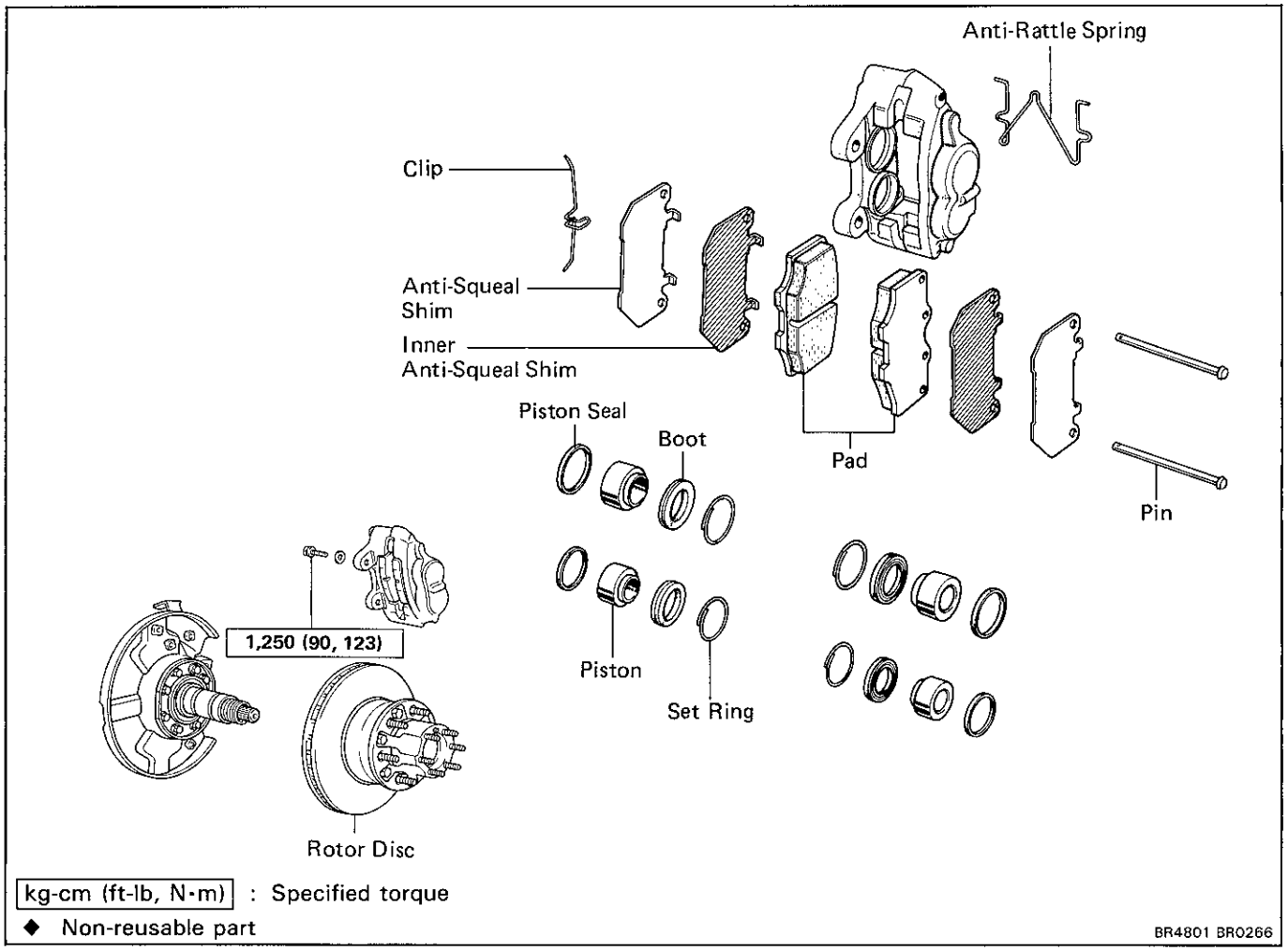
Disc Brake

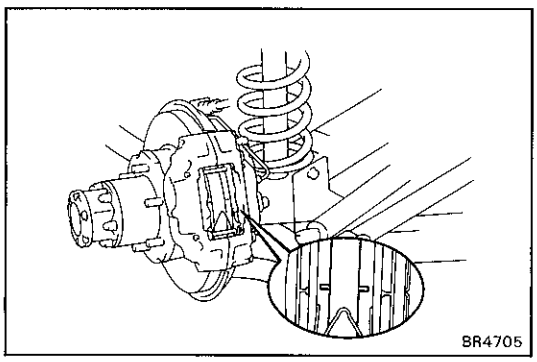
COMPONENTS



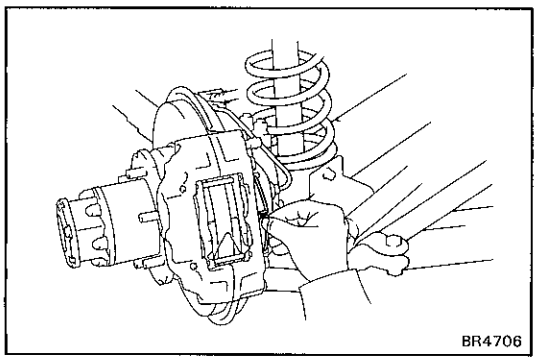
kg-cm (ft-lb, N·m) : Specified torque

◆ Non-reusable part

BR4801 BR0266



BR4705



BR4706

REPLACEMENT OF BRAKE PADS

1. REMOVE FRONT WHEEL

