

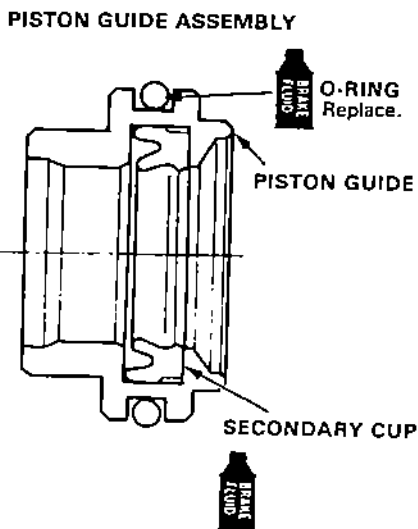
# Master Cylinder

## Reassembly

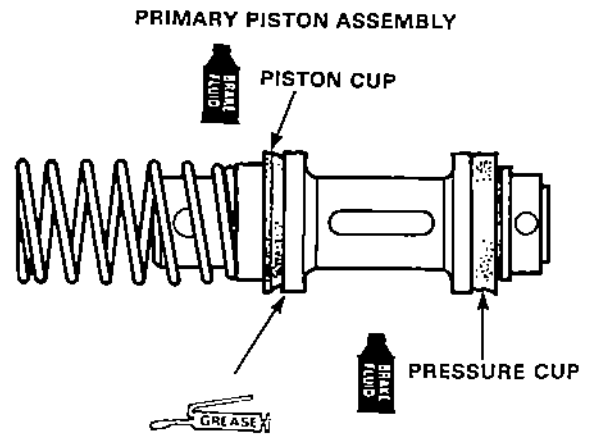
### CAUTION:

- Do not spill brake fluid on the car; it may damage the paint; if brake fluid does contact the paint; wash it off immediately with water.
- To prevent spills, cover the hose joints with rags or shop towels.
- Clean all parts in brake fluid and air dry; blow out all passages with compressed air.
- Use only new clean DOT3 or DOT4 brake fluid.
- Before reassembling, check that all parts are free of dust and other foreign particles.
- Replace parts with new ones whenever specified to do so.
- Make sure no dirt or other foreign matter is allowed to contaminate the brake fluid.
- Do not mix different brands of brake fluid as they may not be compatible.
- Do not reuse the drained fluid.

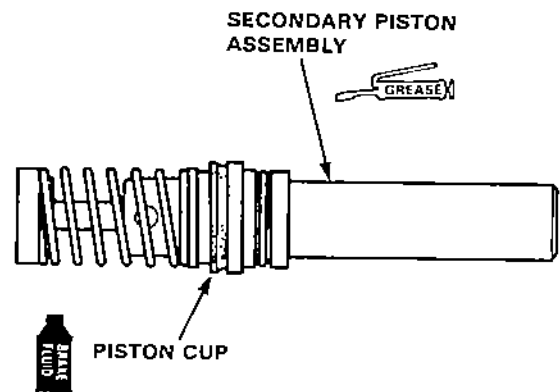
1. Lubricate the new piston parts with brake fluid.
2. Install the new O-ring onto the piston guide.



3. Make sure that the primary piston assembly and secondary piston assembly are in good condition.



NOTE: Reaching through the primary piston stop bolt hole, lightly press on the valve stem to see if it moves smoothly.



NOTE: Lightly press the stop pin guide to see if the valve stem moves smoothly.

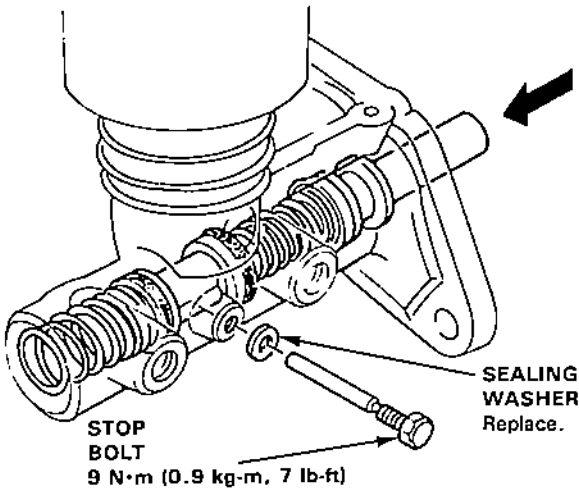
4. Assemble the primary piston assembly, secondary piston assembly and piston guide assembly in the master cylinder body.

NOTE: Install the primary piston with the slot on the cylinder facing the stop bolt hole side.

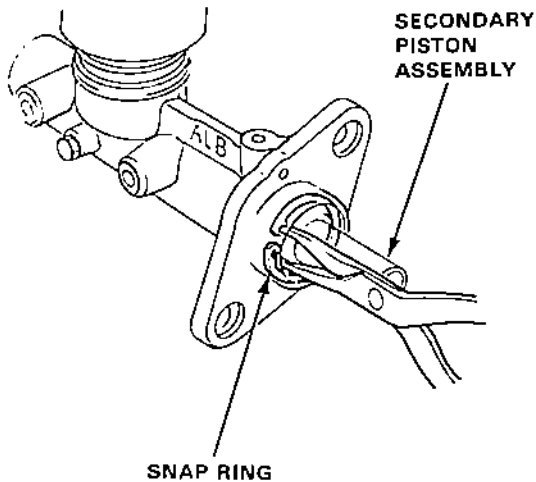
5. Push the secondary piston in until slot aligns with the stop bolt hole, then install and tighten the stop bolt.

**CAUTION:**

- Replace the stop bolt sealing washer with a new one whenever disassembled.
- Apply brake fluid to the inner wall of the cylinder and piston cups, being careful that they are not turned inside out during installation.

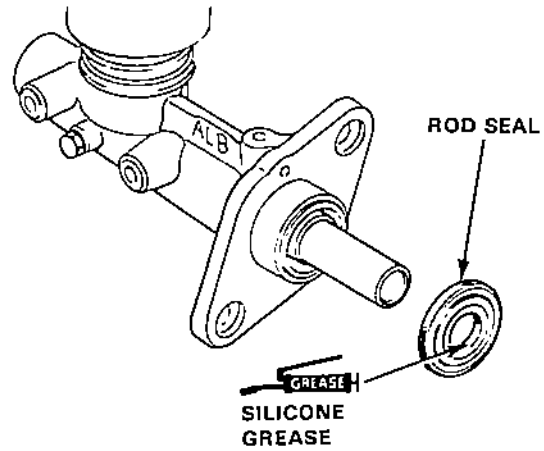


6. Press the secondary piston in and install the new snap ring.



CAUTION: Avoid damaging the sliding surface of the secondary piston when installing the snap ring.

7. Install the new rod seal.



**CAUTION:**

- Make sure that there is no interference between the brake pipes and other parts when installing.
- Adjust the pushrod length and clearance (page 13-43 and 44).