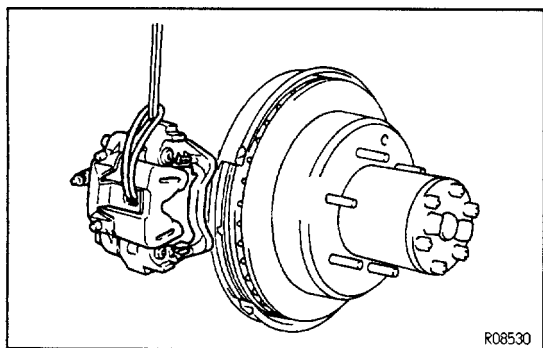
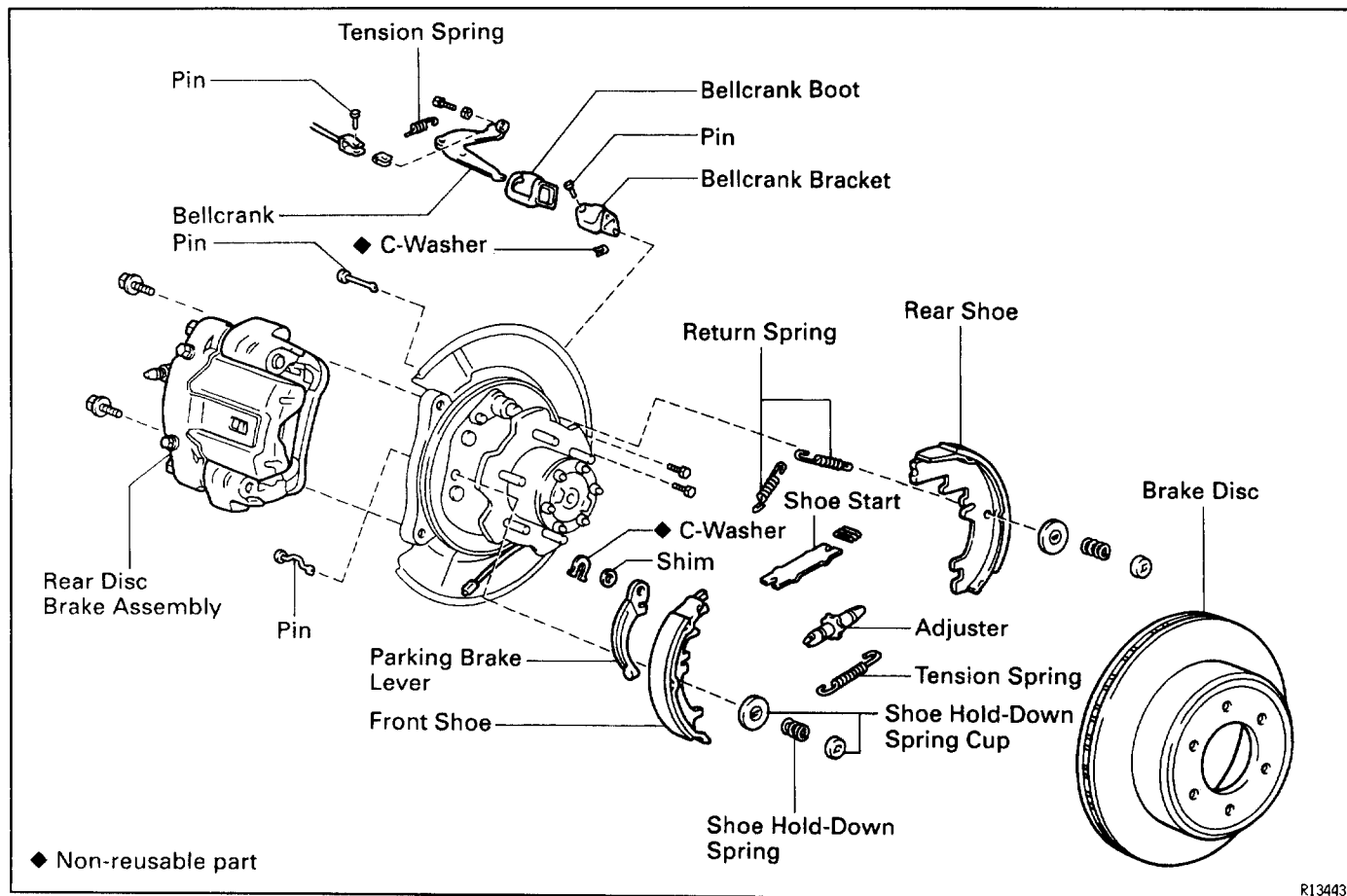
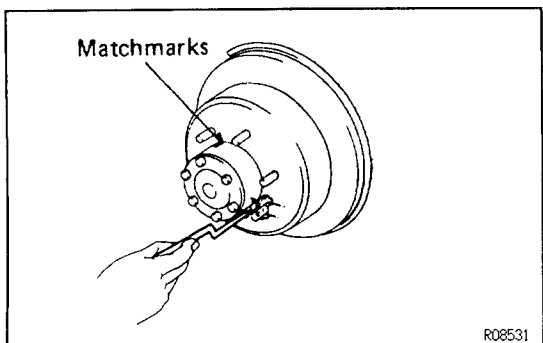


