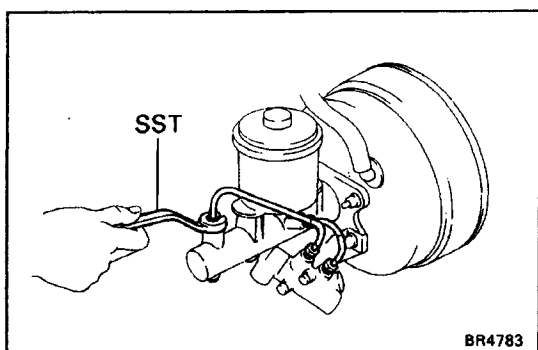
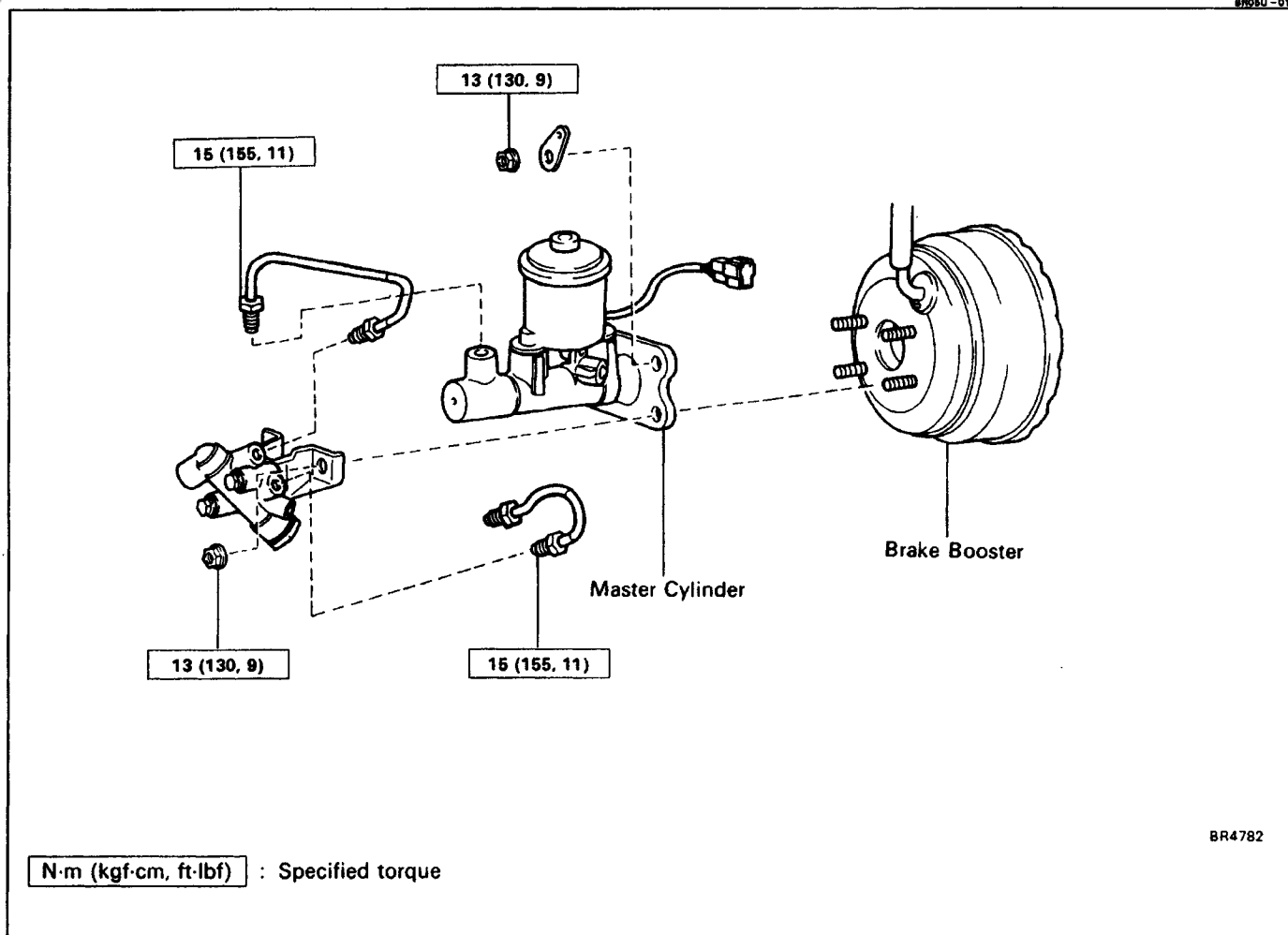


