REAR DRUM BRAKE (4WD and PRERUNNER)

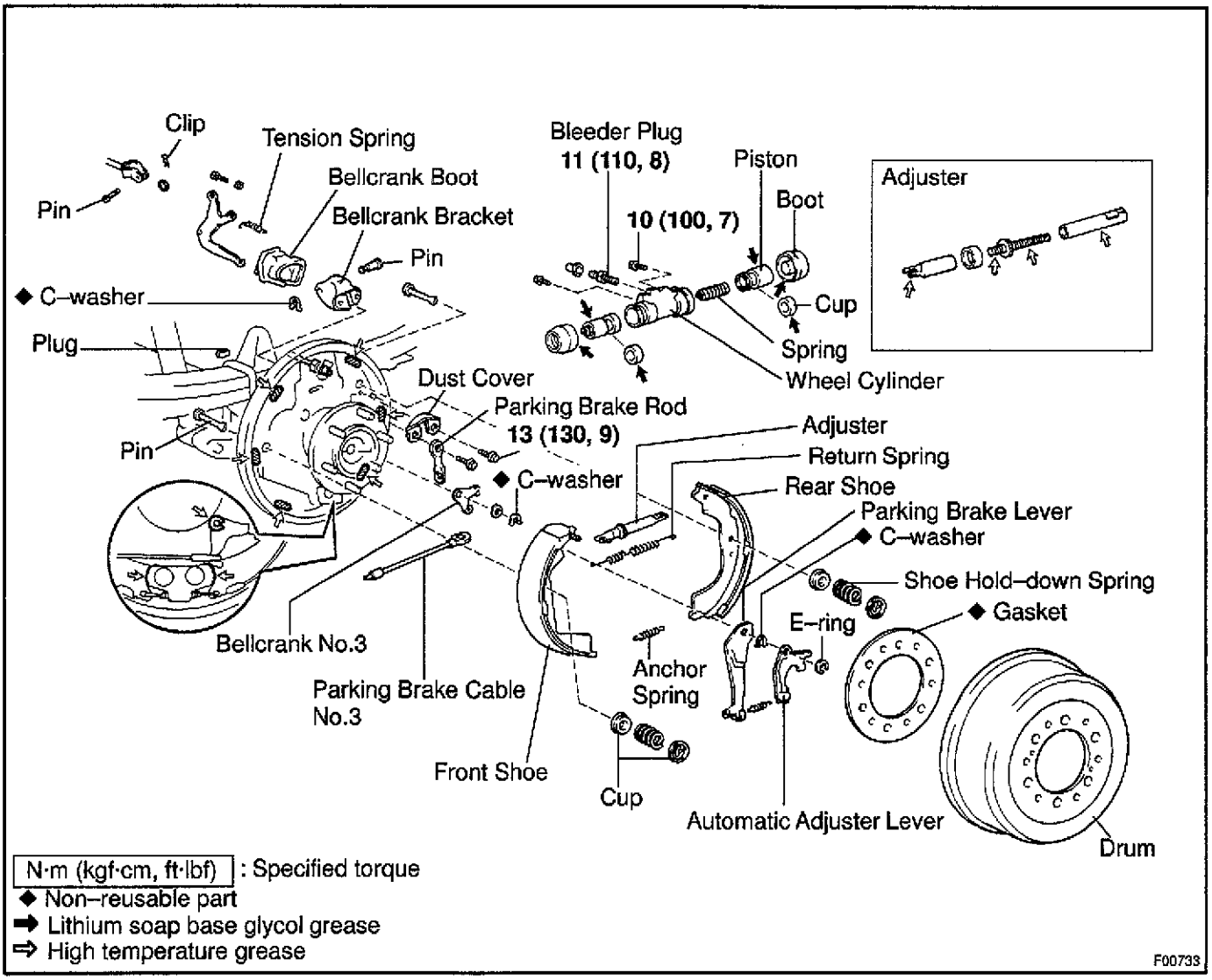
COMPONENTS

BR0FL-01

HINT:

Prerunner is the model described below.

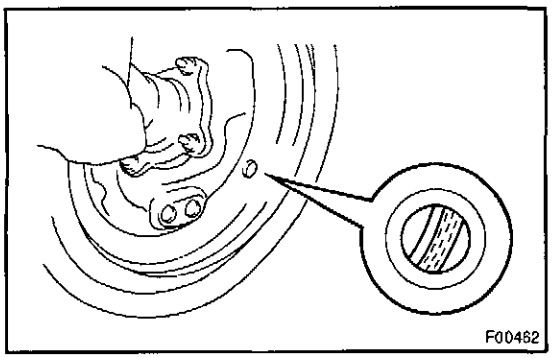
RZN193L–PRMDK, LN191L–PRMDS



N·m (kgf·cm, ft·lbf) : Specified torque
◆ Non–reusable part
➡ Lithium soap base glycol grease
⇨ High temperature grease

F00733

BR0FM-01



REMOVAL

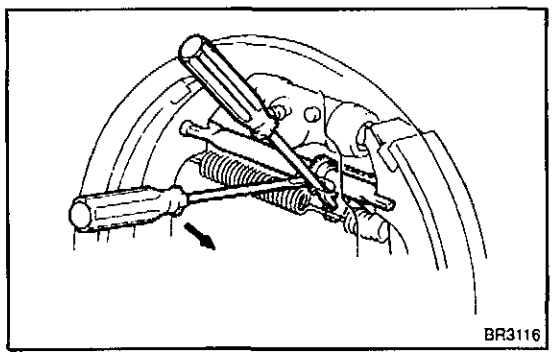
1. INSPECT SHOE LINING THICKNESS

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

If less than the minimum, replace the shoes.

