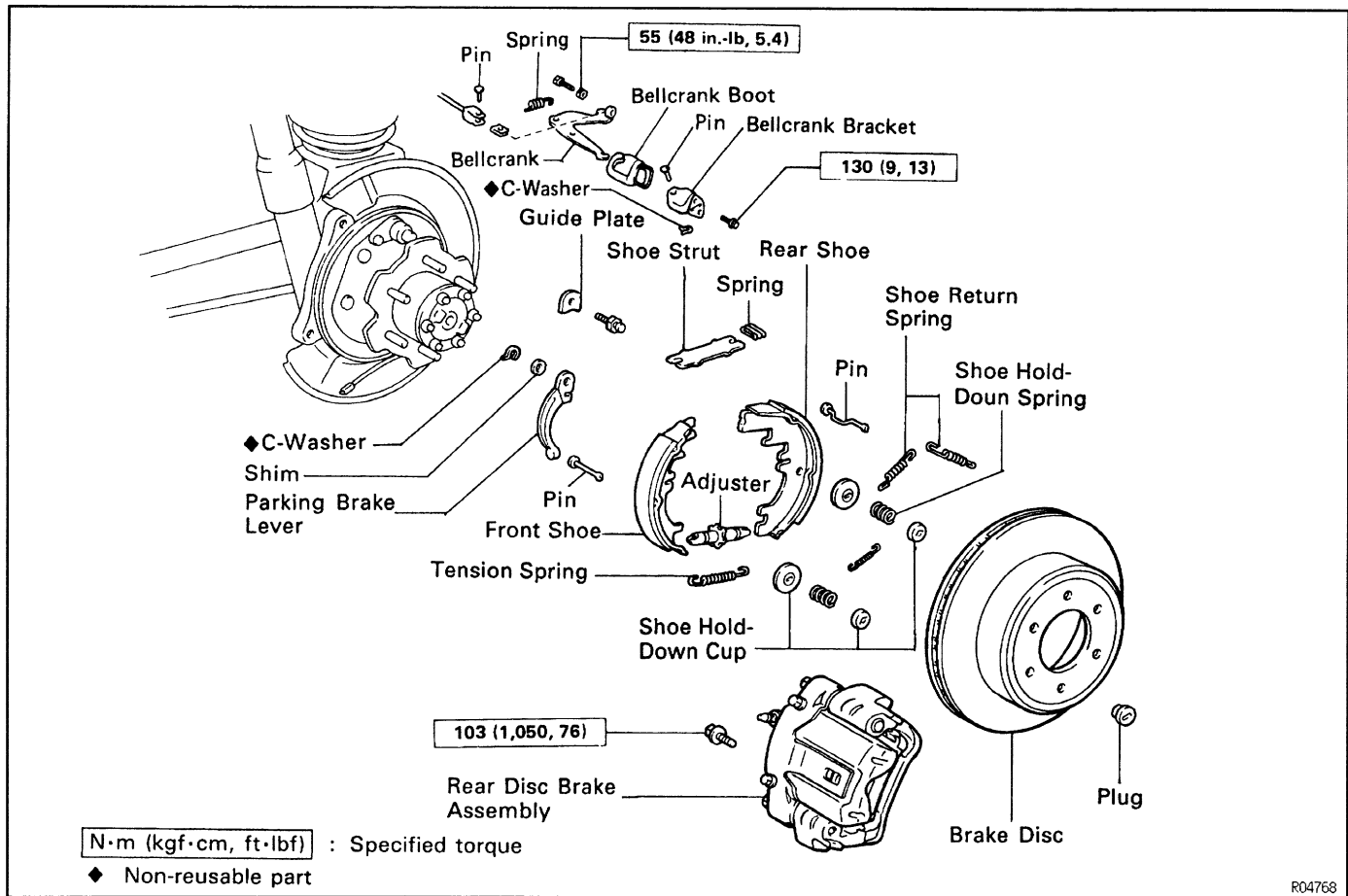
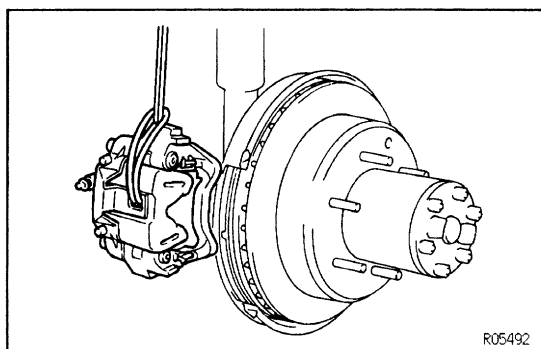


