330D8–02

OVERHAUL

HINT:

Replace the RH side by the same procedures as the LH side.

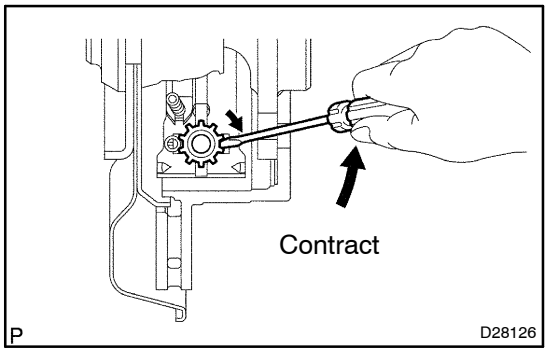
1. REMOVE REAR WHEEL

2. SEPARATE REAR DISC BRAKE CALIPER ASSY LH

(a) Remove the 2 bolts and separate the rear disc brake caliper assy LH.

HINT:

- Do not disconnect the flexible hose from the disc brake caliper assy LH.
- Hang the separated brake caliper assy LH with wire.

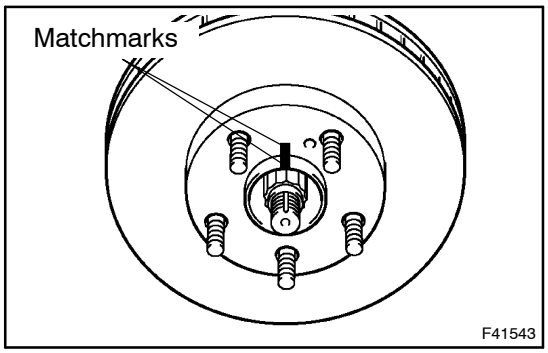


3. REMOVE REAR DISC

(a) Release the parking brake, and remove the rear disc.

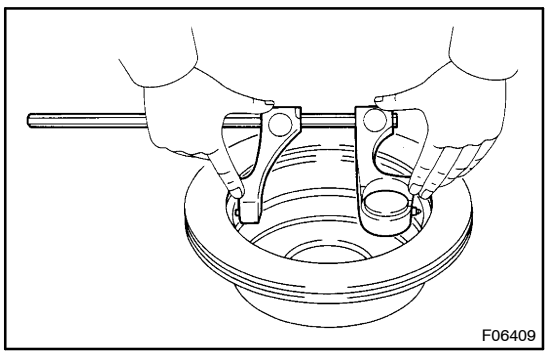
HINT:

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



(b) Place matchmarks on the rear disc and the axle hub.

(c) Remove the rear disc.



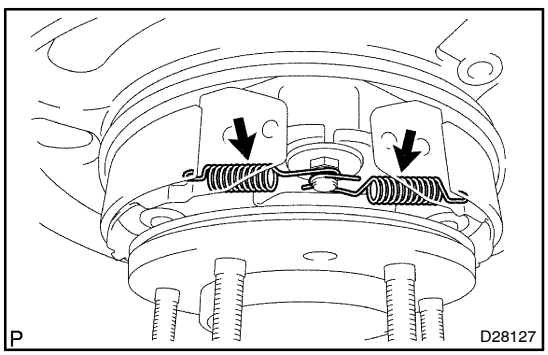
4. INSPECT BRAKE DISC INSIDE DIAMETER

(a) Using a brake drum gauge or equivalent tool, measure the inside diameter of the rear disc.

Standard inside diameter: 190 mm (7.480 in.)

Maximum inside diameter: 191 mm (7.520 in.)

If the inside diameter exceeds the maximum, replace the brake disc.

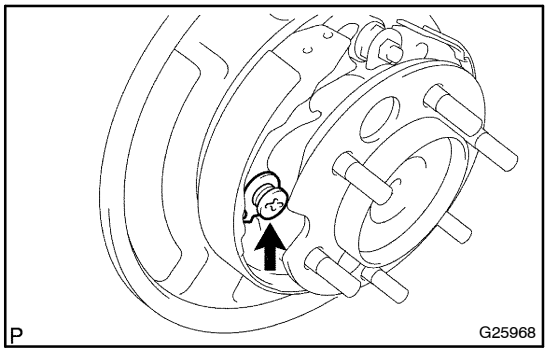


5. REMOVE PARKING BRAKE SHOE RETURN TENSION SPRING

(a) Using needle–nose pliers, remove the 2 parking brake shoe return tension springs No.1.

