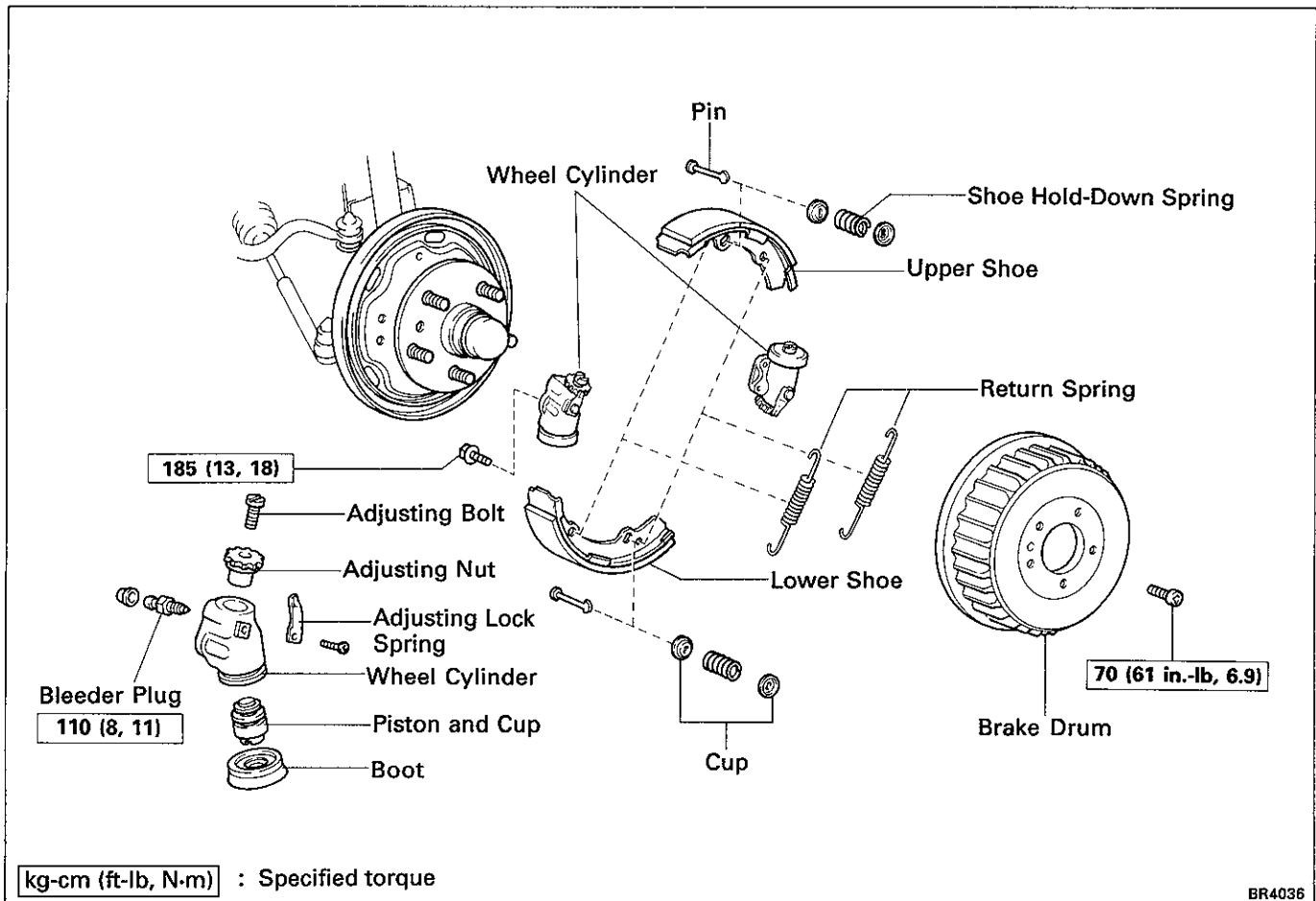


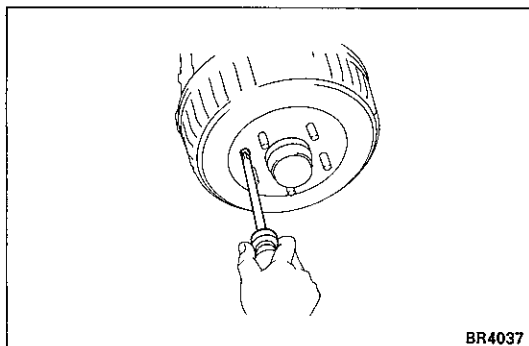
FRONT BRAKE

Drum Brake

COMPONENTS



BR4036

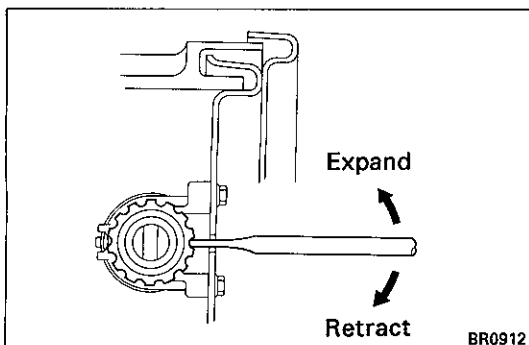


BR4037

REMOVAL OF FRONT BRAKE

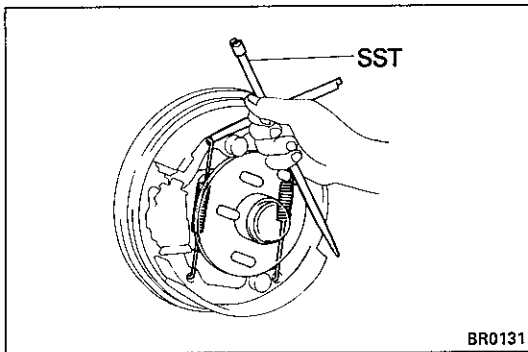
1. REMOVE FRONT WHEEL
2. REMOVE BRAKE DRUM

Remove the screw and brake drum.



BR0912

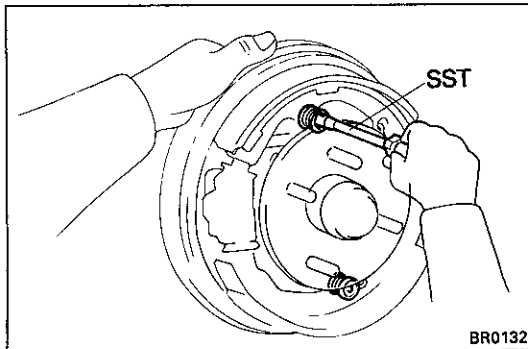
HINT: If the brake drum can not be removed easily, remove the plug in the backing plate and insert a screwdriver through the hole, and reduce the brake shoe adjustment by turning the adjusting nut.