REAR BRAKE (Parking Brake) COMPONENTS

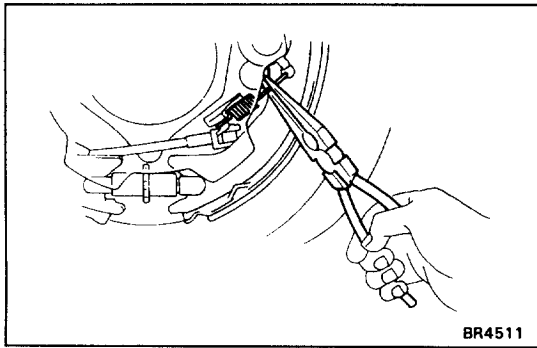


PARKING BRAKE DISASSEMBLY

1. **REMOVE REAR WHEEL**
2. **REMOVE REAR DISC BRAKE ASSEMBLY**
 - (a) Remove the 2 mounting bolts and remove the disc brake assembly.
 - (b) Suspend the disc brake securely. Ensure that the hose is not stretched.

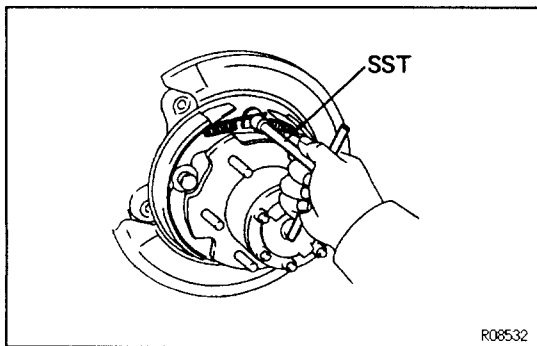


3. **REMOVE DISC**
Place the matchmarks on the disc and rear hub, and remove the disc.
HINT: If the disc cannot be removed easily, turn the shoe adjuster until the wheel turns freely.



4. REMOVE TENSION SPRING

Using pliers, remove the tension spring.

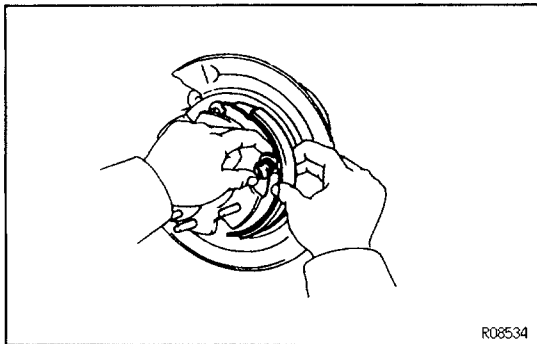


5. REMOVE SHOE RETURN SPRINGS

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) Slide out the rear shoe, and remove the rear shoe and adjuster.

(b) Remove the lower side tension spring.

(c) Remove the shoe hold-down spring cups, spring and pin.

8. REMOVE FRONT SHOE

(a) Slide out the front shoe.

(b) Disconnect the parking brake cable from the parking brake shoe lever.

(c) Remove the shoe hold-down spring cups, springs and pin.

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.