REAR BRAKE (Parking Brake for Rear Disc Brake) COMPONENTS



R04768



R05492

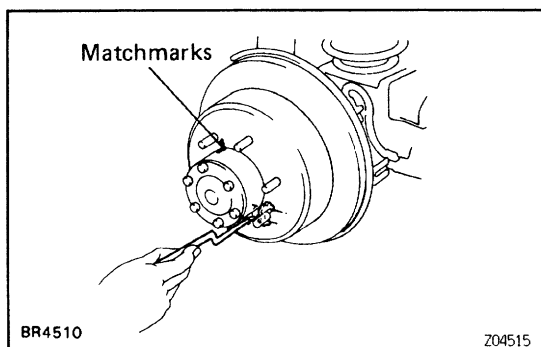
PARKING BRAKE DISASSEMBLY

BR004-01

1. REMOVE REAR WHEEL

2. REMOVE REAR DISC BRAKE ASSEMBLY

- Remove the two mounting bolts and remove the disc brake assembly.
- Suspend the disc brake so the hose is not stretched.



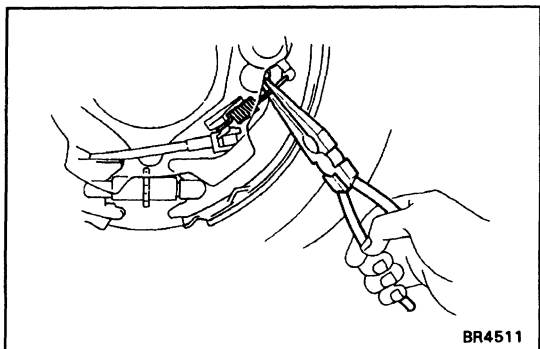
BR4510

Z04515

3. REMOVE DISC

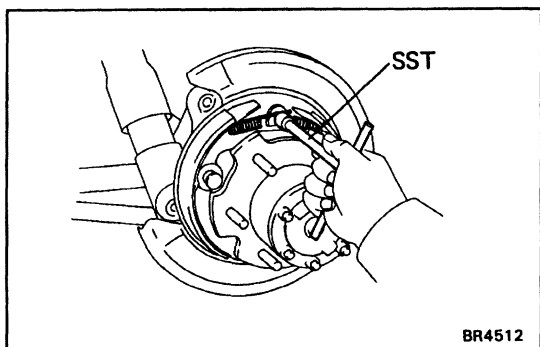
Place the matchmarks on the disc and rear shaft, and remove the disc.

HINT: If the disc cannot be removed easily, turn the shoe adjuster until the wheel turns freely.



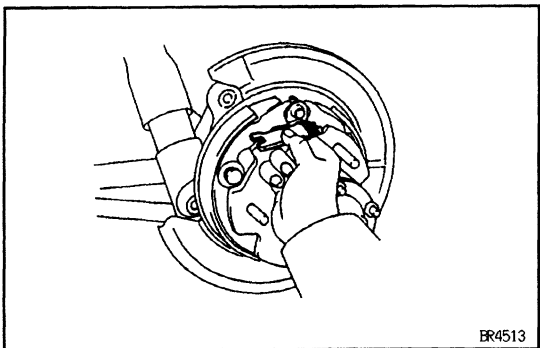
4. REMOVE TENSION SPRING

Using pliers, remove the tension spring.