3. REMOVE RETURN SPRINGS

Using SST, remove the front and rear return springs.

SST 09703-30010

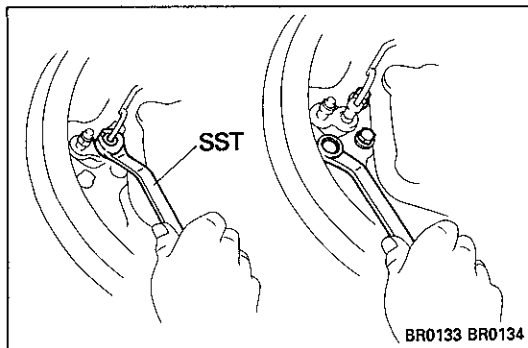


4. REMOVE BRAKE SHOES

(a) Using SST, remove the upper side shoe hold-down spring, two cups and a pin. Then remove the upper shoe.

SST 09718-00010

(b) Similarly, remove the lower shoe.



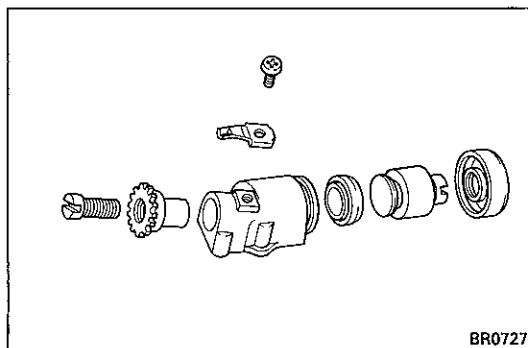
5. REMOVE AND DISASSEMBLE WHEEL CYLINDER

(a) Using SST, disconnect the brake tube.

