

REPAIRING FAUCETS

Faucets on lavatories/sinks are valves that receive a great deal of use, resulting in leaks or failures over a period of time through wear and tear. When this happens, the malfunction of the faucet is determined and repaired. The repair must restore the faucet to a serviceable, operating condition. See figures 14, 15 and 16.

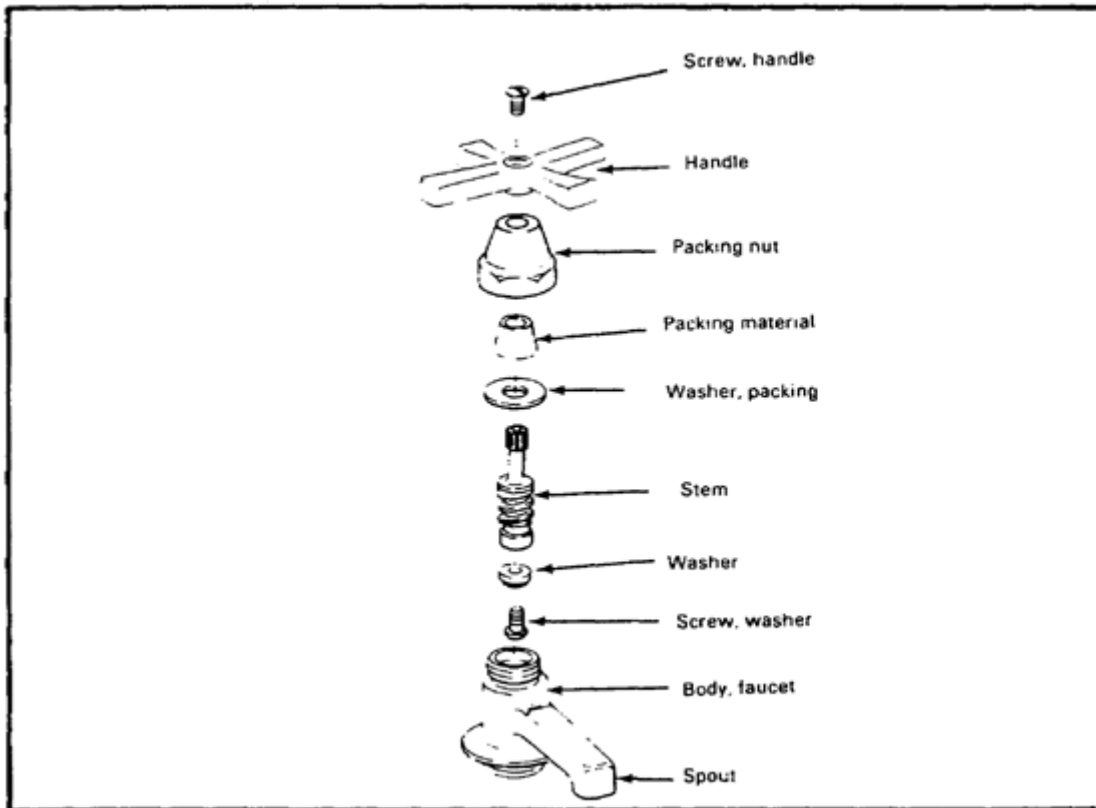


Figure 14. Single Faucet Parts

SINGLE FAUCET MALFUNCTIONS AND REPAIRS

Malfunction

Repairs

1. **Leak at stem and packing nut.**
 - a. Turn off water supply with shutoff valve.
 - b. Remove cap, screw, and handle.
 - c. Remove packing nut with a wrench.
 - d. Remove old packing material and washer.
 - e. Place new washer and packing material on stem.
 - f. Screw packing nut onto the body of the faucet hand tight, then tighten with wrench.
 - g. Replace handle, screw, and cap.
 - h. Turn on water supply to check for leaks and faucet operation.

2. **Leak at spout.**
 - a. Turn off water supply with shutoff valve.
 - b. Disassemble faucet down to the body and remove the stem.
 - c. Remove screw and washer from bottom of stem.
 - d. Place a new washer into the bottom of the stem and secure to stem with new screw.
 - e. Check valve seat inside of body. If it is chipped or rough, replace seat with a repacking tool. If seat is OK, place stem onto body.
 - f. Reassemble valve and turn on water supply.
 - g. Check for leaks and faucet operation.