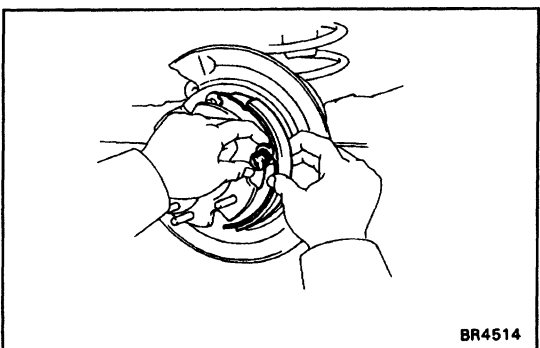


5. REMOVE SHOE RETURN SPRINGS

Using SST, remove the shoe return springs.
SST 09717-20010

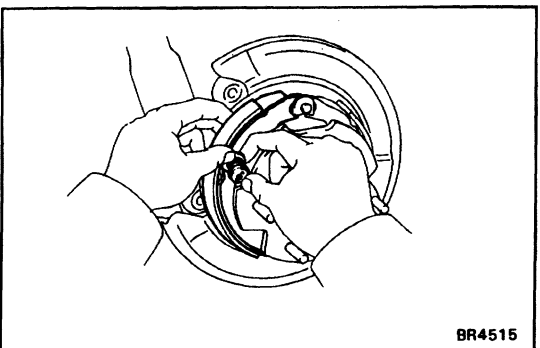


6. REMOVE SHOE STRUT WITH SPRING



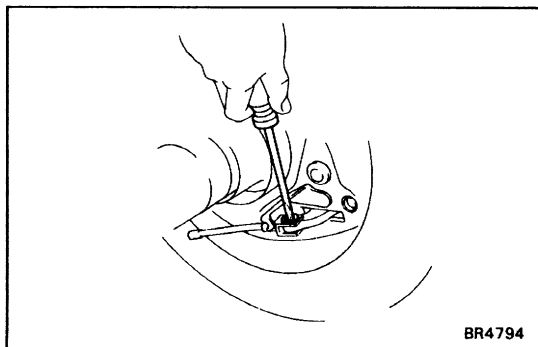
7. REMOVE REAR SHOE, ADJUSTER AND TENSION SPRING

- (a) Remove the shoe hold-down spring, cups, spring and pin.
- (b) Slide out the rear shoe, and remove the rear shoe and adjuster.
- (c) Remove the lower side tension spring.



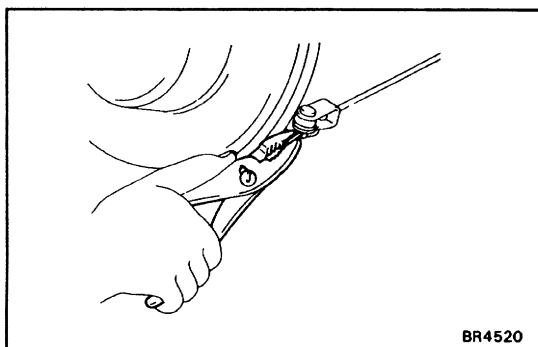
8. REMOVE FRONT SHOE

- (a) Remove the shoe hold-down spring cups, springs and pin.
- (b) Slide out the front shoe.
- (c) Disconnect the parking brake cable from the parking brake shoe lever.

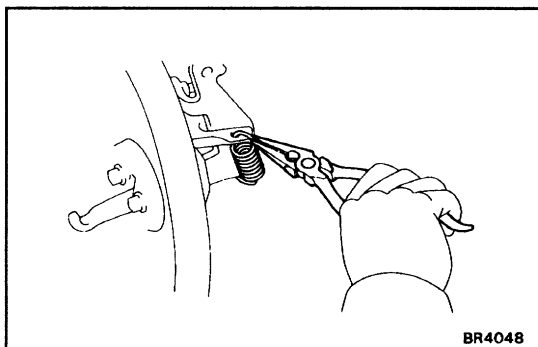


9. IF NECESSARY, REMOVE AND DISASSEMBLE PARKING BRAKE BELLCRANK ASSEMBLY

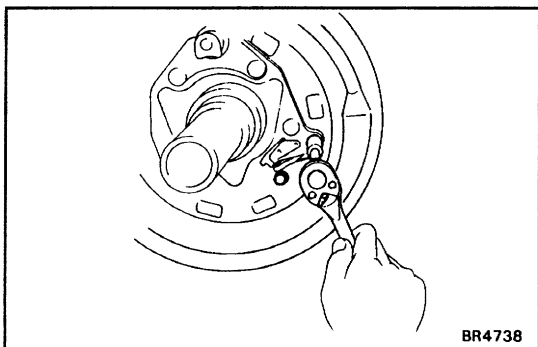
- (a) Using a screwdriver, remove the C-washer.
- (b) Remove the pin and disconnect the parking brake cable No.2 from the bellcrank.



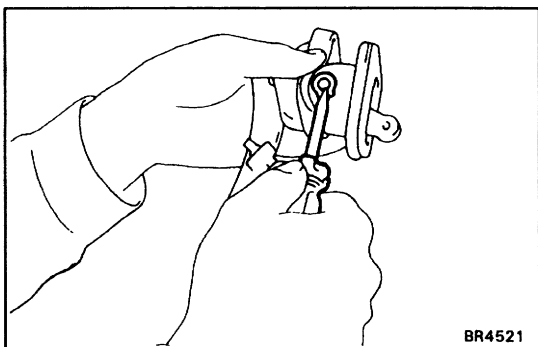
- (c) Remove the clip.
- (d) Remove the pin and wave clip, then disconnect the parking brake cable.



- (e) Remove the two tension spring.



- (f) Remove the two bolts and parking brake bellcrank assembly.
- (g) Remove the boot from parking brake bellcrank bracket.

