

# Coil Valve Repack

## INSTALLATION INSTRUCTIONS

### DISASSEMBLY

- ① Remove steam or water pressure from valve.  
NOTE: VO512, VP512, V7512, and V5018 valves can be repacked under pressure by pulling up on the Stem and turning it counter-clockwise approximately 2 to 3 turns after the actuator is removed.
- ② Remove signal from actuator and disassemble actuator from valve.
- ③ Depending on Valve type, remove Stem Button or Stem Button-Stem Extension Assembly from Stem. Refer to Figures 1 through 4.

### CAUTION

Do not tamper with Stem Height Adjustment screw in the top of the Stem Button.

#### Stem Button:

- If applicable, loosen set screw on side of Stem Button. Hold Stem with wrench on flats (under Stem Button) or with 1/16" rod or nail\* to keep Stem from turning. Using a 9/16 inch wrench for 1/4 inch stems or a 11/16 inch wrench for 3/8 inch stems, turn Stem Button counterclockwise and remove.

\*NOTE: Some Valves are provided with a 1/16 inch hole in the stem.

#### Stem Button-Stem Extension Assembly:

- Hold Stem with wrench on flats (under Extension) or with 1/16" rod or nail\* to keep Stem from turning. Unscrew Extension from Stem by turning Extension with wrench on Extension flats or with 1/16" rod through Extension.

\*NOTE: Some Valves are provided with a 1/16 inch hole in the stem.

- ④ Unscrew Packing Nut from Bonnet. Remove Packing, Spacers, and Spring from Packing Nut. Be careful not to scratch the inside of the Packing Nut.

### INSPECTION

- ① Clean Packing Nut and Stem to remove deposits and old lubricant.
- ② Inspect Packing Nut for excessive wear in Stem bearing and for wear, scratches, or corrosion of Stem.

### ASSEMBLY

- ① Lubricate Stem and slide all parts, including Spring, Packing, and Spacers over Stem, per Figures 1 through 4. Use care when assembling Packing over Stem so Packing is not nicked or cut. Lubricate outside of Packing.
- ② Slide Packing Nut over Stem, thread into Bonnet and tighten, securely.  
NOTE: If you repacked a VO512, VP512, V7512, or V5018 valve under pressure, turn Stem clockwise approximately 2 to 3 turns or until stem can be pushed down.
- ③ Manually move stem full stroke up and down to verify free movement. It is normal for Plug to rub in seat near end of stroke.
- ④ Screw Stem Button or Button-Stem Extension Assembly onto Stem and tighten securely.
- ⑤ Restore steam or water pressure and check for leaks.
- ⑥ Install actuator and verify correct operation.

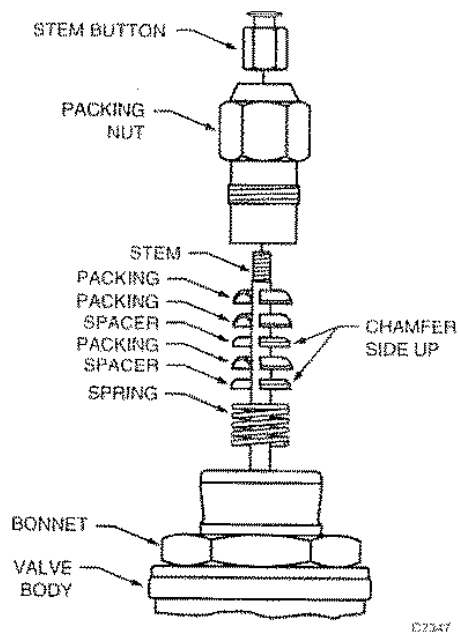


Fig 1. Valve with Chevron Packing and 1/4 Inch Stem.

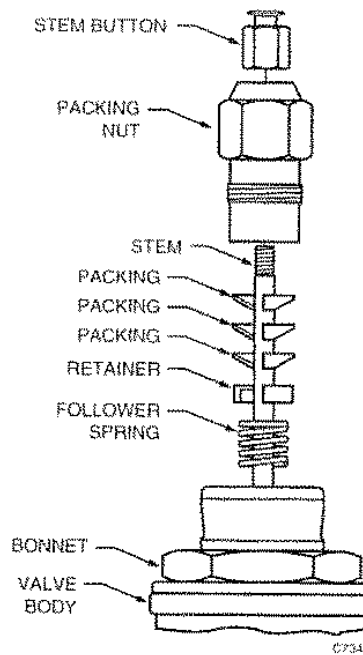


Fig. 3. Valve with Cone Packing and 1/4 Inch Stem.

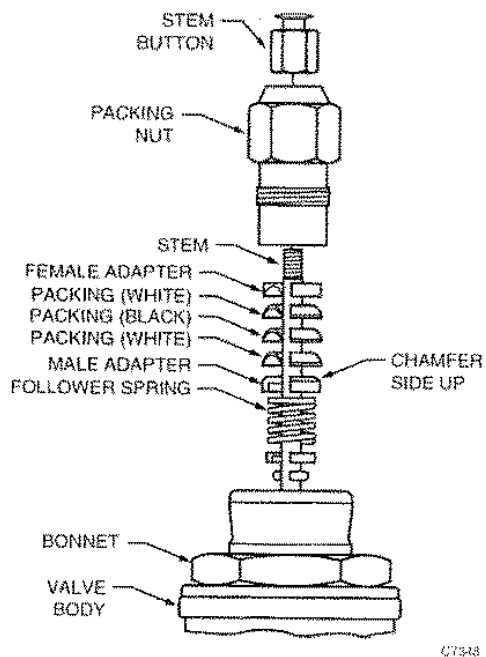


Fig. 2. Valve with Chevron Packing and 3/8 Inch Stem.

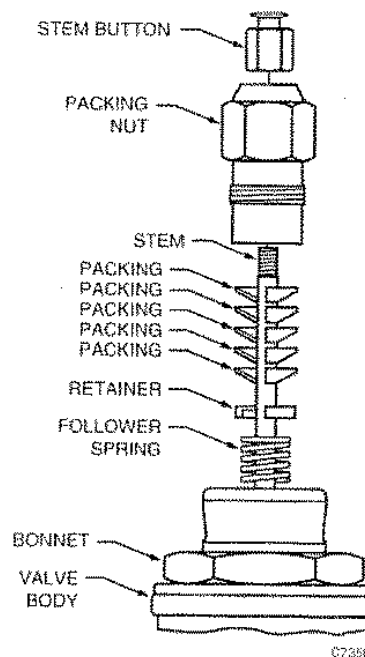


Fig. 4. Valve with Cone Packing and 3/8 Inch Stem.

**Honeywell**

Home and Building Control  
Honeywell Inc.  
Honeywell Plaza  
P.O. Box 524  
Minneapolis, MN 55408-0524

Home and Building Control  
Honeywell Limited-Honeywell Limitée  
740 Ellesmere Road  
Scarborough, Ontario  
M1P 2V9

*Helping You Control Your World*