2. INSPECT PAD LINING THICKNESS

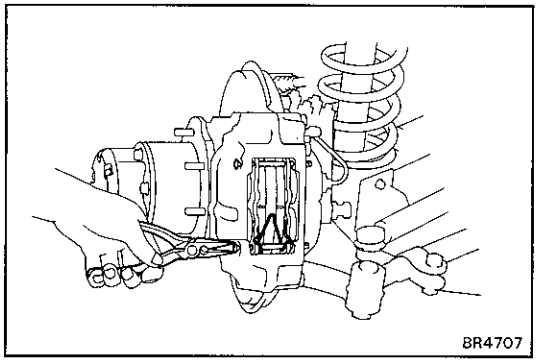
Check the pad thickness through the cylinder inspection hole and replace pads if not within specification.

Minimum thickness

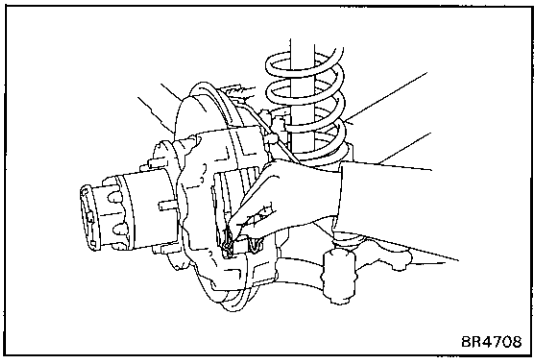
Except Australia:	**1.0 mm (0.039 in.)**
Australia:	**4.0 mm (0.157 in.)**