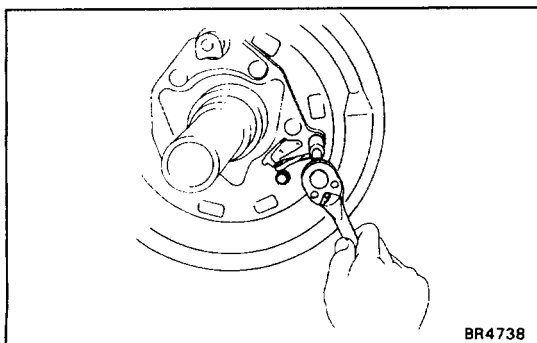
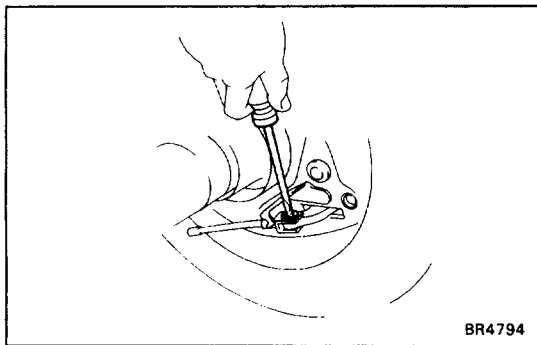
(c) Remove the clip.

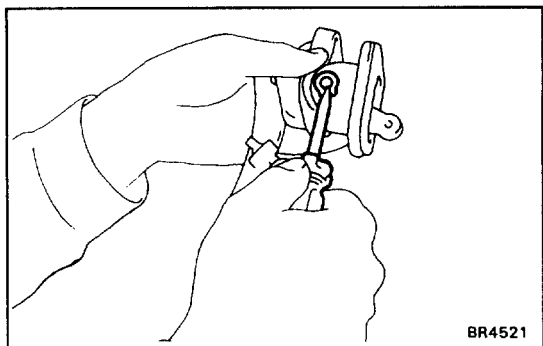
(d) Remove the pin and wave clip, then disconnect the parking brake cable.

(e) Remove the 2 tension springs.

(f) Remove the 2 bolts and parking brake bellcrank assembly.

(g) Remove the boot from parking brake bellcrank bracket.



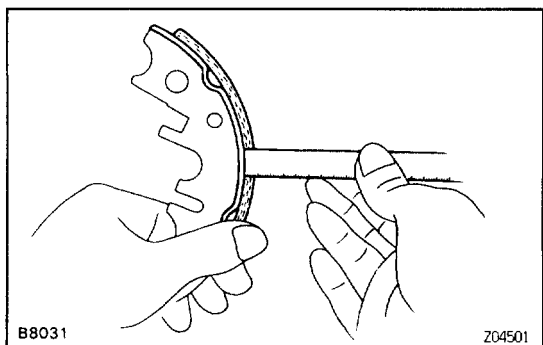


- (h) Using a screwdriver, remove the C-washer and pin.
- (i) Remove the parking brake bellcrank from the bell crank bracket.

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.

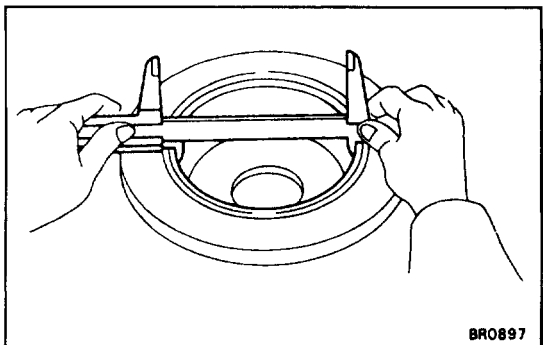
Standard thickness:

4.0 mm (0.158 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.

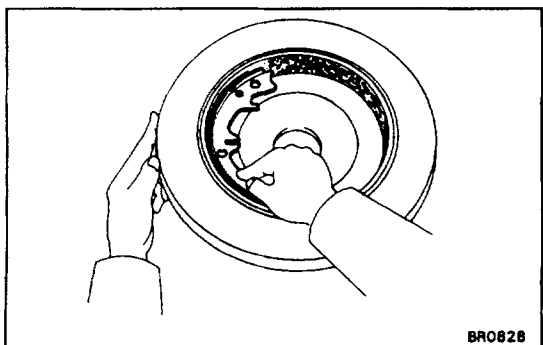
Standard inside diameter:

230 mm (9.06 in.)

