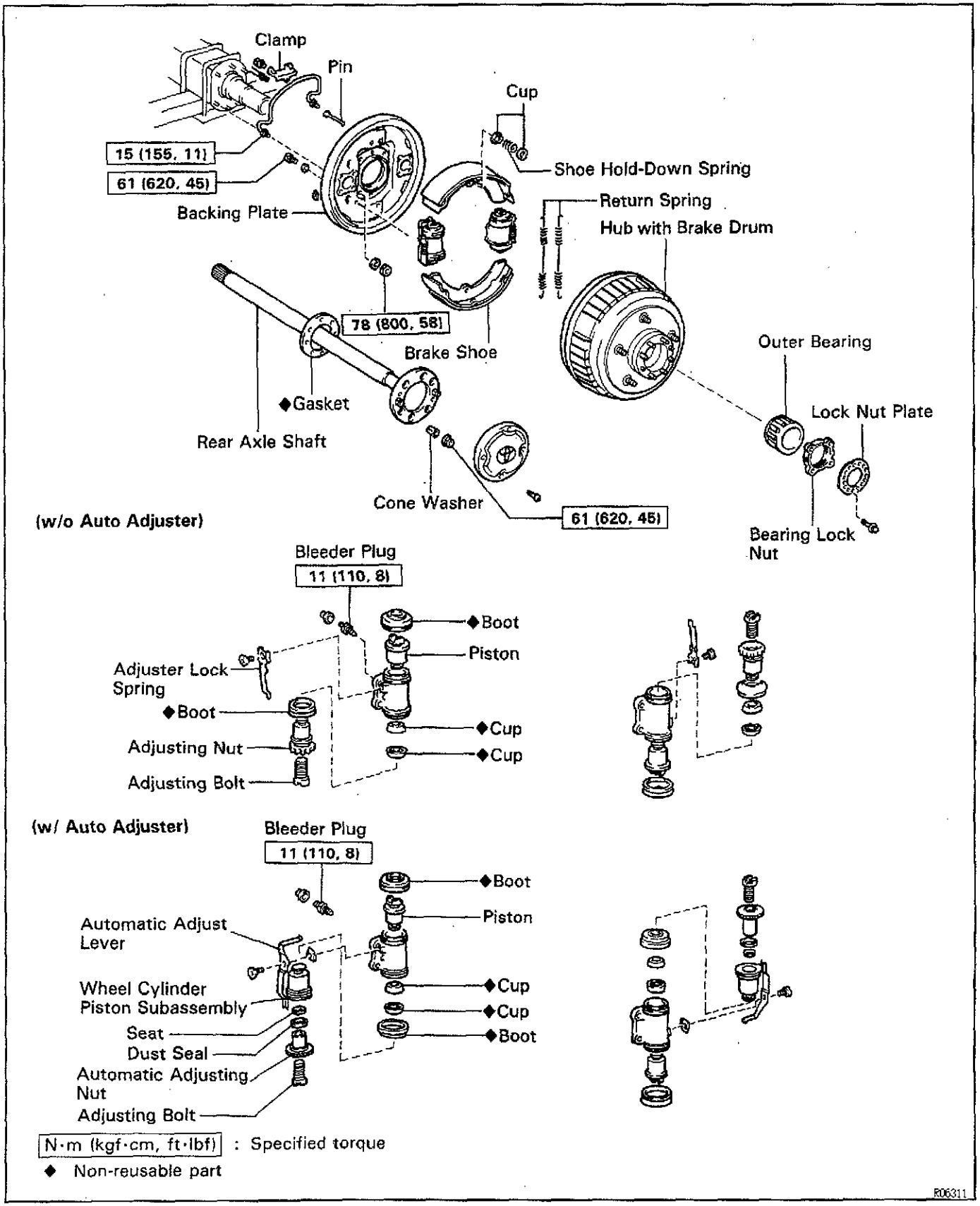
REAR BRAKE
COMPONENTS

BR0LS-01



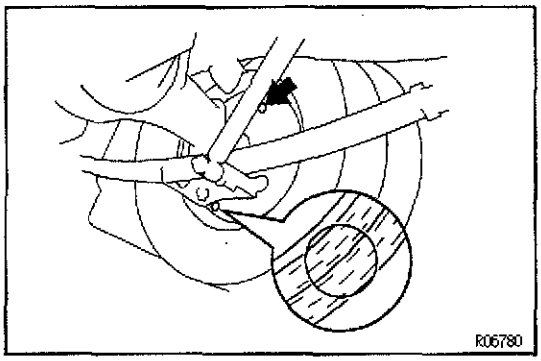
N·m (kgf·cm, ft·lbf) : Specified torque

◆ Non-reusable part

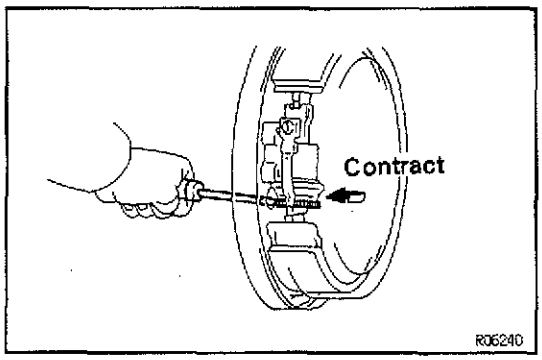
R06311

BRGLC-01

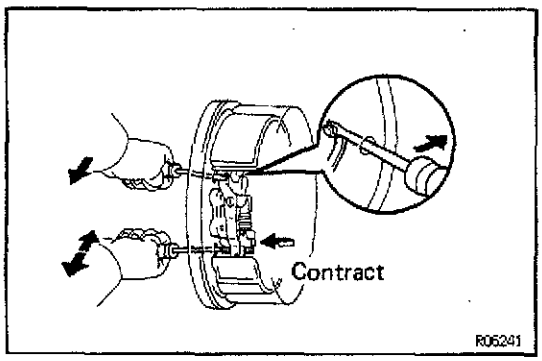
REAR BRAKE REMOVAL



1. **INSPECT SHOE LINING THICKNESS**
   Remove the inspection hole plugs, and check the shoe lining the thickness through the hole.
   If less than minimum, replace the shoes.
   Minimum thickness:
   4.2 mm (0.165 in.)
2. **REMOVE REAR AXLE SHAFT**
