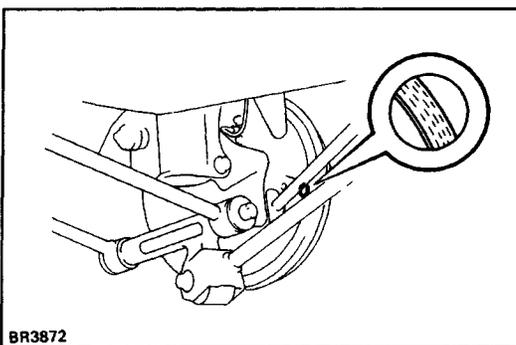
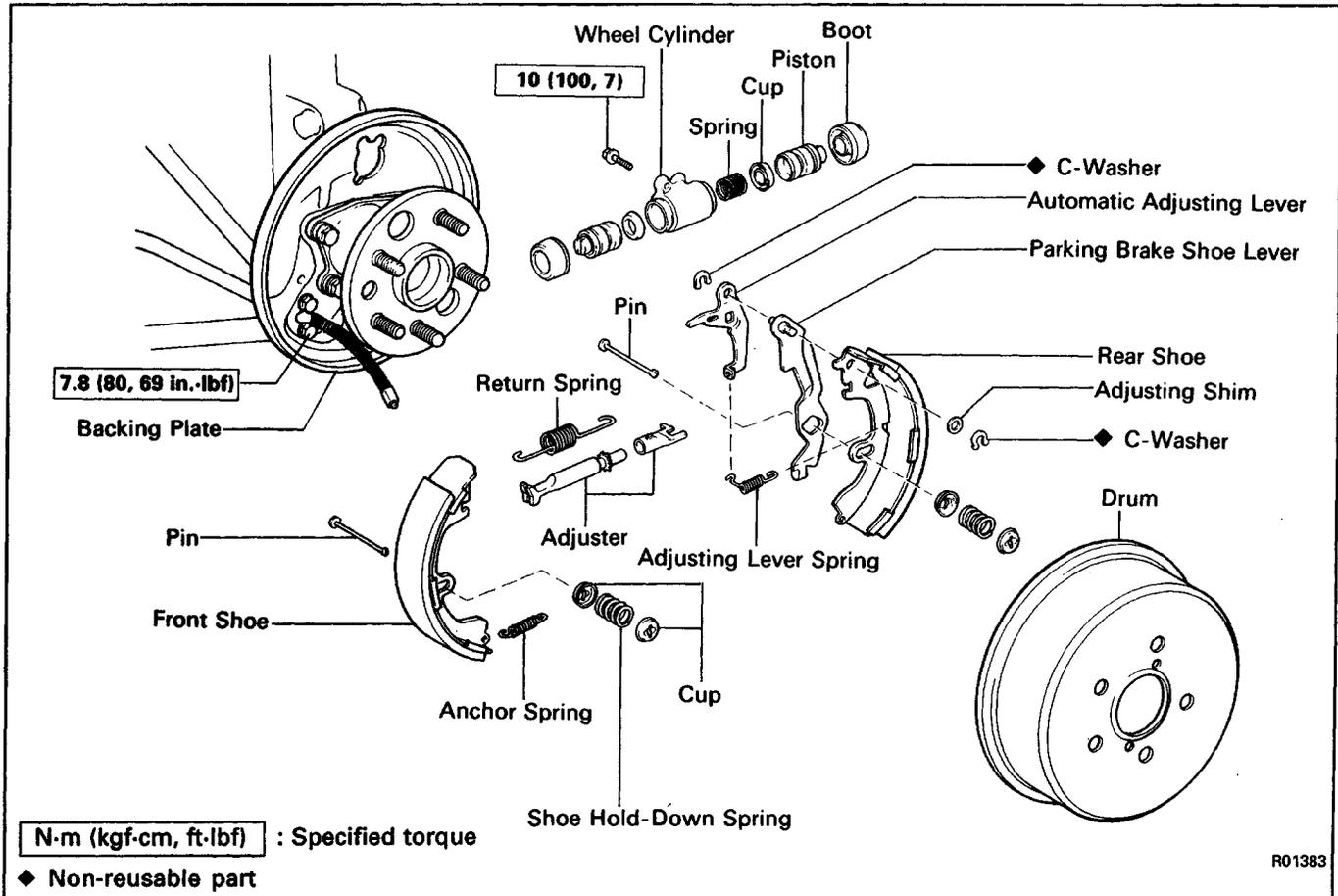