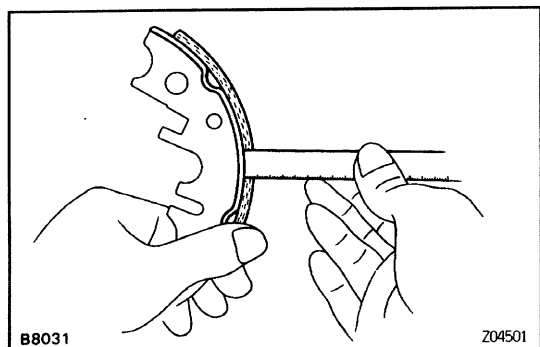


- (h) Using a screwdriver, remove the C-washer and pin.
- (i) Remove the parking brake bellcrank from the bell crank bracket.

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.

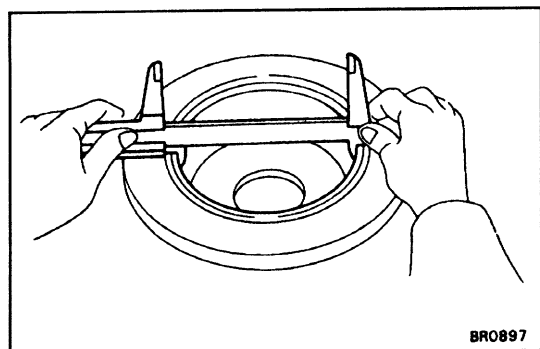
Standard thickness:

4.0 mm (0.157 in.)

Minimum thickness:

1.0 mm (0.039 in.)

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



3. MEASURE BRAKE DISC INSIDE DIAMETER

Using a vernier caliper, measure the inside diameter of the disc.

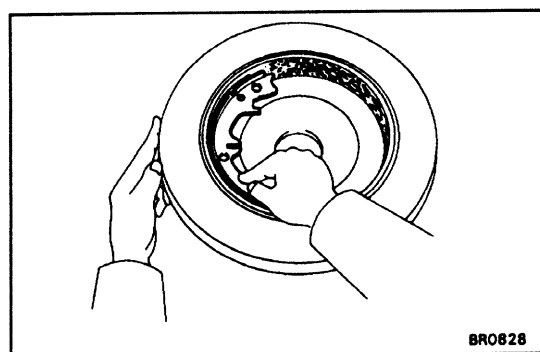
Standard inside diameter:

230 mm (9.06 in.)

Maximum inside diameter:

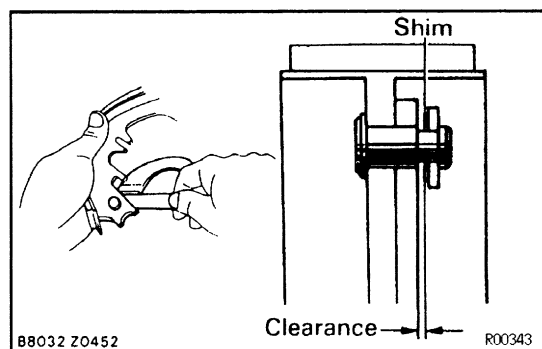
231 mm (9.09 in.)

Replace the disc if the inside diameter is at the maximum value or more. Replace the disc or grind it with a lathe if the disc is scored or is worn unevenly.



4. INSPECT PARKING BRAKE LINING AND DISC FOR PROPER CONTACT

Apply chalk to the inside surface of the disc, then grind down the brake shoe lining to fit. If the contact between the disc and the brake shoe lining is improper, repair it using a brake shoe grinder or replace the brake shoe assembly.



5. MEASURE CLEARANCE BETWEEN PARKING BRAKE SHOE AND LEVER

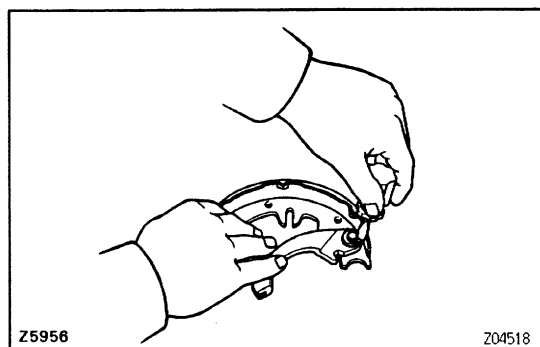
Using a feeler gauge, measure the clearance.

Standard clearance:

Less than 0.35 mm (0.0138 in.)

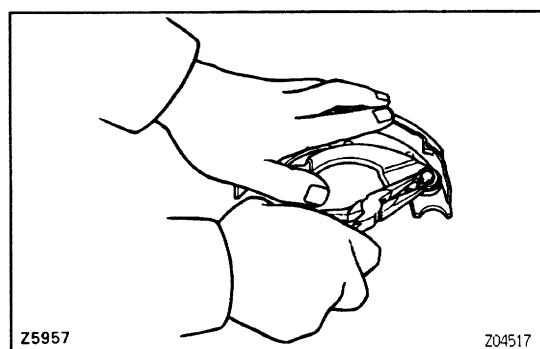
If the clearance is not within the specification, replace the shim with one of the correct size.

