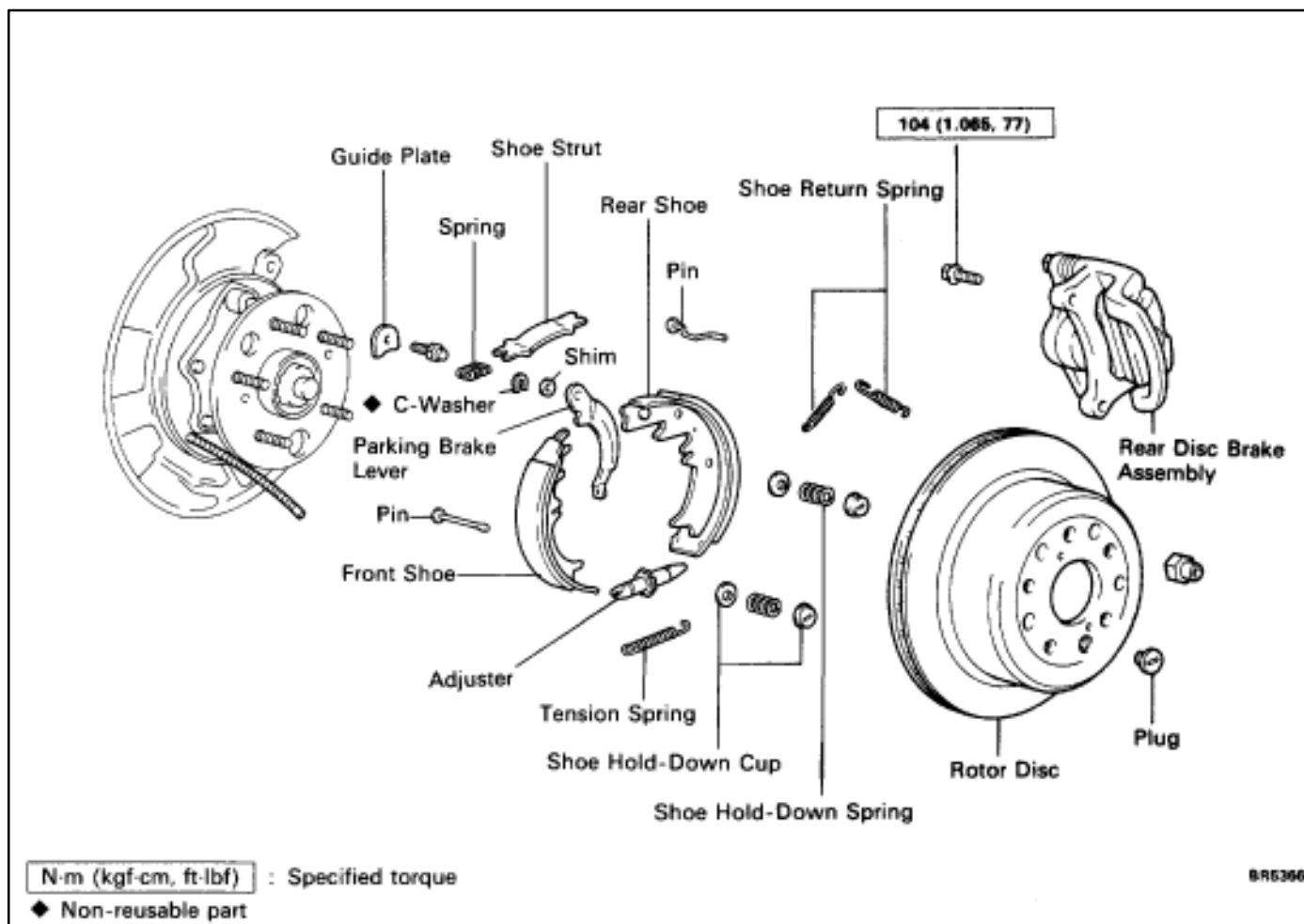
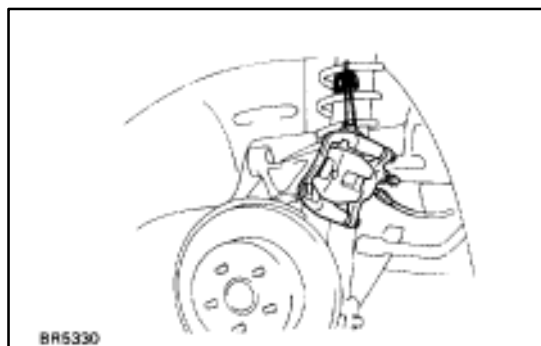