REAR BRAKE Drum Brake COMPONENTS



REMOVAL OF REAR BRAKE

1. INSPECT SHOE LINING THICKNESS

Remove the inspection hole plug, and check the shoe lining thickness through the hole.

If less than minimum, replace the shoes.

Minimum thickness: 1.0 mm (0.039 in.)

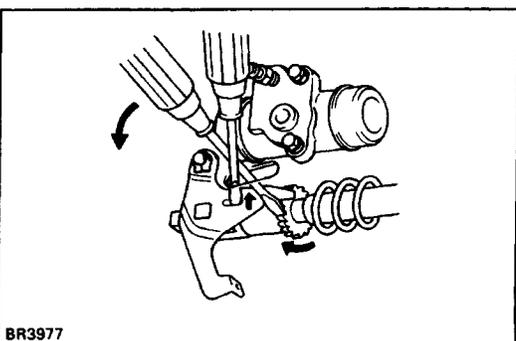
2. REMOVE REAR WHEEL

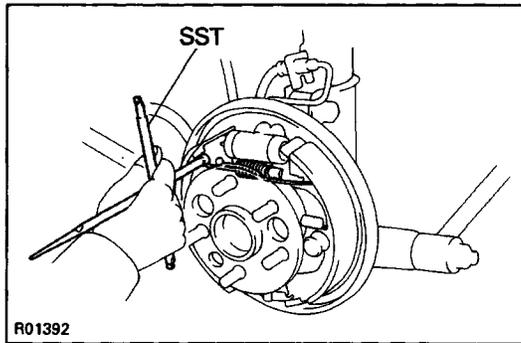
3. REMOVE BRAKE DRUM

HINT: If the brake drum cannot be removed easily, perform the following steps.

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

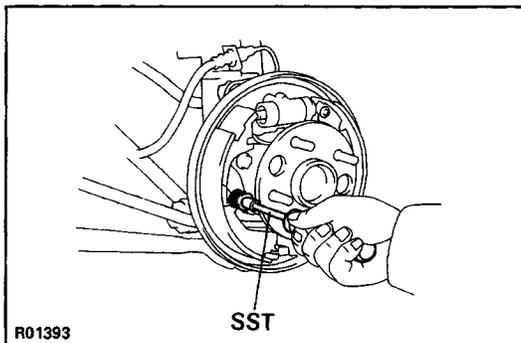
(b) Using another screwdriver, reduce the brake shoe adjuster by turning the adjusting bolt.



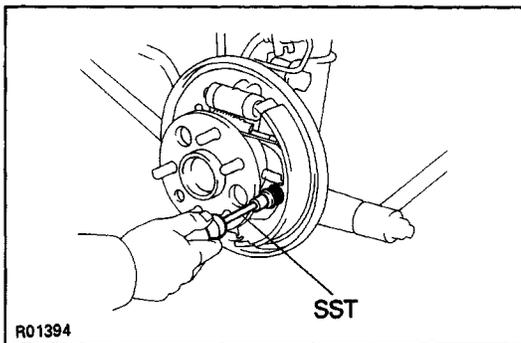


4. REMOVE FRONT SHOE

- (a) Using SST, disconnect the return spring.
SST 09703-30010

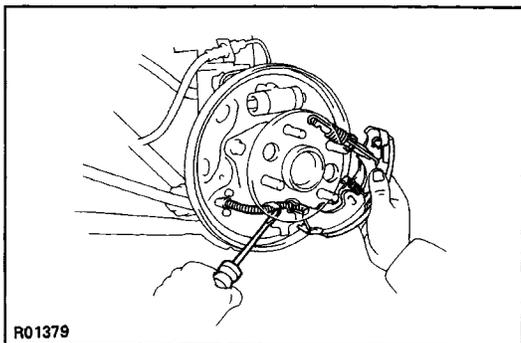


- (b) Using SST, remove the shoe hold-down spring and pin from the front shoe.
SST 09718-00010
(c) Disconnect the anchor spring from the front shoe and remove the front shoe.
(d) Remove the anchor spring from the rear shoe.