SST 09751-36011

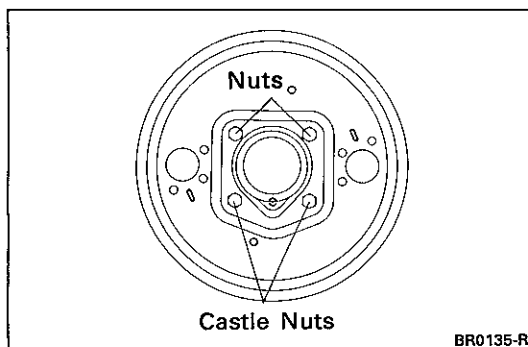
HINT: Use a container to catch the brake fluid.

(b) Remove the wheel cylinders.



(c) Disassemble the following parts from the wheel cylinder.

- Boot
- Piston
- Cup
- Adjusting lock spring
- Adjusting bolt and nut



6. IF NECESSARY, REMOVE BACKING PLATE

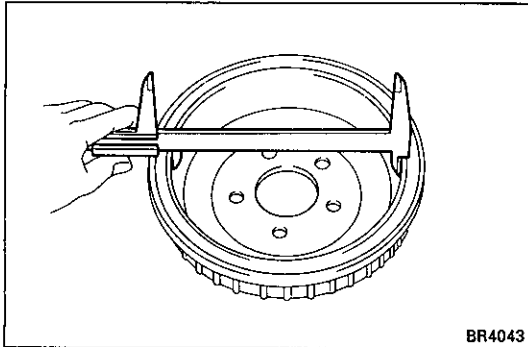
(a) Remove the front axle hub.
(See page SA-12)

(b) Remove the brake tube clamp from the backing plate and remove the backing plate.

INSPECTION AND REPAIR OF FRONT BRAKE COMPONENTS

1. INSPECT DISASSEMBLED PARTS

Inspect the disassembled parts for wear, rust or damage.



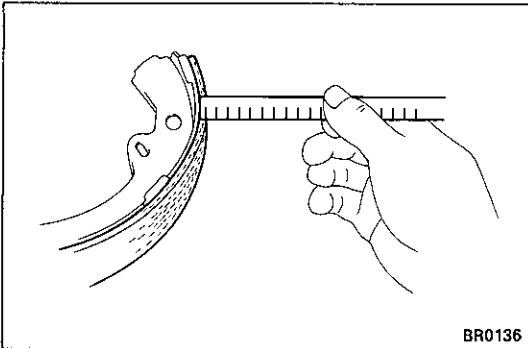
BR4043

2. INSPECT BRAKE DRUM INSIDE DIAMETER

Maximum inside diameter: 256.0 mm (10.079 in.)

Standard inside diameter: 254.0 mm (10.000 in.)

If the drum is scored or worn, the brake drum may be lathed.



BR0136

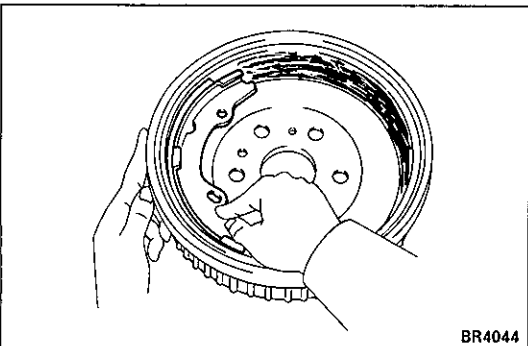
3. INSPECT BRAKE SHOE LINING THICKNESS

Minimum thickness: 1.0 mm (0.039 in.)

Standard thickness: 6.0 mm (0.236 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 front brake shoes in order to maintain even braking.