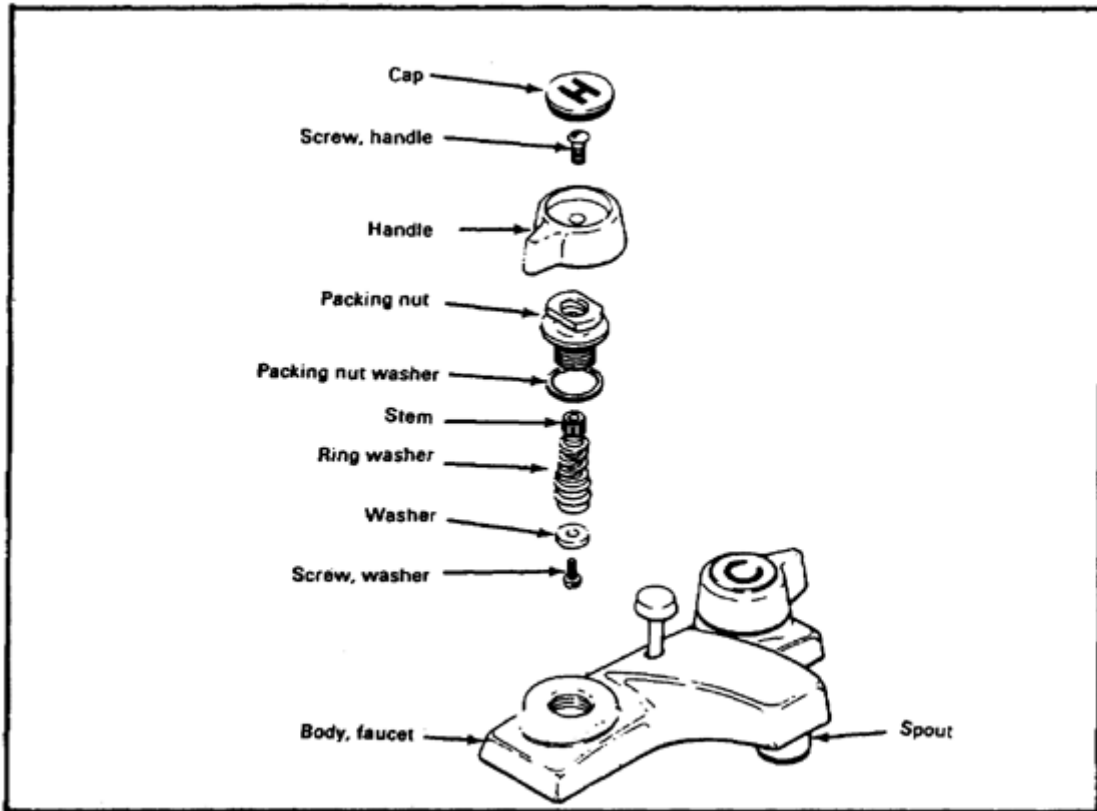


Figure 15. Combination Faucet Parts

COMBINATION FAUCET MALFUNCTIONS AND REPAIRS

Malfunction

Repairs

1. Leak at top of stem.

- a. Turn off water supply at shutoff valve.
- b. Remove cap, screw, and handle.
- c. Remove packing nut with a wrench.
- d. Remove stem from body.
- e. Remove worn washer by sliding it off the lower end of the stem.
- f. Slide a new washer onto the stem's lower end.
- g. Reassemble all parts in their proper order.
- h. Turn on water supply to check for leaks and proper faucet operation.

2. Leak at spout.

- a. Turn off water supply at shutoff valve.
- b. Remove cap, screw, and handle.
- c. Remove packing nut with a wrench.
- d. Remove stem from body.
- e. Remove screw and worn washer from the bottom of the stem.
- f. Place a new washer into the bottom of the stem and secure to stem with a new screw.
- g. Check valve seat inside of body. If it is chipped or rough, reface seat with a refacing tool. If seat is OK, place stem into body.
- h. Reassemble all parts in their proper order.
- i. Turn on water supply and check for leaks and proper faucet operation.

3. Leak at base of body.

- a. Turn off water supply at shutoff valve.
- b. Remove cap, screw, and handle.
- c. Remove packing nut with wrench.
- d. Remove worn washer from packing nut.
- e. Slide a new washer onto packing nut for a snug fit.
- f. Reassemble all parts in their proper order.
- g. Turn on water supply and check for leaks and proper faucet operation.

