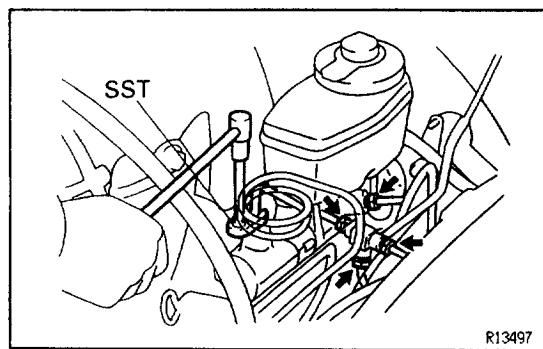
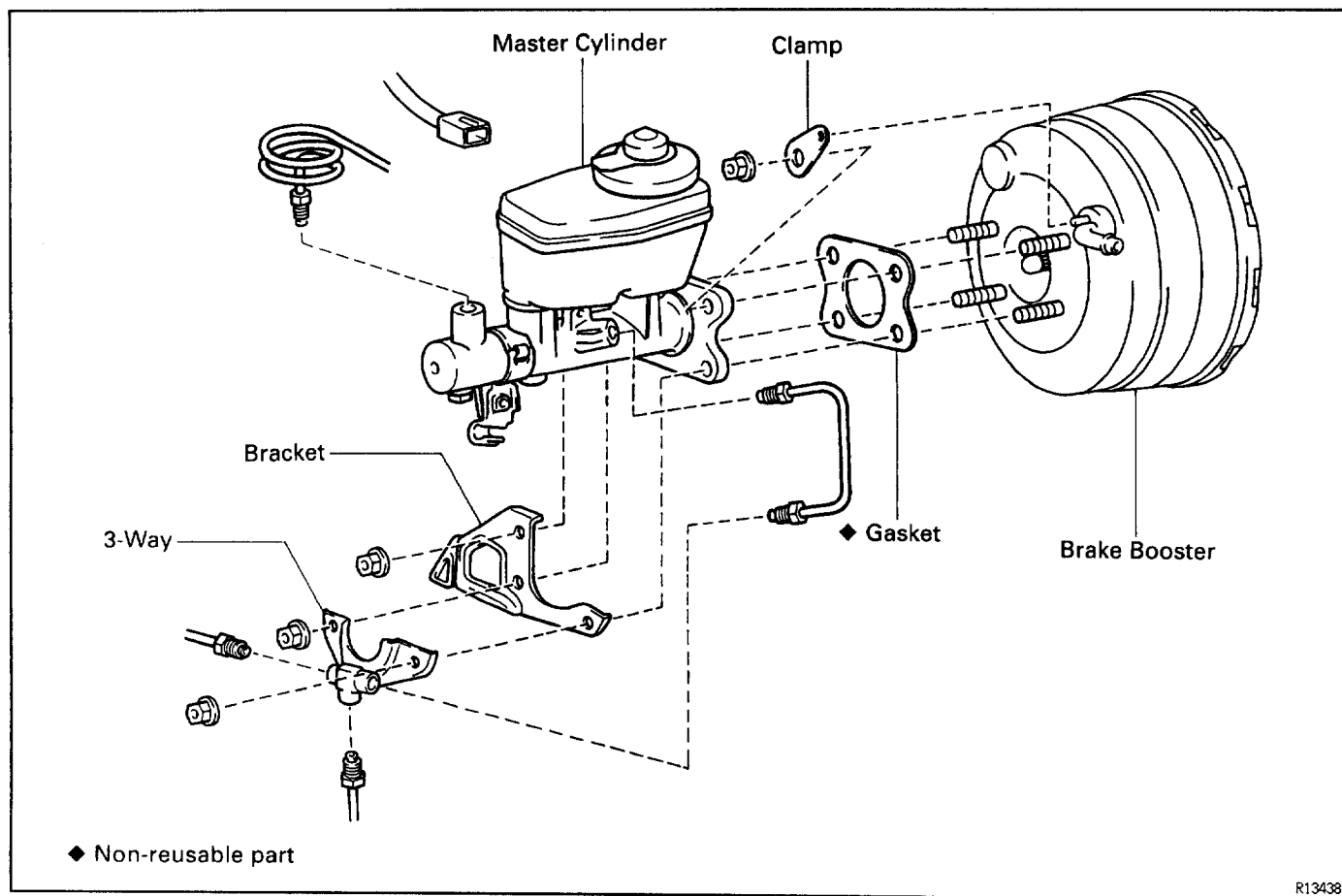
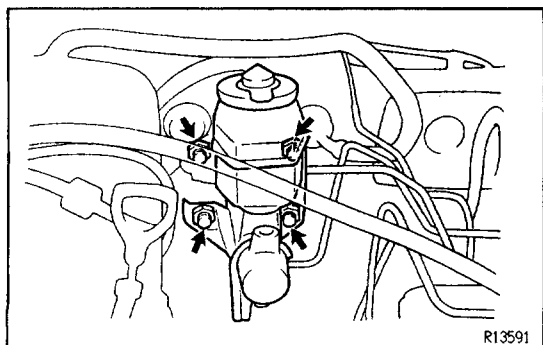