Maximum inside diameter:

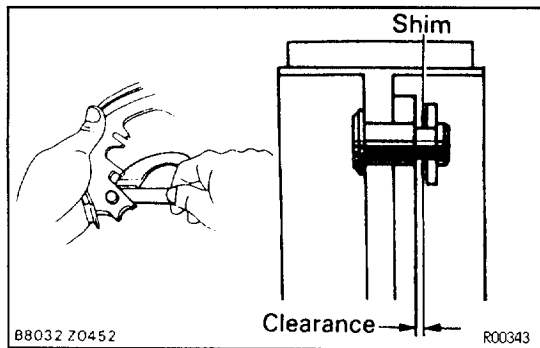
231 mm (9.09 in.)

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

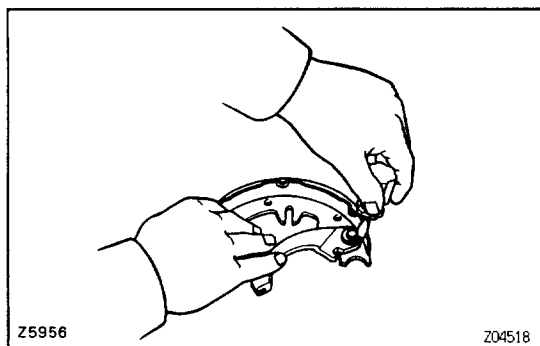
Using a feeler gauge, measure the clearance.

Standard clearance:

Less than 0.35 mm (0.0138 in.)

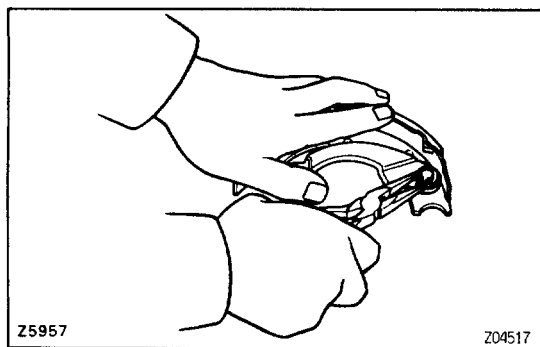
If the clearance is not within the specification, replace the shim with one of the correct size.

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

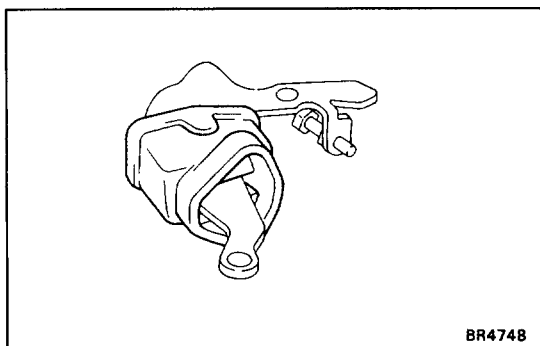


6. IF NECESSARY, REPLACE SHIM

- Remove the parking brake shoe lever, and install the correct size shim.



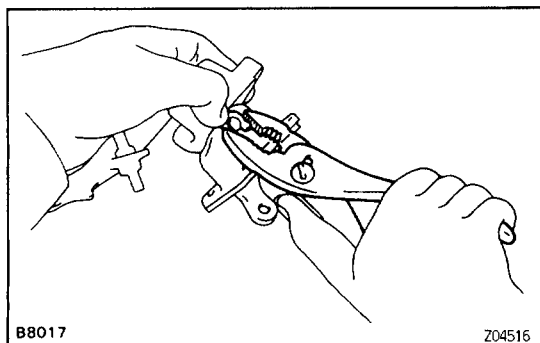
- Install the parking brake shoe lever with a new C-washer.
- Remeasure the clearance.