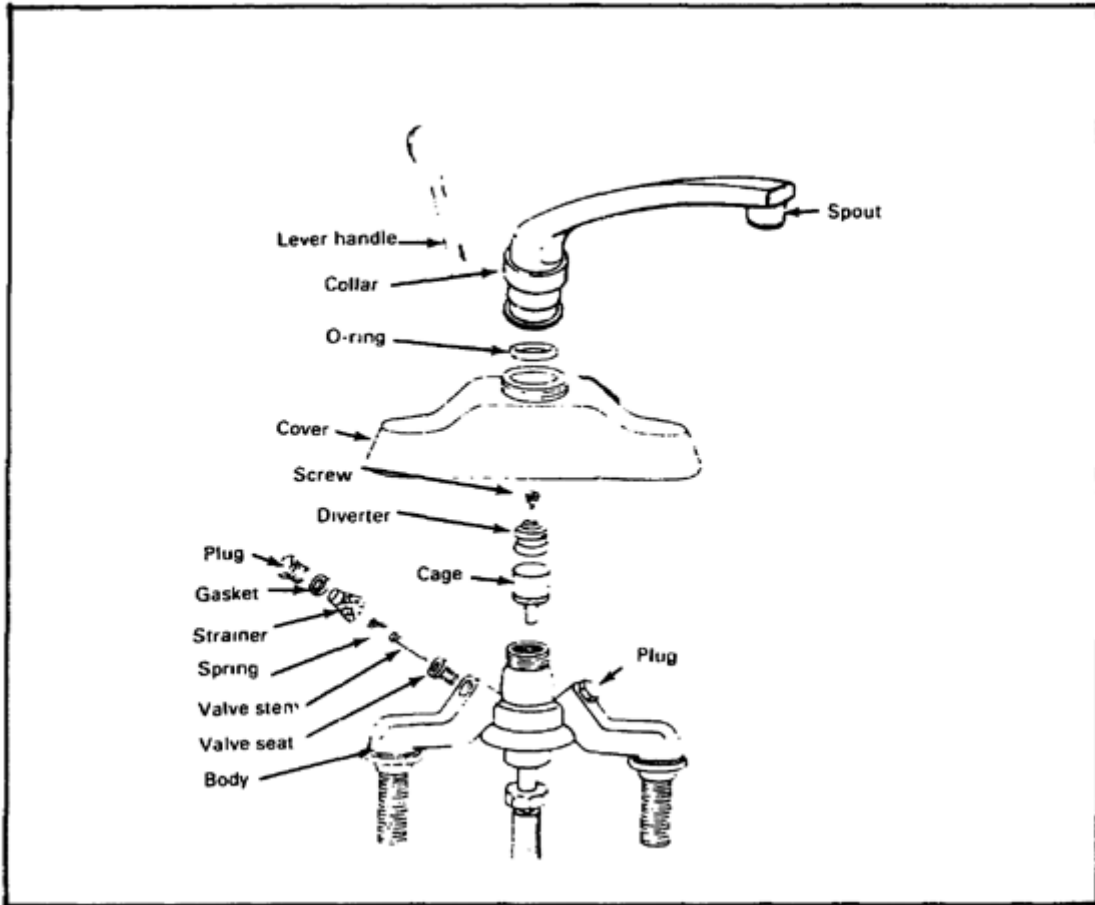


Figure 16. Single Lever Combination Faucet Parts

SINGLE LEVER COMBINATION FAUCET, VALVE-TYPE, MALFUNCTIONS, AND REPAIRS

Malfunction

Repairs

1. Leak at spout.

- a. Turn off hot and cold water supply at shutoff valves.
- b. Unscrew the collar and lift spout off.
- c. Remove lever from rear of body.
- d. Remove worn O-ring and install a new O-ring at the base of the spout.
- e. Reassemble spout by tightening collar.
- f. Turn on water supply and check for leaks.

2. Malfunction unknown.

- a. Turn off hot and cold water supply at shutoff valves.
- b. Unscrew the collar and lift off spout.
- c. Remove cover.
- d. Remove plug and disassemble each part until faulty part or parts are located.
- e. Replace faulty part or parts.
- f. Reassemble faucet.
- g. Turn on water supply and check for leaks and proper faucet operation.

NOTE: There are three types of washerless faucets: valve, ball, and cartridge. Each type has different internal working parts. Use manufacturer's instructions for all repairs.