   (See page SA–43)
3. **REMOVE REAR WHEEL**



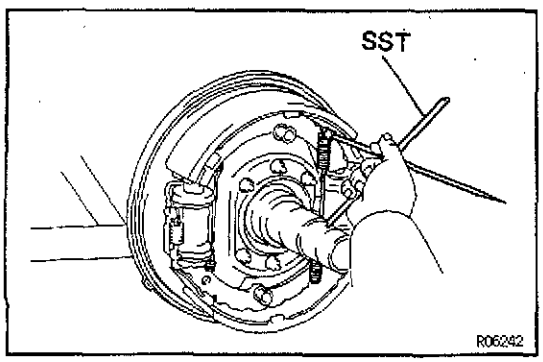
4. **REMOVE AXLE HUB WITH DRUM**
   HINT: If the brake drum cannot be removed easily, perform the following steps:
   (w/o Auto Adjuster)
   Insert a screwdriver through the hole in the backing plate, and reduce the brake shoe adjustment by turning the adjusting nut.



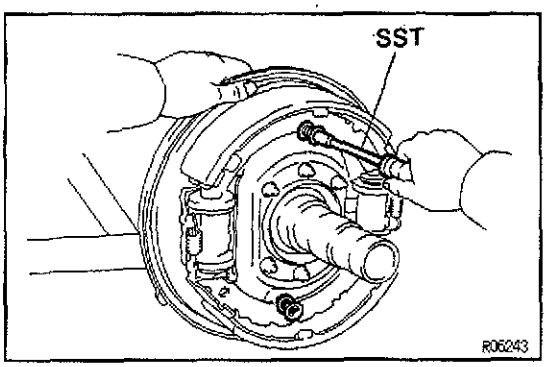
(w/ Auto Adjuster)

(a) Insert a screwdriver through the hole in the backing plate, and hold the adjust lever away from the adjuster.