MASTER CYLINDER

BR08U-01



MASTER CYLINDER REMOVAL

1. DISCONNECT LEVEL WARNING SWITCH CONNECTOR

2. DRAW OUT FLUID WITH SYRINGE

NOTICE: Do not let brake fluid remain on a painted surface. Wash it off immediately.

3. DISCONNECT BRAKE TUBES

Using SST, disconnect the brake tubes from the master cylinder.

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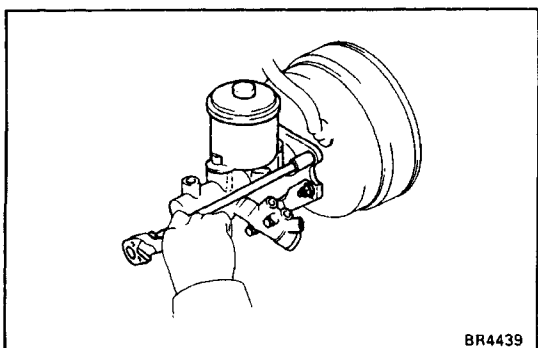
4. REMOVE MASTER CYLINDER

(a) Remove the four nuts.

(b) (w/ABS)

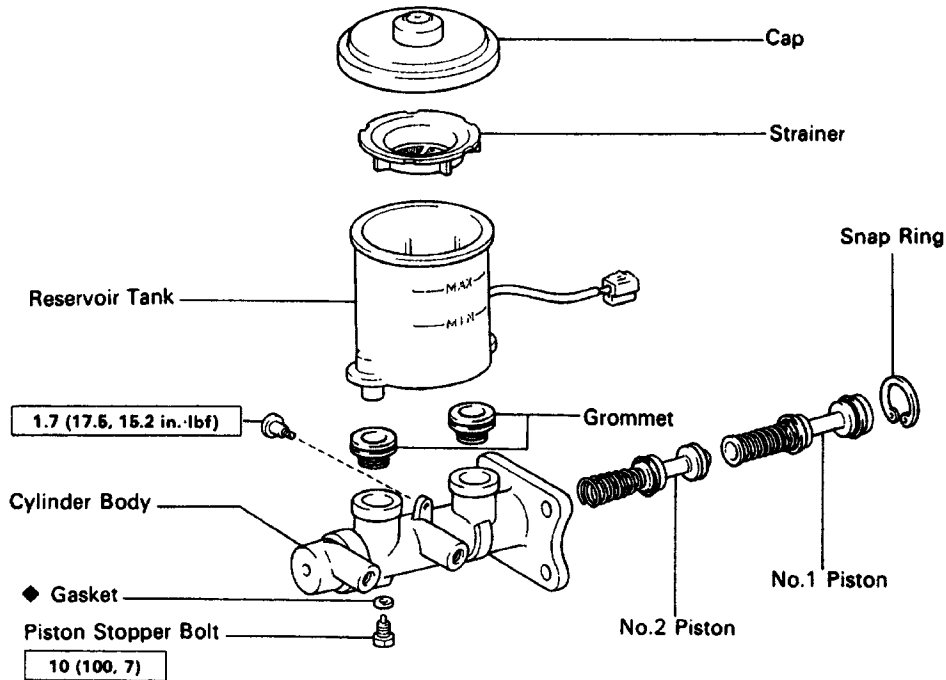
Remove the P valve with the P valve bracket.

(c) Remove the master cylinder.