BR4044

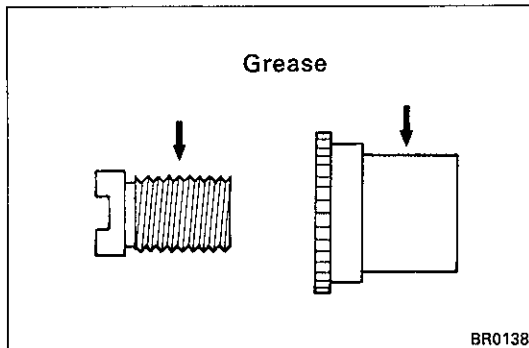
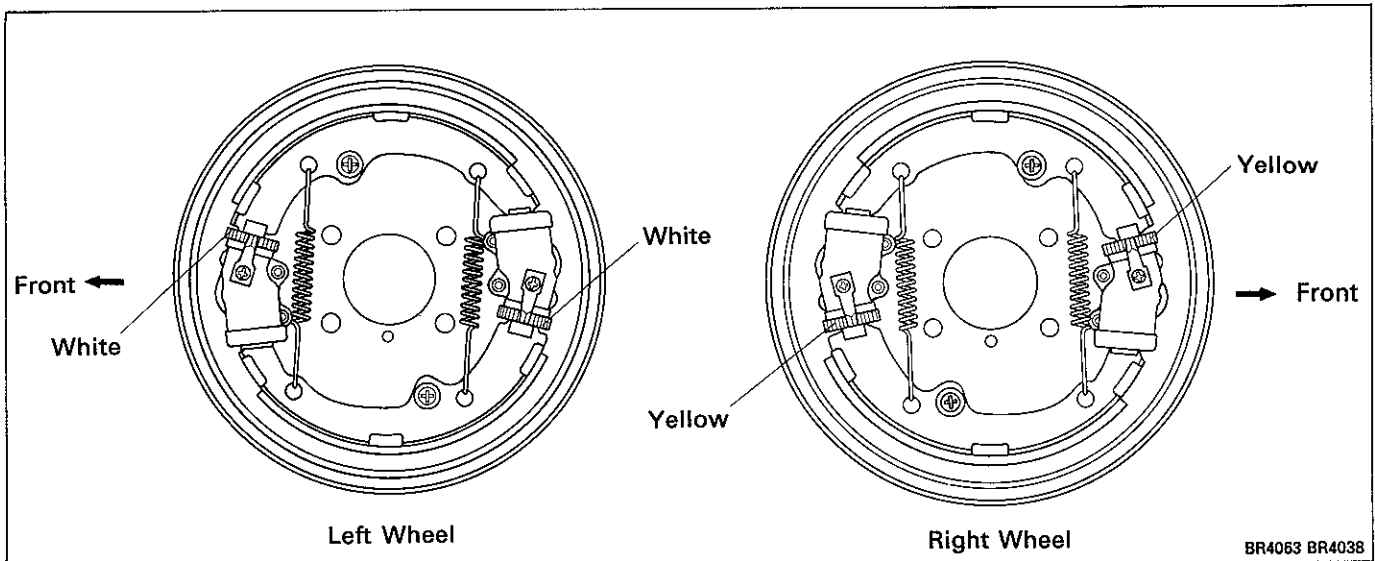
4. INSPECT BRAKE LINING AND DRUM FOR PROPER CONTACT

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

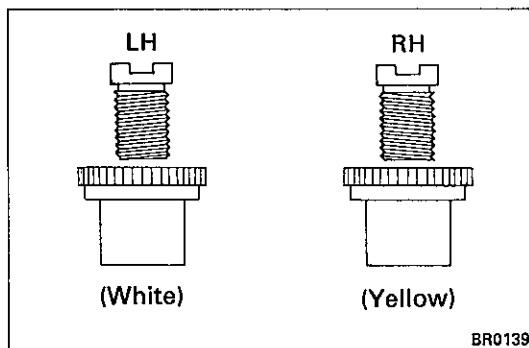
ASSEMBLY OF FRONT BRAKE

(See page BR-60)

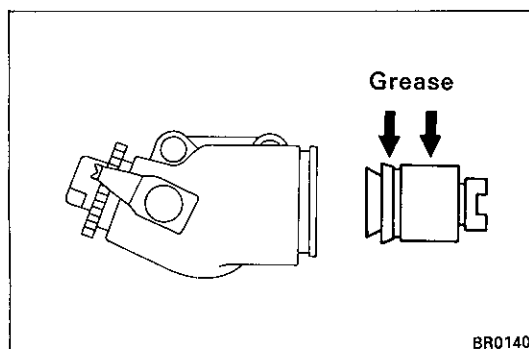
HINT: Assemble the parts in the correct direction as shown below.

