install them and tighten the service nut until the serration bolt fully installed.

PARKING BRAKE ASSEMBLY

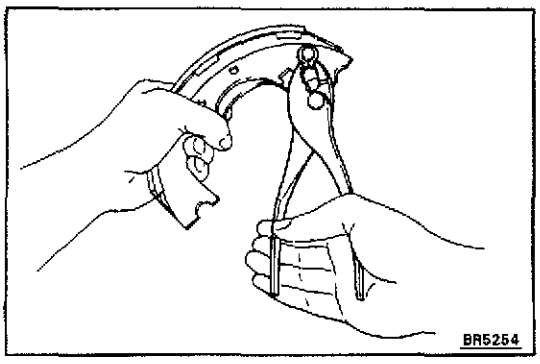
BRDLN-01

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



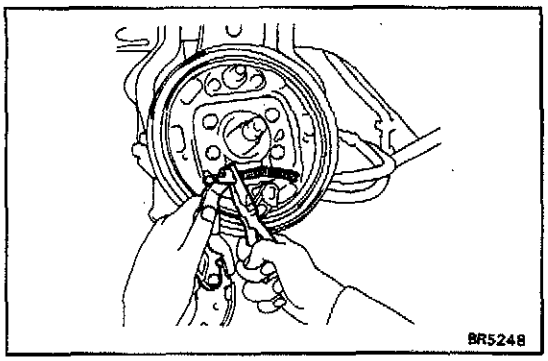


1. APPLY HIGH TEMPERATURE GREASE TO BACKING PLATE



2. INSTALL SHOE LEVER

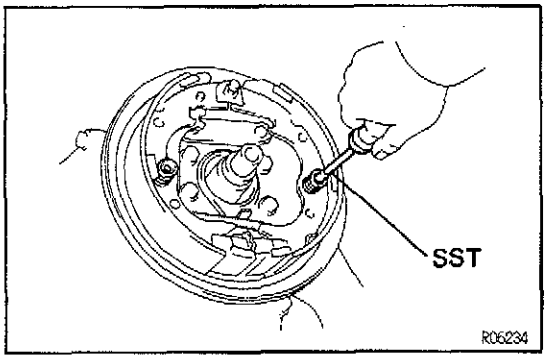
(a) Assemble the shoe and shoe lever.
(b) Using pliers, install and stake a new C—washer.



3. INSTALL BRAKE SHOES AND SHOE LEVER

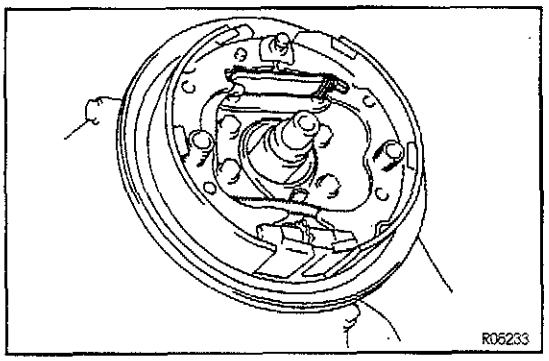
(a) Using needle–nose pliers, connect the parking brake cable to the shoe lever.

(b) Install the shoe adjuster and return spring to the shoe.

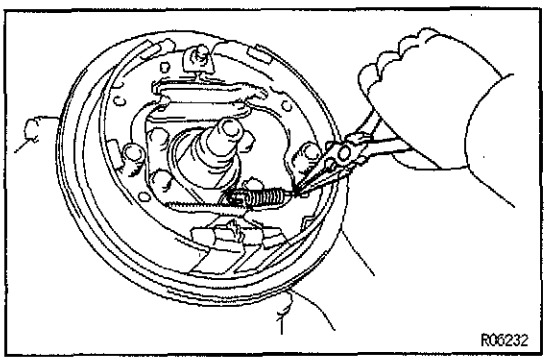


(c) Place the shoes on the backing plate.