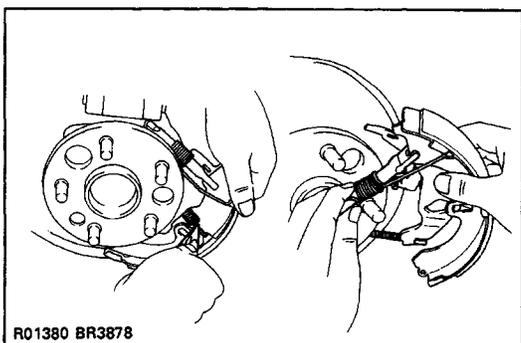


5. REMOVE REAR SHOE

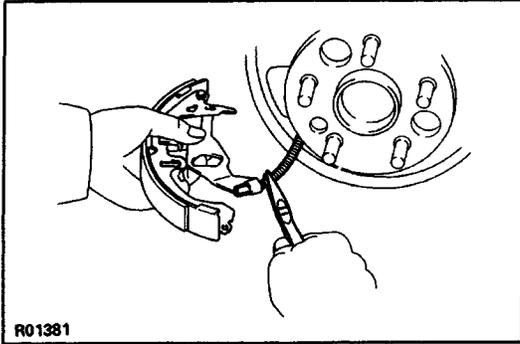
- (a) Using SST, remove the shoe hold-down spring, cups and pin.
SST 09718-00010



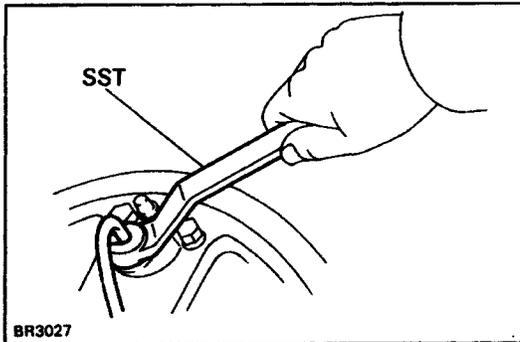
- (b) Using a screwdriver, disconnect the parking brake cable from the anchor plate.



- (c) Using pliers, remove the adjusting lever spring.
(d) Remove the adjuster together with the return spring.



(e) Using pliers, disconnect the parking brake cable from the lever and remove the rear shoe.

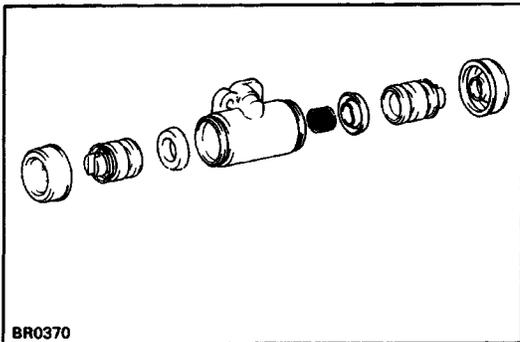


6. REMOVE WHEEL CYLINDER

(a) Using SST, disconnect the brake tube. Use a container to catch the brake fluid.

SST 09751-36011

(b) Remove the two bolts and the wheel cylinder.



