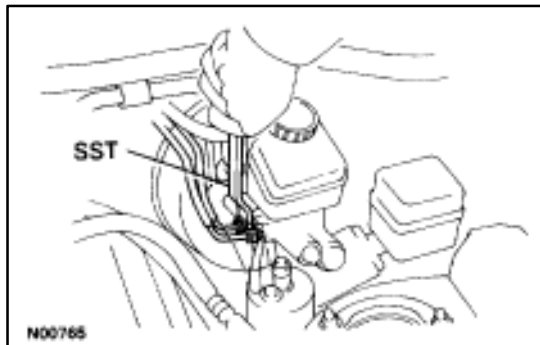
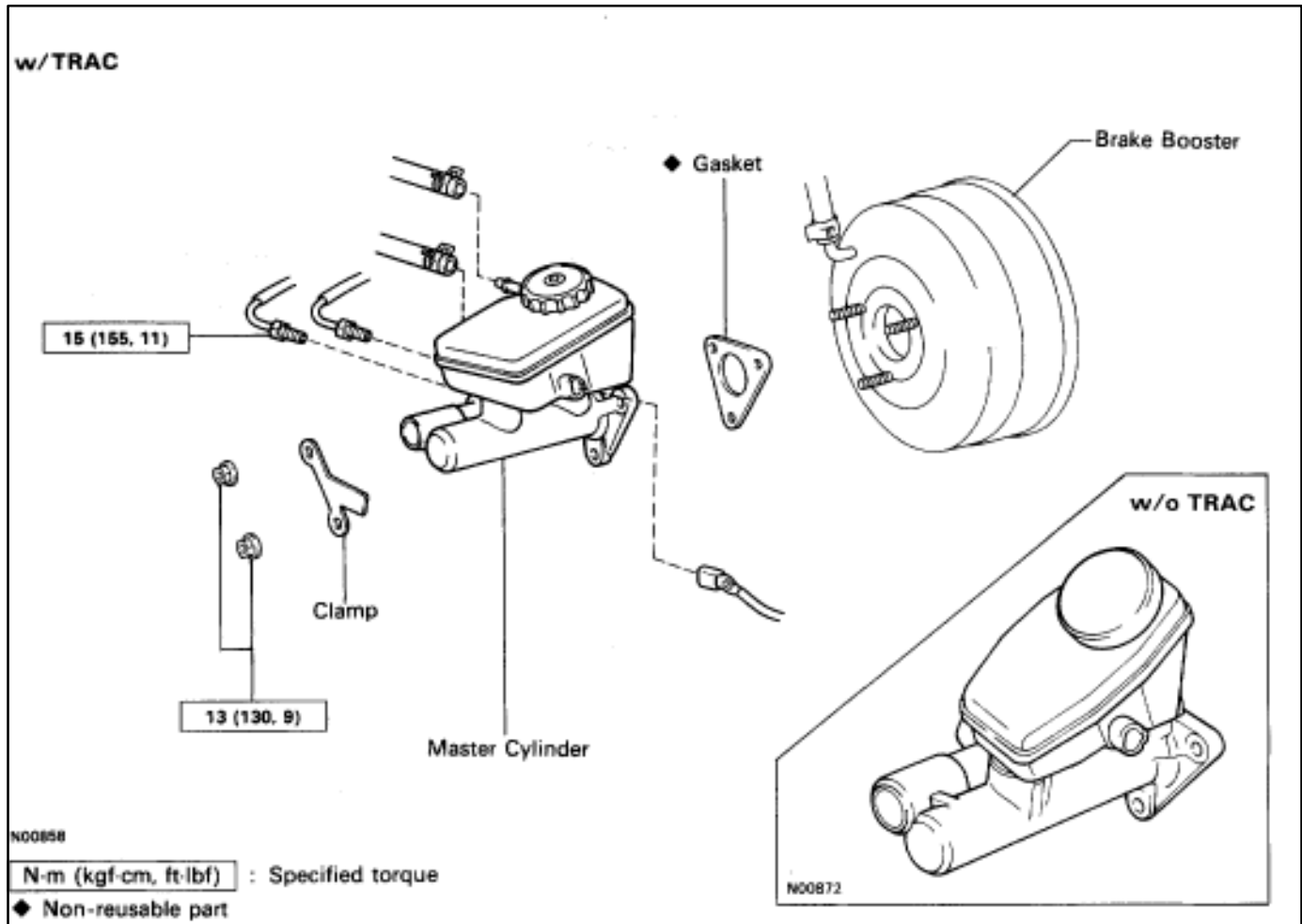


