FRONT BRAKE CALIPER (4WD and PRERUNNER)

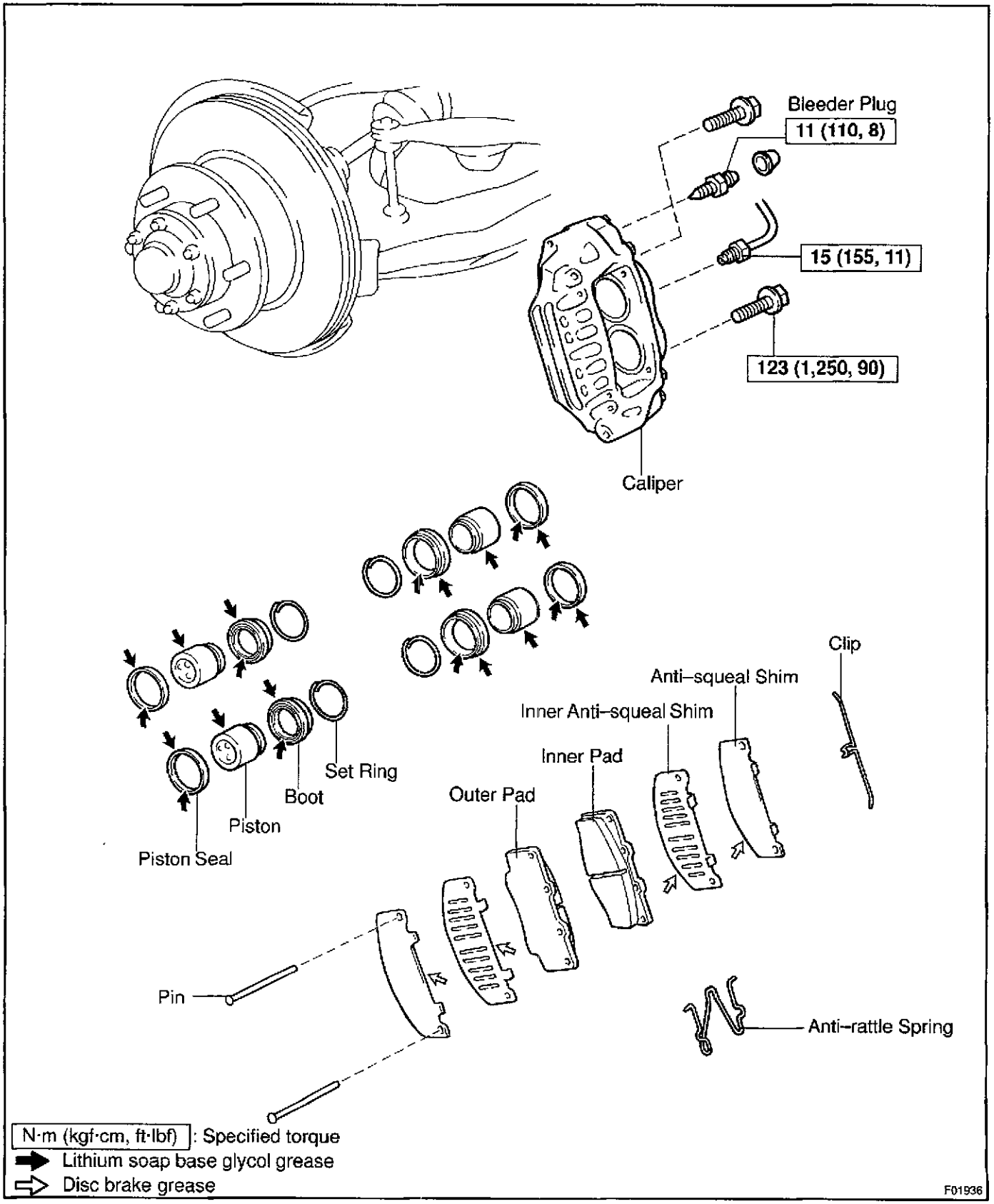
BH0FB-01

COMPONENTS

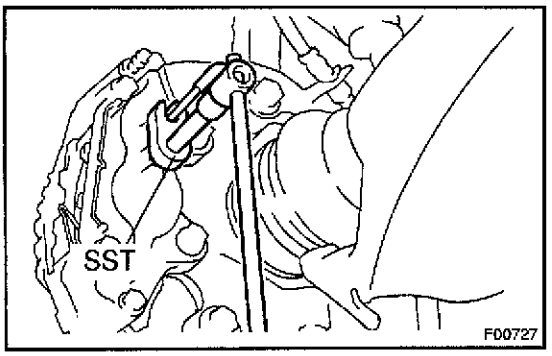
HINT:

Prerunner is the model described below.

RZN193L–PRMDK, LN191L–PRMDS



BR0FC-01



REMOVAL

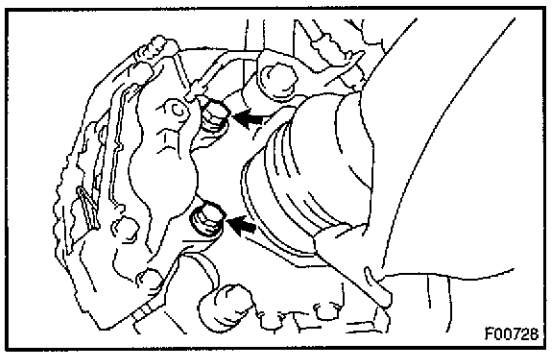
1. REMOVE FRONT WHEEL

2. DISCONNECT BRAKE LINE

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

SST 09023–00100

Torque: 15 N·m (155 kgf·cm, 11 ft·lbf)



3. REMOVE CALIPER

Remove the 2 mounting bolts and caliper.

