

OPERATOR'S CARD

P/N 187 674A

Rhinor Unloader Packing Gland Replacement

Safety



WARNING: Allow only qualified personnel to perform the following tasks. Observe and follow the safety instructions in this document and all other related documentation.



WARNING: Relieve pressure before disconnecting any hydraulic and coupling connections. Failure to observe may result in serious injury or equipment damage.

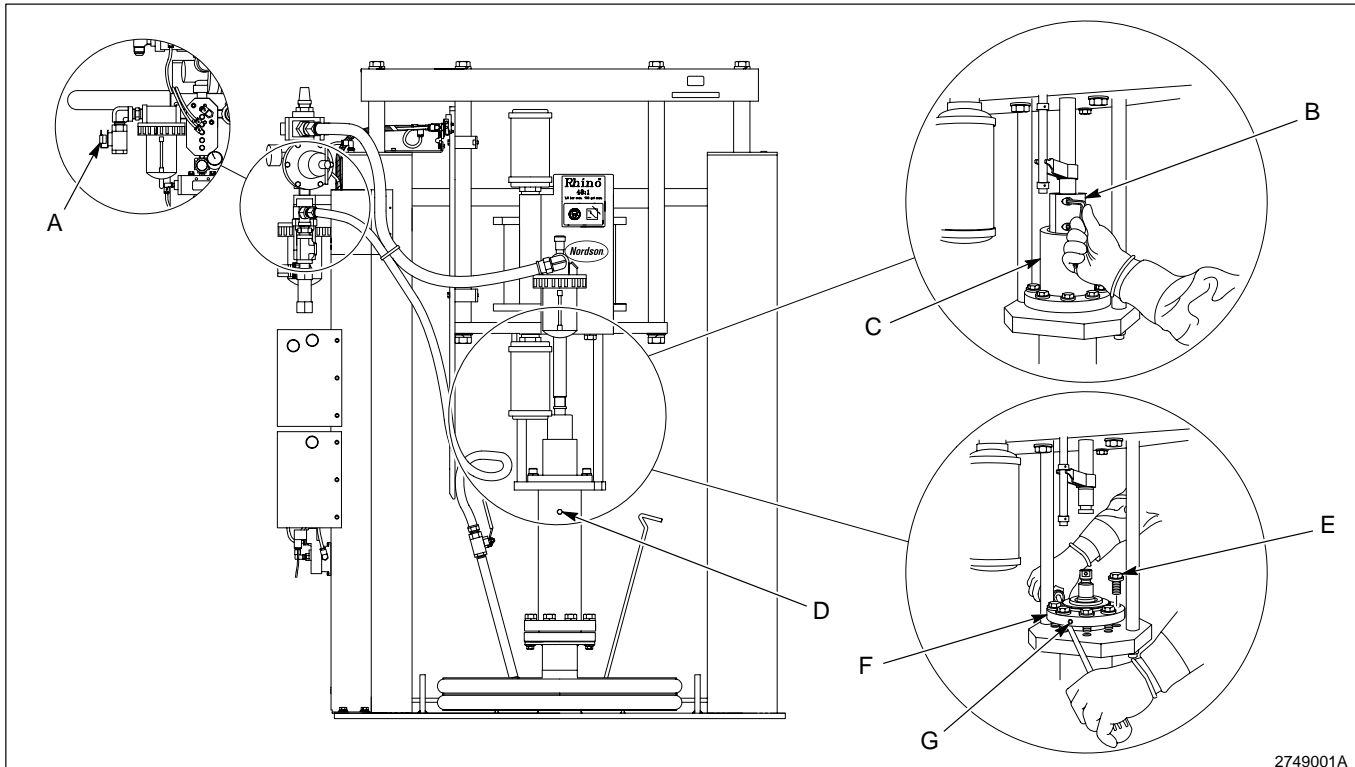


WARNING: Do not open the bleed valve more than two turns. The bleed valve and material may be forced from the valve body, resulting in personal injury.

NOTE: The following illustrations, shown with guards removed, may not precisely match your bulk unloader model. The unloaders portrayed may be equipped with options that your unloader does not have. If you have any questions about this procedure and how it may differ from your unit, contact your Nordson representative. Replace any guards removed for servicing when you are finished.

See figures as needed to locate unloader components.

