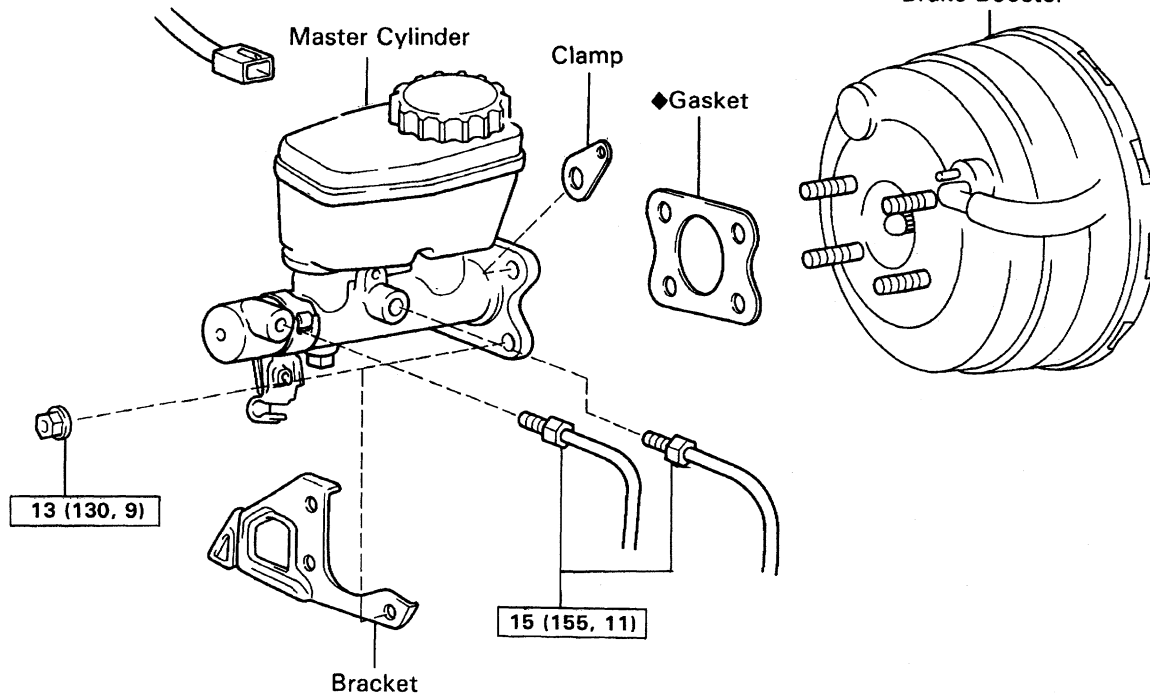


MASTER CYLINDER

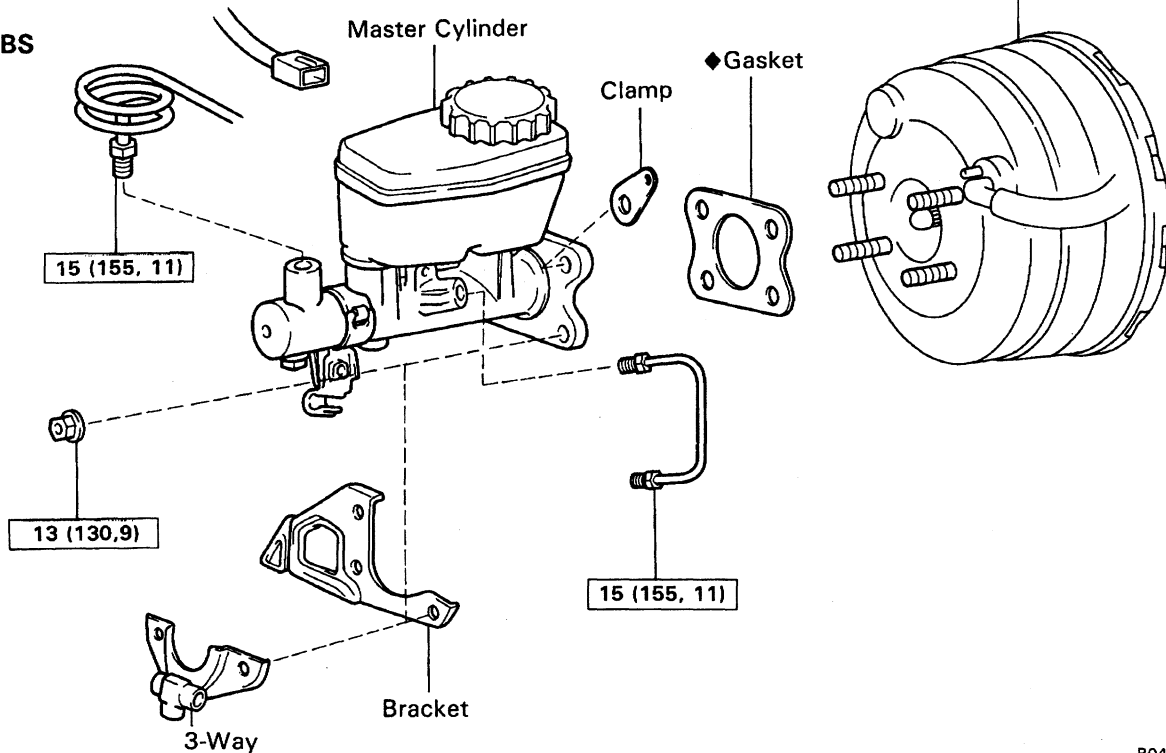
MASTER CYLINDER REMOVAL

BR01F-07

w/o ABS



w/ ABS

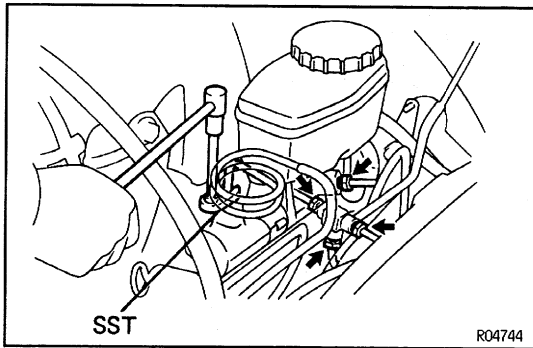


N·m (kgf·cm, ft·lbf) : Specified torque

◆ Non-reusable part

R04762
R04761

Z04737

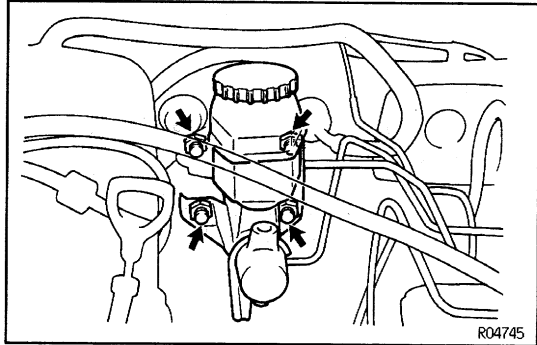
**1. DISCONNECT LEVEL WARNING SWITCH CONNECTOR****2. TAKE OUT FLUID WITH SYRINGE**

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.

SST 09023-00100

**4. REMOVE MASTER CYLINDER**

(a) Remove the mounting nuts.

(b) w/ABS:

Remove the 3-way, clamp and the bracket.