MASTER CYLINDER

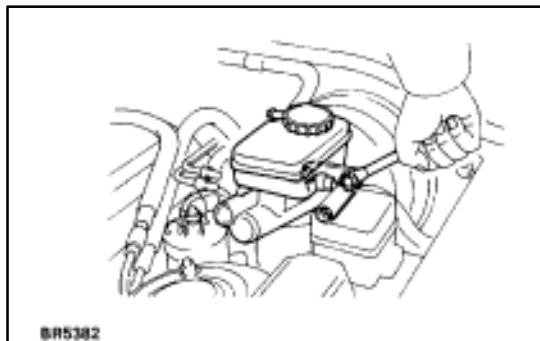
REMOVAL OF MASTER CYLINDER



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

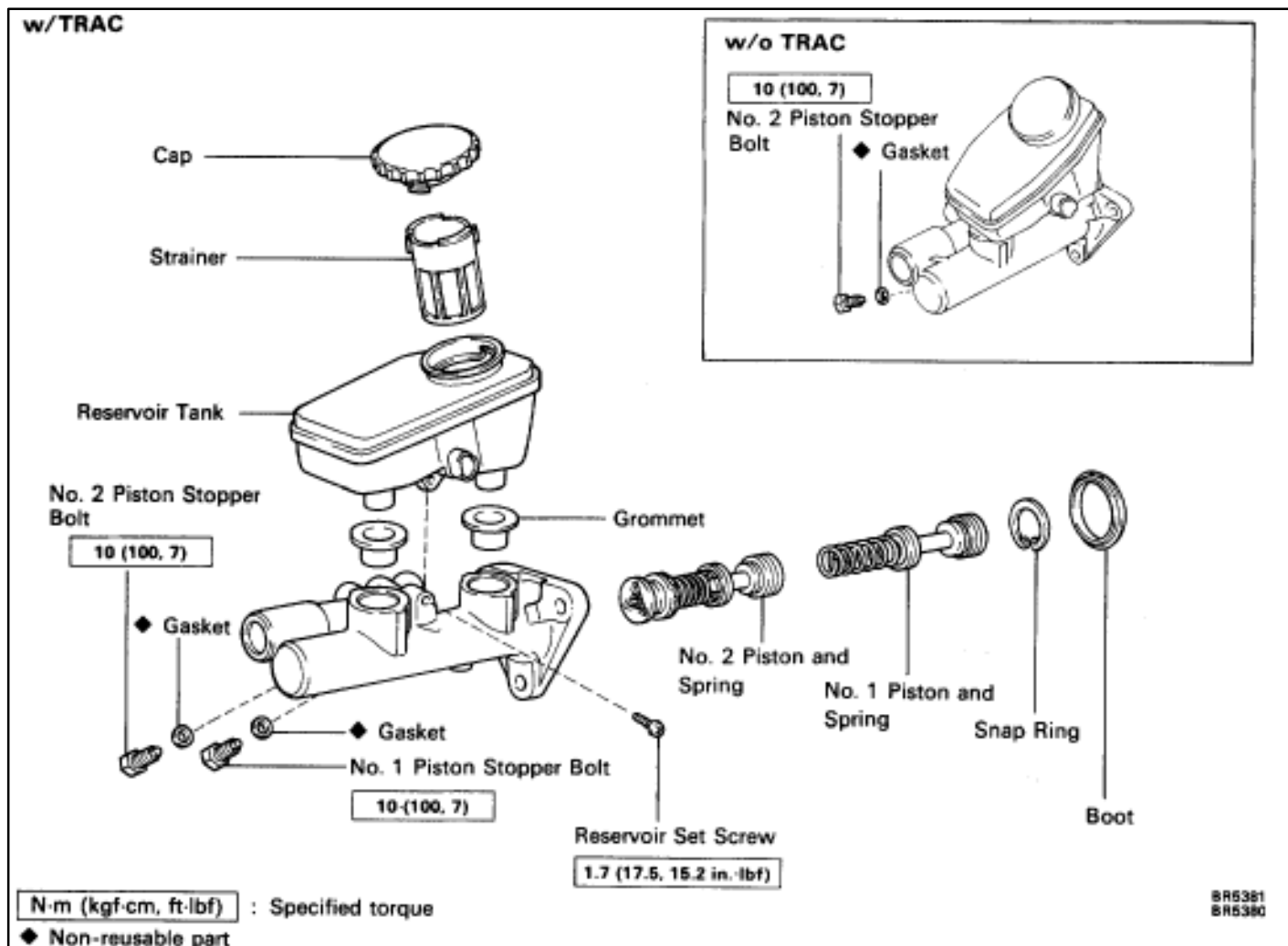
NOTICE: Do not let brake fluid remain on a painted surface. Wash it off immediately.