Shim Thickness	Shim Thickness
0.3 mm (0.012 in.)	0.9 mm (0.035 in.)
0.6 mm (0.024 in.)	



6. IF NECESSARY, REPLACE SHIM

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

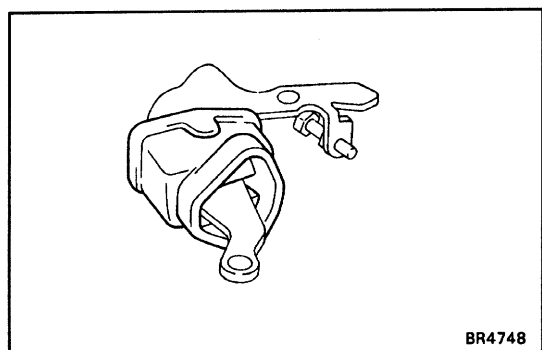
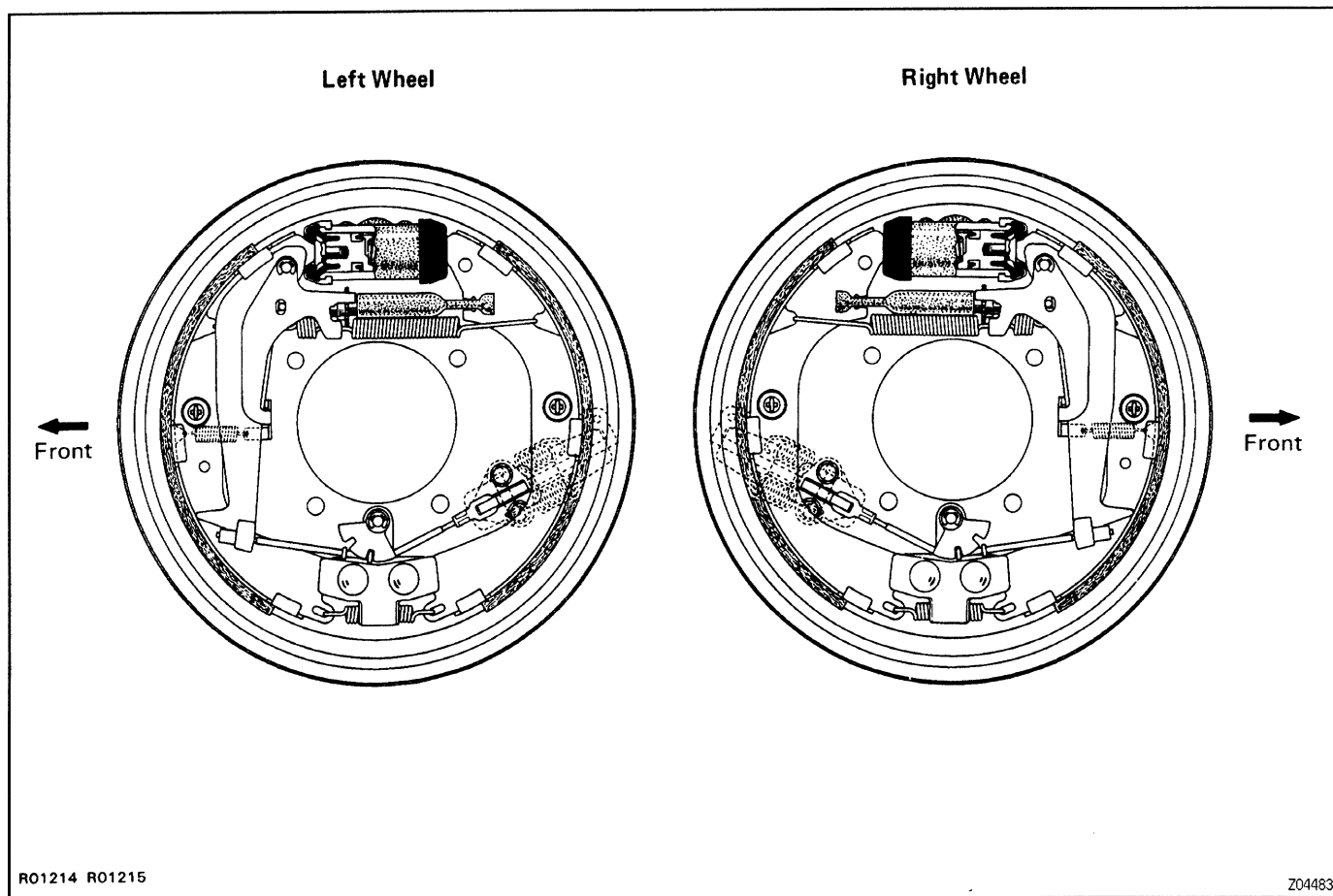


(b) Install the parking brake lever with a new C-washer.