3. REMOVE FOLLOWING PARTS

(a) Anti-rattle clip



(b) Two pins



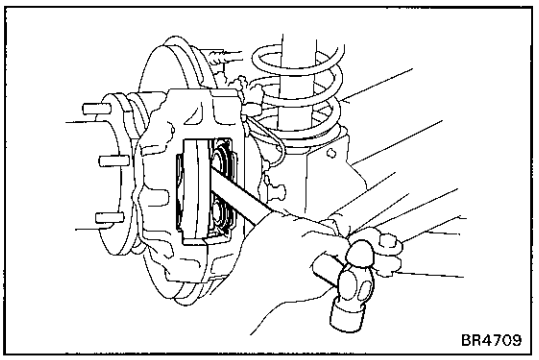
(c) Anti-rattle spring

(d) Two pads

(e) Four anti-squeal shims

4. CHECK ROTOR DISC THICKNESS
(See page BR-73)

5. CHECK ROTOR DISC RUNOUT
(See page BR-73)

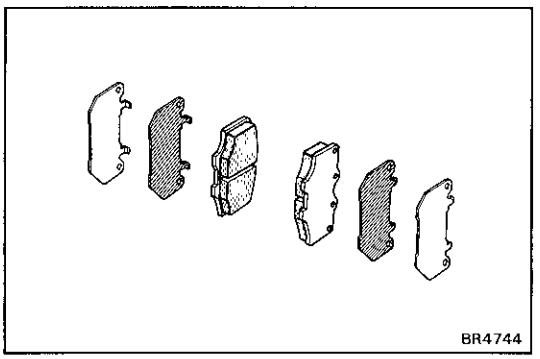


6. INSTALL NEW PADS

(a) Draw out a small amount of brake fluid from the reservoir.

(b) Press in the piston with a hammer handle or an equivalent.

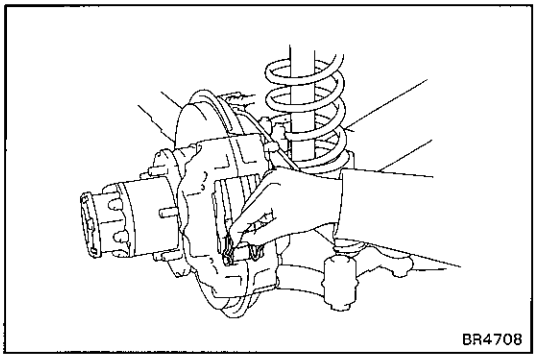
HINT: Always change the pad on one wheel at a time as there is possibility of the opposite piston flying out.



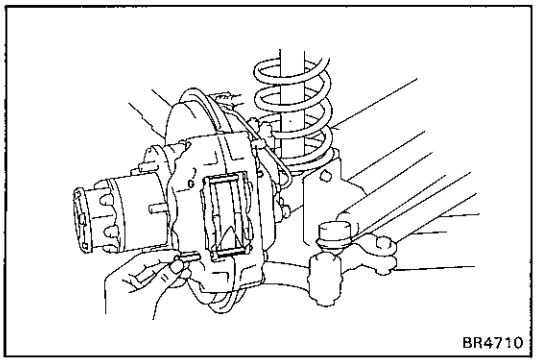
(c) Install the four anti-squeal shims to new pads as shown.

(d) Install the new pads into the cylinder.

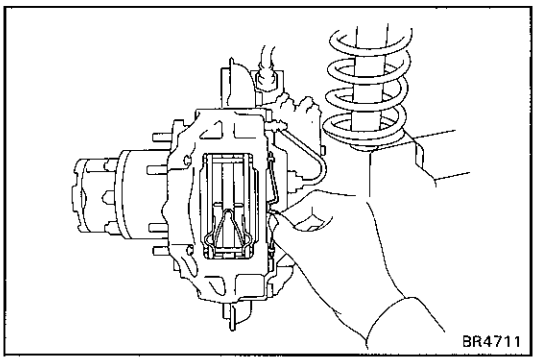
NOTICE: Do not allow oil or grease to get on the rubbing face.



7. INSTALL ANTI-RATTLE SPRING



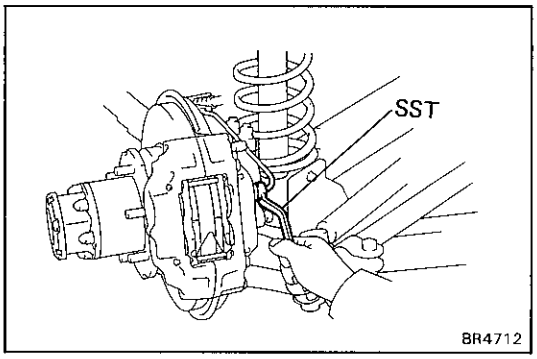
8. **INSTALL TWO PINS**



9. **INSTALL ANTI-RATTLE CLIP**

REMOVAL OF CYLINDER

(See page BR-69)



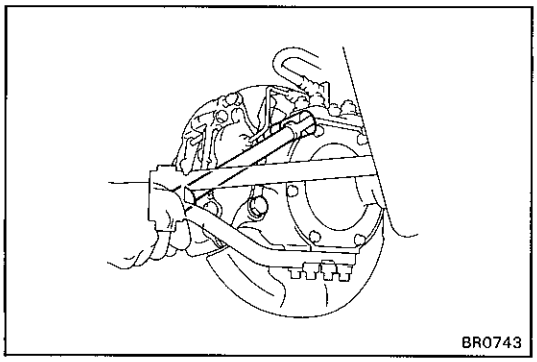
1. **REMOVE FRONT WHEEL**

2. **DISCONNECT BRAKE TUBE**

   Using SST, disconnect the brake tube.