3. DISCONNECT BRAKE TUBES
Using SST, disconnect the brake tubes from the master cylinder.
SST 09751-36011



4. REMOVE MASTER CYLINDER
 - (a) Remove the nuts and clamp.
 - (b) Remove the master cylinder and gasket from the brake booster.

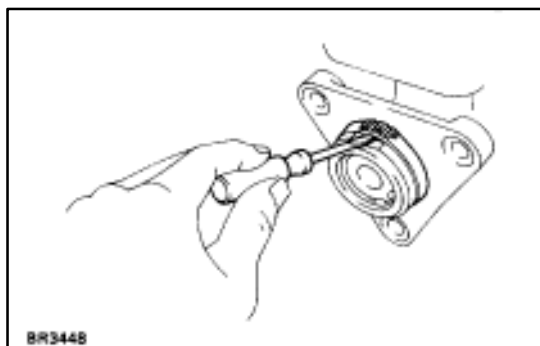
COMPONENTS



DISASSEMBLY OF MASTER CYLINDER

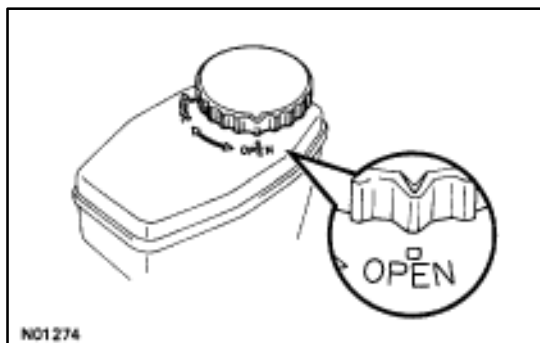
1. REMOVE MASTER CYLINDER BOOT

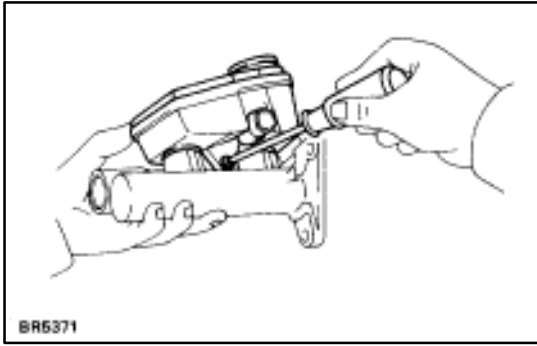
Using a screwdriver, remove the master cylinder boot.



2. REMOVE RESERVOIR CAP AND STRAINER

- Turn the reservoir cap to the "open" side and remove it.
- Remove the strainer.



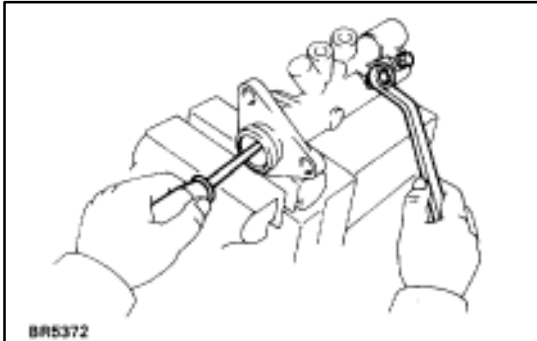


3. REMOVE RESERVOIR TANK

Remove the set screw and pull out the reservoir tank.

4. REMOVE TWO GROMMETS

5. PLACE CYLINDER IN VISE



6. (w/TRAC)

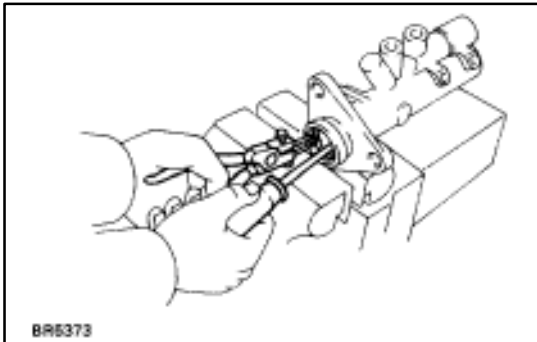
REMOVE NO. 1 PISTON STOPPER BOLT

Using a screwdriver, push the pistons in all the way and remove the No. 1 piston stopper bolt and gasket.

HINT: Tape the screwdriver tip before use.