(c) Remeasure the clearance.

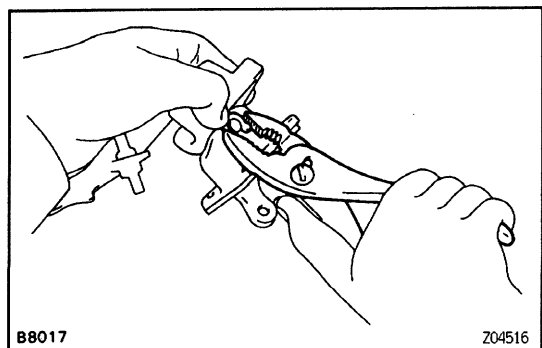
PARKING BRAKE ASSEMBLY

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

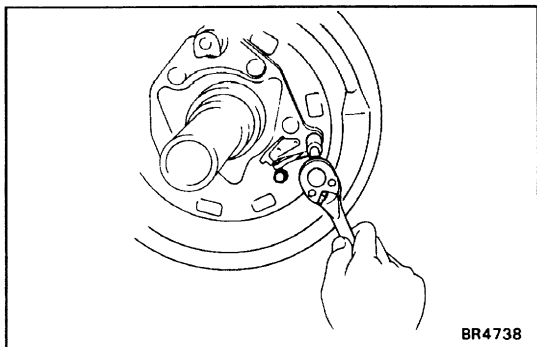


1. IF NECESSARY, ASSEMBLE AND INSTALL PARKING BRAKE BELLCRANK ASSEMBLY

- (a) Apply lithium soap glycol grease to the boot.
- (b) Install the boot to the parking brake bellcrank.



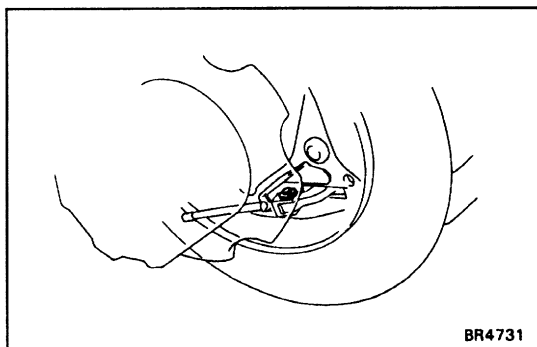
- (c) Install the parking brake bellcrank to the bellcrank bracket.
- (d) Install the pin with a new C-washer.



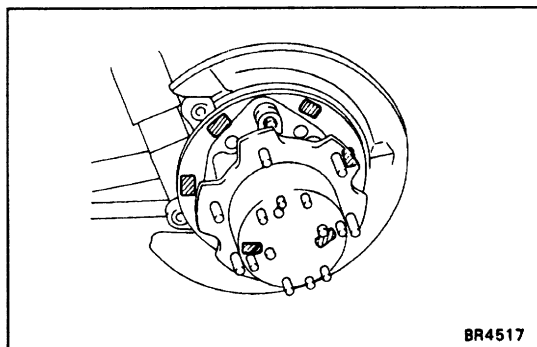
(e) Install the parking brake bellcrank assembly on the backing plate with the two bolts.

(f) Torque the bolts.

Torque: 13 N-m (130 kgf-cm, 9 ft-lbf)

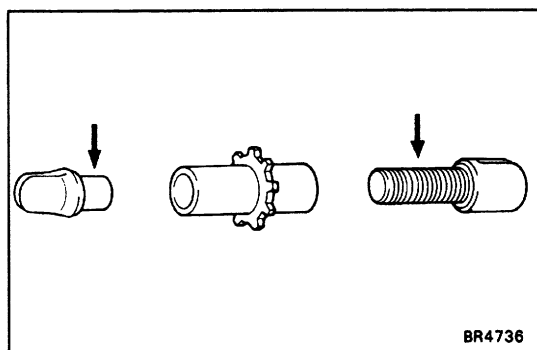


(g) Using pliers, connect parking brake cable No.2 to the bellcrank with the pin and a new C-washer.