PARKING BRAKE ASSEMBLY

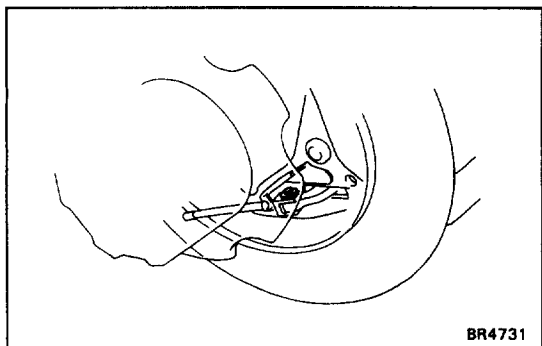
1. IF NECESSARY, ASSEMBLE AND INSTALL PARKING BRAKE BELLCRANK ASSEMBLY

- Apply lithium soap glycol grease to the boot.
- Install the boot to the parking brake bellcrank.

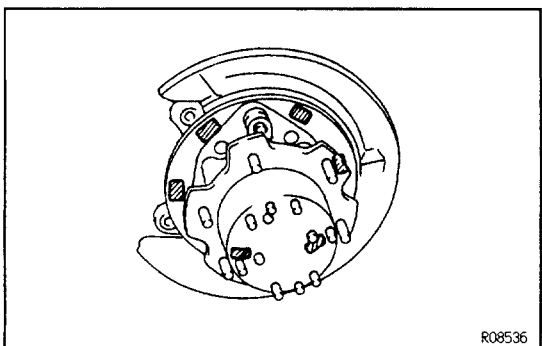


- Install the parking brake bellcrank to the bellcrank bracket.
- Install the pin with a new C-washer.
- Install the parking brake bellcrank assembly on the backing plate with the 2 bolts.
- Torque the bolts.

Torque: 13 N·m (130 kgf·cm, 9 ft·lbf)

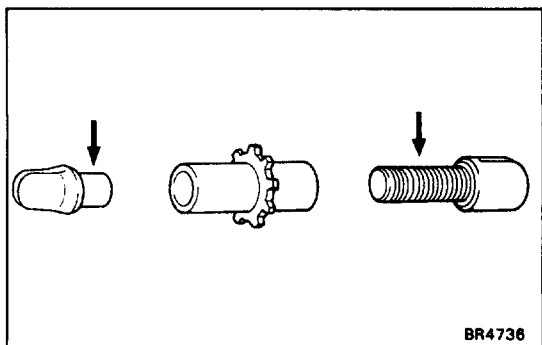


- (g) Using pliers, connect parking brake cable No.2 to the bellcrank with the pin and a new C-washer.

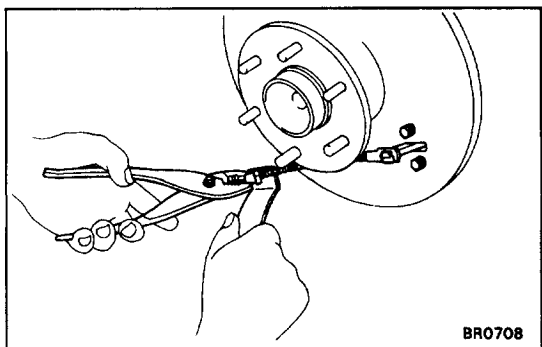


2. APPLY HIGH TEMPERATURE GREASE TO THESE PARTS:

- (a) Rubbing surfaces of the backing plate and shoe

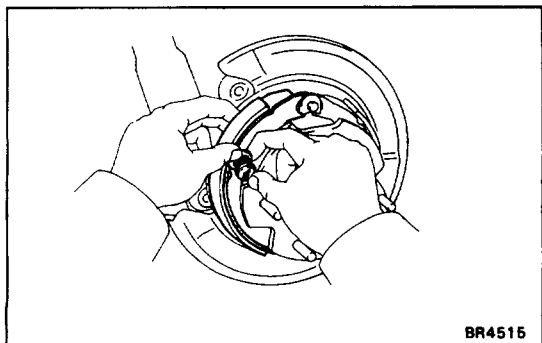


- (b) Adjuster



3. CONNECT PARKING BRAKE CABLE TO FRONT SHOE

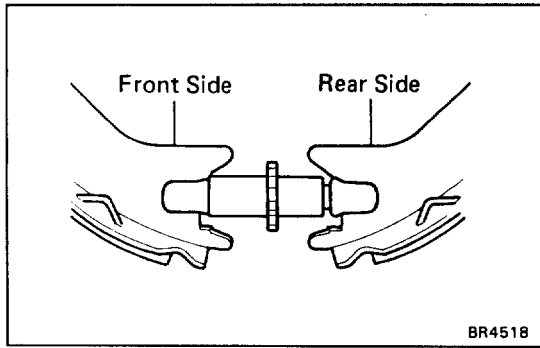
Using needle-nose pliers, connect the parking brake cable to the parking brake shoe lever.