7. DISASSEMBLE WHEEL CYLINDER

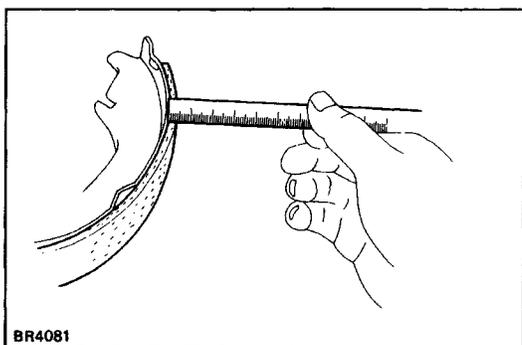
Remove the following parts from the wheel cylinder:

- Two boots
- Two pistons
- Two piston cups
- Spring

INSPECTION AND REPAIR OF REAR BRAKE COMPONENTS

1. INSPECT DISASSEMBLED PARTS

Inspect the disassembled parts for wear, rust or damage.



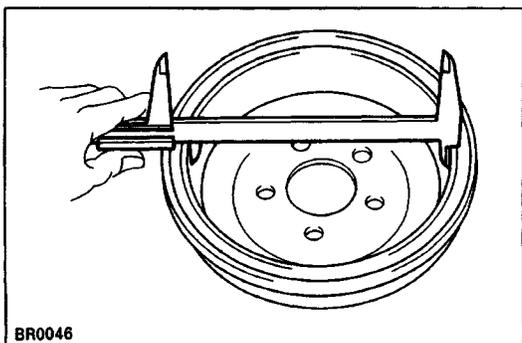
2. MEASURE BRAKE SHOE LINING THICKNESS

Standard thickness: 4.0 mm (0.157 in.)

Minimum thickness: 1.0 mm (0.039 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.

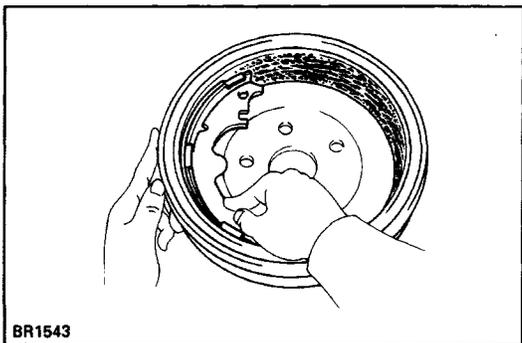


3. MEASURE BRAKE DRUM INSIDE DIAMETER

Standard inside diameter: 200.0 mm (7.874 in.)

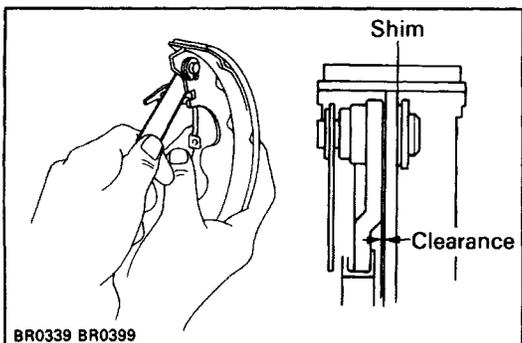
Maximum inside diameter: 201.0 mm (7.913 in.)

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.



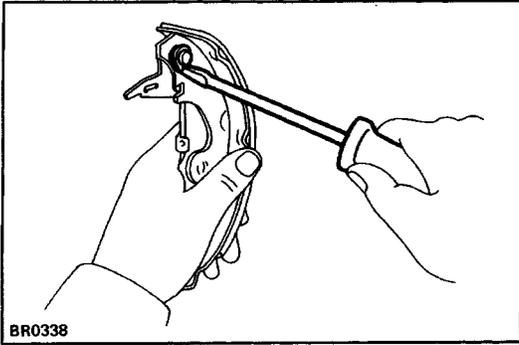
5. MEASURE CLEARANCE BETWEEN BRAKE SHOE AND LEVER

Using a feeler gauge, measure the clearance.

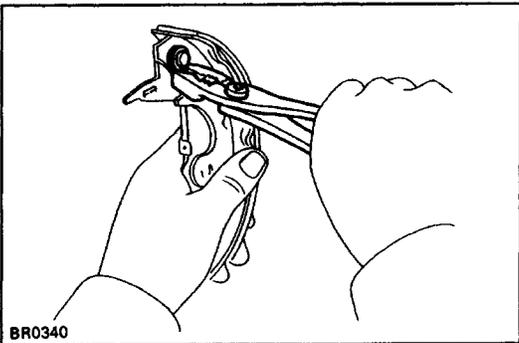
Standard clearance: less than 0.35 mm (0.0138 in.)