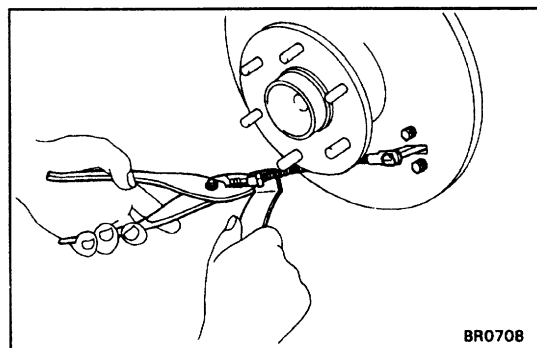


2. APPLY HIGH TEMPERATURE GREASE ON BACK- ING PLATE AS SHOWN

Apply high temperature grease to the sliding surfaces of the shoe.

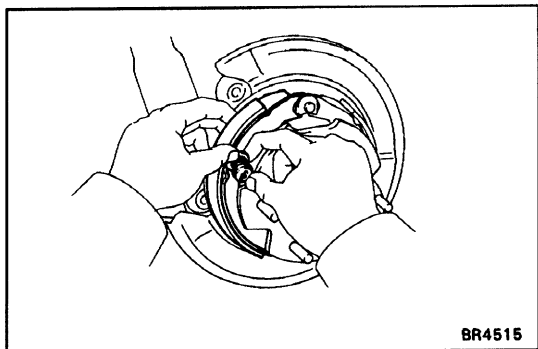


3. APPLY HIGH TEMPERATURE GREASE TO AD- JUSTER AS SHOWN



4. CONNECT PARKING BRAKE CABLE TO FRONT SHOE

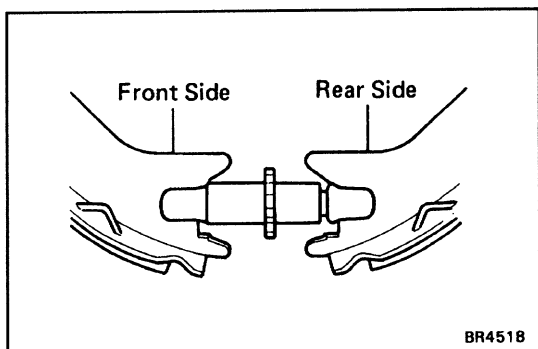
Using needle-nose pliers, connect the parking brake cable to the parking brake lever.



5. INSTALL FRONT SHOE

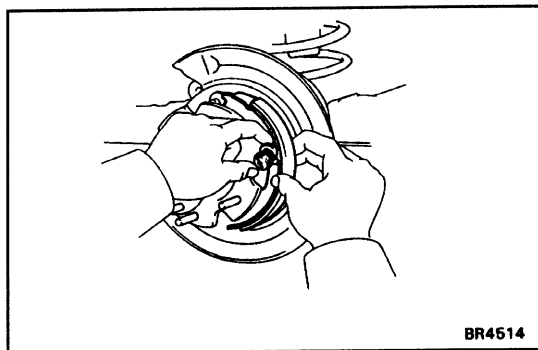
- (a) Install the pin to the backing plate.
- (b) Slide in the front shoe.
- (c) Install the shoe hold-down spring and cups.

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



6. INSTALL TENSION SPRING, REAR SHOE AND ADJUSTER

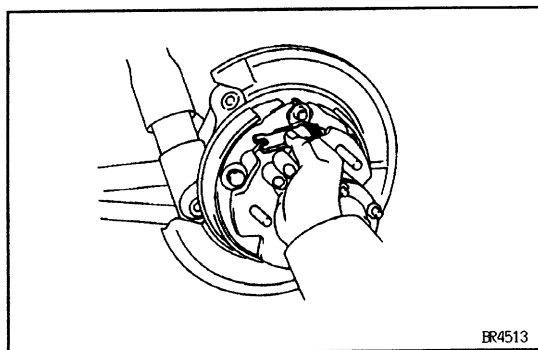
- (a) Install the lower side tension spring to the front shoe.
- (b) Install the rear shoe to the tension spring.
- (c) Install the adjuster between the front and rear shoes.



- (d) Slide in the front shoe between the shoe hold-down spring cup and the backing plate.

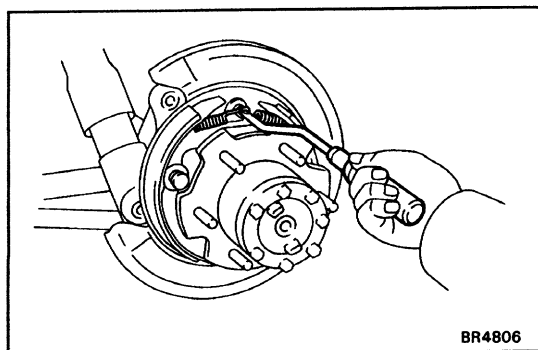
NOTICE: Do not allow oil or grease on the rubbing face.

