


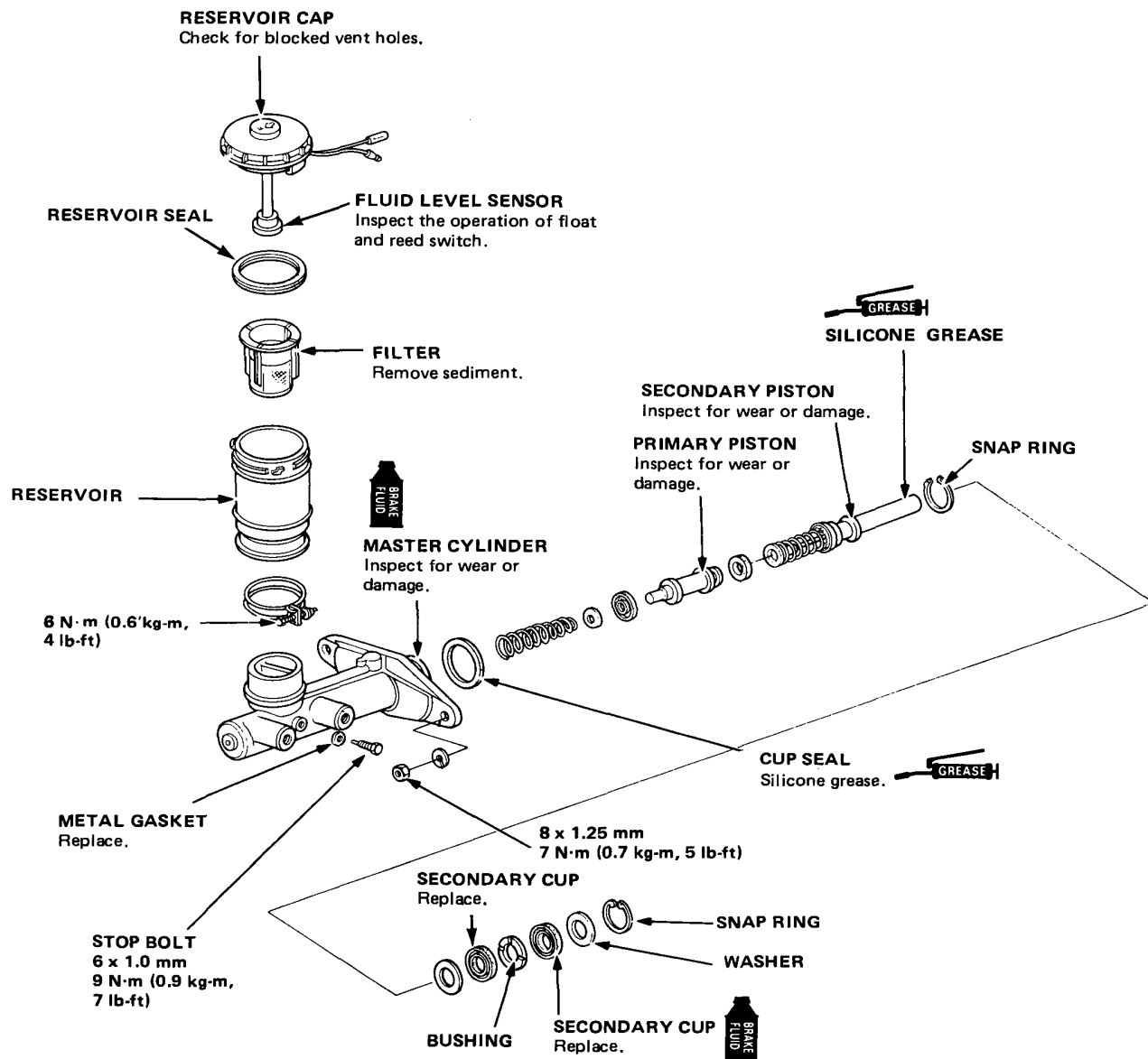
# Master Cylinder

## Overhaul/Inspection

NOTE: Use only new replacement parts.

### CAUTION:

-  This symbol represents brake fluid. Use only DOT 3 or 4 brake fluid.





## Disassembly

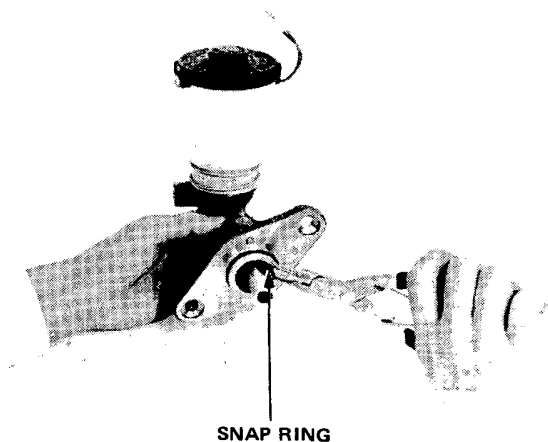
### CAUTION:

- Avoid spilling brake fluid on painted surfaces as it can damage the finish. Wash spilled brake fluid off immediately with clean water.