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

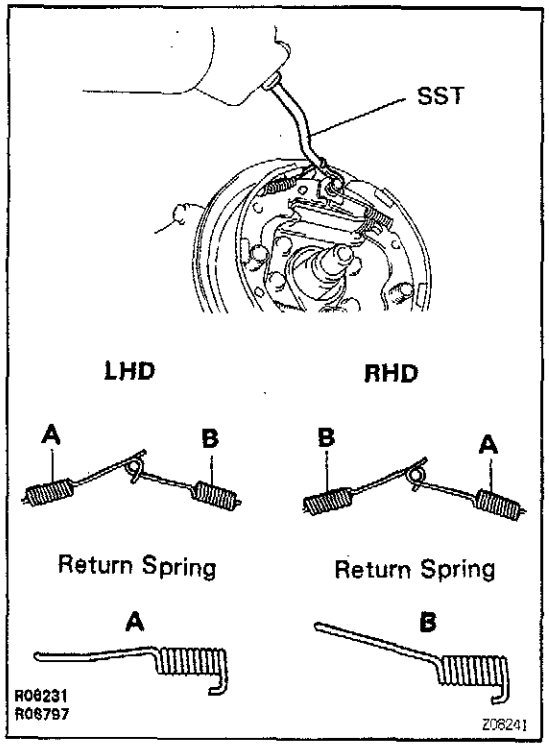


4. INSTALL SHOE LEVER STRUT AND SPRING



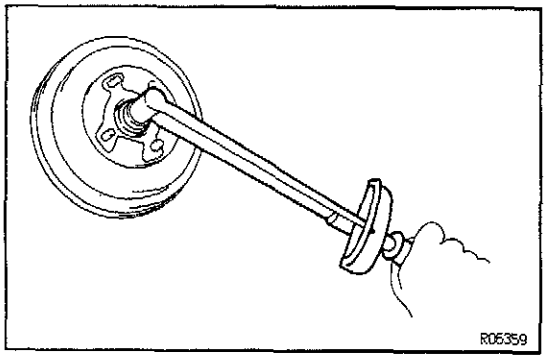
5. INSTALL RETURN SPRINGS

(a) (RHD)
Using needle–nose pliers, install the return spring on the lower side.



(b) *Using SST, install the return spring A on the upper side.*
SST 09718–20010

(c) *Using SST, install the return spring B on the upper side.*
SST 09718–20010

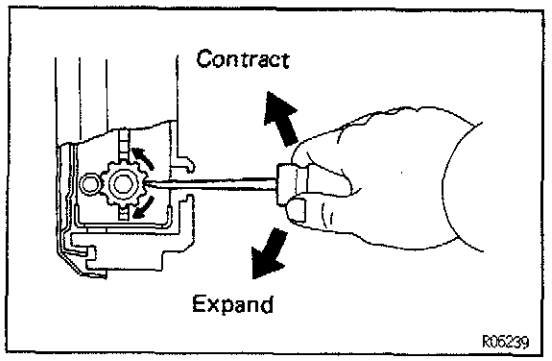


6. INSTALL BRAKE DRUM

(a) Turn the shoe adjuster fully contract.

(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)



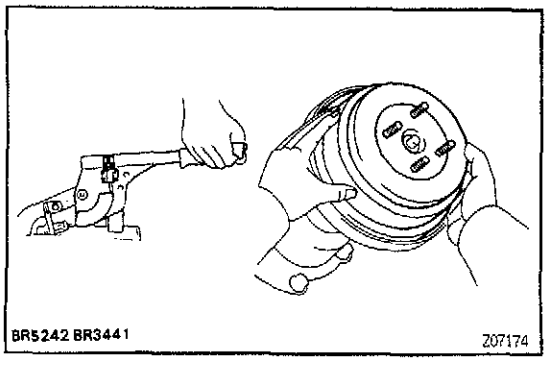
7. ADJUST BRAKE SHOE CLEARANCE

(a) Remove the hole plug.

(b) Turn the shoe adjuster and expand the shoes until the brake drum locks.

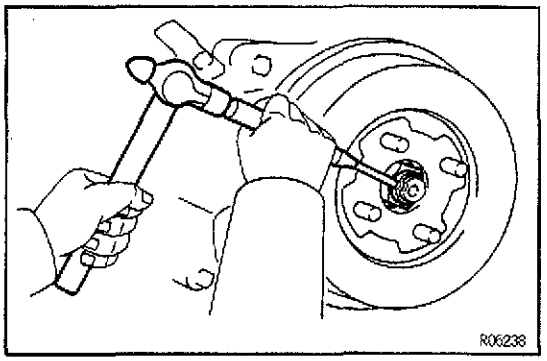
(c) *Return the shoe adjuster 7 notches.*

(d) Install the hole plug.



(e) With the parking brake lever pulled its full distance, check to see that the drum is locked.

(f) Release the parking brake lever and ensure that the parking brake is not dragging.
If dragging, return the shoe adjuster 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 seconds in this condition.

NOTICE: Do not repeat this procedure.