MASTER CYLINDER

MASTER CYLINDER REMOVAL

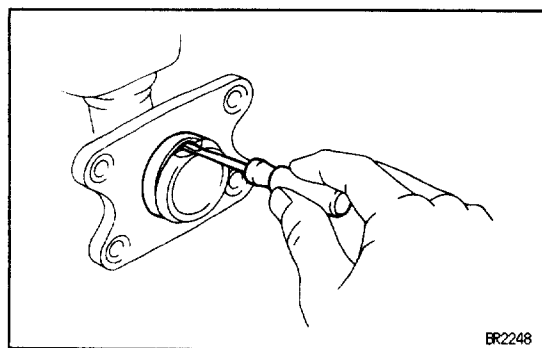
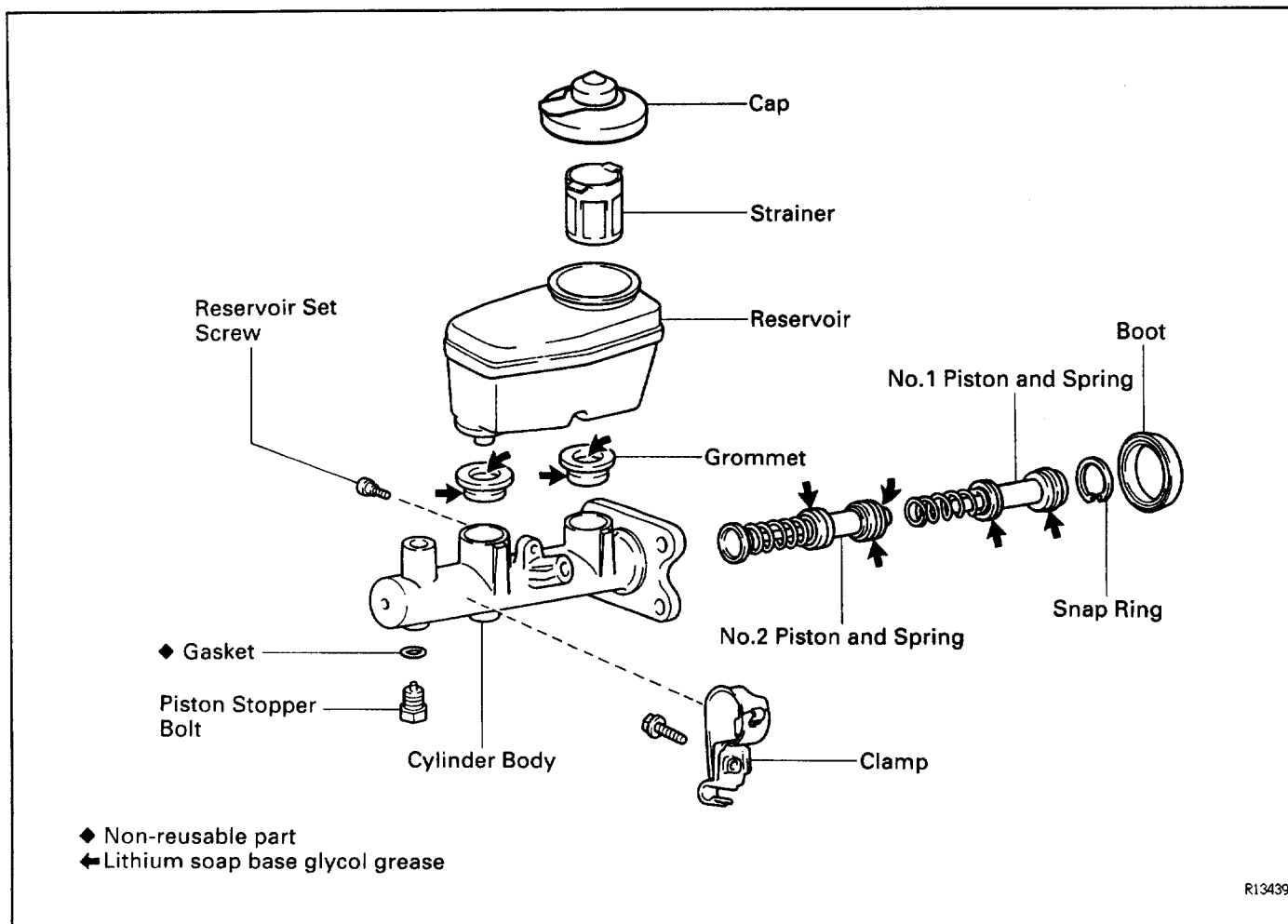