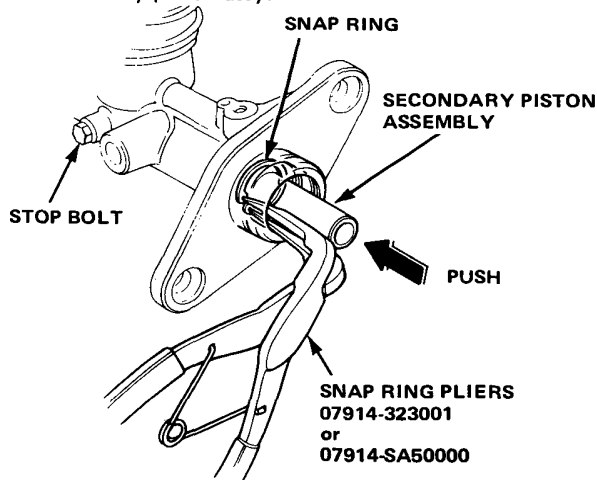
### NOTES:

- Wash all removed parts in brake fluid and blow dry with compressed air. Blow open all passages and fluid ports.
- Replace all rubber parts with new ones whenever the cylinder is disassembled.
- To prevent damage, liberally apply clean brake fluid to the piston cups before installation.

1. Remove the outer snap ring.



2. Remove the washer, secondary cup, and secondary piston bushing.
3. Remove the stop bolt, and remove the inner snap ring with the snap ring pliers while pushing on the secondary piston assy.

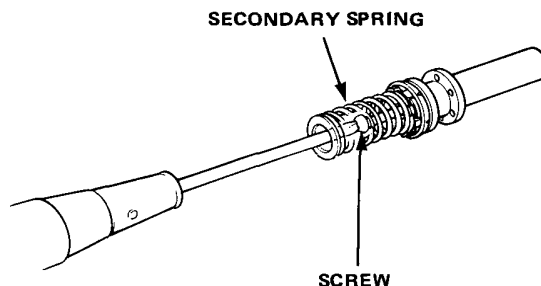


NOTE: Avoid damaging the master cylinder wall.

4. Remove the primary piston assembly. If necessary, remove by blowing compressed air through the primary piston hole.

NOTE: Wrap a shop rag around the open end of the cylinder before using compressed air.

5. Remove the screw from the secondary piston assy, and remove the secondary spring.



6. Clean all parts thoroughly with BRAKE FLUID only.

# Master Cylinder

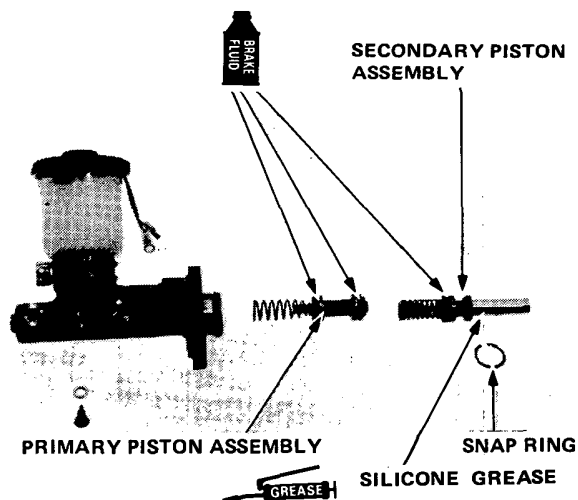
## Reassembly

### CAUTION:

- Make sure all parts are clean before installation.
- Use only new replacement parts.
- Use only new clean brake fluid.  
Do not allow dirt or other foreign matter to contaminate the brake fluid.
- Do not mix different brands of brake fluid.
- Avoid spilling brake fluid on painted surfaces as it can damage the finish. Wash spilled brake fluid off immediately with clean water.

1. Lubricate new piston assemblies with brake fluid, then install in the master cylinder.

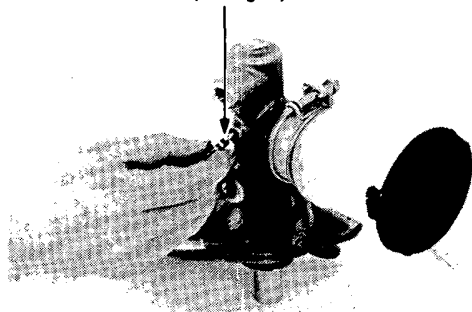
NOTE: To ease assembly, rotate the pistons while inserting.



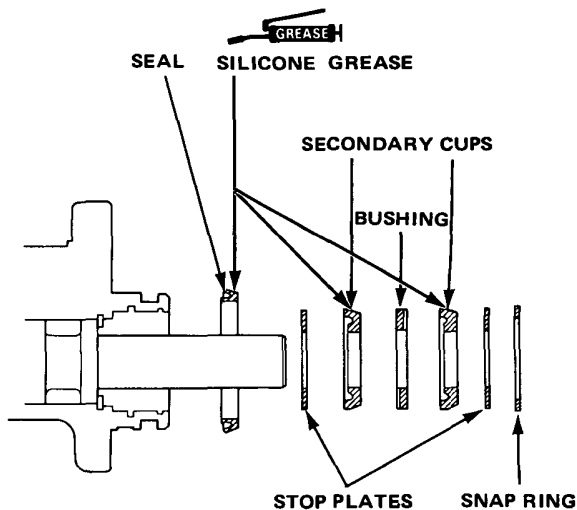
2. Press down on the cylinder as shown, then install the stop bolt.

NOTE: Replace the piston stop bolt metal gasket with a new one.

STOP BOLT  
9 N·m (0.9 kg-m, 7 lb-ft)



3. Turn the master cylinder over, press down on the secondary piston, then install the inner snap ring.
4. Install the secondary cups, bushing, and outer snap ring.
5. Install the seal on the master cylinder mounting flange.



NOTE: Make sure the seal and cups are installed facing the direction shown.