6. REMOVE PARKING BRAKE SHOE STRUT LH

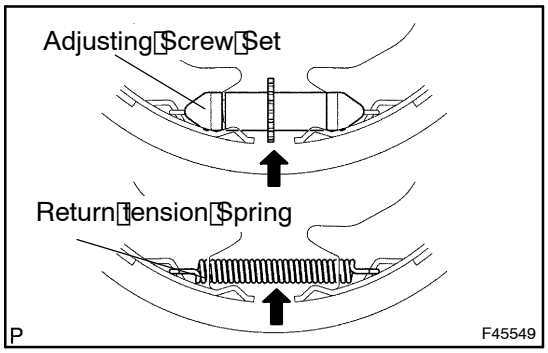
(a) Remove the parking brake shoe strut LH and the parking brake shoe strut compression spring.



7. REMOVE PARKING BRAKE SHOE ASSY LH NO.1

(a) Remove the parking brake shoe hold down spring cup No.1, parking brake shoe hold down spring and parking brake shoe hold down spring cup No.2.

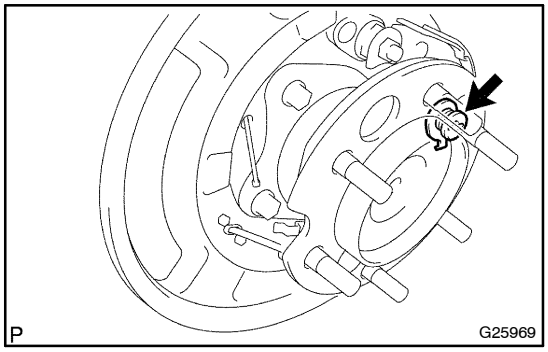
(b) Disconnect the parking brake shoe return spring No.2 and remove the parking brake shoe assy LH No.1.



8. REMOVE PARKING BRAKE SHOE ADJUSTING SCREW SET

(a) Remove the parking brake shoe adjusting screw set.

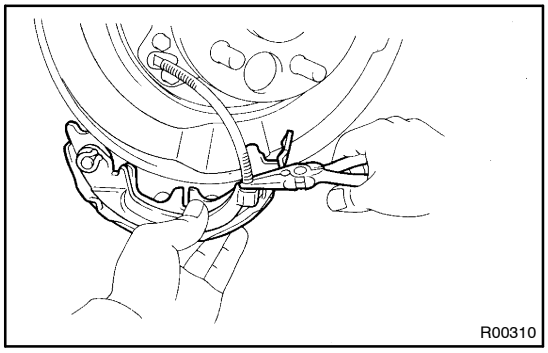
(b) Remove the parking brake shoe return tension spring No.2.



9. REMOVE PARKING BRAKE SHOE ASSY LH NO.2

(a) Remove the parking brake shoe hold down spring cup No.1, parking brake shoe hold down spring, parking brake shoe hold down spring cup No.2 and parking brake shoe hold down spring pin No.2.

(b) Remove the parking brake shoe assy LH No.2.



(c) Using needle–nose pliers, disconnect the parking brake cable No.3 from the parking brake cable shoe lever.

NOTICE:

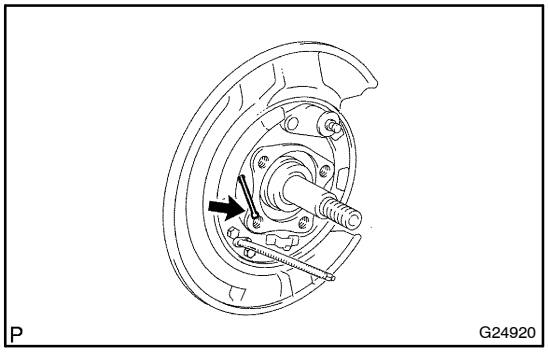
Be careful not to damage the parking brake cable No.3.