(b) Using another screwdriver, reduce the brake shoe adjustment by turning the adjusting nut.



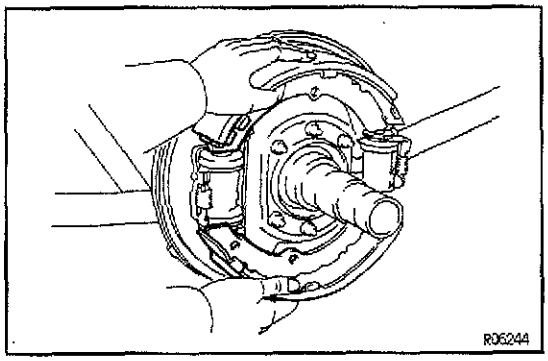
5. **REMOVE OUTER SIDE RETURN SPRING**
   Using SST, remove the outer side return spring.
   SST 09703–30010



6. REMOVE SHOE HOLD–DOWN SPRINGS

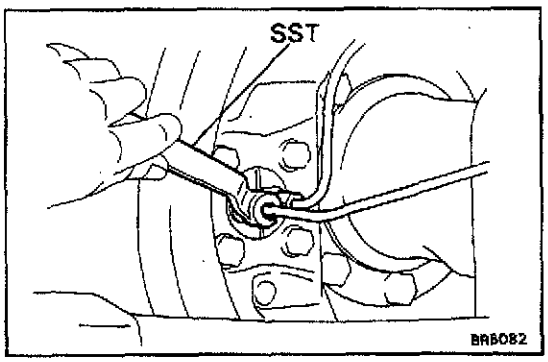
Using SST, remove the hold–down springs, cups and pins.

SST 09718–00010



7. REMOVE BRAKE SHOES AND INNER SIDE RETURN SPRING

Slide the shoes and remove them together with the inner side return spring.



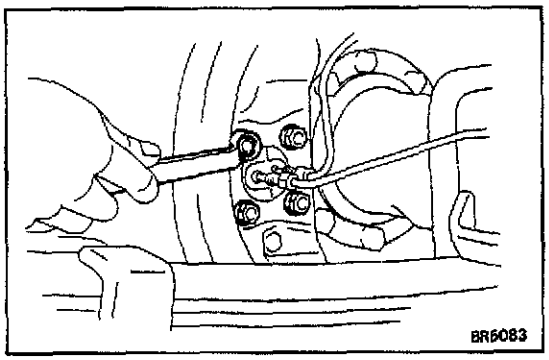
8. IF NECESSARY, REMOVE WHEEL CYLINDERS

(a) Remove the brake tube clamp.

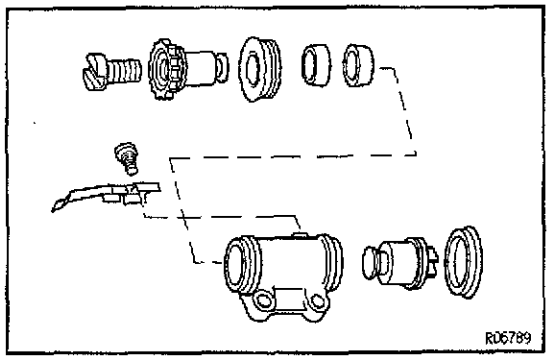
(b) Using SST, disconnect the brake line from the wheel cylinders.

SST 09751–36011

HINT: Use a container to catch the brake fluid.



(c) Remove the bolts and wheel cylinders.