7. REMOVE NO. 2 PISTON STOPPER BOLT

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



8. REMOVE TWO PISTONS

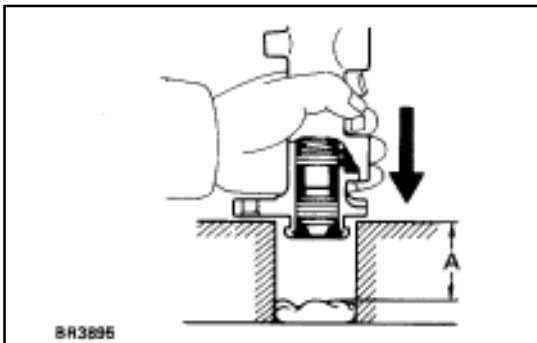
(a) Push in the piston with a screwdriver and remove the snap ring with snap ring pliers.

(b) Remove the No. 1 piston by hand, pulling them out straight, 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 on 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 wood is at least 100 mm (3.94 in.).



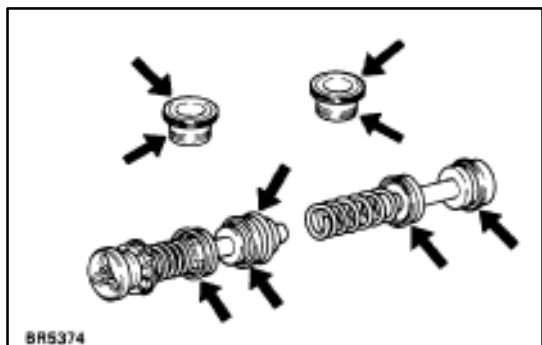
INSPECTION OF MASTER CYLINDER COMPONENTS

HINT: Clean the disassembled parts with compressed air.

1. INSPECT CYLINDER BORE FOR RUST OR SCORING

2. INSPECT CYLINDER FOR WEAR OR DAMAGE

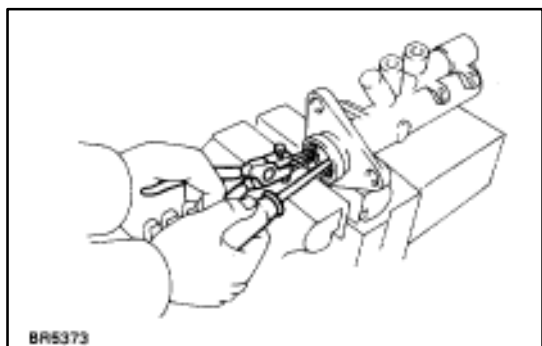
If necessary, clean or replace the cylinder.



ASSEMBLY OF MASTER CYLINDER

(See page [BR-10](#))

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



2. INSTALL TWO PISTONS

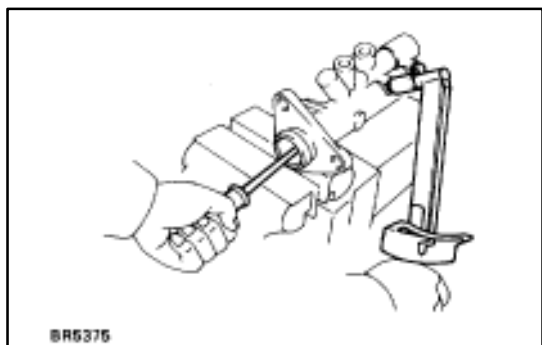
NOTICE: Be careful not to damage the rubber lips on the pistons.

(a) Insert the two pistons straight in, not at an angle.

NOTICE: If inserted at an 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. (w/TRAC)

INSTALL NO. 1 PISTON STOPPER BOLT

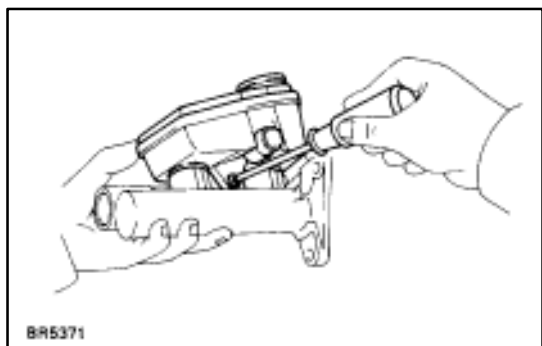
Using a screwdriver, push the piston in all the way and install the No. 1 piston stopper bolt over the gasket.

Torque: 10 N·m (100 kgf·cm, 7 ft·lbf)

4. 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 the gasket.