1. **DISCONNECT LEVEL WARNING SWITCH CONNECTOR**
2. **TAKE OUT FLUID WITH SYRINGE**
NOTICE: Do not let brake fluid remain on a painted surface. Wash it off immediately.
3. **DISCONNECT BRAKE LINES**
 Using SST, disconnect brake lines from the master cylinder and 3-way.
 SST 09023-00100



4. **REMOVE MASTER CYLINDER**
 - (a) Remove the mounting nuts.
 - (b) Remove the 3-way, clamp and bracket.
 - (c) Pull out the master cylinder and gasket.

COMPONENTS



MASTER CYLINDER DISASSEMBLY

Assembly is in the reverse order of disassembly.

ASSEMBLY NOTICE: Apply lithium soap base glycol grease to the rubber parts indicated by arrows (See COMPONENTS).

1. REMOVE MASTER CYLINDER BOOT

Using a screwdriver, remove the master cylinder boot.

ASSEMBLY HINT: With the UP mark on the master cylinder boot facing upwards, install the cylinder boot on the master cylinder.

2. REMOVE RESERVOIR CAP AND STRAINER

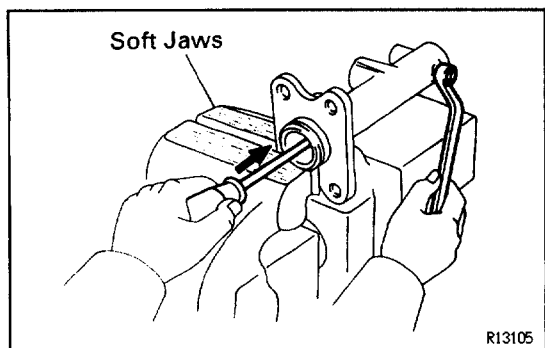
3. REMOVE RESERVOIR

Remove the set screw and pull out the reservoir.

Torque: 1.7 N·m (17.5 kgf·cm, 15.2 in·lbf)

4. REMOVE 2 GROMMETS

5. PLACE CYLINDER IN VISE

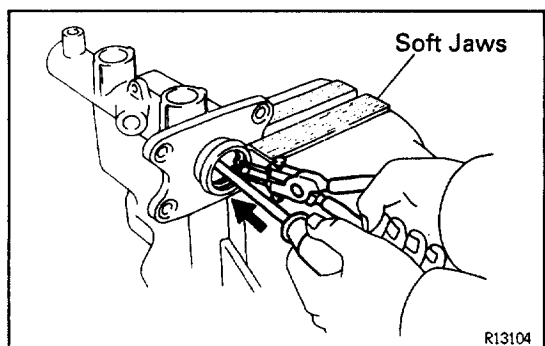


6. REMOVE NO.2 PISTON STOPPER BOLT

Using a screwdriver, push the pistons in all the way and remove the No.2 piston stopper bolt and gasket.