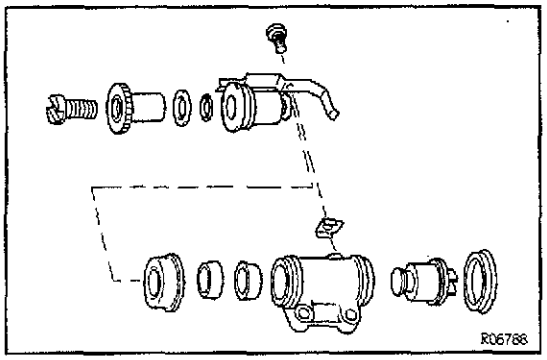


9. IF NECESSARY, DISASSEMBLE WHEEL CYLINDER

Remove the following parts from the wheel cylinder.

(w/o Auto Adjuster)

- Adjusting bolt and nut
- 2 boots
- Piston
- 2 cups



(w/ Auto Adjuster)

- Adjust lever support spring
- Adjusting bolt and nut
- Dust seal
- Seat
- Wheel cylinder piston subassembly and automatic adjust lever with spring
- 2 boots
- Piston
- 2 cups

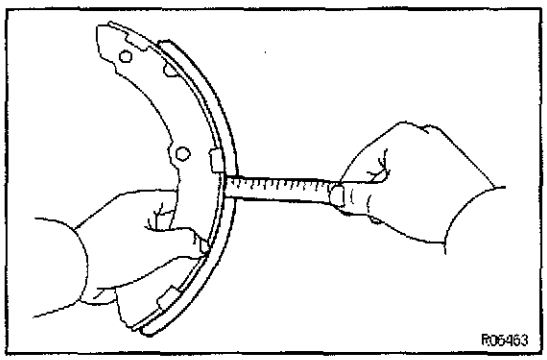
BRDLD-01

REAR DRUM BRAKE COMPONENTS INSPECTION AND REPAIR

1. INSPECT DISASSEMBLED PARTS

Inspect the disassembled parts for wear, rust or damage.

BR



2. MEASURE BRAKE SHOE LINING THICKNESS

Standard thickness:

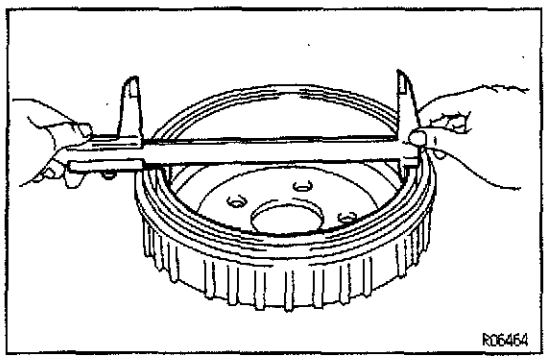
10.2 mm (0.402 in.)

Minimum thickness:

4.2 mm (0.165 in.)

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

HINT: If any of the brake shoes have to be replaced, replace all of the rear shoes in order to maintain even braking.



3. MEASURE BRAKE DRUM INSIDE DIAMETER

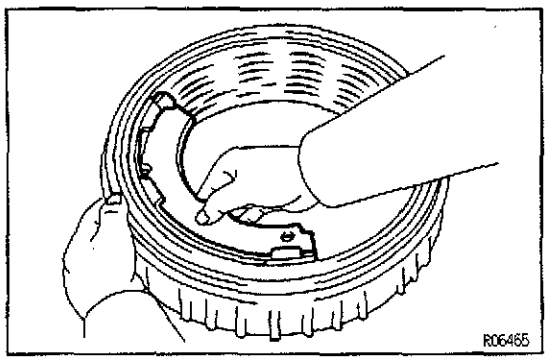
Standard inside diameter:

320.0 mm (12.60 in.)

Maximum inside diameter:

322.0 mm (12.68 in.)