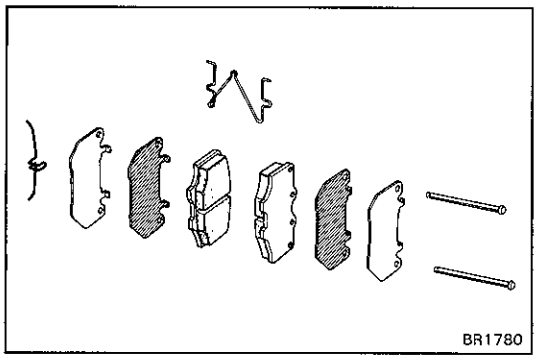
   Use a container to catch the brake fluid.

   SST 09751-36011



3. **REMOVE CYLINDER**

   Remove the two mounting bolts and cylinder.



4. **REMOVE FOLLOWING PARTS**

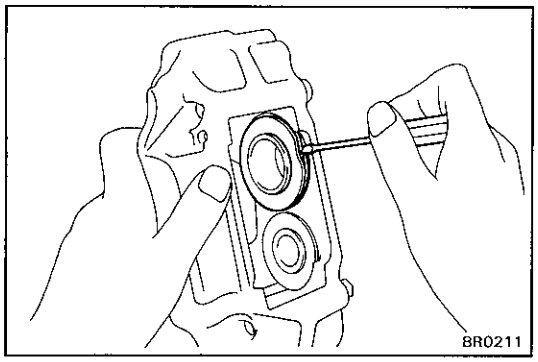
   (a) Anti-rattle clip

   (b) Two pins

   (c) Anti-rattle spring

   (d) Two pads

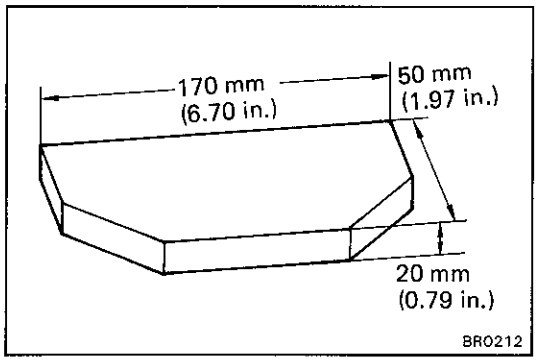
   (e) Four anti-squeal shims



DISASSEMBLY OF CYLINDER

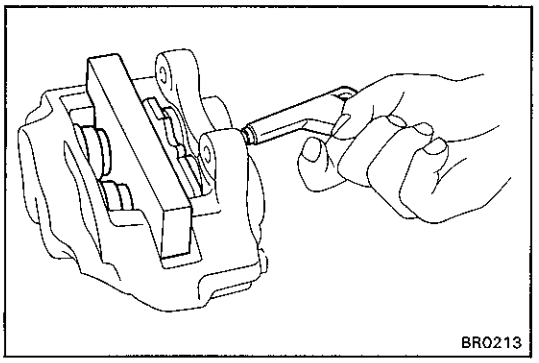
1. REMOVE CYLINDER BOOT SET RINGS AND BOOTS

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



2. REMOVE PISTON FROM CYLINDER

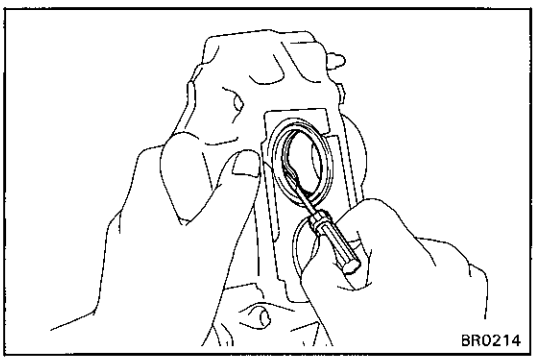
(a) Prepare the wooden plate as shown in the illustration to hold the piston.