10. SEPARATE SPEED SENSOR REAR LH (SEE PAGE 30–50)

11. REMOVE REAR AXLE SHAFT LH NUT (SEE PAGE 30–50)

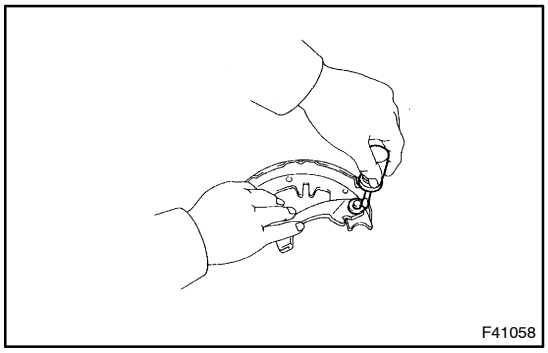
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12. REMOVE REAR AXLE HUB & BEARING ASSY LH (SEE PAGE 30–50)



13. REMOVE PARKING BRAKE SHOE HOLD DOWN SPRING PIN

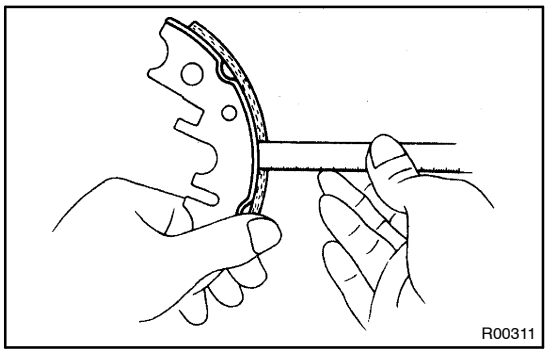
(a) Remove the parking brake shoe hold down spring pin No.1.



14. REMOVE PARKING BRAKE SHOE TYPE C WASHER

(a) Using a screwdriver, remove the C–washer.

(b) Remove the shim and parking brake shoe lever from the parking brake shoe assy LH No.2.



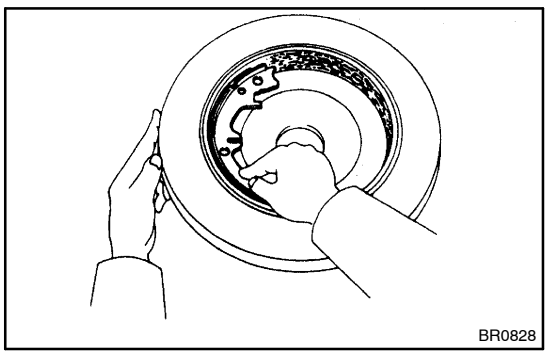
15. INSPECT PARKING BRAKE SHOE LINING THICKNESS

(a) Using a ruler, measure the thickness of the shoe lining.

Standard thickness: 2.5 mm (0.098 in.)

Minimum thickness: 1.0 mm (0.039 in.)

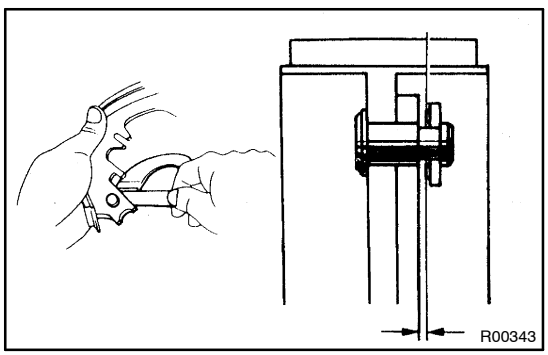
If the lining thickness is minimum or less, or if there is severe or uneven wear, replace the brake shoe.



16. INSPECT BRAKE DISC AND PARKING BRAKE SHOE LINING FOR PROPER CONTACT

(a) Apply chalk to the inside surface of the disc, then grind down the brake shoe lining to fit disc.

If the contact between the brake disc and the shoe lining is improper, repair it using a brake shoe grinder or replace the brake shoe assembly.



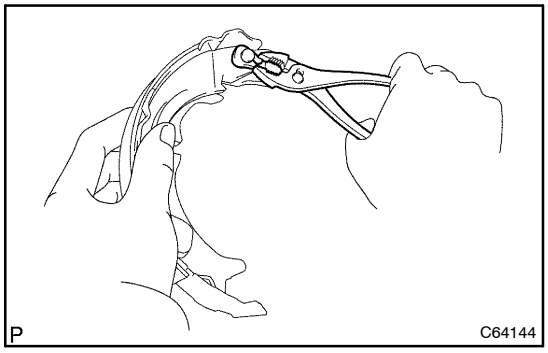
17. INSTALL PARKING BRAKE SHOE TYPE C WASHER

(a) Using a feeler gauge, measure the clearance.