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

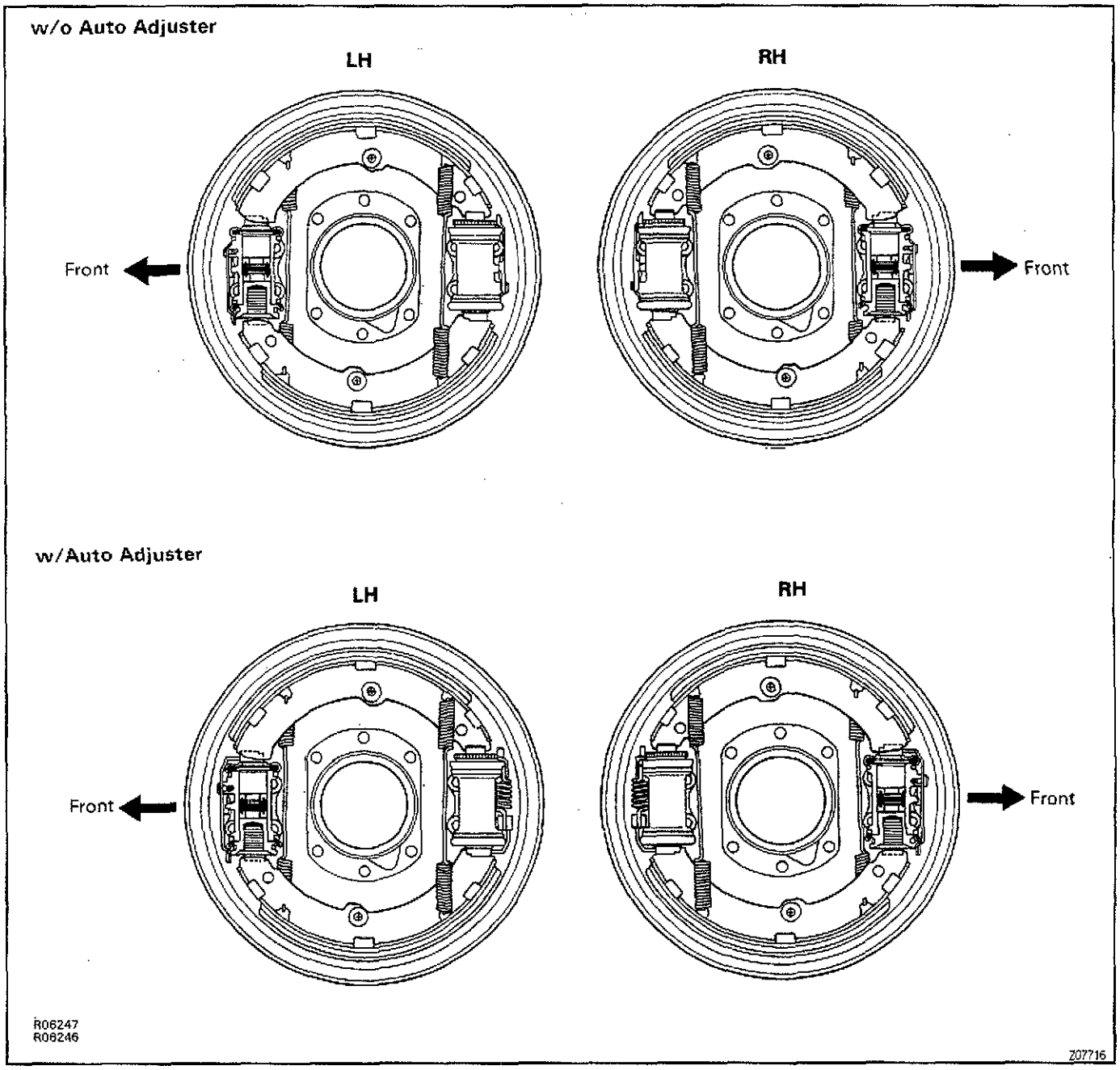


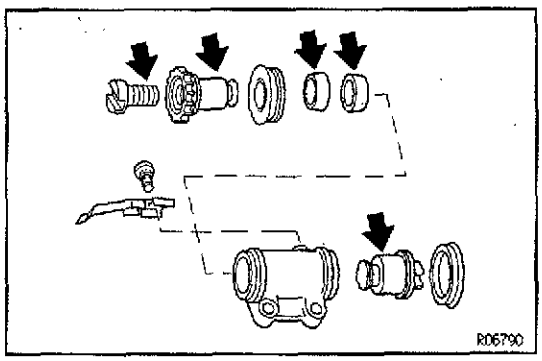
4. INSPECT REAR BRAKE LINING AND DRUM FOR PROPER CONTACT

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.