**1. ASSEMBLE WHEEL CYLINDER**

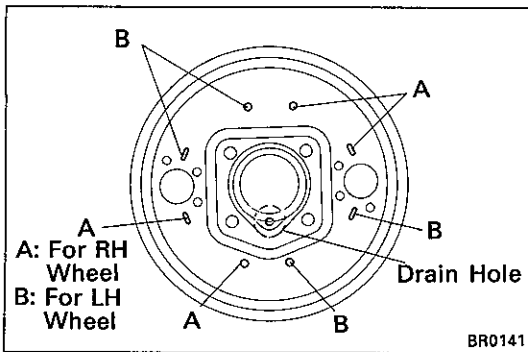
- (a) Apply high temperature grease to the adjusting bolt and nut.



- (b) Install the adjusting bolt and adjusting nut to the cylinder. There are two kind of adjusting bolts. Use each at the proper location as shown in the illustration.



- (c) Apply lithium soap base glycol grease to the cup and piston.
 (d) Install the cup to the piston.
 (e) Install the piston and boot to the cylinder.
 (f) Install the adjusting lock spring to the cylinder.
 (g) Similarly, assemble the another wheel cylinder.



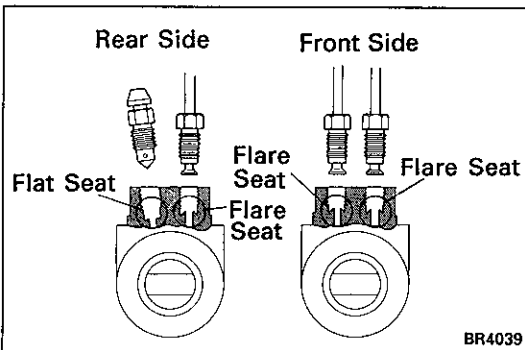
2. INSTALL BACKING PLATE TO STEERING KNUCKLE

- (a) Install the backing plate with the drain hole facing under the steering knuckle. Tighten the nuts and install the cotter pins.

Torque: 1,100 kg-cm (80 ft-lb, 108 N-m)

HINT: LH or RH can be distinguished by the location of the hole.

- (b) Install the front axle hub.
(See page SA-12)



3. INSTALL WHEEL CYLINDER TO BACKING PLATE

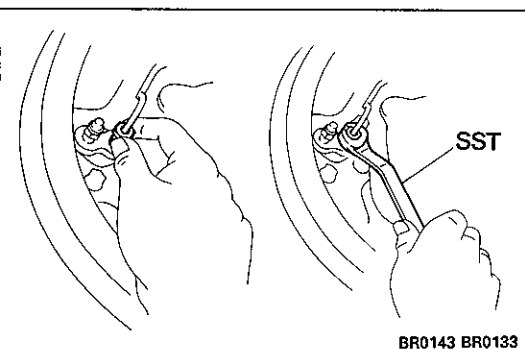
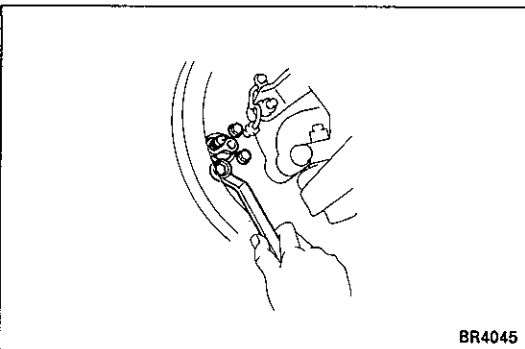
HINT:

- Rear side wheel cylinder union seats are flat and flare shaped as shown.
- Both union seats of the front side wheel cylinder are flare.