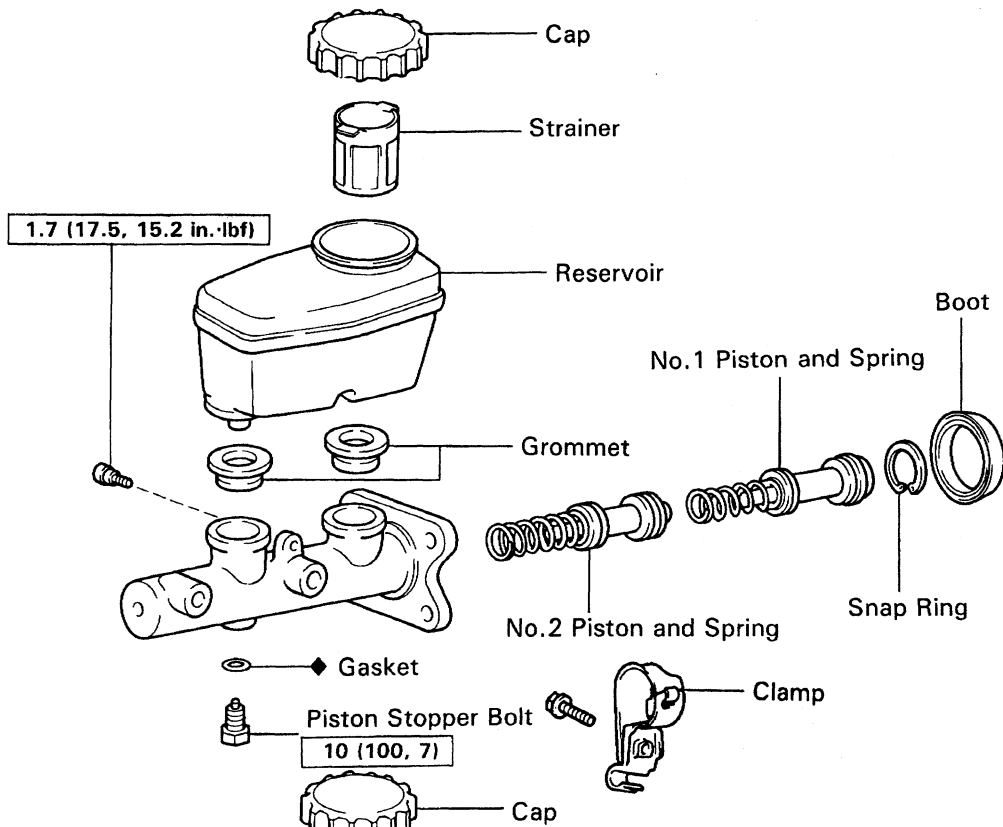
w/o ABS:

Remove the clamp and the bracket.

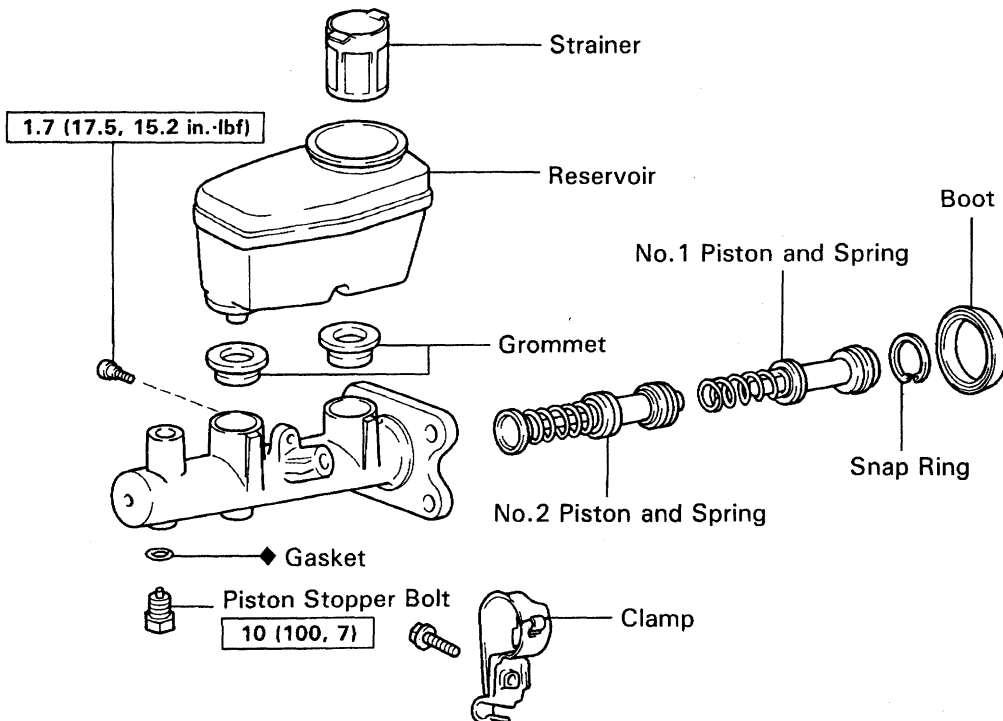
(c) Pull out the master cylinder and gasket.