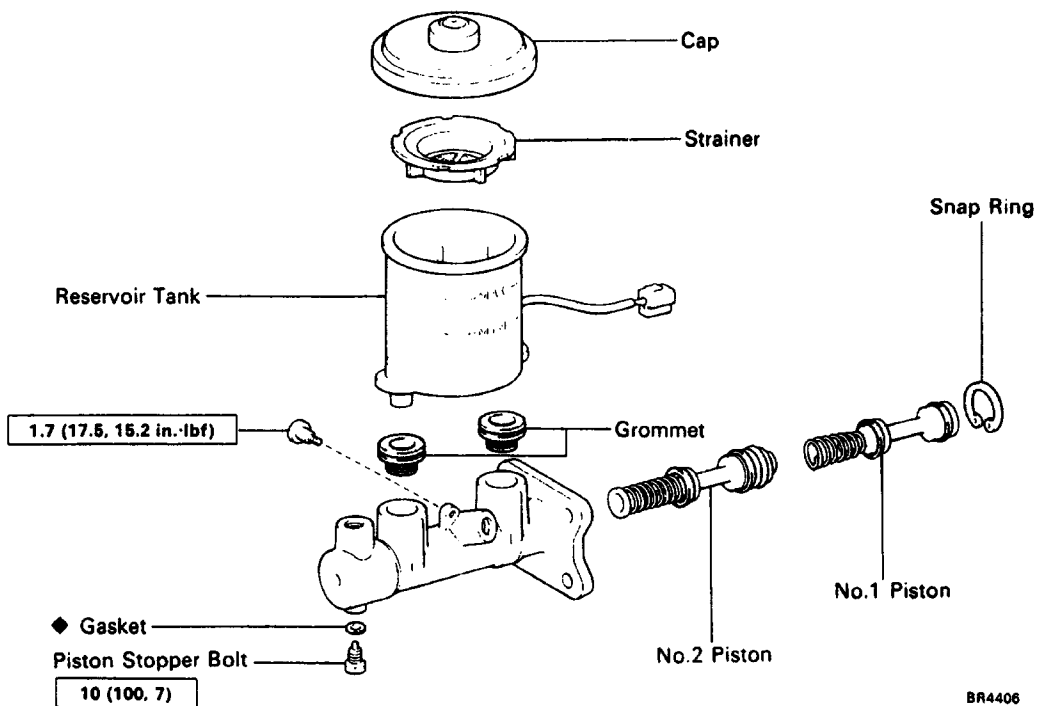


COMPONENTS

w/o ABS

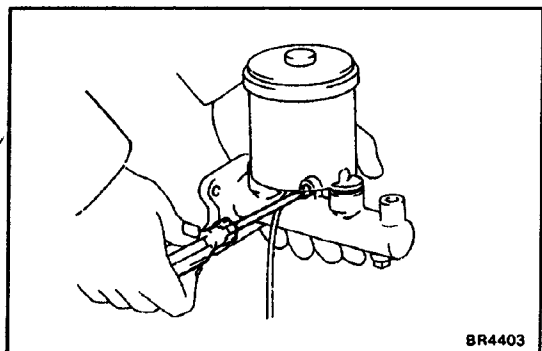


w/ ABS

BR4406
BR4407

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

◆ Non-reusable part



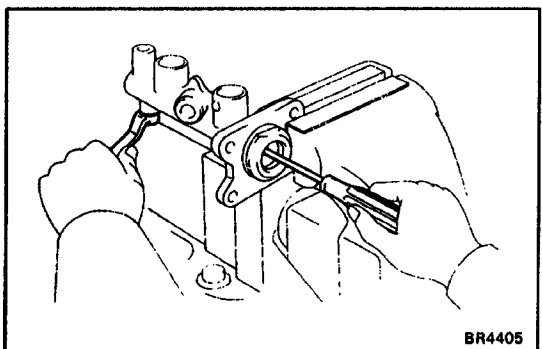
MASTER CYLINDER DISASSEMBLY ^{BR05W-01}

1. REMOVE RESERVOIR TANK

- (a) Remove the set screw and pull out the reservoir tank.
- (b) Remove the cap and strainer from the reservoir tank.

2. REMOVE TWO GROMMETS

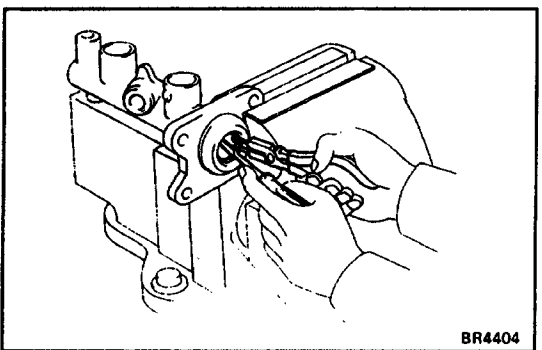
3. PLACE CYLINDER IN VISE



4. REMOVE PISTON STOPPER BOLT

Using a screwdriver, push the pistons in all the way and remove the piston stopper bolt and gasket.