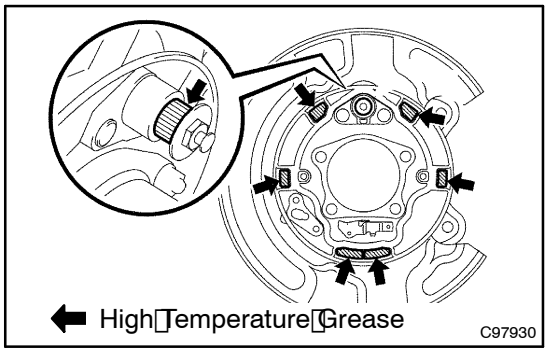
Standard clearance: Less than 0.35 mm (0.014 in.)

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.)	–

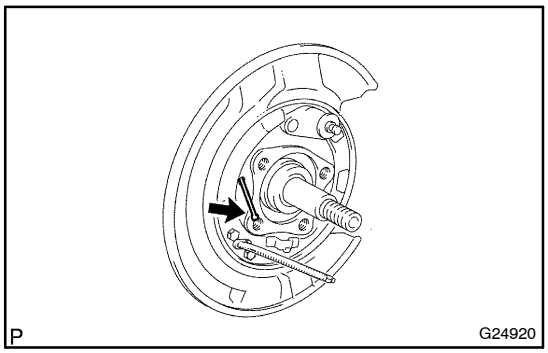


(b) Using pliers, install the parking brake shoe lever LH and the shim with a new C–washer.



18. APPLY HIGH TEMPERATURE GREASE

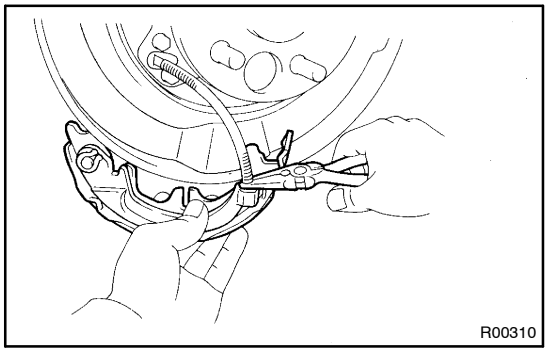
(a) Apply high temperature grease to the parts of the backing plate which make contact with the shoe.



19. INSTALL PARKING BRAKE SHOE HOLD DOWN SPRING PIN

(a) Install the parking brake shoe hold down spring pin No.1.

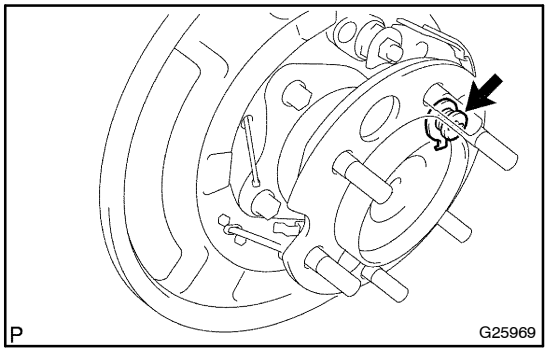
20. INSTALL REAR AXLE HUB & BEARING ASSY LH (SEE PAGE 30–50)
21. INSTALL REAR AXLE SHAFT LH NUT (SEE PAGE 30–50)
22. INSTALL SPEED SENSOR REAR LH (SEE PAGE 30–50)



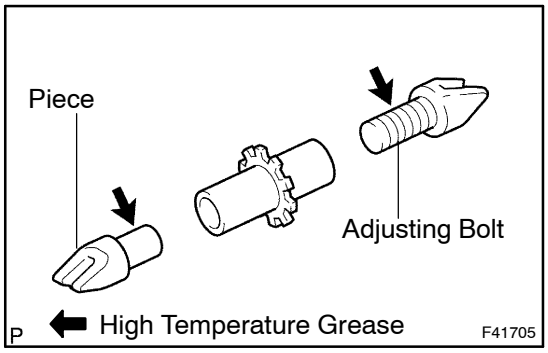
23. INSTALL PARKING BRAKE SHOE ASSY LH NO.2

(a) Using needle–nose pliers, connect the parking brake cable No.3 from the parking brake cable shoe lever.

NOTICE:
Be careful not to damage the parking brake cable No.3.