COMPONENTS

w/o ABS



w/ ABS

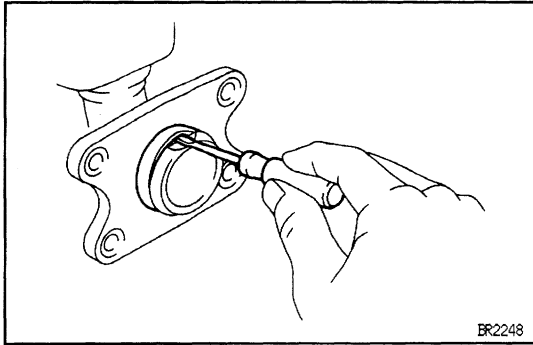


N·m (kgf·cm, ft·lbf) : Specified torque

◆ Non-reusable part

R04763
R04764

Z04736

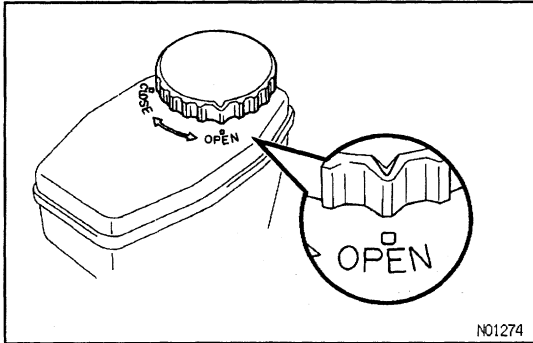


BR2248

MASTER CYLINDER DISASSEMBLY

1. REMOVE MASTER CYLINDER BOOT

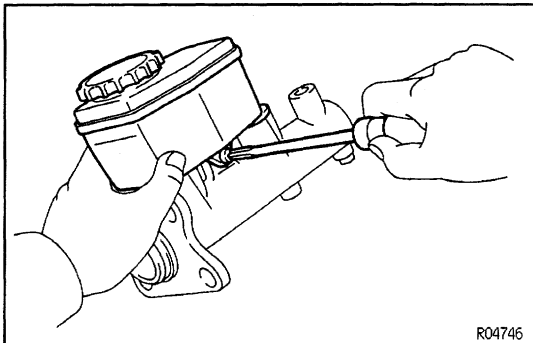
Using a screwdriver, remove the master cylinder boot.



N01274

2. REMOVE RESERVOIR CAP AND STRAINER

- (a) Turn the reservoir cap to the "open" side and remove it.
- (b) Remove the strainer.



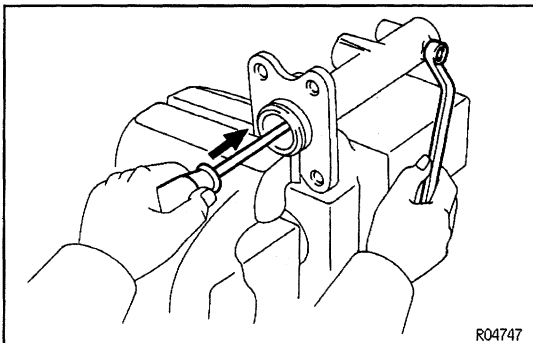
R04746

3. REMOVE RESERVOIR

Remove the set screw and pull out the reservoir.

4. REMOVE 2 GROMMETS

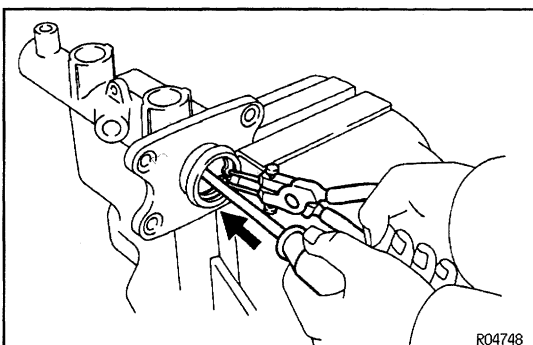
5. PLACE CYLINDER IN VISE



R04747

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.

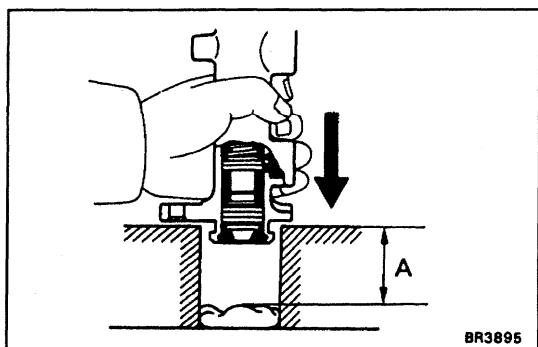


R04748

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 at an angle, there is a possibility that the cylinder bore could be damaged.