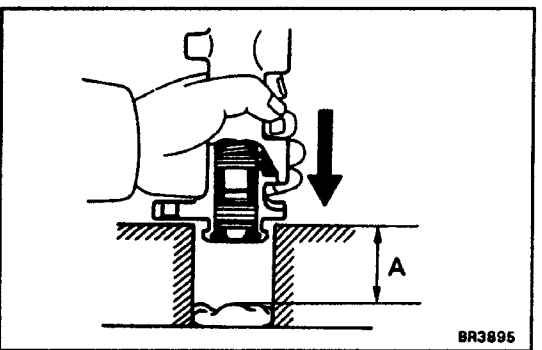
HINT: Tape the screwdriver tip before use.



5. REMOVE TWO 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 possibility that the cylinder bore could be damaged.



- (c) Place a rag and two wooden blocks on the work table and lightly tap the cylinder flange against the block edges until the piston drops out of the cylinder.

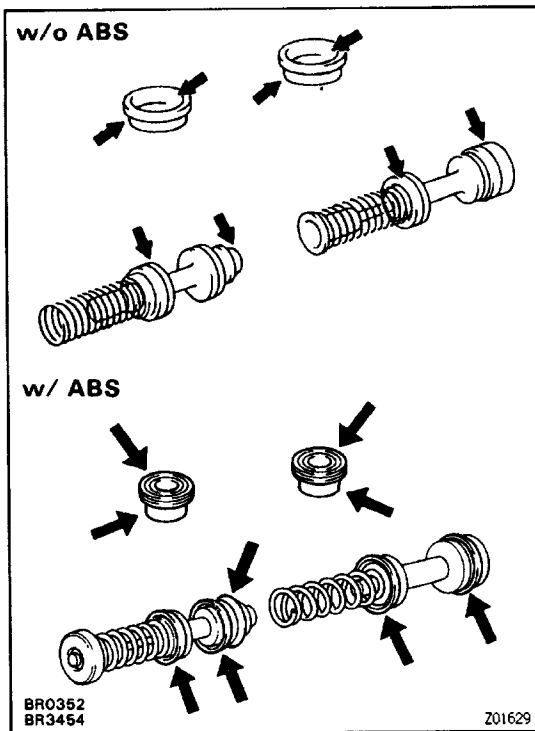
HINT: Make sure the distance (A) from the rag to the top of the blocks is at least 100 mm (3.94 in.).

MASTER CYLINDER COMPONENTS' INSPECTION ^{BR06X-01}

HINT: Clean the disassembled parts with compressed air.

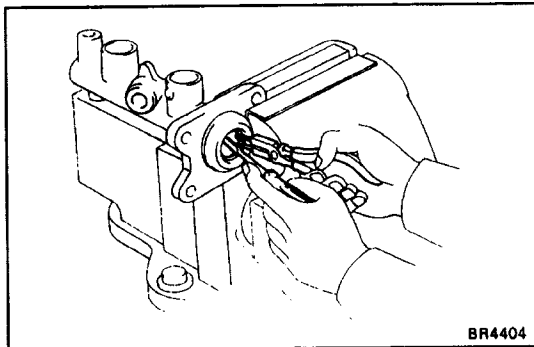
1. INSPECT CYLINDER BORE FOR RUST OR SCORING
2. INSPECT CYLINDER FOR WEAR OR DAMAGE

If necessary, clean or replace the cylinder.



MASTER CYLINDER ASSEMBLY

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



2. INSTALL TWO SPRINGS

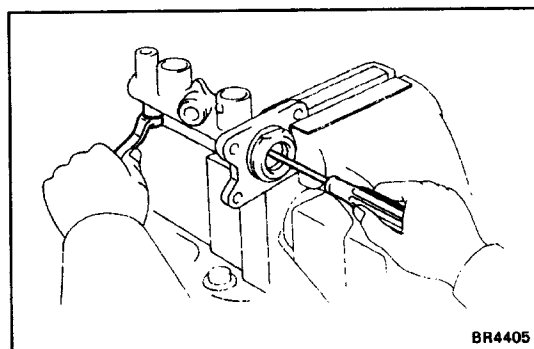
NOTICE: Be careful not to damage the rubber lips on the pistons.