- (e) Using pliers, install the tension spring.



7. INSTALL STRUT WITH SPRING

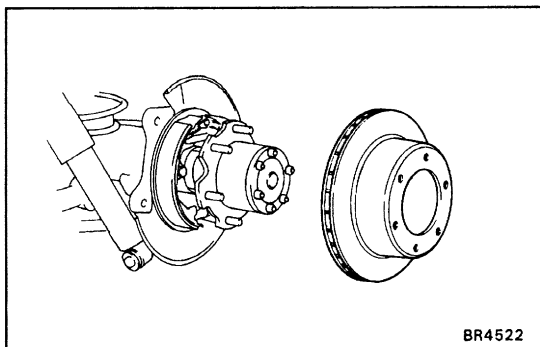
Install the strut with the spring facing rearward.



8. INSTALL SHOE RETURN SPRINGS

Using SST, install the front shoe return springs and then install the rear return spring.

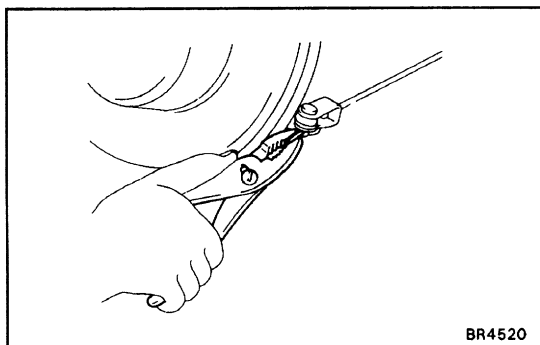
SST 09718-20010



9. INSTALL DISC

Align the matchmarks on the rear axle shaft and disc, and install the disc.

HINT: If there are no matchmarks, align the groove on the rear axle shaft flange with the service hole on the disc.

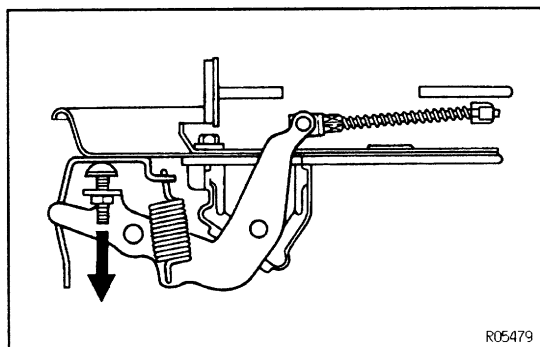


10. CONNECT PARKING BRAKE CABLE

Connect the parking brake cable to the bellcrank assembly with the pin, wave clip and clip.

11. ADJUST PARKING BRAKE SHOE CLEARANCE

- Temporarily install the hub nuts.
- Remove the hole plug.
- Turn the adjuster and expand the shoes until the disc locks.
- Return the adjuster eight notches.
- Install the hole plug.

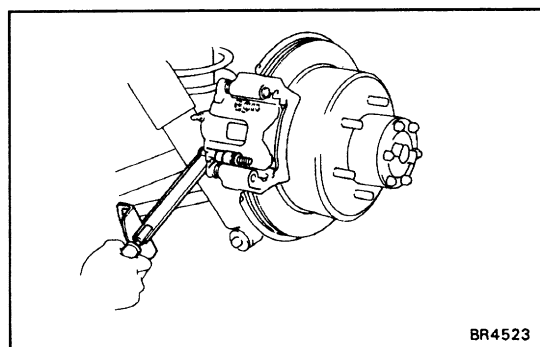


12. IF NECESSARY ADJUST BELLCRANK

- Pull the bellcrank until all play in the interior linkage is taken up.
- Screw in the bellcrank adjusting bolt to where it contacts on the dust seal.
- Loosen it one turn, and lock it at that position with the lock nut.

Torque: 5.4 N-m (55 kgf-cm, 48 in.-lbf)

- Install the bellcrank spring.



13. INSTALL REAR DISC BRAKE ASSEMBLY

Install the disc brake assembly and torque the two mounting bolts.

Torque: 103 N-m (1,050 kgf-cm, 76 ft-lbf)

14. INSTALL REAR WHEEL

15. BEDDING DOWN PARKING BRAKE SHOES AND DISC

- Drive the vehicle at about 50 km/h (31 mph) on a safe, level and dry road.
- With the parking brake release button pushed in, pull on the lever with 88 N (9 kgf, 19.8 lbf) of force.
- Drive the vehicle for about 400 meters (0.25 mile) in this condition.
- Repeat this procedure two or three times.

16. RECHECK AND ADJUST PARKING BRAKE LEVER TRAVEL