- (c) Place a rag and 2 wooden blocks on the work table and lightly tap the cylinder flange against the blocks and 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.).

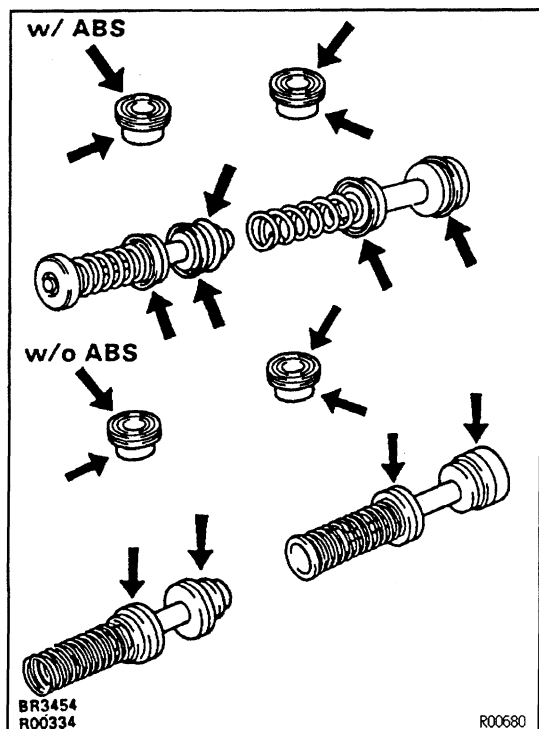
MASTER CYLINDER INSPECTION

BR01J-03

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 ASSEMBLY

BR01K-04

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

2. INSTALL PISTONS

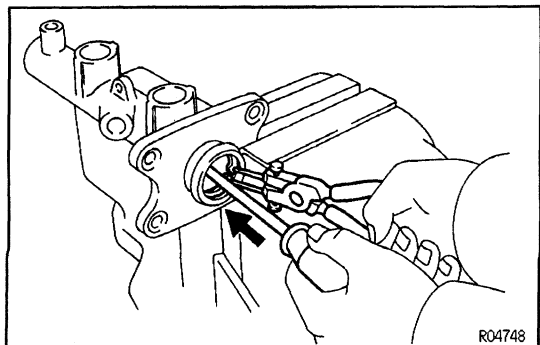
NOTICE: Be careful not to damage the rubber lips on the pistons.

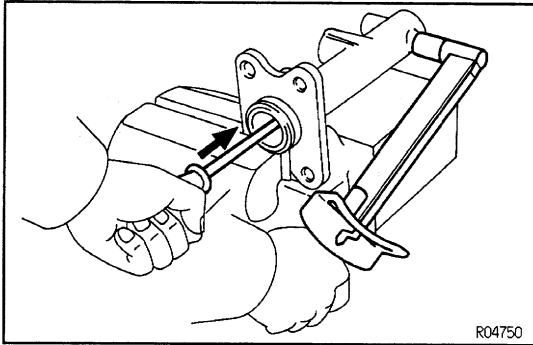
- (a) Install the 2 springs and pistons straight in, not at an angle.

NOTICE: If insert at an angle, there is a possibility of damaging the cylinder bore.

- (b) Push in the piston with a screwdriver and install the snap ring with snap ring pliers.

HINT: Tape the screwdriver tip before use.



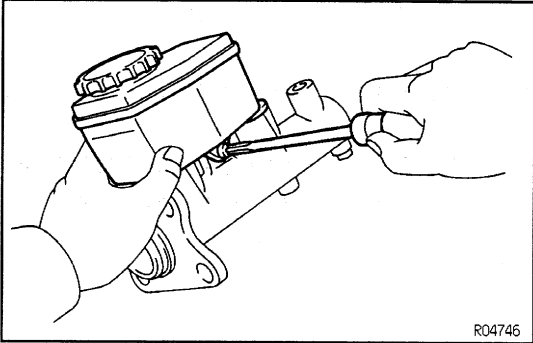


R04750

3. INSTALL No.2 PISTON STOPPER BOLT

Using a screwdriver, push the piston in all the way and install the No.2 piston stopper bolt over a new gasket.