Parking Brake COMPONENTS



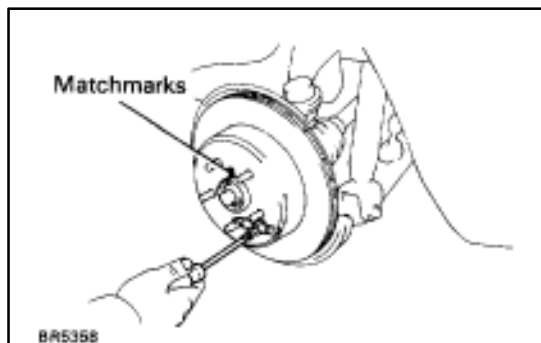
DISASSEMBLY OF PARKING BRAKE

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



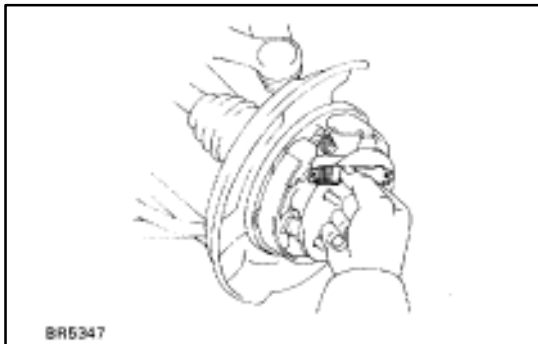
3. REMOVE ROTOR DISC
 - (a) Place matchmarks on the rotor disc and rear axle shaft.
 - (b) Remove the rotor disc.

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

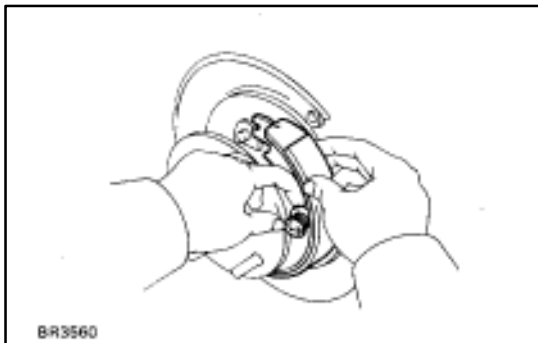


**4. REMOVE SHOE RETURN SPRINGS**

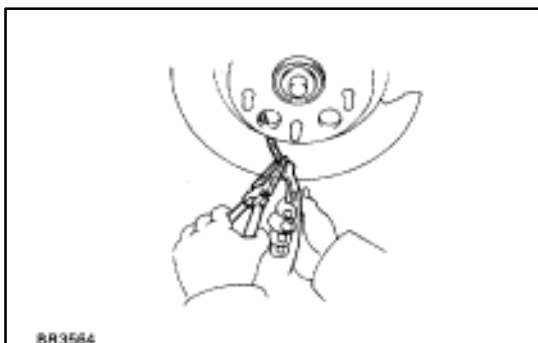
Using needle-nose pliers, remove the two shoe return springs.

**5. REMOVE SHOE STRUT WITH SPRING****6. REMOVE FRONT SHOE, ADJUSTER AND TENSION SPRING**

- (a) Slide out the front shoe and remove the shoe adjuster.
- (b) Disconnect the tension spring and remove the front shoe.

**7. REMOVE REAR SHOE**

- (a) Slide out the rear shoe.
- (b) Remove the tension spring from the rear shoe.