Packing Gland Removal

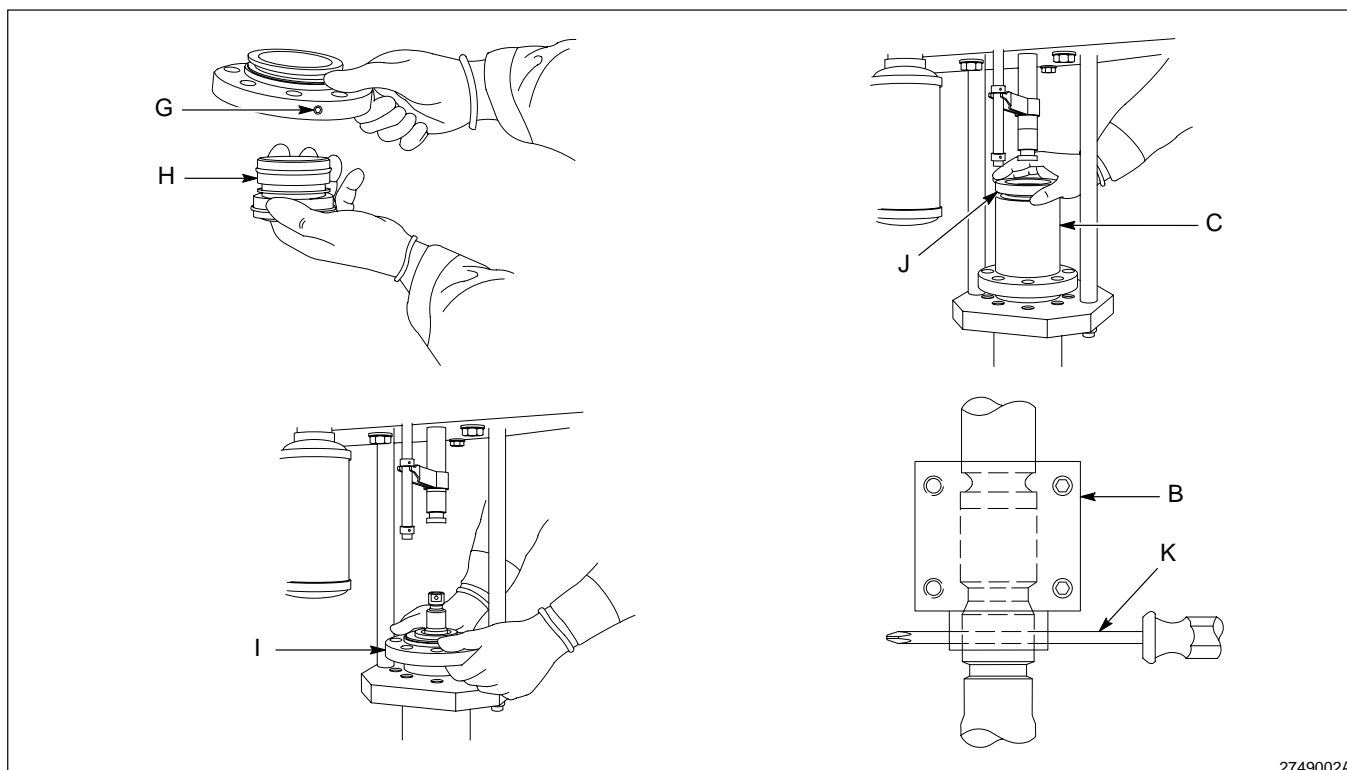


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1. Place the elevator in NEUTRAL and lock out the compressed air supply (A).
2. Bleed the hydraulic pressure through the bleed valve (D) and guns.
3. Remove the coupling from the plunger (B). Drain and remove the solvent chamber (C).
4. Remove the lockout (A). Push the pump rod down with the air motor shaft and then raise the air motor shaft. Lock out air (A).
5. Remove the hex-head screws and lock washers (E).
6. Remove the retainer and packing gland by placing screwdrivers in the chamfered areas (F).
7. Loosen the set screws (G) and remove the gland from the retainer.
8. Clean and inspect the plunger for wear. A worn plunger will cause premature seal wear and leakage of the new gland.

NOTE: Before installing new packing glands, clean the mating surfaces of the mounting flange, packing gland, and plunger. Lubricate all seals and O-rings with compatible lubricant.

Packing Gland Installation



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1. Install the gland retainer over the packing gland (H). Turn the set screws (G) until they just touch the packing gland. You must be able to rotate the gland in the gland retainer.
2. Install the gland retainer and packing gland over the plunger (I).
3. Install the solvent chamber (C). Place the gland insertion tool over the solvent chamber (J).
4. Remove the lockout (A) and set the air motor to operate at LOW pressure and SLOW stroke.
5. Use air motor to push assembly until the gland retainer bottom is within 19 cm (0.75 in.) of mounting flange. Lock out air pressure (A) to air motor.
6. Install the lock washers and hex-head screws (E) through the retainer and into the mounting flange. Tighten the screws evenly to 95 N•m (70 ft-lb).
7. Remove the gland insertion tool (J) and solvent chamber (C).
8. Use coupling (B) with screws and screwdriver as shown (K) to raise plunger. Then, remove coupling.
9. Install the solvent chamber (C).
10. Remove the lockout (A) and operate the air motor slowly to bring the shaft and plunger together.
11. Lock out air pressure to the air motor (A). Install the coupling (B) using removable thread-locking compound.
12. Fill solvent chamber (C) with appropriate solvent to approximately 4 cm (1.5 in.) from top.
13. Close the pump bleed valve (D).

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