If the clearance is not within specification, replace the shim with one of the correct size.

Thickness		mm (in.)
0.2 (0.00s)	0.5	(0.020)
0.3 (0.012)	0.6	(0.024)
0.4 (0.016)	0.9	(0.035)

**6. IF NECESSARY, REPLACE SHIM**

(a) Remove the parking brake lever, and install the correct size shim.



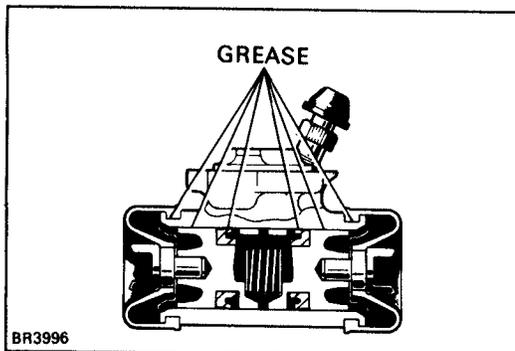
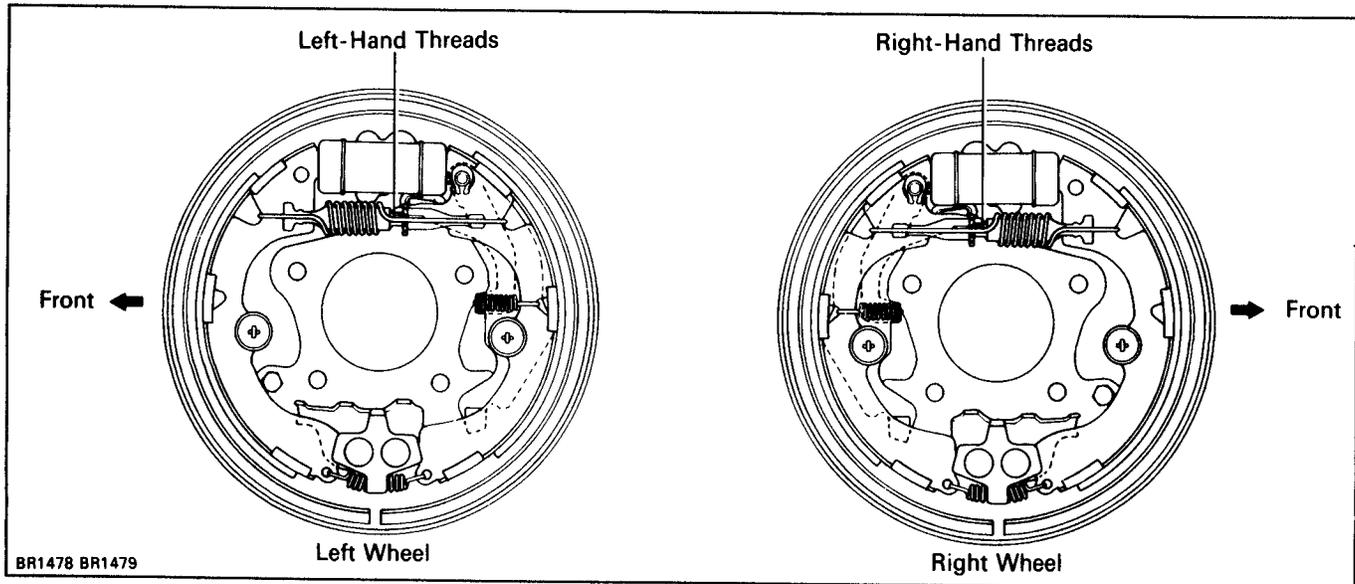
(b) Install the parking brake lever with a new C-washer.

(c) Measure the clearance.