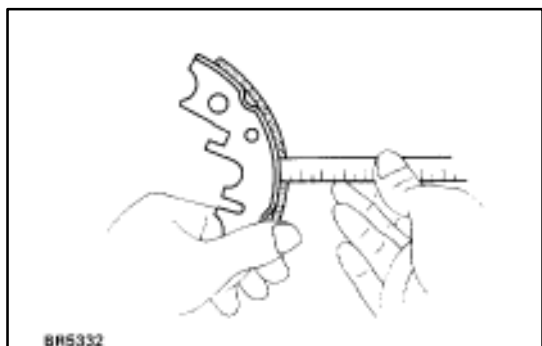


- (c) Disconnect the parking brake cable from the parking brake shoe lever.
- (d) Remove the shoe hold-down spring cups, springs, and pins.

INSPECTION AND REPAIR OF PARKING BRAKE COMPONENTS

1. INSPECT DISASSEMBLED PARTS

Inspect the disassembled parts for wear, rust or damage.



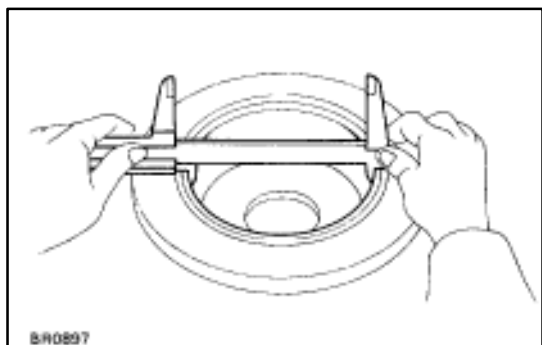
2. MEASURE BRAKE SHOE LINING THICKNESS

Using a scale, measure the thickness of the shoe lining.

Standard thickness: 2.5 mm (0.098 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.



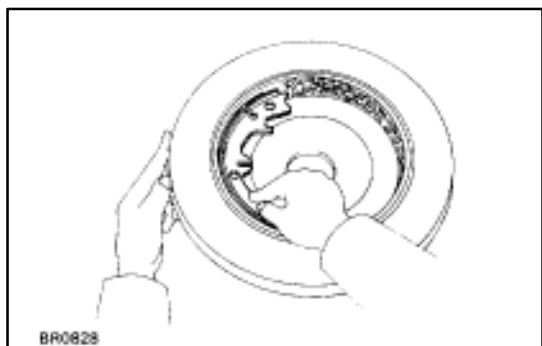
3. MEASURE BRAKE DISC INSIDE DIAMETER

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

Standard inside diameter: 190 mm (7.48 in.)

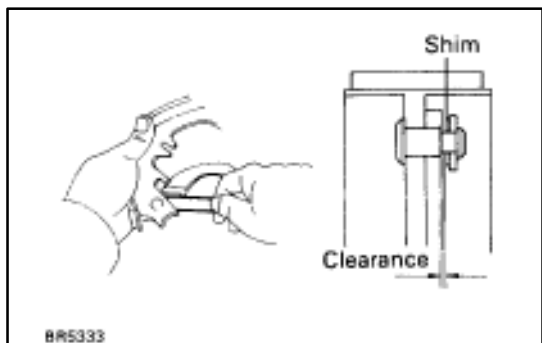
Maximum inside diameter: 191 mm (7.52 in.)

Replace the rotor disc if the inside diameter is at the maximum value or more. Replace the rotor disc or grind it with a lathe if the rotor 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 rotor, then grind down the brake shoe lining to fit. If the contact between the rotor disc and the brake shoe lining is improper, repair it using a brake shoe grinder or replace the brake shoe assembly.



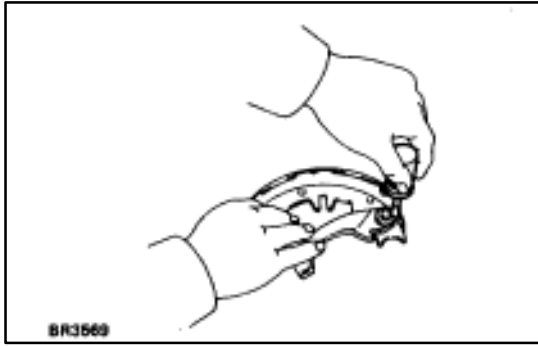
5. MEASURE CLEARANCE BETWEEN PARKING BRAKE SHOE AND LEVER

Using a feeler gauge, measure the clearance.