REAR DRUM BRAKE INSTALLATION

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

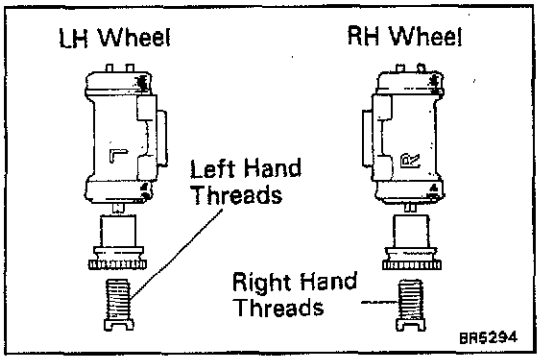




1. **ASSEMBLE WHEEL CYLINDER**
   (w/o Auto Adjuster)

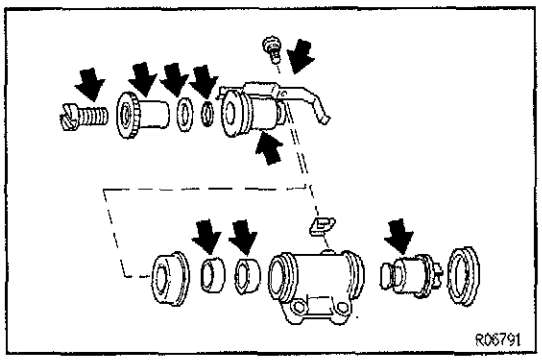
(a) Apply lithium soap base glycol grease to parts, as shown.

(b) Assemble the wheel cylinder.
HINT: Install in proper direction only.
- 2 cups
- Piston
- 2 boots



(c) Install the adjusting bolt and nut to the wheel cylinder. There are 2 kinds of adjusting nuts and bolts. Make sure each location has its correct adjusting nuts and bolts.
RH wheel (R mark) – Right–hand threads
LH wheel (L mark) – Left–hand threads

(d) Install the adjuster lock spring.

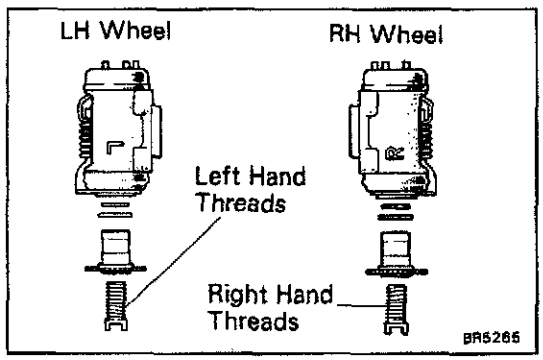


(w/ Auto Adjuster)

(a) Apply lithium soap base glycol grease to parts, as shown.

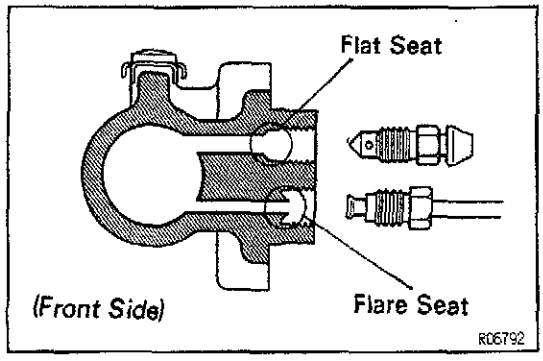
(b) Assemble the wheel cylinder.
HINT: Install in proper direction only.
- 2 cups
- Piston
- 2 boots
- Wheel cylinder piston subassembly and automatic adjuster lever with spring
- Adjust lever support spring
- Screw