Torque: 10 N·m (100 kgf·cm, 7 ft·lbf)



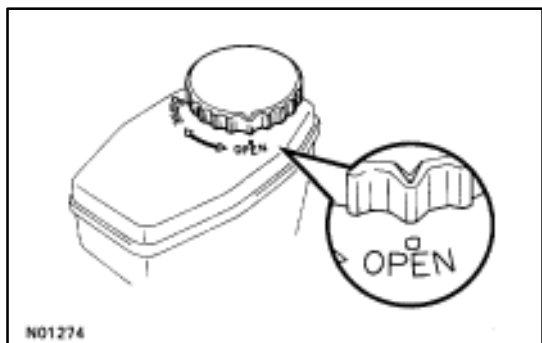
5. INSTALL TWO GROMMETS

6. INSTALL RESERVOIR TANK

(a) Push the reservoir tank onto the cylinder.

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

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

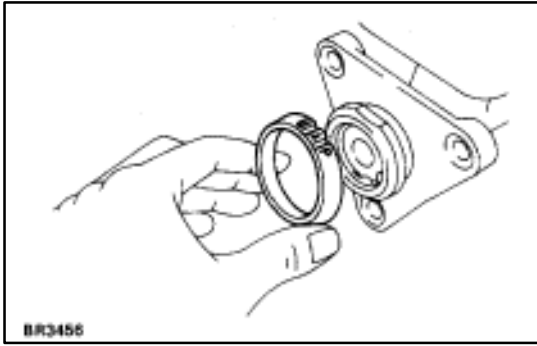


7. INSTALL RESERVOIR CAP

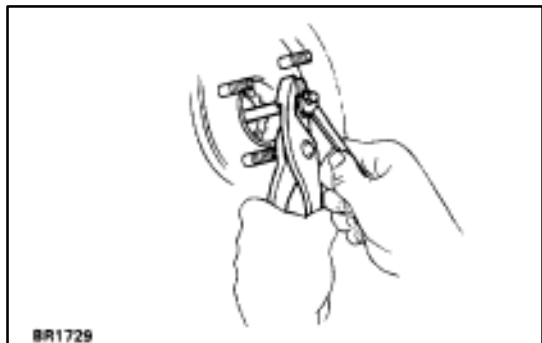
(a) Align the matchmark on the reservoir cap with the matchmark on the "open" side of reservoir tank.

(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 tank.

**8. INSTALL MASTER CYLINDER BOOT**

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

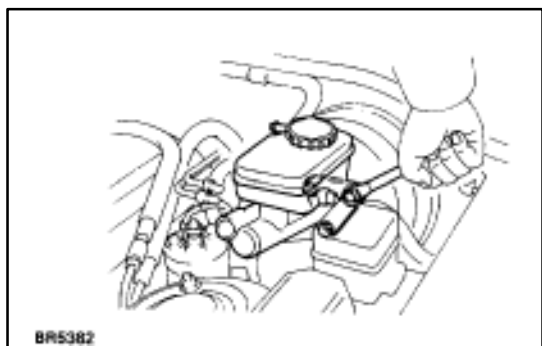


INSTALLATION OF MASTER CYLINDER

(See page [BR-10](#))

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

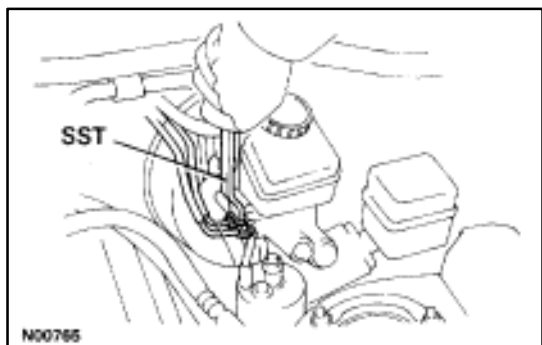
(See page [BR-17](#))



2. **INSTALL MASTER CYLINDER**

Install the master cylinder and a new gasket on the brake booster with three nuts.

Torque: 13 N·m (130 kgf·cm, 9 ft·lbf)



3. **CONNECT BRAKE TUBES**

(a) Connect the brake tubes to the master cylinder and 2-way union.

(b) Using SST, torque each of 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 TANK WITH BRAKE FLUID AND BLEED BRAKE SYSTEM**

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

6. (w/TRAC)
BLEED TRAC SYSTEM
(See page [BR-8](#))

7. **CHECK FOR FLUID LEAKAGE**

8. **CHECK AND ADJUST BRAKE PEDAL**
(See page [BR-5](#))