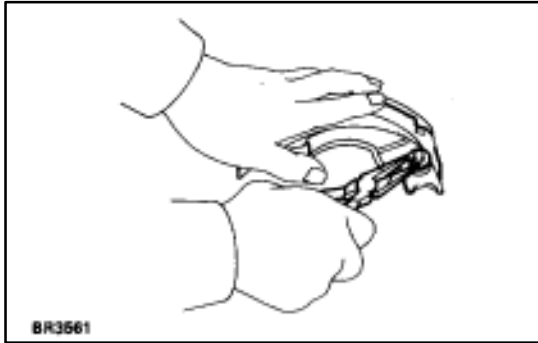
Standard clearance: Less than 0.35 mm (0.0138 in.)

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

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

**6. IF NECESSARY, REPLACE SHIM**

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

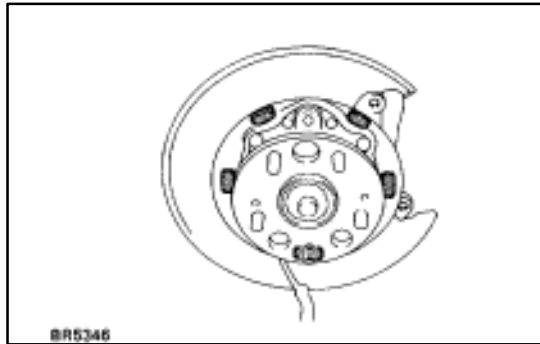
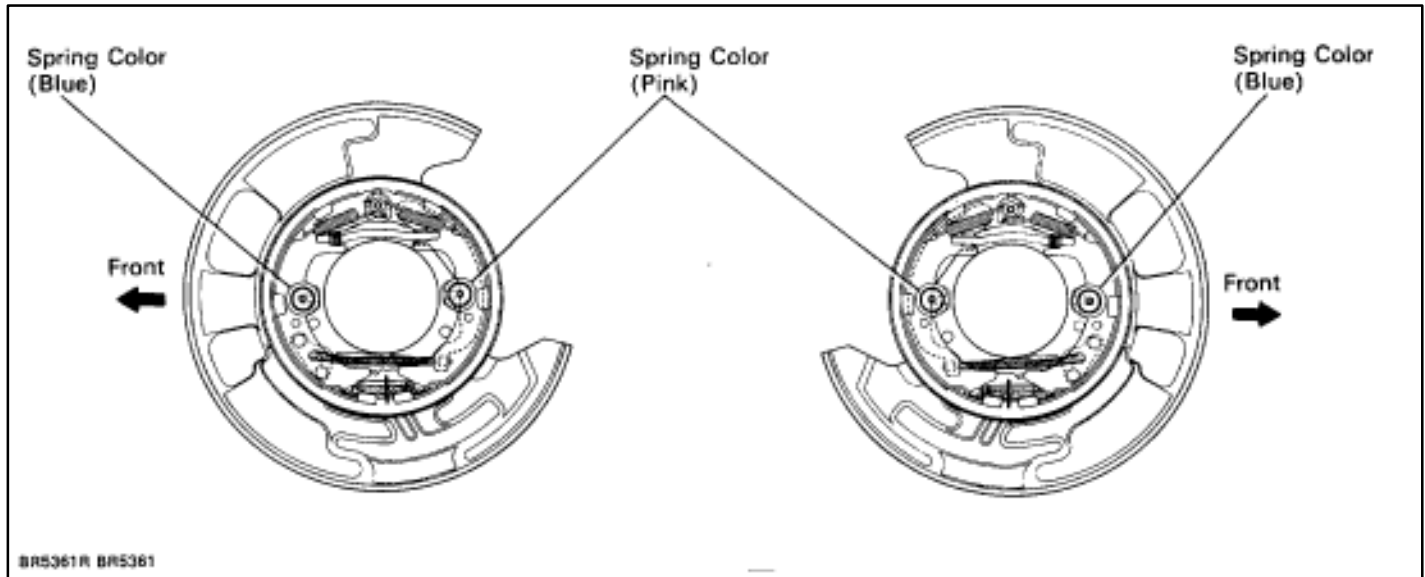


- (b) Install the parking brake shoe lever with a new C-washer.
- (c) Remeasure the clearance.