INSTALLATION OF REAR BRAKE

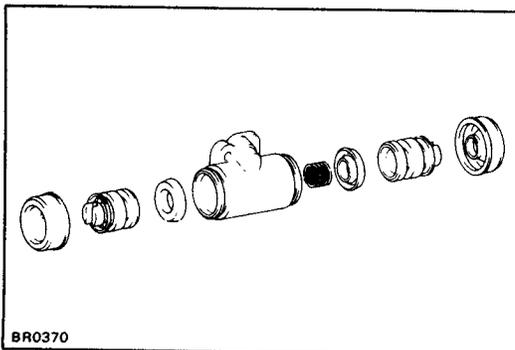
(See page BR-27)

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



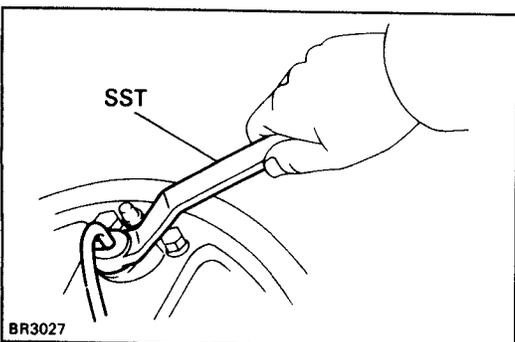
1. APPLY LITHIUM SOAP BASE GLYCOL GREASE TO FOLLOWING PARTS:

- (a) Two piston cups
- (b) Two pistons
- (c) Two boots



2. ASSEMBLE WHEEL CYLINDER

- (a) Install two piston cups to the pistons.
- (b) Install the spring and two pistons into the wheel cylinder. Check that the flanges of the piston are pointed inward.
- (c) Install two boots.



3. INSTALL WHEEL CYLINDER

Install the wheel cylinder on the backing plate with two bolts.

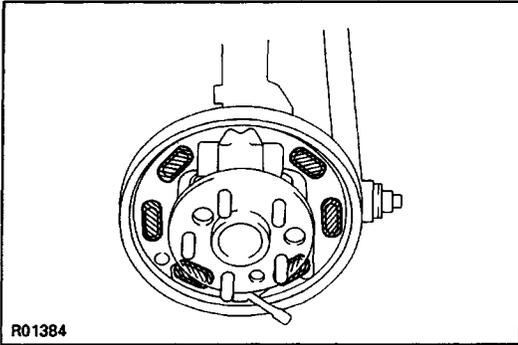
Torque: 10 N·m (100 kgf·cm, 7 ft·lbf)

4. CONNECT BRAKE TUBE TO WHEEL CYLINDER

Using SST, connect the brake tube.

SST 09751-36011

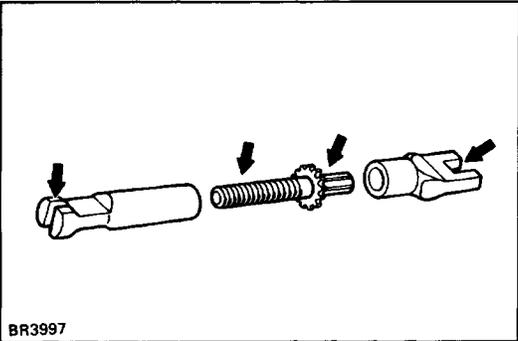
Torque: 15 N·m (155 kgf·cm, 11 ft·lbf)



R01384

5. APPLY HIGH TEMPERATURE GREASE TO FOLLOWING PARTS:

- (a) Backing plate and brake shoe contact points
- (b) Anchor plate and brake shoe contact points

