



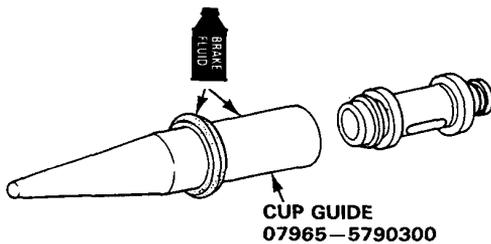
Master Cylinder

Reassembly

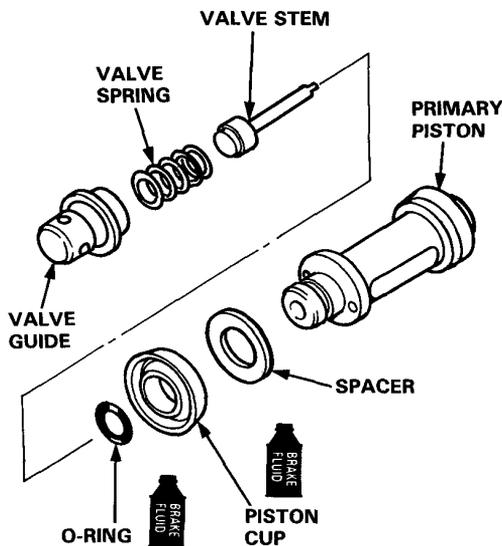
CAUTION:

- 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 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. Coat the Cup Guide (special tool) with brake fluid, install the cup over the Cup Guide, then slide the cup onto the primary piston.

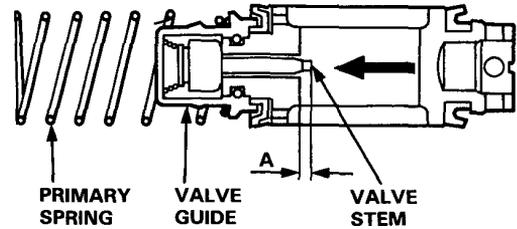


2. Install the spacer, piston cup, O-ring, valve stem and valve spring onto the primary piston.



3. Install the valve guide and primary spring to the primary piston.

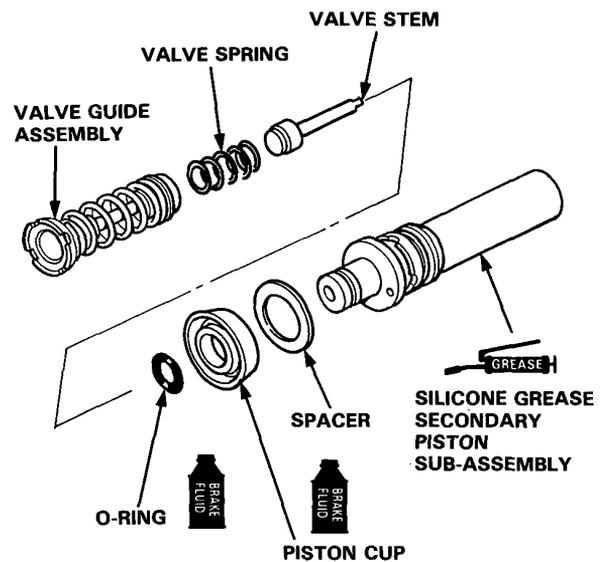
PRIMARY PISTON ASSEMBLY



NOTE:

- Reaching through the primary piston stop bolt hole, lightly press on the valve stem to see if it moves smoothly.
- Make sure that the dimension A is 1.85–2.45 mm.

4. Install the spacer, piston cup, O-ring, valve stem and valve spring onto the secondary piston sub-assembly.

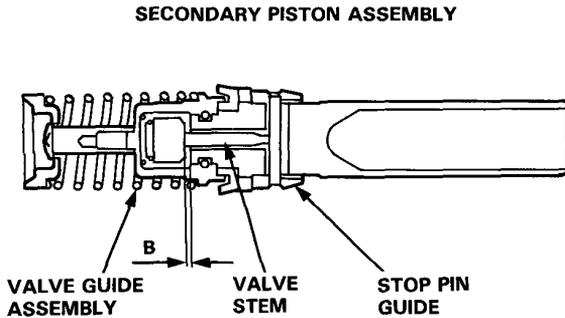


(cont'd)

Master Cylinder

Reassembly (cont'd)

5. Install the valve guide assembly to the secondary piston sub-assembly.



NOTE:

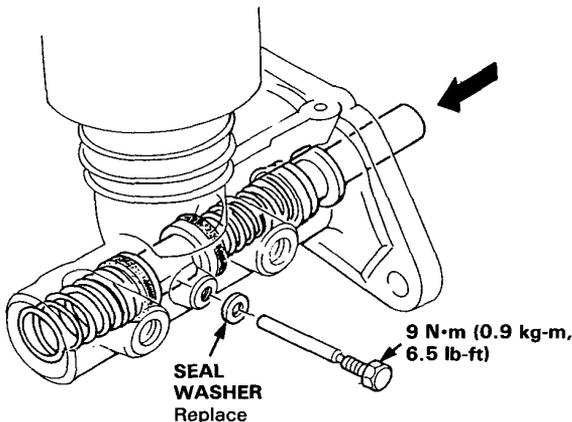
- Install the valve guide assembly after confirming that the dimension B is 0.9–1.5 mm.
 - Lightly press the stop pin guide to see if the valve stem moves smoothly.
6. Assemble the primary piston assembly, secondary piston assembly and piston guide assembly in the master cylinder body.

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

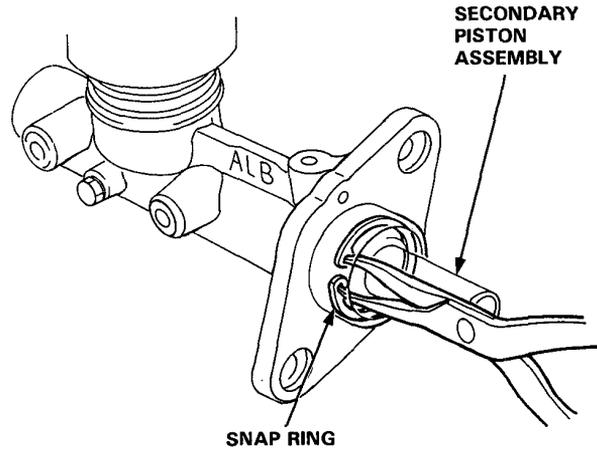
7. Push the secondary piston in until the slot aligns with the stop bolt hole, then install and tighten the stop bolt.

CAUTION:

- Replace the stop bolt seal 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.

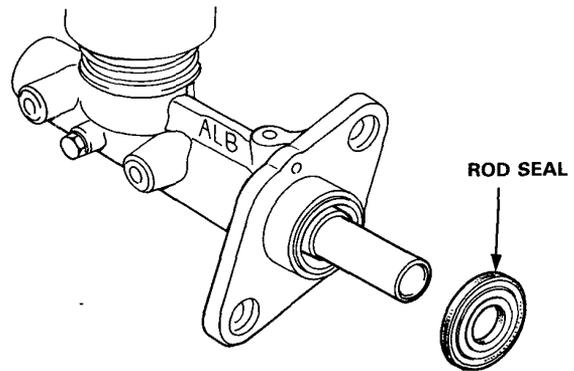


8. Press the secondary piston in and install the snap ring.



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

9. Install the rod seal.



CAUTION: Make sure that there is no interference between the brake pipes and other parts when installing.