



How To Repair Single Handle Ball Type Faucet

This is a relatively new plumbing device and is found in homes built in the last decade. It is modern, simple to work, but prone to the same malfunctions as other valves. It is our suggestion that, whenever this faucet begins to leak, you disassemble the entire valve body and check the entire thing out. In this way, you will be replacing worn parts that, if not causing your present trouble, will cause some new trouble in the near future. So stay with this one. It will not take long. (Note: Though the ball faucet pictured in Figure 75 is just one of many modern types, it is one of the more common varieties.)

Utensils

Screwdriver
Pliers
Set of Allen wrenches

Ingredients

Seal assembly with springs if valve leaks
New ball, if leakage is there New "O" rings if leaks occur from top or bottom of valve assembly

Approximate Time: 60 Minutes

1. If faucet leaks from under handle, unscrew set screw under handle and remove handle (Fig. 75A).
2. Tighten adjusting ring until water stops leaking (Fig. 75B).
This should be done with water supply on. Adjust ring until leakage ceases, turning clockwise.
3. If faucet drips at spout, turn off water supply.
4. Disassemble handle as in step 1.
5. Remove adjusting ring cap assembly turning counterclockwise (Fig. 75B).
6. Pull up on ball stem to remove cam and ball assembly (Fig. 75C).
7. Check ball assembly for sharp edges, especially around the two small holes. Replace if this is the condition.
8. Lift rubber seat and spring out of the body of the valve, and replace if necessary and reassemble (Fig. 75D).
9. Replace adjusting ring cap assembly. Do not replace handle assembly yet.
10. Turn on water and tighten adjusting ring until leak ceases.
11. Replace handle assembly.

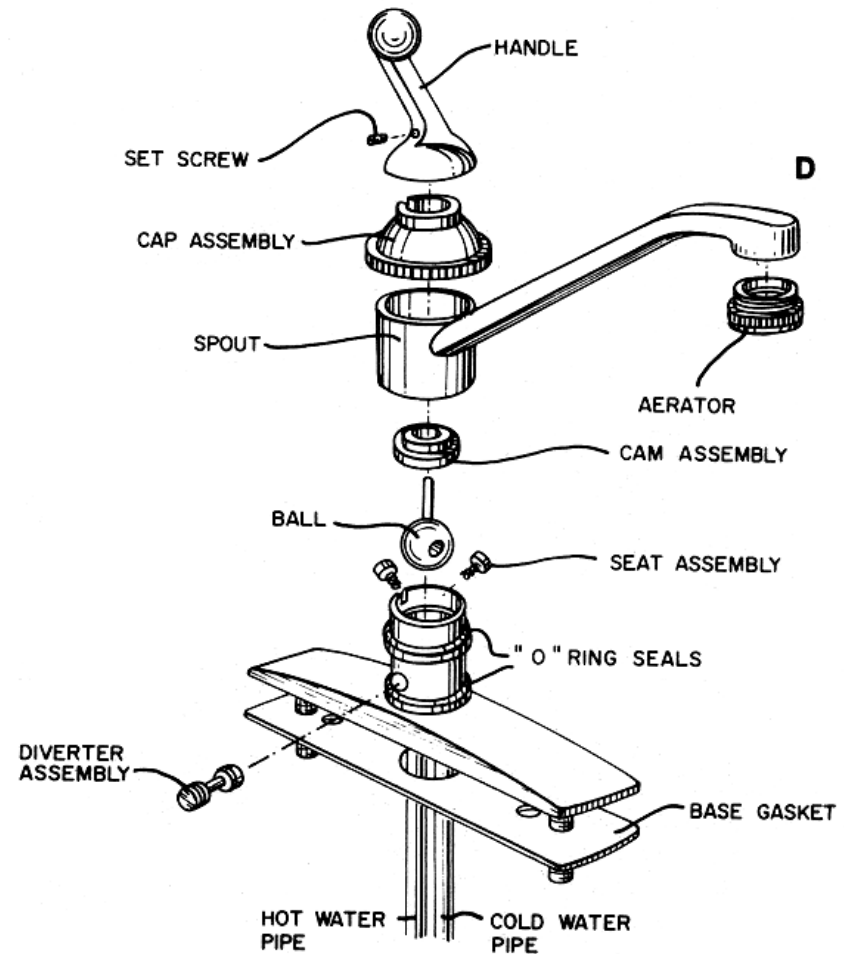


Figure 75.
Repairing a Ball Faucet



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Con't: Single Handle Valve: Ball Faucet

12. If water leaks from either top or bottom of spout assembly, turn off water supply and disassemble mechanism, as in step 1 through step 6.
13. Lift up spout and examine "O" rings. Replace both "O" rings if they are worn or frayed or broken (Fig. 75E).
14. Reassemble mechanism but do not reinstall handle.
15. Turn on water, and tighten adjusting ring until leak ceases.
16. Reinstall handle and check operation.

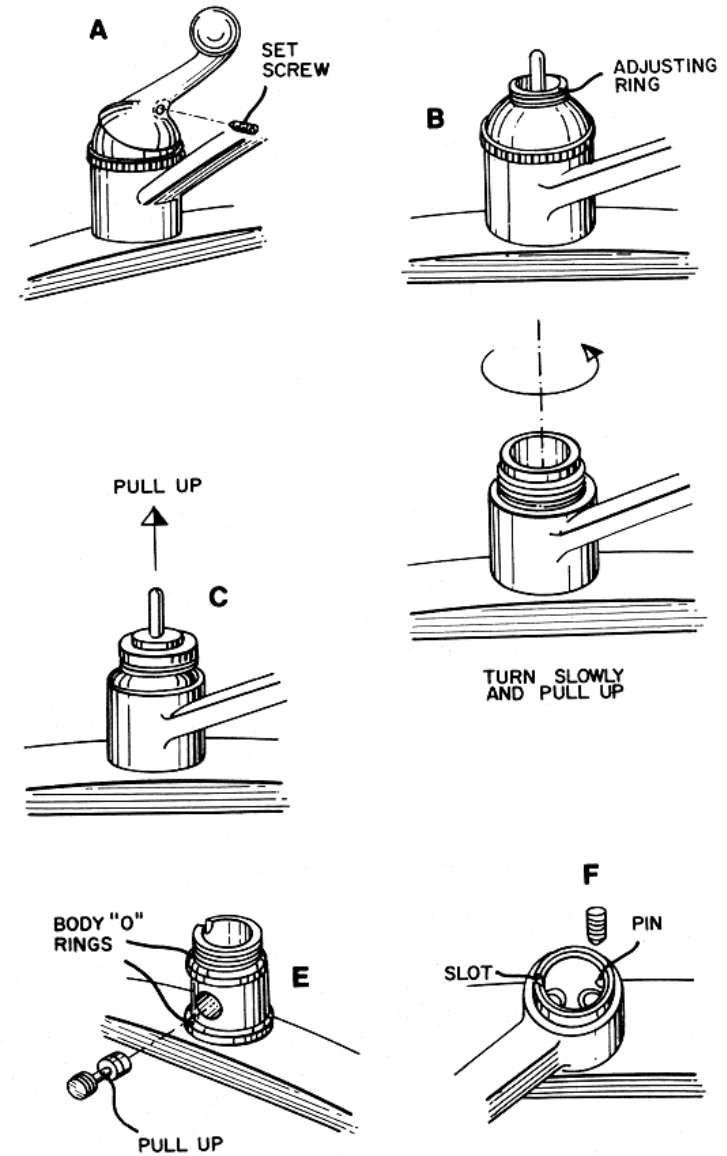


Figure 75.
Repairing a Ball Faucet