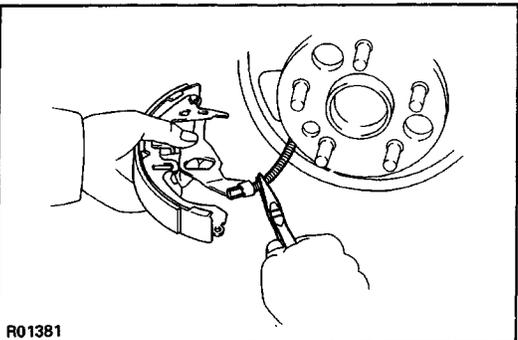


BR3997

- (c) Adjusting bolt
- (d) Adjuster and brake shoe contact points

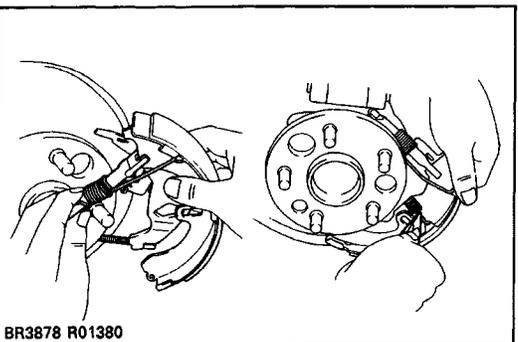
6. INSTALL ADJUSTER AND REAR SHOE

- (a) Using pliers, connect the parking brake cable to the lever.



R01381

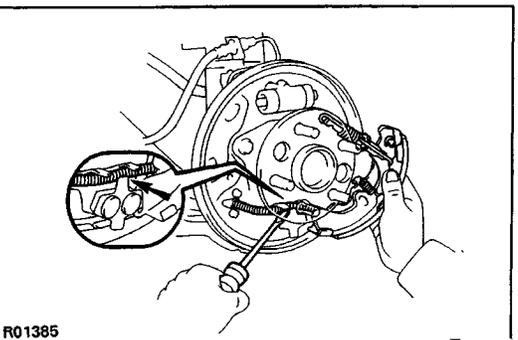
- (b) Set the adjuster and return spring.
- (c) Install the adjusting lever spring.



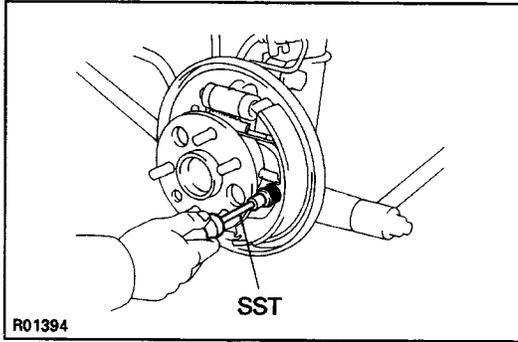
BR3878 R01380

- (d) Pass the parking brake cable through the notch in the anchor plate.
- (e) Set the rear shoe in place with the end of the shoe inserted in the wheel cylinder and the other end in the anchor plate.

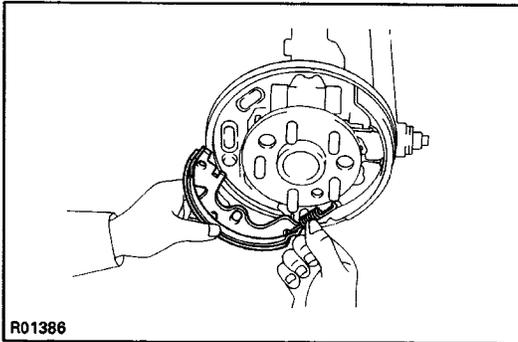
CAUTION: Do not allow oil or grease to get on the rubbing face.



R01385



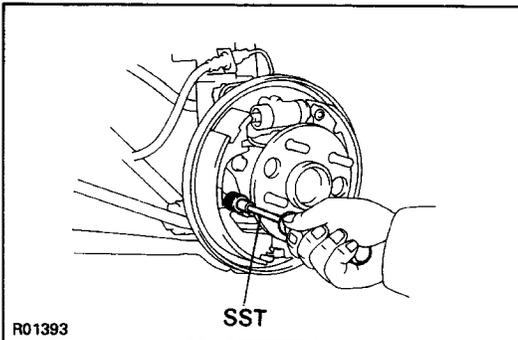
- (f) Using SST, install the shoe hold-down spring and pin.
SST 09718-00010