BR



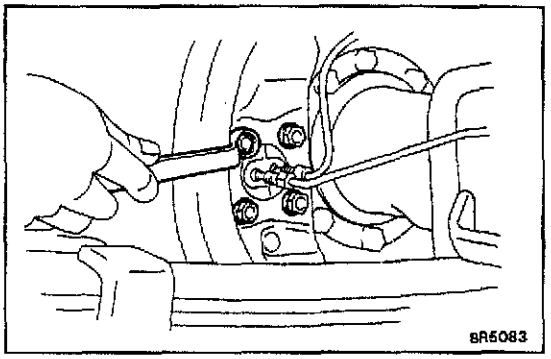
(c) Install the seat and dust seal to the wheel cylinder piston subassembly.

(d) Install the adjusting nut and bolt to the wheel cylinder piston subassembly.
There are 2 kinds of adjusting nuts and bolts. Make sure each location has its correct adjusting nuts and bolts.
RH wheel (R mark) – Right–hand threads
LH wheel (L mark) – Left–hand threads



2. INSTALL BLEEDER PLUG

Temporarily install the bleeder plugs, as shown.
HINT:
- Front side wheel cylinder union seats are flat and flare shaped, as shown.
- Both union seats of rear side wheel cylinder are flared.

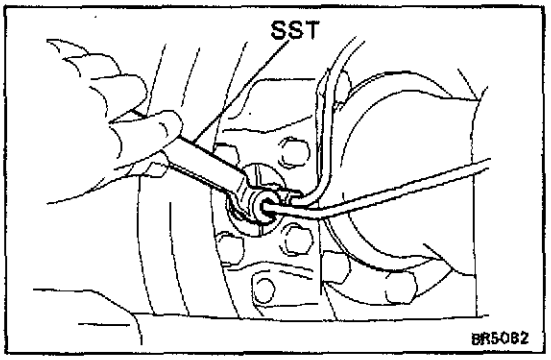


3. INSTALL WHEEL CYLINDERS

(a) Install the front side wheel cylinders with the adjuster facing downward.

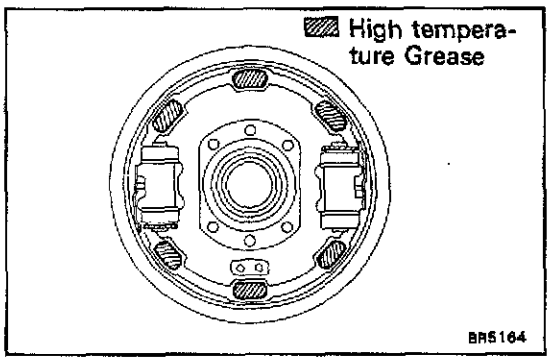
(b) Install the rear side wheel cylinder with the adjuster facing upward.
HINT: The cut–out part of the piston head should be facing toward the center of the axle.

(c) Torque the bolts.
Torque: 61 N·m (620 kgf·cm, 45 ft·lbf)



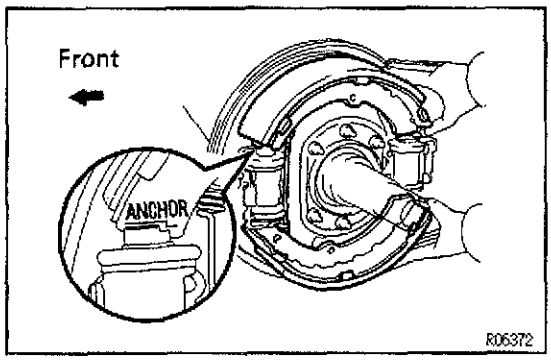
4. INSTALL BRAKE LINE TO WHEEL CYLINDER
After tightening by finger, tighten the nut with SST.
SST 09751–36011
Torque: 15 N·m (155 kgf·cm, 11 ft·lbf)