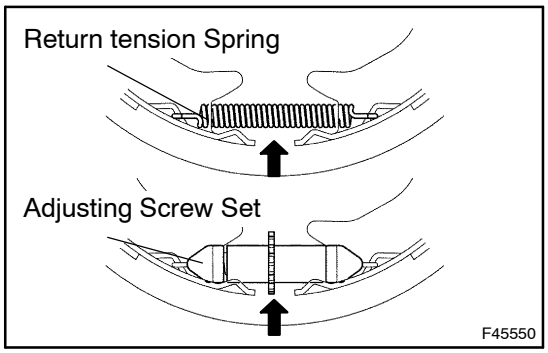


(b) Install the parking brake shoe assy LH No.2 with the parking brake shoe hold down spring, parking brake hold down spring cup No.1, parking brake shoe hold down spring cup No.2 and parking brake shoe hold down spring pin No.2.



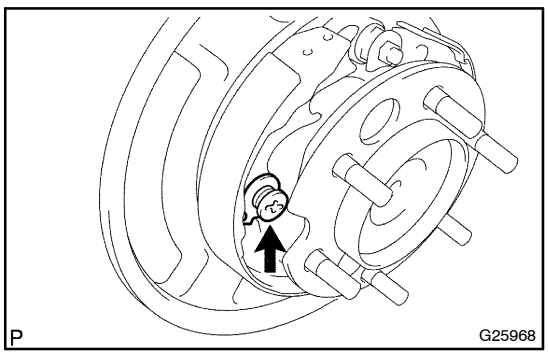
24. INSTALL PARKING BRAKE SHOE ADJUSTING SCREW SET

(a) Apply high temperature grease to the parking brake shoe adjusting bolt and piece.



(b) Attach the parking brake shoe return tension spring No.2 to the parking brake shoe assy LH No.1 and parking brake shoe assy LH No.2.

(c) Attach the parking brake shoe adjusting screw set to the parking brake shoe assy LH No.1 and parking brake shoe assy LH No.2.

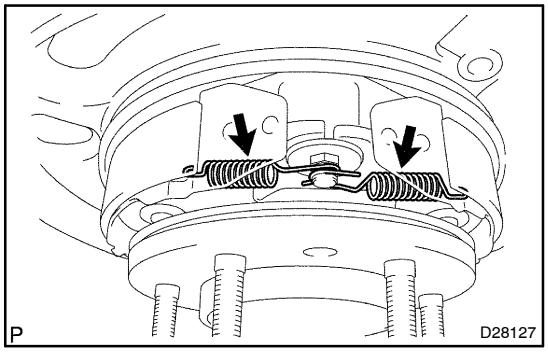


25. INSTALL PARKING BRAKE SHOE ASSY LH NO.1

(a) Install the parking brake shoe assy LH No.1 with the parking brake shoe hold down spring, parking brake shoe hold down spring cup No.1, parking brake shoe hold down spring cup No.2 and parking brake shoe hold down spring pin No.1.

26. INSTALL PARKING BRAKE SHOE STRUT LH

(a) Attach the parking brake shoe strut LH and the parking brake shoe strut compression spring to the parking brake shoe assy LH No.2 and parking brake shoe assy LH No.1.



27. INSTALL PARKING BRAKE SHOE RETURN TENSION SPRING

(a) Using needle–nose pliers, install the 2 return tension springs No.1 as shown in the illustration.

HINT:

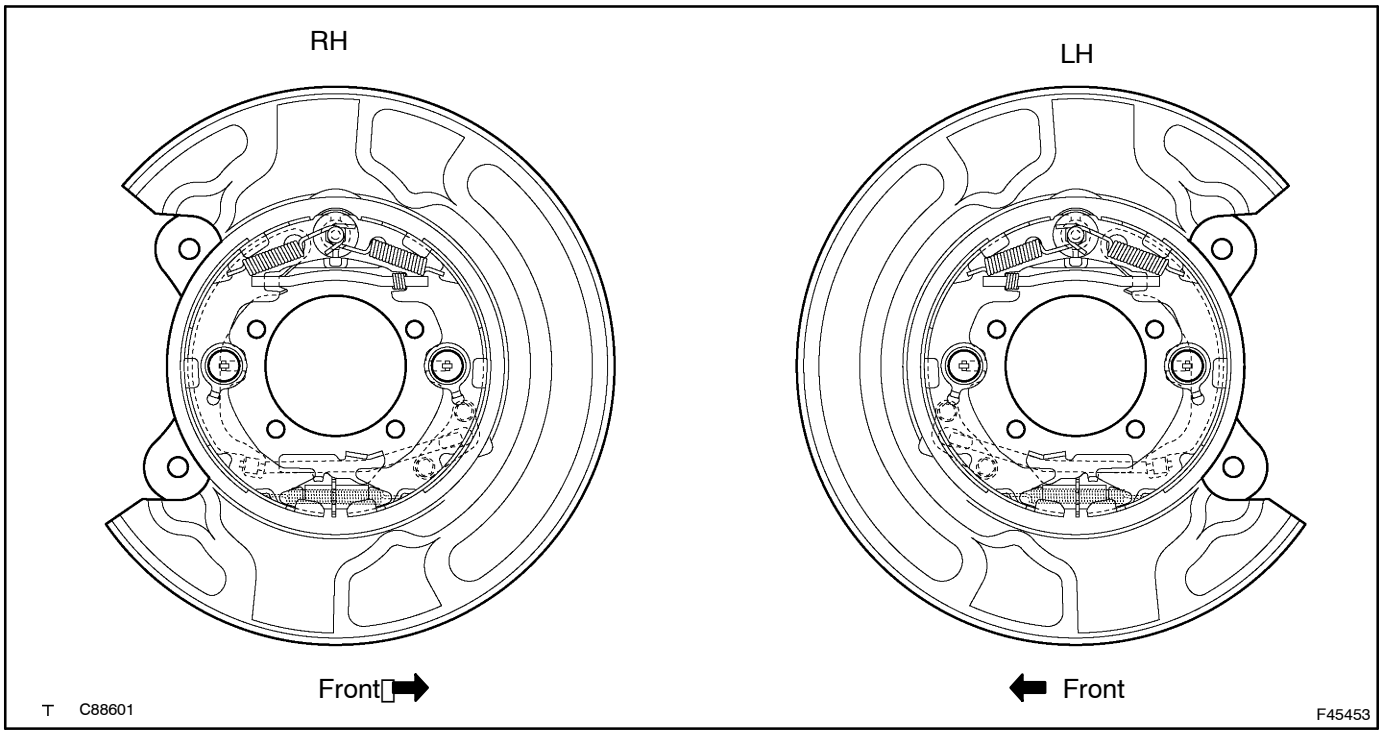
First install the front side spring, and then the rear side spring.

28. CHECK PARKING BRAKE INSTALLATION

(a) Check that each part is installed properly.

NOTICE:

There should be no oil or grease on the friction surface of the shoe lining and disc.

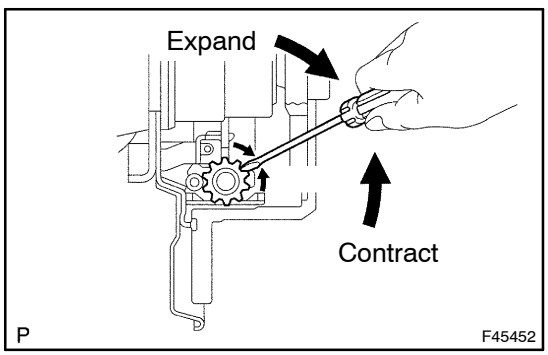


29. INSPECT BEARING BACKLASH (SEE PAGE 30–3)

30. INSPECT AXLE HUB DEVIATION (SEE PAGE 30–3)

31. INSTALL REAR DISC

(a) Aligning the matchmarks, install the rear disc.



32. ADJUST PARKING BRAKE SHOE CLEARANCE

(a) Temporarily install the hub nuts.

(b) Remove the hole plug, turn the adjuster and expand the shoes until the disc locks.

(c) Contract the shoe adjuster until the disc rotates smoothly.

Standard : Returns 8 notches

(d) Check that the shoe has no brake drag.

(e) Install the hole plug.

33. CONNECT REAR DISC BRAKE CALIPER ASSY LH

(a) Install the rear disc brake caliper assy LH with the 2 bolts.

Torque: 78 N·m (800 kgf·cm, 58 ft·lbf)

34. INSTALL REAR WHEEL

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

35. INSPECT PARKING BRAKE PEDAL TRAVEL (SEE PAGE 33–2)

36. ADJUST PARKING BRAKE PEDAL TRAVEL (SEE PAGE 33–2)

37. CHECK ABS SPEED SENSOR SIGNAL (SEE PAGE 05–156, 05–234)