HINT: Tape the screwdriver tip before use.

Torque: 10 N·m (100 kgf·cm, 7 ft·lbf)



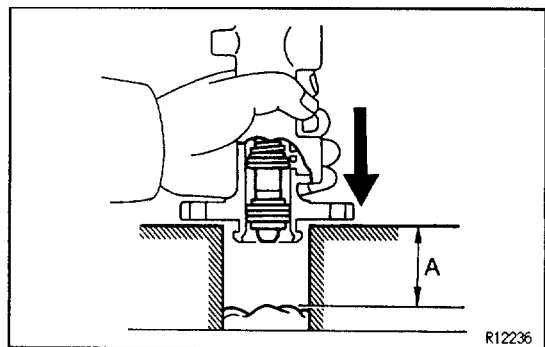
7. REMOVE PISTONS

(a) Push in the piston with a screwdriver and remove the snap ring with snap ring pliers.

(b) Remove the No.1 piston and spring by hand, pulling straight out, not at an angle.

NOTICE: If pulled out and installed at an angle, there is a possibility that the cylinder bore could be damaged.

HINT: Tape the screwdriver tip before use.



(c) Place a rag and 2 wooden blocks on the work table and lightly tap the cylinder flange against the blocks until the No.2 piston drops out of the cylinder.

HINT: Make sure the distance (A) from the rag to the top of the blocks is at least 100 mm (3.94 in.).

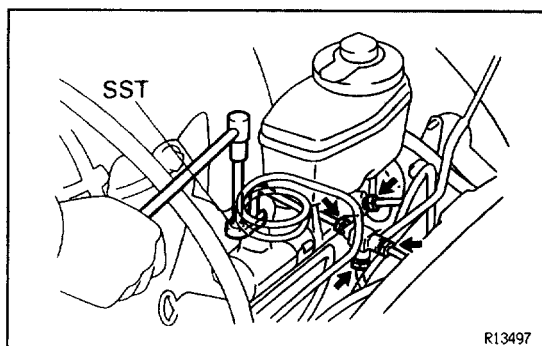
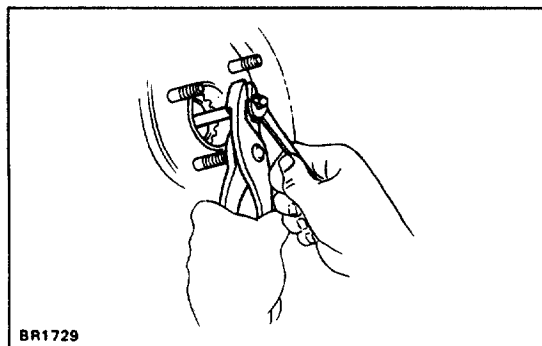
MASTER CYLINDER INSPECTION

HINT: Clean the disassembled parts with compressed air.

1. **INSPECT CYLINDER BORE FOR RUST OR SCORING**

2. **INSPECT CYLINDER FOR WEAR OR DAMAGE**

If necessary, clean or replace the cylinder.



MASTER CYLINDER INSTALLATION

1. ADJUST LENGTH OF BRAKE BOOSTER PUSH ROD BEFORE INSTALLING MASTER CYLINDER

(See page [BR-14](#))

2. INSTALL MASTER CYLINDER

(a) Install the master cylinder, gasket, 3-way, clamp and bracket on the brake booster with the 4 nuts.

(b) Tighten the mounting nuts.

Torque: 13 N·m (130 kgf·cm, 9 ft·lbf)

3. CONNECT BRAKE LINES

Using SST, connect the brake lines to the master cylinder and 3-way. Torque the union nuts.

SST 09023-00100

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

4. CONNECT LEVEL WARNING SWITCH CONNECTOR

5. FILL BRAKE RESERVOIR WITH BRAKE FLUID AND BLEED BRAKE SYSTEM

(See page [BR-6](#))

6. CHECK FOR LEAKS

7. CHECK AND ADJUST BRAKE PEDAL

(See page [BR-5](#))