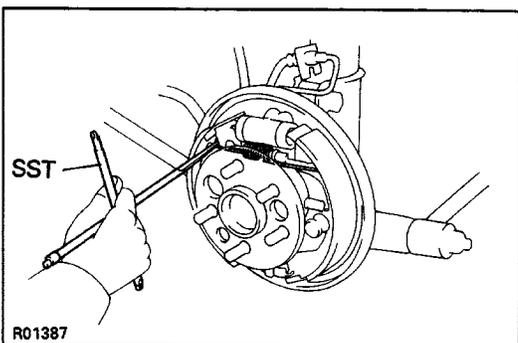
7. INSTALL FRONT SHOE

- (a) Install the anchor spring between the front and rear shoes.
(b) Set the front shoe in place with the end of the shoe inserted in the wheel cylinder and the adjuster in place.

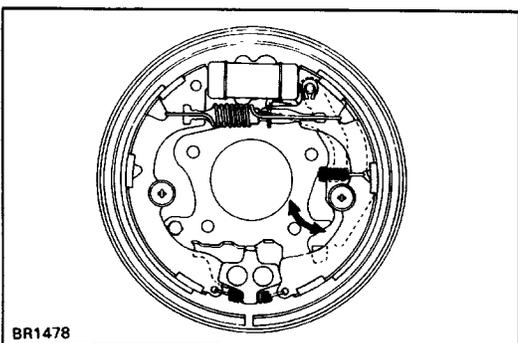
CAUTION: Do not allow oil or grease to get on the rubbing face.



- (c) Using SST, install the shoe hold-down spring and pin.
SST 09718-00010

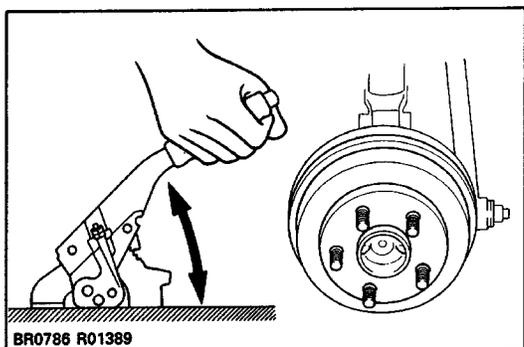


- (d) Using SST, connect the return spring.
SST 09703-30010

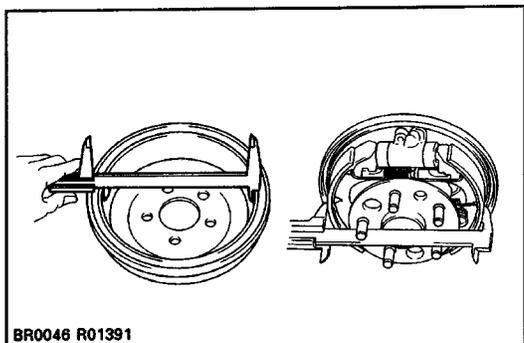


8. CHECK OPERATION OF AUTOMATIC ADJUSTING MECHANISM

- (a) Move the parking brake lever of the rear shoe back and forth, as shown. Check that the adjuster turns. If the adjuster does not turn, check for incorrect installation of the rear brake.



- (b) Adjust the adjuster length to the shortest possible amount.
- (c) Install the brake drum.
- (d) Pull the parking brake lever all the way up until a clicking sound can no longer be heard.



9. CHECK CLEARANCE BETWEEN BRAKE SHOES AND DRUM

- (a) Remove the brake drum.
- (b) Measure the brake drum inside diameter and diameter of the brake shoes. Check that the difference between the diameters is the correct shoe clearance.

Shoe clearance: 0.6 mm (0.024 in.)

If incorrect, check the parking brake system.

10. INSTALL BRAKE DRUM

11. INSTALL REAR WHEEL

12. FILL BRAKE RESERVOIR WITH BRAKE FLUID AND BLEED BRAKE SYSTEM (See page [BR-7](#))

13. CHECK FOR FLUID LEAKAGE