Minimum thickness: 1.0 mm (0.039 in.)

2. REMOVE REAR WHEEL



3. REMOVE BRAKE DRUM

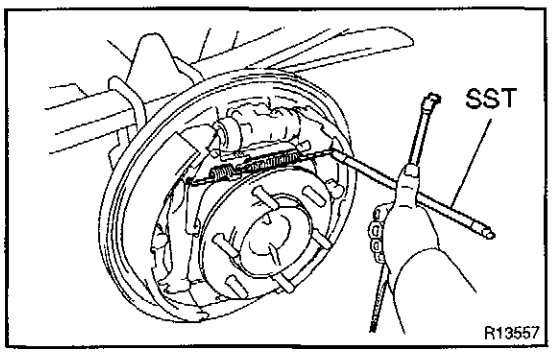
HINT:

If the brake drum cannot be removed easily, do the following steps.

(a) Remove the adjusting hole plug in the backing plate.

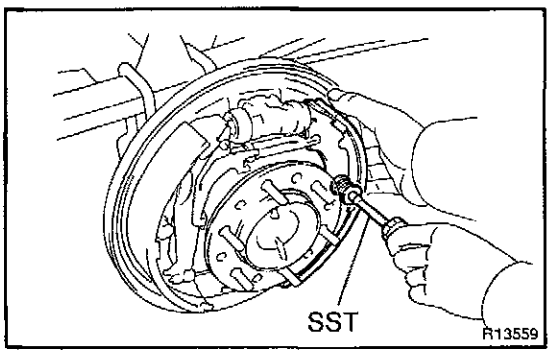
(b) Insert a screwdriver through the hole in the backing plate, and hold the automatic adjusting lever away from the adjusting bolt.

(c) Using another screwdriver, reduce the brake shoe adjustment by turning the adjusting bolt.



4. REMOVE REAR SHOE

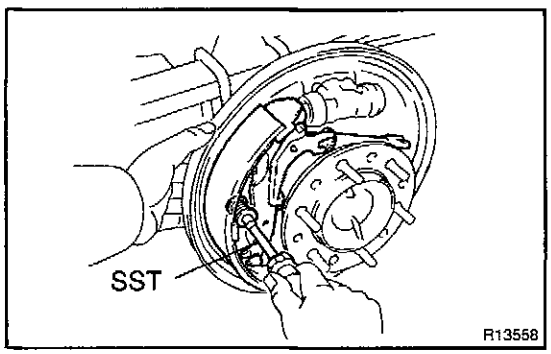
(a) Using SST, disconnect the return spring.
SST 09703–30010



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

(c) Disconnect anchor spring from the rear shoe and remove the rear shoe.

(d) Remove another spring from the front shoe.



5. REMOVE FRONT SHOE

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

(b) Remove the return spring from the front shoe.

(c) Disconnect the parking brake cable No.1 from the parking brake bellcrank No.3.

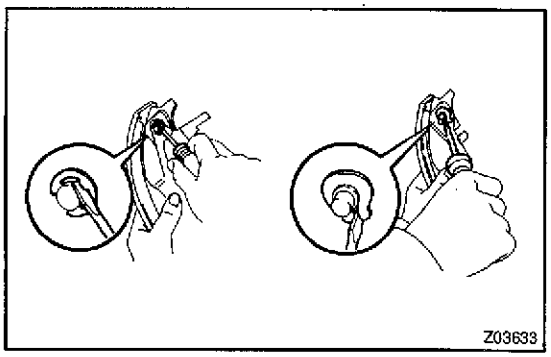
(d) Remove the front shoe with adjuster.

(e) Disconnect the parking brake cable No.1 from the front shoe.

6. REMOVE ADJUSTER FROM FRONT SHOE

(a) Remove the adjusting lever spring.

(b) Remove the adjuster.



7. REMOVE AUTOMATIC ADJUSTING LEVER AND PARKING BRAKE LEVER

(a) Remove the E–ring.

(b) Remove the automatic adjusting lever.

(c) Remove the C–washer.

(d) Remove the parking brake lever.

8. REMOVE AND DISASSEMBLE PARKING BRAKE BELLCRANK

(a) Remove the clip and disconnect the parking brake cable.