(b) Place the plate between the pistons and insert a pad at one side.

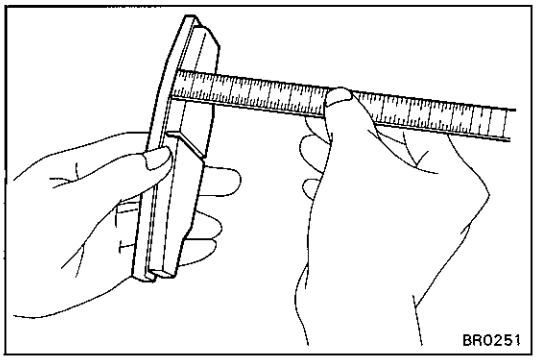
(c) Use compressed air to remove the pistons alternately from the cylinder.

CAUTION: Do not place your fingers in front of the piston when using compressed air.



3. REMOVE PISTON SEALS

Using a screwdriver, remove the seals from the cylinder.



INSPECTION AND REPAIR OF FRONT BRAKE COMPONENTS

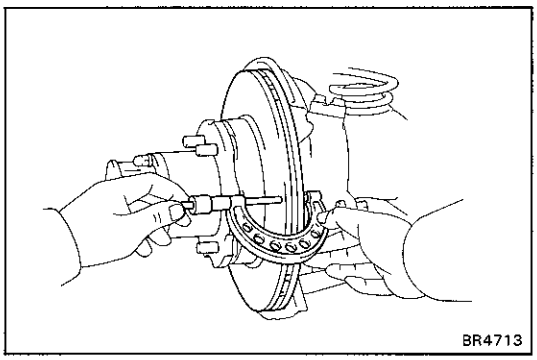
1. MEASURE PAD LINING THICKNESS

Minimum thickness:

Except Australia:	**1.0 mm (0.039 in.)**
Australia:	**4.0 mm (0.157 in.)**

Standard thickness: **9.5 mm (0.374 in.)**

Replace the pad if the thickness is less than the minimum (the 1.0 mm slit is no longer visible) or if it shows signs of uneven wear.



2. MEASURE ROTOR DISC THICKNESS

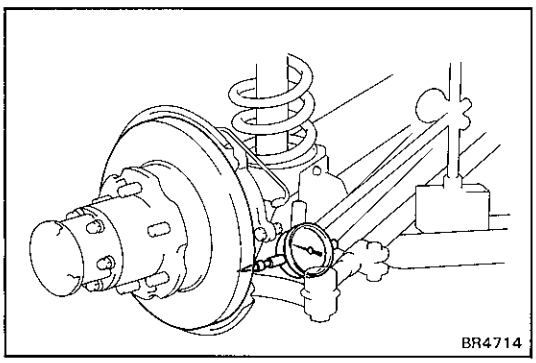
Minimum thickness:

Light-Duty Rear Drum:	**11.5 mm (0.453 in.)**
Except above model:	**18.0 mm (0.709 in.)**

Standard thickness:

Light-Duty Rear Drum:	**12.5 mm (0.492 in.)**
Except above model:	**20.0 mm (0.787 in.)**

If the disc is scored or worn, or if its thickness is less than minimum, repair or replace.



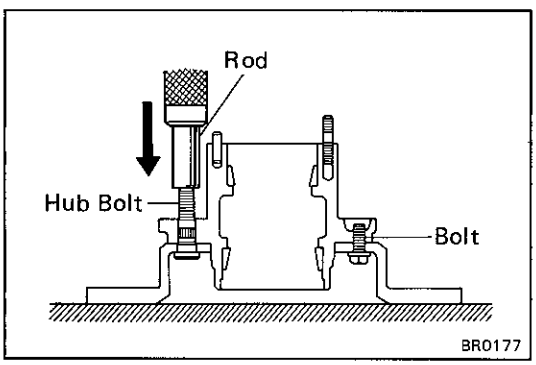
3. MEASURE ROTOR DISC RUNOUT

Measure the rotor disc runout at 10 mm (0.39 in.) from the outer edge of the rotor disc.

