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## How To Adjust Water Flow: Correcting Flush Valve

More and more people are coming to love the American countryside. The greenery, the fauna in its natural habitat, the noisy silence of the evening—all do wonders for the urban soul. But everything in its place does less to our spirit and more to our nerves when the normally pleasant and contemplative sound of a babbling brook is issuing from a toilet in our apartment. It will not stop flushing! But relief is just a pinprick away.

### Utensils

Roll of masking tape  
Smooth or flat-jaw adjustable wrench  
Straight pin  
Medium flat blade screwdriver

### Ingredients

Petroleum jelly

### Approximate Time: 20 To 25 Minutes

1. Shut off water supply at valve stop or at main cutoff in basement.
2. Tape jaws of wrench or large cap to prevent damage to fixture.
3. Place wrench on large cap of cover assembly (Fig. 86A) and turn in counterclockwise direction until assembly is removed.
4. Place fingers inside flushometer and remove diaphragm assembly.
5. Examine bleeder valve bypass vulcanized into diaphragm. One side has a screen, the other a small pinhole (Fig. 86B and 86C).
6. Hold assembly up to light. If you cannot see any light through the pinhole, this is an indication that the bleeder valve is clogged.
7. Insert straight pin and punch through.
8. Now hold up to light. The pin should do the trick.
9. Reassemble into flush valve again as follows:
  - a. Place seat guide downward into valve.
  - b. Place auxiliary valve seat in center.
10. Lubricate threads with petroleum jelly and then replace cover assembly, tightening slowly.

11. Turn on water and test.
12. It may be necessary at this point to adjust the length of flush:
  - a. Remove cap nut.
  - b. Insert screwdriver through top of valve seat assembly, and turn in counterclockwise and clockwise directions until proper flush is achieved. Clockwise turning shortens the flush; counterclockwise turning lengthens it.
  - c. Replace cap screw.
  - d. Test flush.

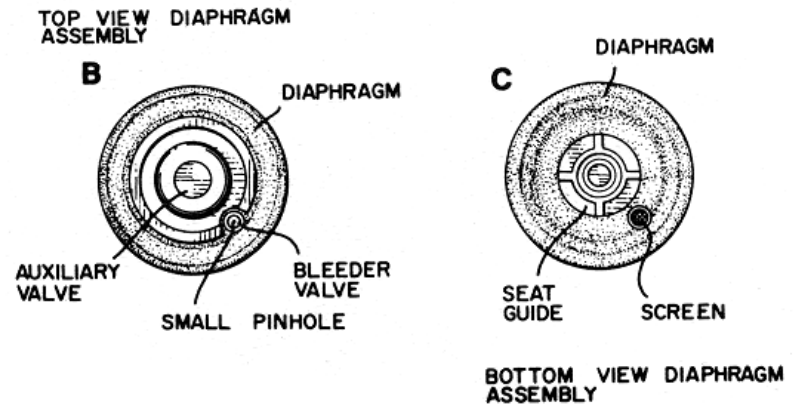
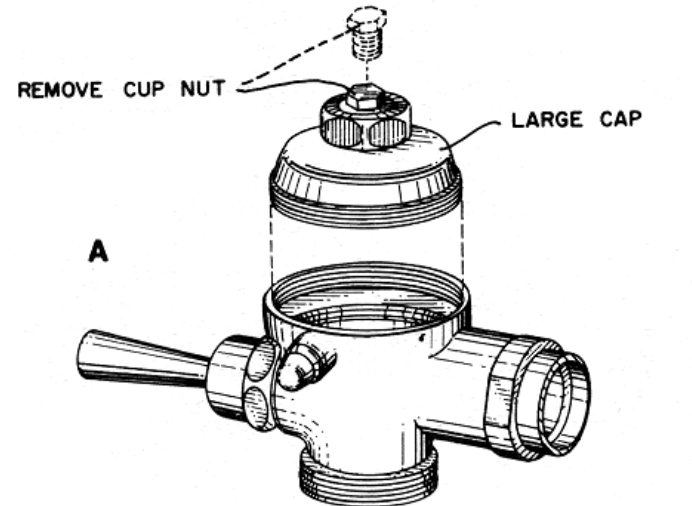


Figure 86.  
Unclogging a Bleeder Valve