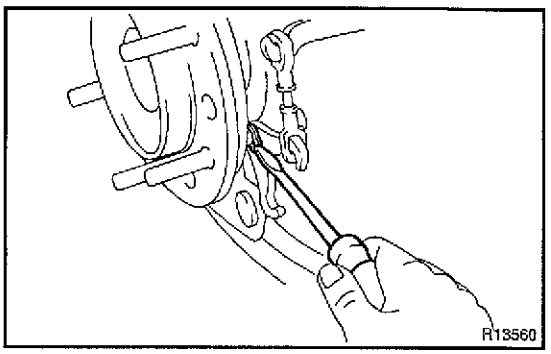
(b) Remove the tension spring.

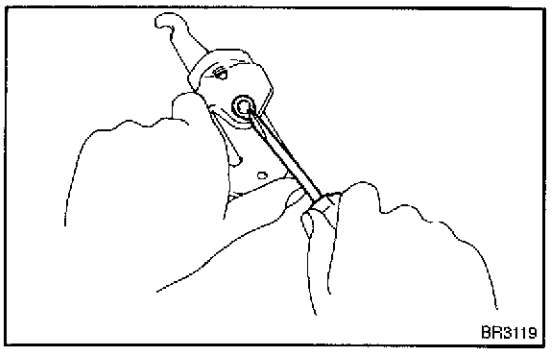
(c) Using a screwdriver, remove the C–washer and bellcrank No.3 from the backing plate with parking brake cable rod.

(d) Remove the parking brake bellcrank and dust cover with the 2 bolts.

Torque: 13 N·m (130 kgf·cm, 9 ft·lbf)

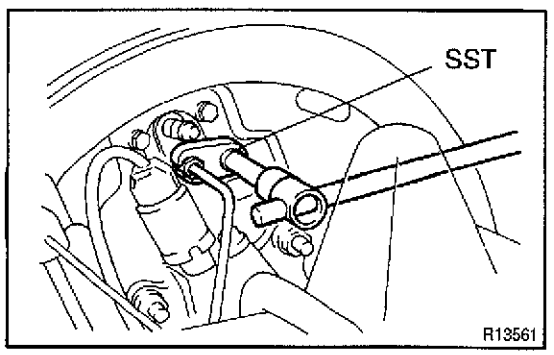
(e) Remove the bellcrank boot from the bellcrank bracket.





(f) Remove the C–washer and pin.

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



9. REMOVE WHEEL CYLINDER

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

SST 09023–00100

(b) Remove the 2 bolts and the wheel cylinder.

Torque: 10 N·m (100 kgf·cm, 7 ft·lbf)

10. DISASSEMBLE WHEEL CYLINDER

Remove these parts from the wheel cylinder

- 2 boots
- 2 pistons
- 2 piston cups
- Spring

BR0RN-01

INSPECTION

1. INSPECT DISASSEMBLED PARTS

Inspect the disassembled parts for wear, rust or damage.

2. MEASURE BRAKE DRUM INSIDE DIAMETER

(See step 2. on page BR–52)

Standard inside diameter: 295.0 mm (11.614 in.)

Maximum inside diameter: 297.0 mm (11.693 in.)

3. MEASURE BRAKE SHOE LINING THICKNESS

(See step 3. on page BR–52)

Standard thickness: 6.0 mm (0.236 in.)

Minimum thickness: 1.0 mm (0.039 in.)

4. INSPECT REAR BRAKE LINING AND DRUM FOR PROPER CONTACT

(See step 4. on page BR–52)

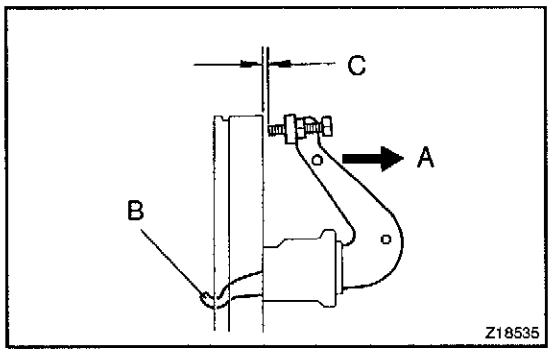
BR0FO-01

INSTALLATION

Installation is in the reverse order of removal.

NOTICE:

Apply lithium soap base glycol grease and high temperature grease to the parts indicated by the arrows (See page BR–54).



1. **ADJUST BELLCRANK**
   (a) Lightly pull the bellcrank to direction A until there is no slack at part B.
   (b) In this condition, turn the adjusting bolt so that dimension C will be 0.4 – 0.8 mm (0.016 – 0.031 in.).
   (c) Lock the adjusting bolt with the lock nut.
   (d) Connect the parking brake cable to the parking brake bellcrank and install the clip.
   (e) Install the tension spring.
2. **CHECK OPERATION OF AUTOMATIC ADJUSTING MECHANISM (See step 1. on page BR–53)**
3. **CHECK CLEARANCE BETWEEN BRAKE SHOES AND DRUM (See step 2. on page BR–53)**
   Shoe clearance: 0.6 mm (0.024 in.)
4. **FILL BRAKE RESERVOIR WITH BRAKE FLUID**
5. **BLEED BRAKE SYSTEM (See page BR–4)**
6. **CHECK FOR LEAKS**