

Valve Repacking Kit for VG7000 Series Bronze Valves with Stainless Steel Trim

Installation Instructions

Part No. 14-880-176, Rev. A
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Refer to the [QuickLIT website](http://www.quicklit.com) for the most up-to-date version of this document.

Kit Contents

Table 1: VG7000-6011 Kit Contents for 1/4 in. Stem

Quantity	Description
2	Teflon V-rings
1	Rubber V-ring
2	Teflon Stem Wipers
1	Teflon Stem Guide
1	Teflon Bushing
1	Steel Washer
1	Spring
1	Insertion/Removal Tool
1	Bullet
1	Grease Tube
1	3 in. Crocus Cloth
1	Instruction Sheet

Table 2: VG7000-6012 Kit Contents for 3/8 in. Stem

Quantity	Description
2	Teflon V-rings
1	Rubber V-ring
2	Teflon Stem Wipers
1	Teflon Stem Guide
1	Teflon Bushing
1	Steel Washer
1	Spring
1	Insertion/Removal Tool
1	Sleeve Packing Installer
1	Grease Tube
1	3 in. Crocus Cloth
1	Instruction Sheet
2	Teflon V-rings

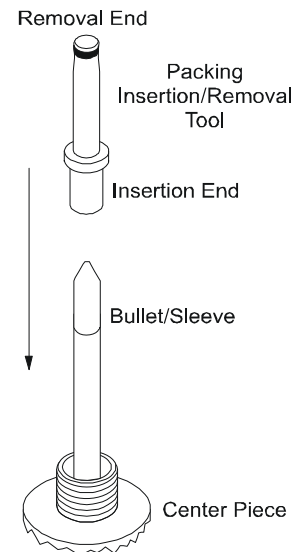


Figure 1: Packing Insertion/Removal

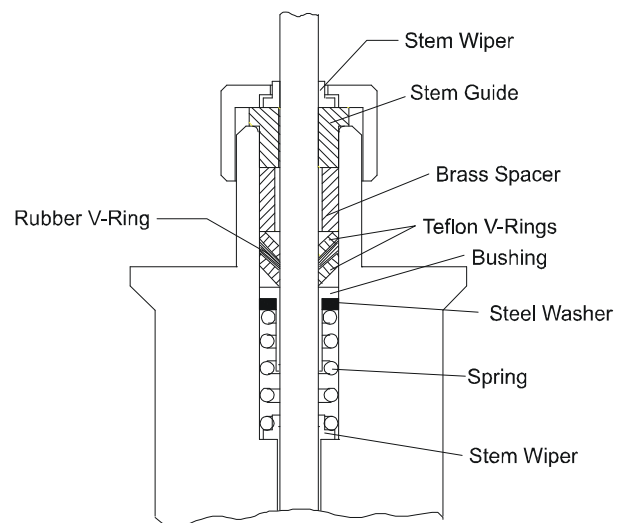


Figure 2: Packing Installation

Actuator Removal

1. Disconnect the control signal.
2. Remove the actuator and spring (if present).
3. Refer to the appropriate actuator product bulletin for specific instructions on safe removal of the valve actuator.

Repacking Procedure

See Figure 1 and Figure 2.

1. Isolate the valve from the system and relieve any pressure.
 2. Remove and retain the packing nut.
 3. Remove and discard the stem wiper and stem guide.
 4. Remove and retain the brass spacer, using the small end of the packing insertion/removal tool.
 5. Using the small end of the packing insertion/removal tool, remove and retain the brass spacer. Then, use the tool to remove and discard the teflon and rubber v-rings.
 6. Remove and discard the teflon bushing, steel washer, spring, and stem wiper.
 7. Pull up and clean the accessible portion of the valve stem with the provided crocus cloth.
 8. Wipe the stem with a paper towel to remove any grit or debris. If the valve stem is rough or marred, it should not be reused.
 9. Apply a small amount of grease to the inside of the packing box and the valve stem.
 10. Apply a small amount of grease to the stem wiper and place over the valve stem, small end up.
 11. Apply a small amount of grease to the outside diameter and the ends of the spring, and place over the valve stem.
 12. Apply a small amount of grease to the steel washer and place over the valve stem.
 13. Apply a small amount of grease to the outside diameter of the teflon bushing and place over the valve stem, small end down. The small end should slide inside the spring.
 14. Using the large end of the packing insertion/removal tool, push the components down into the packing box.
 15. Slide the bullet (1/4 in. stems) or sleeve (3/8 in. stems) over the stem threads.
 16. Apply a small amount of grease to the outside and inside diameters of the v-rings and place over the valve stem, small end down. The rubber v-ring must be between two teflon rings. See Figure 2.
 17. Remove the bullet or sleeve.
 18. In order, place the brass spacer, stem guide (small end down), and stem wiper (small end up) over the valve stem.
 19. Install the packing nut onto the packing box.
 20. Tighten the packing nut until fully seated.
- Note:** Overtightening the packing nut may cause the stem to bind.
21. Move the stem up and down by hand to ensure that it operates freely.
 22. Assemble the actuator and associated hardware back onto the valve.
 23. Reconnect the control signal.



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