ASSEMBLY OF PARKING BRAKE

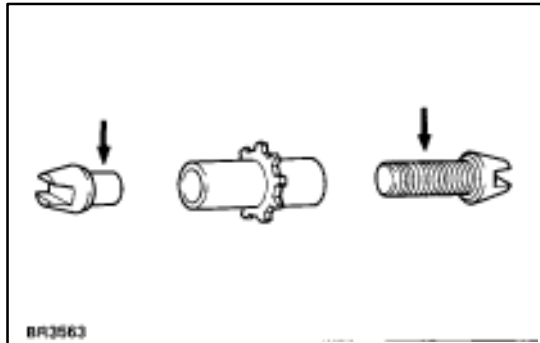
(See page [BR-33](#))

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

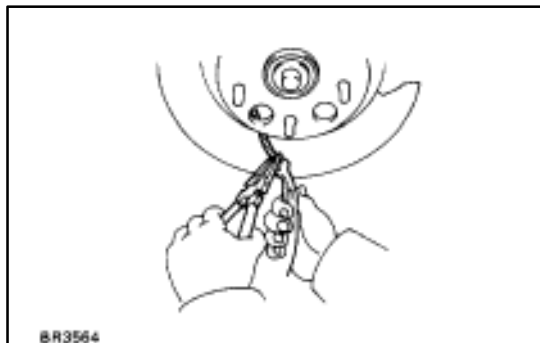


1. APPLY HIGH TEMPERATURE GREASE ON BACKING PLATE AS SHOWN

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

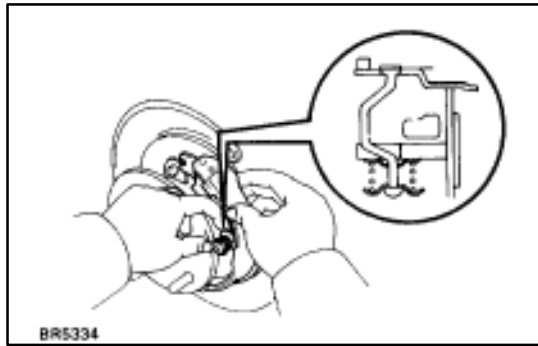


2. APPLY HIGH TEMPERATURE GREASE TO ADJUSTER AS SHOWN



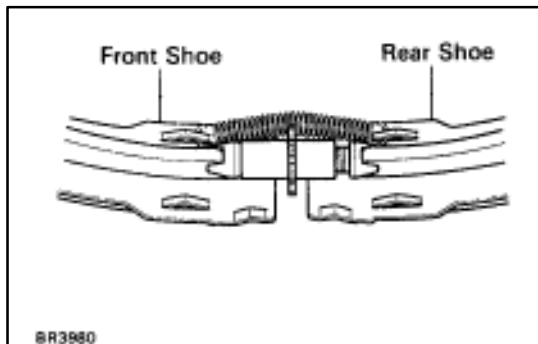
3. CONNECT PARKING BRAKE CABLE TO PARKING BRAKE LEVER

- Install the shoe hold-down springs, cups and pins.
- Connect the parking brake cable to the parking brake shoe lever of the rear shoe.

**4. INSTALL REAR SHOE**

Slide in the rear shoe between the shoe hold-down spring cup and the backing plate.

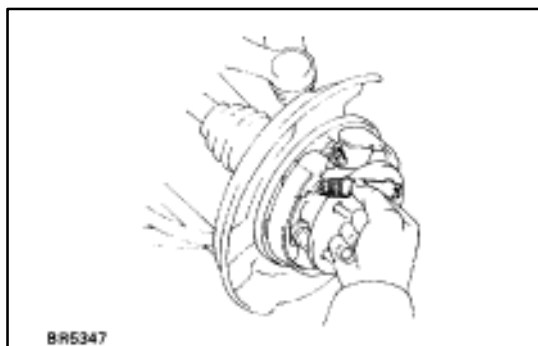
NOTICE: Do not allow oil or grease to get on the rubbing face.