- (a) Install the front wheel cylinder with the adjuster facing upward.
(See page BR-63)
- (b) Install the rear wheel cylinder with the adjuster facing downward.
(See page BR-63)

- (c) Tighten the mounting bolts of the wheel cylinders.

Torque: 185 kg-cm (13 ft-lb, 18 N-m)



4. INSTALL BRAKE TUBE TO WHEEL CYLINDER

- (a) Install the brake tube in place and tighten the nuts by finger, then tighten them with SST.

SST 09751-36011

Torque: 155 kg-cm (11 ft-lb, 15 N-m)

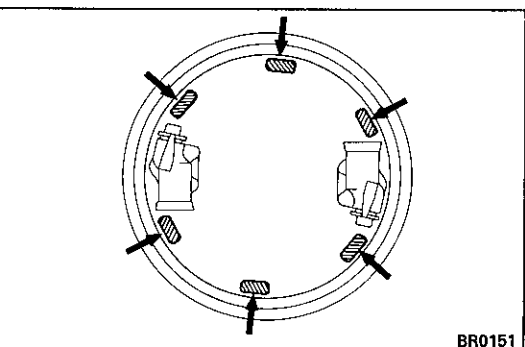
- (b) Similarly, connect the brake tube from the vehicle to the wheel cylinder.

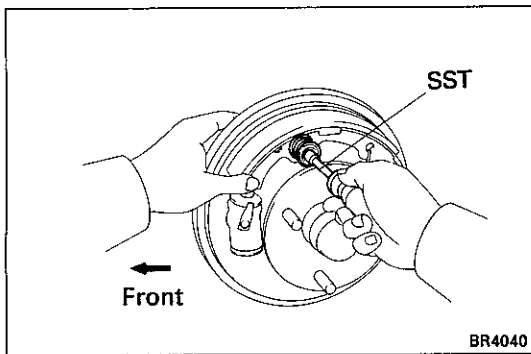
Torque: 155 kg-cm (11 ft-lb, 15 N-m)

5. INSTALL BRAKE TUBE CLAMP TO BACKING PLATE

6. INSTALL BRAKE SHOES

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

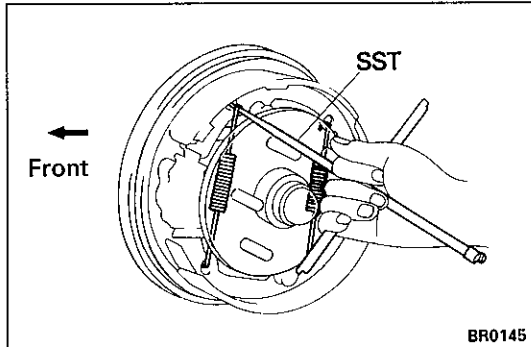




- (b) Place the upper shoe, and using SST, install the shoe hold-down spring, two cups and a pin.

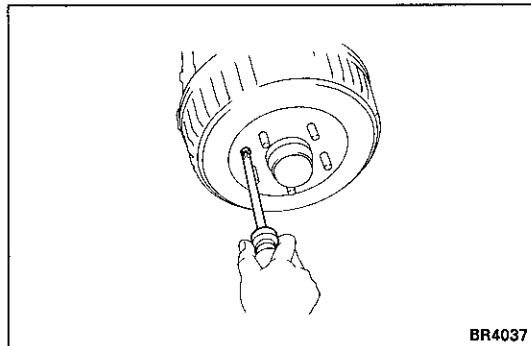
SST 09718-00010

- (c) Similarly, install the lower shoe.



- (d) Using SST, install the front and rear side return springs.

SST 09703-30010



7. INSTALL BRAKE DRUM

Install the brake drum and install the screw.

Torque: 70 kg-cm (61 in.-lb, 6.9 N·m)

8. FILL BRAKE RESERVOIR WITH BRAKE FLUID AND BLEED BRAKE SYSTEM (See page BR-7)

9. CHECK FOR FLUID LEAKAGE

10. ADJUST BRAKE SHOE CLEARANCE (See page BR-8)

11. INSTALL FRONT WHEEL