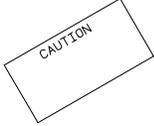


V-5252-668 Ring Pack Packing Kit for 1/2 Inch Diameter Stems

Kit Includes

	Quantity	Description
	2	1/2 Inch Ring Pack Packing
	1	Packing Box Spacer for 1/2 Inch Stem Diameter
	1	Packing Follower
	1/16 ounce	Grease
	1	Sleeve (Packing Assembly Tool)
	3	Crocus Cloth
	1	Caution Label
—	1	Instruction Sheet 14-420-7 (Actuator/Spring Removal)
—	1	Instruction Sheet 14-336-0 (Old Style Actuator Removal)
This Publication	1	Installation Instructions (14-880-141)

Tools Required

- suitable wrench for removal of the packing nut
- two sharp pointed “picks” as described in Step 2a

Remove the Actuator

Refer to Instructions 14-420-7 or 14-366-0 for old style actuators made prior to 8302 (1983, week 2) for actuator removal. These instructions are included in this kit. Disconnect the control line and remove the actuator.



CAUTION: Read the applicable publication completely before attempting to remove an actuator. Observe all safety precautions.

Replace the Packings

1. Refer to Figure 1. Remove and retain the brass packing nut ①. Remove and discard the existing packing follower ② (stem guide).
- 2a. **For Valves with Ring Pack Seals:**

Refer to Figure 1. Remove and discard the existing packings ③. Use two sharp, pointed tools, one on each side of the stem, to hook and lift the packing out of the packing box. Remove the packing down to the spacer ④—the spacer will be reused. Check to make certain that no parts from the old packing, other than the spacer, remain in the stuffing box. Be careful not to scratch the stem or the packing box walls. Go to Step 3.
- 2b. **For Valves with Cone Packings:**

Refer to Figure 2. Remove and discard the existing cone packing ③, spring seat ④, and packing spring ⑤, if present.
3. Pull up and clean the accessible portion of the valve stem with the crocus cloth provided. Wipe the stem with a paper towel to remove any grit and debris. **Note: If the stem is still rough or marred, the stem must be replaced.**
4. Refer to Figure 2. If replacing cone packings, drop the new spacer ④ into the stuffing box. A new spacer is included with this kit.
5. Refer to Figure 3. Be sure that the O-rings are already positioned in the U-cups (Figure 4) before applying grease. Apply a small amount of grease to the inside circumference of the ring packs ③, to the inside wall of the stuffing box, and on the valve stem where it enters the stuffing box.
6. Refer to Figure 3. Slide the two ring packs ③ onto the sleeve, O-ring side down. Slide the sleeve over the threaded portion of the stem. Push both of the ring packs off the sleeve onto the stem and remove the sleeve.
7. Refer to Figure 1. Slide the new packing follower ② onto the stem with the flanged end up. Use the packing follower to push the ring packs ③ into position in the stuffing box.

8. Refer to Figure 1. Install the packing nut ① onto the stuffing box. Tighten the packing nut 1/8 turn past “finger tight.”
9. Move the stem up and down by hand to be sure it operates freely. Refer to Instruction Sheet 14-420-7 or 14-336-0 for actuators made before 8302 (1983, week 2) for reassembling the valve actuator.

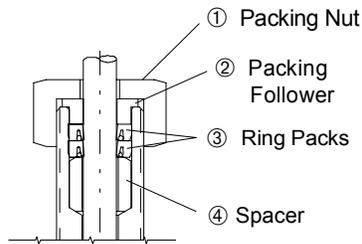


Figure 1: Valves with Ring Pack Seals

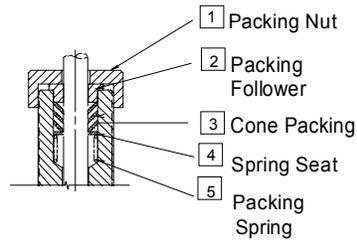


Figure 2: Valves with Cone Packings

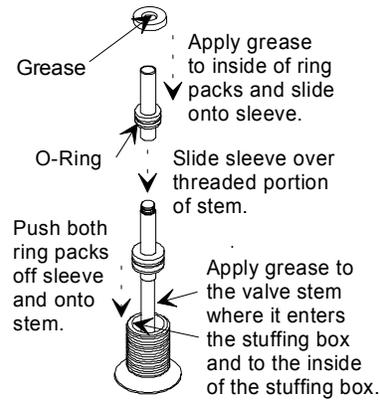


Figure 3: Installing Ring Packs

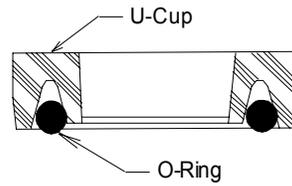


Figure 4: Ring Pack Packing