Maximum disc runout: 0.15 mm (0.0059 in.)

If the runout is greater than the maximum, replace the disc.

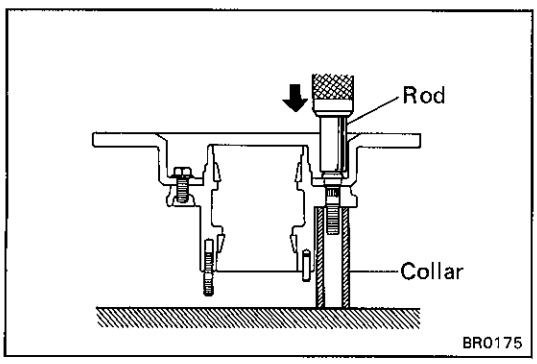
HINT: Before measuring the runout, confirm that the front bearing play is within specification.



4. IF NECESSARY, REPLACE ROTOR DISC

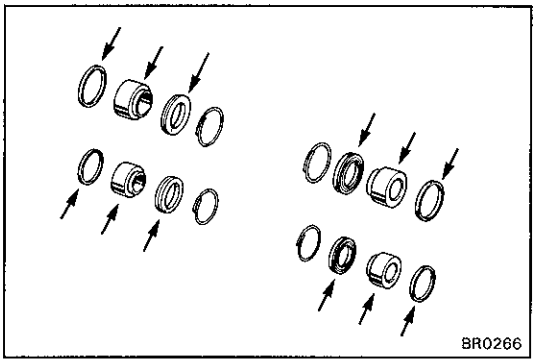
(a) Remove the axle hub.

(b) Using rod, press the hub bolts out of the axle hub.



(c) Using a collar and rod, press the hub bolts into the hub.

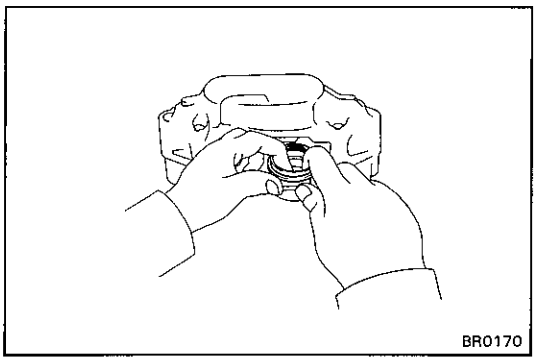
(d) Install the axle hub and adjust the front bearing preload.



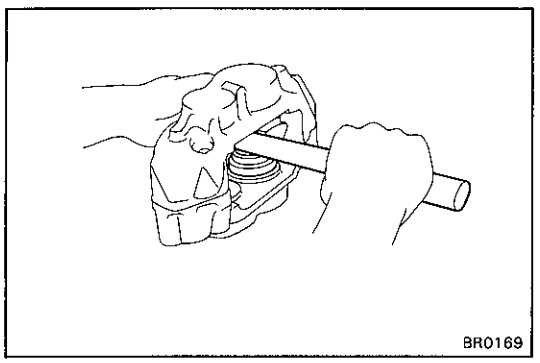
ASSEMBLY OF CYLINDER

(See page BR-69)