Torque: 10 N-m (100 kgf-cm, 7 ft-lbf)



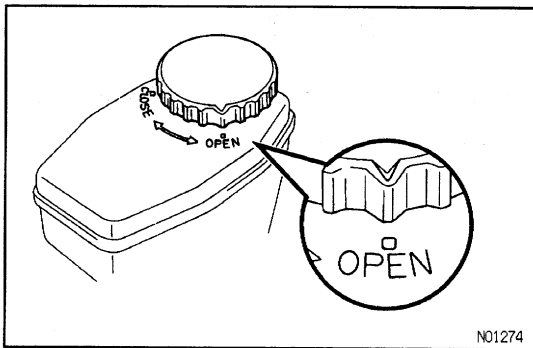
R04746

4. INSTALL 2 GROMMETS

5. INSTALL RESERVOIR

- (a) Install the strainer to the reservoir.
- (b) Push the reservoir onto the cylinder.
- (c) Install the set screw while pushing on the reservoir.

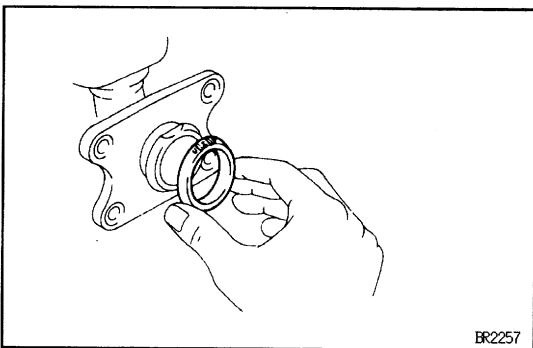
Torque: 1.7 N-m (17.5 kgf-cm, 15.2 in..lbf)



N01274

6. INSTALL RESERVOIR CAP

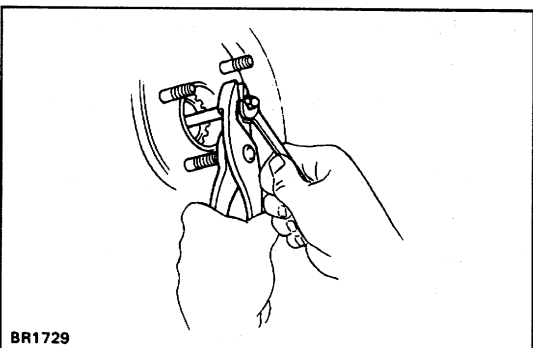
- (a) Align the matchmark on the reservoir cap with the matchmark on the "open" side of reservoir.
- (b) Push down on the reservoir cap and turn it clockwise until it locks.
- (c) Check that the matchmark on the reservoir cap is now aligned with the matchmark on the "close" side of the reservoir.



BR2257

7. INSTALL MASTER CYLINDER BOOT

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



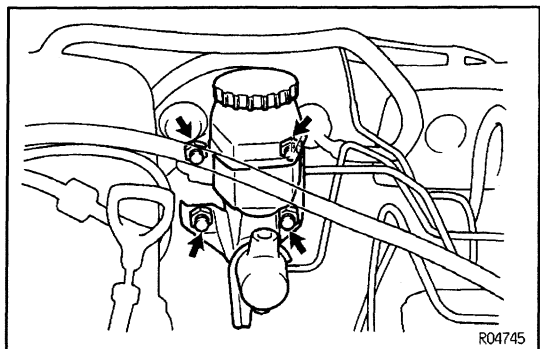
BR1729

BR01L-07

MASTER CYLINDER INSTALLATION

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

(See page [BR-19](#))



2. INSTALL MASTER CYLINDER

(a) w/ ABS:

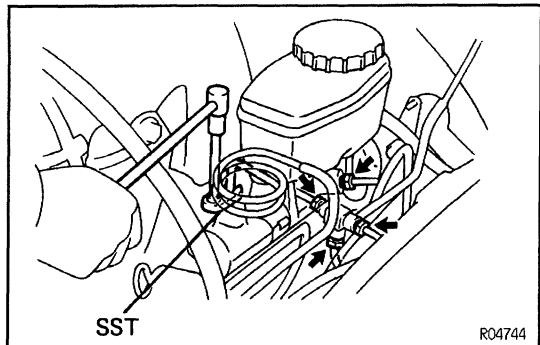
Install the master cylinder, gasket, 3-way, clamp and bracket on the brake booster with the 4 nuts.

w/o ABS:

Install the master cylinder, gasket, 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. 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-8](#))

6. CHECK FOR LEAKS

7. CHECK AND ADJUST BRAKE PEDAL

(SEE PAGE [BR-7](#))