**5. INSTALL TENSION SPRING, FRONT SHOE AND ADJUSTER**

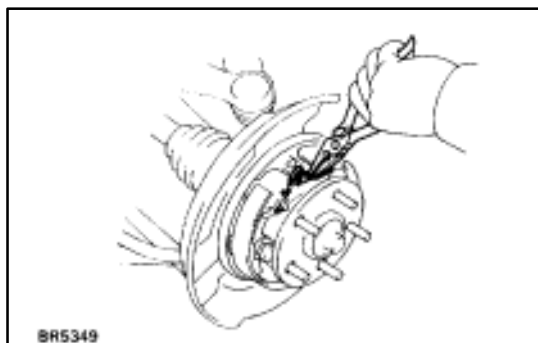
- (a) Install the tension spring on the rear shoe.
- (b) Install the front shoe on the tension spring.
- (c) Install the adjuster between the front and rear shoes.



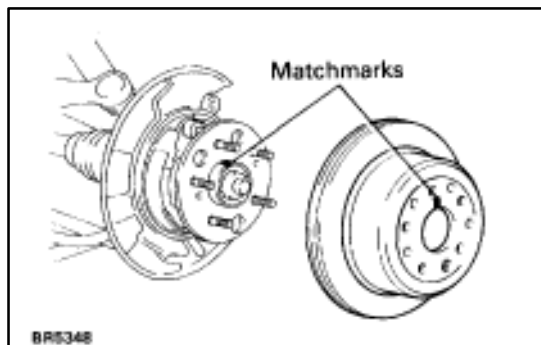
- (d) Slide in the front shoe between the shoe hold-down spring cup and the backing plate.

**6. INSTALL STRUT WITH SPRING**

Install the strut with the spring forward.

**7. INSTALL SHOE RETURN SPRINGS**

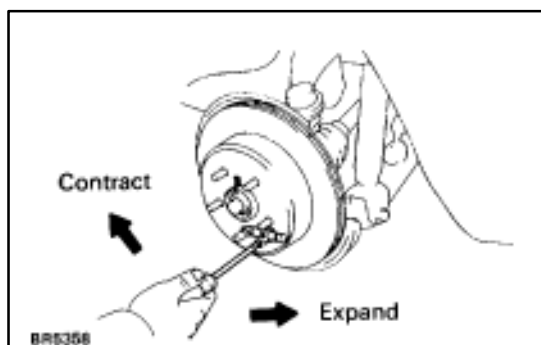
Using needle-nose pliers, install the shoe return springs.



8. INSTALL ROTOR DISC

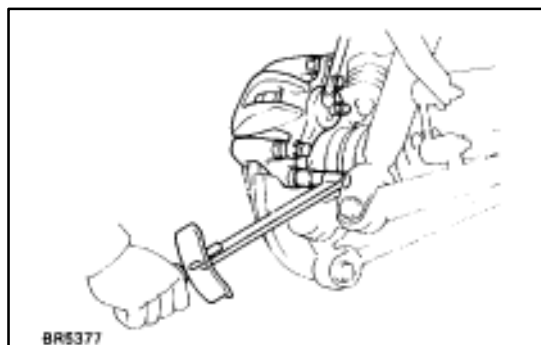
- (a) Before installing the rotor disc, polish the disc and shoe surfaces with sandpaper.
- (b) Align the matchmarks and install the rotor disc.

HINT: If there are no matchmarks, temporarily install the rotor disc, then measure the rotor disc runout and install the rotor disc in the best position. (See step 4 on page [BR-32](#))



9. ADJUST PARKING BRAKE SHOE CLEARANCE

- (a) Temporarily install the hub nuts.
- (b) Remove the hole plug.
- (c) Turn the adjuster and expand the shoes until the rotor disc locks.
- (d) Return the adjuster eight notches.
- (e) Install the hole plug.



10. INSTALL REAR DISC BRAKE ASSEMBLY

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

Torque: 104 N·m (1,065 kgf·cm, 77 ft·lbf)

11. INSTALL REAR WHEEL

12. SETTLING 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 two or three times.

13. RECHECK AND ADJUST PARKING BRAKE LEVER TRAVEL