5. INSTALL BRAKE TUBE CLAMP



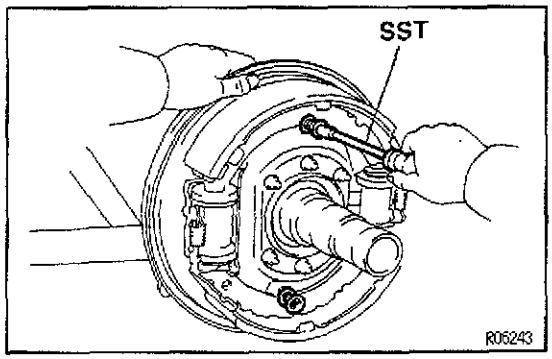
6. INSTALL BRAKE SHOES AND RETURN SPRINGS

(a) Apply high temperature grease to the brake shoe contact surfaces, as shown.

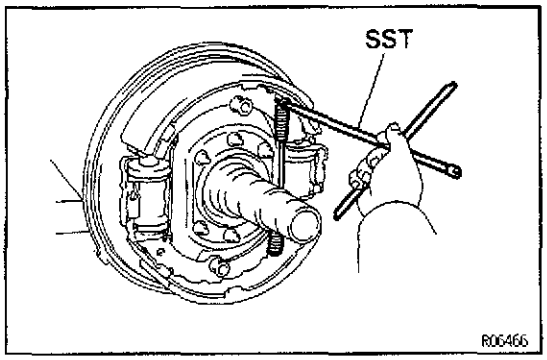


(b) Hook the return spring to the brake shoe front inner side.

(c) Install the brake shoes.
HINT: When the shoe with "ANCHOR" written on it is properly installed, the projection of the shoe fits into the cut–out of the piston head.

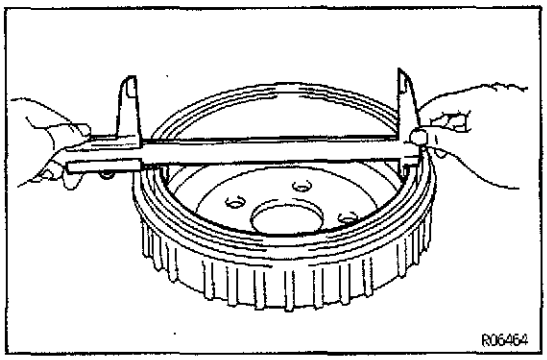


(d) Using SST, install the shoe hold–down springs, cups and pins.
SST 09718–00010



(e) Using SST, install the other side return spring.
SST 09703–30010

7. CLEAN LINING AND INNER DRUM WITH SANDPAPER

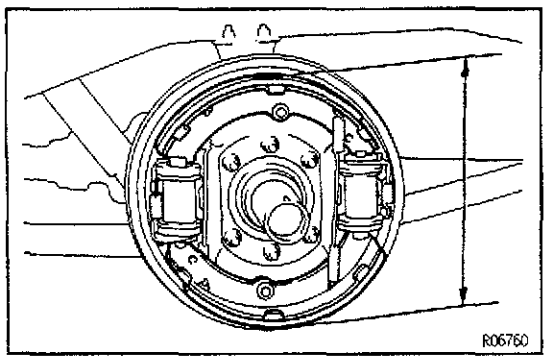


8. (w/ Auto Adjuster)
CHECK CLEARANCE BETWEEN BRAKE SHOES AND DRUM

Measure the brake drum inside diameter and diameter of the brake shoes. Check that the difference between the diameter is the correct shoe clearance.

Reference clearance:

less than 0.5 mm (0.02 in.)



9. INSTALL DRUM WITH AXLE HUB

10. FILL BRAKE RESERVOIR WITH BRAKE FLUID AND BLEED BRAKE SYSTEM
(See page BR–9)

11. CHECK FLUID LEAKAGE

12. (w/o Auto Adjuster)
ADJUST BRAKE SHOE CLEARANCE
(See page BR–10)

13. INSTALL REAR AXLE SHAFT
(See page SA–44)

14. INSTALL WHEELS