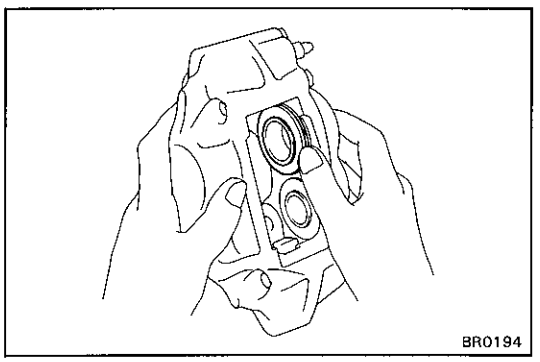
1. APPLY LITHIUM SOAP BASE GLYCOL GREASE TO PARTS INDICATED BY ARROWS



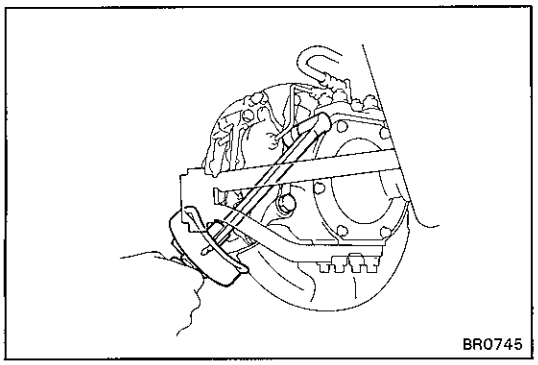
2. INSTALL PISTON SEALS IN CYLINDER



3. INSTALL PISTONS IN CYLINDER



4. INSTALL CYLINDER BOOTS AND SET RINGS IN CYLINDER



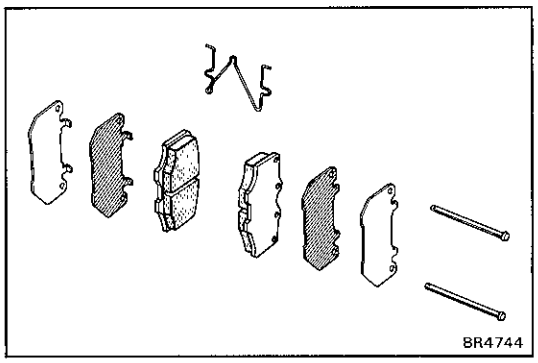
INSTALLATION OF CYLINDER

(See page BR-69)

1. **INSTALL CYLINDER**

   Install and torque the mounting bolts.

   Torque: 1,250 kg-cm (90 ft-lb, 123 N·m)



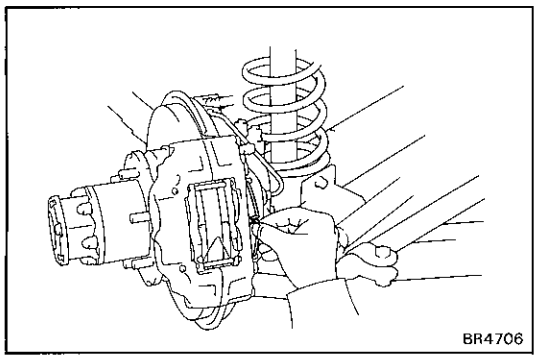
2. **INSTALL FOLLOWING PARTS**

   Before install the pads, install the four anti-squeal shims to the pads as shown.

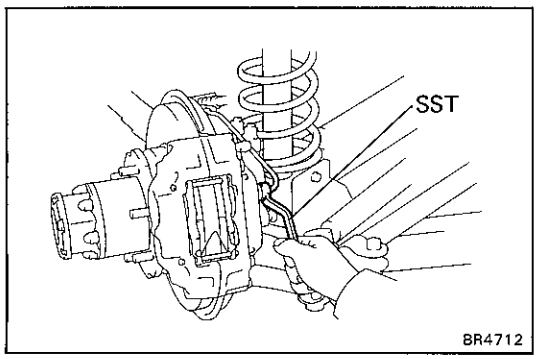
   (a) Two pads

   (d) Anti-rattle spring

   (c) Two pins



   (d) Anti-rattle clip



3. **CONNECT BRAKE TUBE**

   Using SST, connect the brake tube.

   SST 09751-36011

   Torque: 155 kg-cm (11 ft-lb, 15 N·m)

4. **FILL BRAKE RESERVOIR WITH BRAKE FLUID AND BLEED BRAKE SYSTEM**

   (See page BR-7)

5. **CHECK FOR FLUID LEAKAGE**

6. **INSTALL FRONT WHEEL**