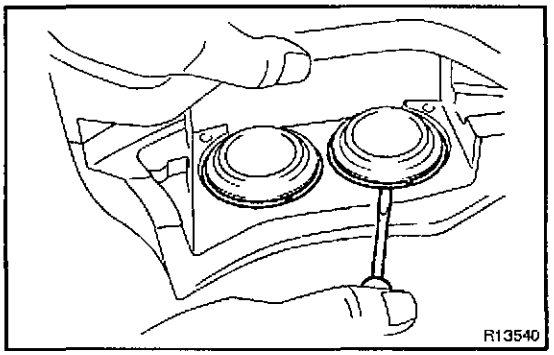
Torque: 123 N·m (1,250 kgf·cm, 90 ft·lbf)

4. REMOVE THESE PARTS:

- Clip
- 2 pins
- Anti–rattle spring
- 2 pads
- 4 anti–squeal shims

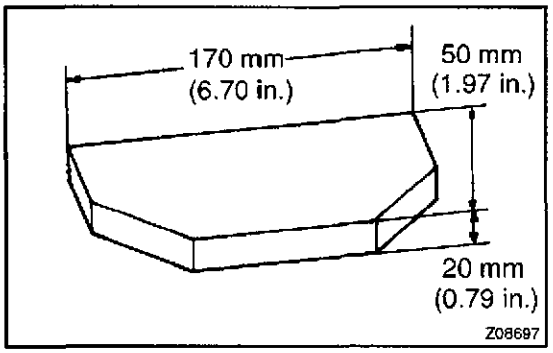
BR0F0-01

DISASSEMBLY



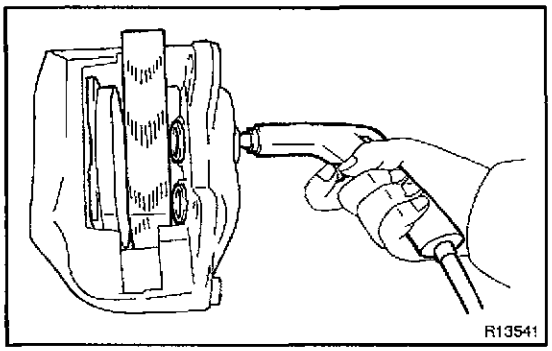
1. REMOVE CYLINDER BOOT SET RINGS AND BOOTS

Using a screwdriver, remove the 4 cylinder boot set rings and boots.



2. REMOVE PISTONS FROM CYLINDER

(a) Prepare the wooden plate to hold the pistons.

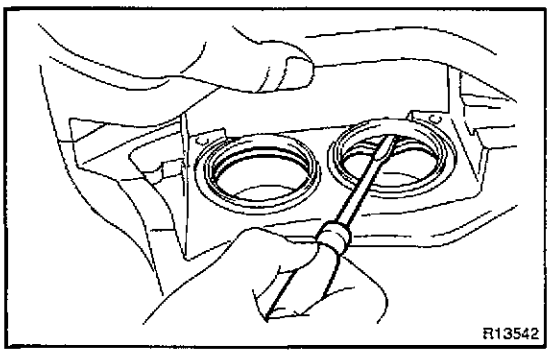


(b) Place the plate between the pistons and insert a pad in-between.

(c) Use compressed air to remove the pistons alternately from the cylinder.

CAUTION:

Do not place your fingers in front of the pistons when using compressed air.



3. REMOVE PISTON SEALS

Using a screwdriver, remove the 4 piston seals from the cylinder.

BR0FE-01

INSPECTION

1. **MEASURE PAD LINING THICKNESS**
   (See step 1. on page BR–40)
   Standard thickness: 9.5 mm (0.374 in.)
   Minimum thickness: 1.0 mm (0.039 in.)
2. **MEASURE DISC THICKNESS**
   (See step 2. on page BR–40)
   Standard thickness: 20.0 mm (0.787 in.)
   Minimum thickness: 18.0 mm (0.709 in.)
3. **MEASURE DISC RUNOUT**
   (See step 3. on page BR–40)
   Maximum disc runout: 0.07 mm (0.0028 in.)
4. **IF NECESSARY, REPLACE DISC**

(a) Remove the front axle hub with disc (See page SA–26).

(b) Install the new axle hub with disc and adjust the front bearing preload (See page SA–26).

BR0FF-01

REASSEMBLY

Reassembly is in the reverse order of disassembly (See page BR–45).

NOTICE:

Apply lithium soap base glycol grease to the parts indicated by the arrows (See page BR–43).

BR0FG–01

INSTALLATION

Installation is in the reverse order of removal (See page BR–44).

AFTER INSTALLATION, FILL BRAKE RESERVOIR WITH BRAKE FLUID, BLEED BRAKE SYSTEM (See page BR–4) AND CHECK FOR LEAKS