4. INSTALL FRONT SHOE

- Install the pin to the backing plate.
- Install the shoe hold-down spring and cups.
- Slide in the front shoe.

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



5. INSTALL TENSION SPRING, REAR SHOE AND ADJUSTER

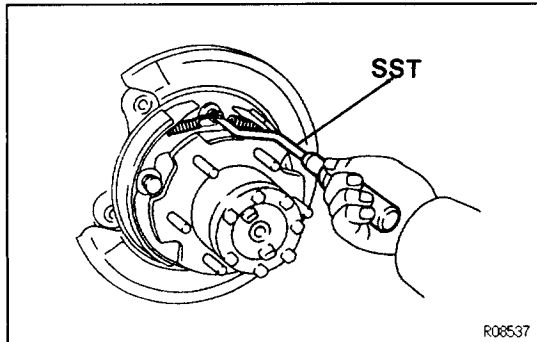
- Install the pin to the backing plate and the shoe hold-down spring and cups.
- Install the lower side tension spring to the front shoe.
- Install the rear shoe to the tension spring.
- Install the adjuster between the front and rear shoes.
- Slide in the rear shoe.

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

- Using pliers, install the tension spring.

6. INSTALL STRUT WITH SPRING

Install the strut with the spring facing rearward.



7. INSTALL SHOE RETURN SPRINGS

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

SST 09718-20010

8. INSTALL DISC

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

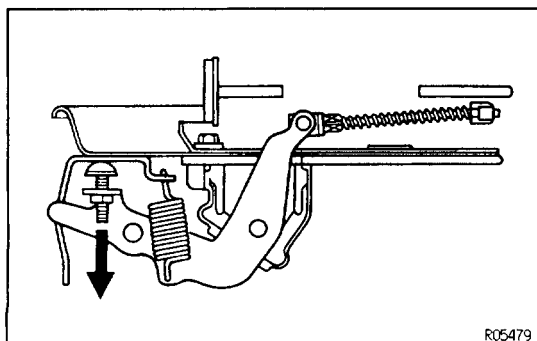
HINT: If there are no matchmarks, align the groove on the rear axle hub flange with the service hole on the disc.

9. CONNECT PARKING BRAKE CABLE

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

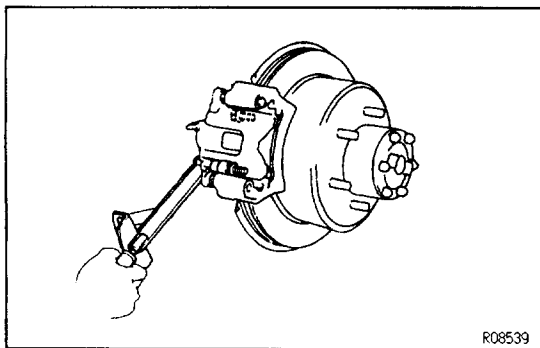
10. ADJUST PARKING BRAKE SHOE CLEARANCE

- Temporarily install the hub nuts.
- Remove the hole plug.
- Turn the adjuster and expand the shoes until the disc locks.
- Return the adjuster 8 notches.
- Install the hole plug.



11. 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.

**12. INSTALL REAR DISC BRAKE ASSEMBLY**

Install the disc brake assembly and torque the 2 mounting bolts.

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

13. INSTALL REAR WHEEL**14. BEDDING DOWN PARKING BRAKE SHOES AND DISC**

- (a) Drive the vehicle at about 50 km/h (31 mph) on a safe, level and dry road.
- (b) With the parking brake release button pushed in, pull on the lever with 88 N (9 kgf, 19.8 lbf) of force.
- (c) Drive the vehicle for about 400 meters (0.25 mile) in this condition.
- (d) Repeat this procedure 2 or 3 times.

15. RECHECK AND ADJUST PARKING BRAKE LEVER TRAVEL