(a) Install the two piston straight in, not at an angle.

NOTICE: If inserted at angle, there is a possibility that the cylinder bore could be damaged.

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

HINT: Tape the screwdriver tip before use.

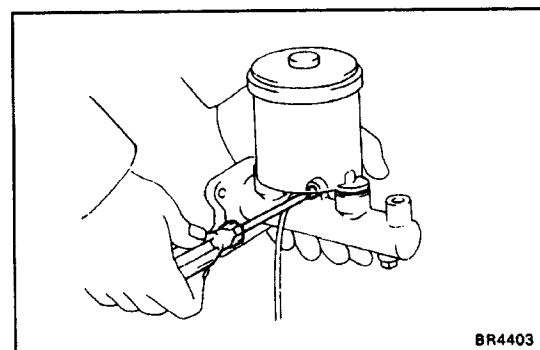


3. INSTALL PISTON STOPPER BOLT

Using a screwdriver, push the piston in all the way and install the piston stopper bolt over the gasket. Torque the bolt.

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

4. INSTALL TWO GROMMETS



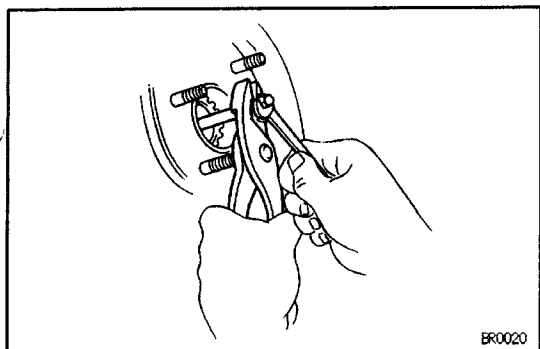
5. INSTALL RESERVOIR TANK

(a) Install the cap and strainer to the reservoir tank.

(b) Push the reservoir tank onto the cylinder.

(c) Install the set screw while pushing on the reservoir tank.

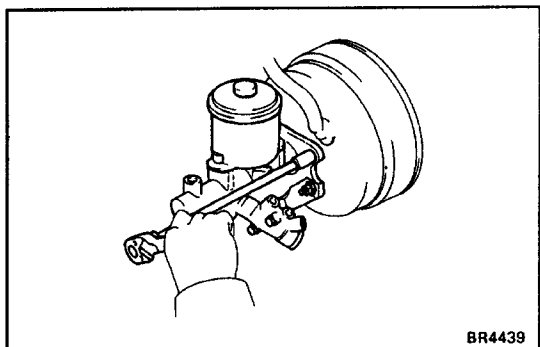
Torque: 1.7 N-m (17.5 kgf-cm, 15.2 ft-lbf)



MASTER CYLINDER INSTALLATION BR08Z-01

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

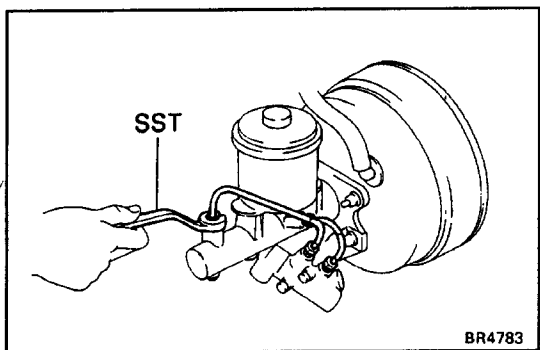
(See page [BR-17](#))



2. INSTALL MASTER CYLINDER

- (a) Install the master cylinder.
- (b) Install the P & BV with the P & BV bracket.
- (c) Install the four nuts and torque nuts.

Torque: 13 N-m (130 kgf-cm, 9 ft-lbf)



3. CONNECT TWO BRAKE TUBES

Using SST, connect the brake tubes to the master cylinder. Torque the union nuts.

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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-9](#))

6. CHECK FOR FLUID LEAKAGE

7. CHECK AND ADJUST BRAKE PEDAL

(See page [BR-7](#))