

Packing Conversion Kits

306945H

212080 Kit (Polyurethane)

For 40:1 Bulldog® Pumps

207021 Kit (Polyurethane)

For 24:1 President® Pumps



Read warnings and instructions.

PROVEN QUALITY. LEADING TECHNOLOGY.

Pressure Relief Procedure

**WARNING**



Pressure Relief Procedure:

To reduce the risk of serious bodily injury, including injection; splashing in the eyes; or injury from moving parts, always follow this procedure before disassembling the pump.

1. Engage the gun safety latch.
2. Shut off the air to the pump.
3. Close the bleed-type master air valve (required in your system).
4. Disengage the gun safety latch.
5. Hold a metal part of the gun firmly to the side of a grounded metal pail. Trigger the gun to relieve pressure.
6. Engage the gun safety latch.
7. Having a container ready to catch the drainage, open the drain valve (required in your system).
8. Leave the drain valve open until you are ready to spray again.

If you suspect that the spray tip or hose is completely clogged, or that pressure has not been fully relieved after following the steps above, **VERY SLOWLY** loosen the tip guard retaining nut or hose end coupling and relieve pressure gradually, then loosen completely. Now clear the tip or hose.

Installation of kit 212808

Refer to the separate pump instruction manual to disassemble the pump. Lubricate the new parts. For the following instructions, reference FIG. 1.

WARNING

To reduce the risk of serious bodily injury, including injection; splashing in the eyes; or injury from moving parts, always follow the **Pressure Relief Procedure** on page 2.

Throat

1. Remove the back-up washers and packing from the throat.
2. One at a time, install the packing and washers in the throat as shown. Be sure the flat side of the packing faces up.

Piston

1. Remove the piston from the displacement rod. Save the cotter pin and ball.
2. One at a time, install onto the piston, the packing (flat side up), spacer, back-up washers, the other packing (flat side down), and washer.
3. Install the piston into the displacement rod; torque it to 80-100 ft.-lb. (110-135 N.m).

Intake Valve

1. Unscrew the intake valve packing nut. Remove the packing.
2. Assemble the packing nut, new packing (flat side down), and seal.

Assembly

Refer to the separate pump instruction manual to assemble the pump. Assemble the new copper gaskets onto the valve stop as shown below.

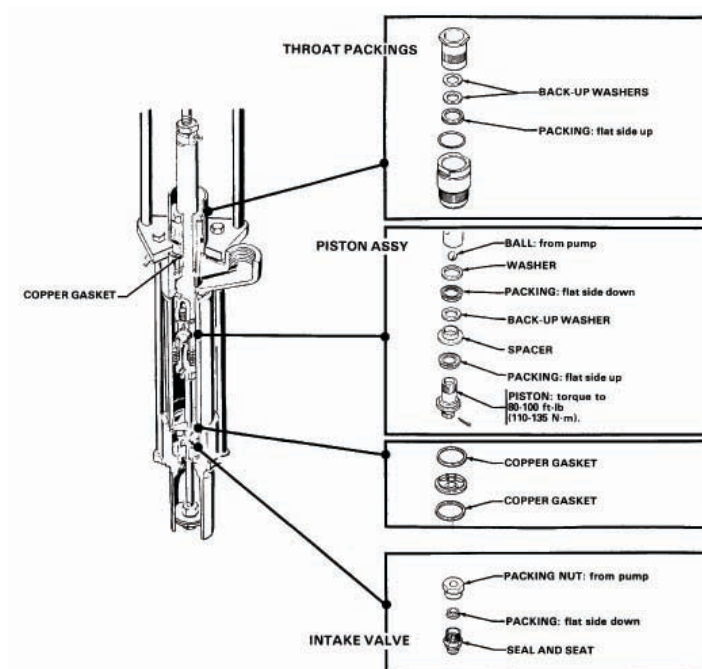


FIG. 1

Installation of kit 207021

Refer to the separate pump instruction manual to disassemble the pump. Lubricate the new parts. For the following instructions, reference FIG. 2.

WARNING





To reduce the risk of serious bodily injury, including injection; splashing in the eyes; or injury from moving parts, always follow the **Pressure Relief Procedure** on page 2.

Throat

1. Remove the packing and packing back-ups from the throat.

2. Install the new packing (flat side up) and spacer as shown.

Intake Valve

1. Unscrew the intake valve packing nut. Remove the packings, back-up, intake valve seal, and gasket.
2. Assemble the packing nut, new packing, valve seal, and gasket as shown.

Assembly

Refer to the separate pump instruction manual to assemble the pump.

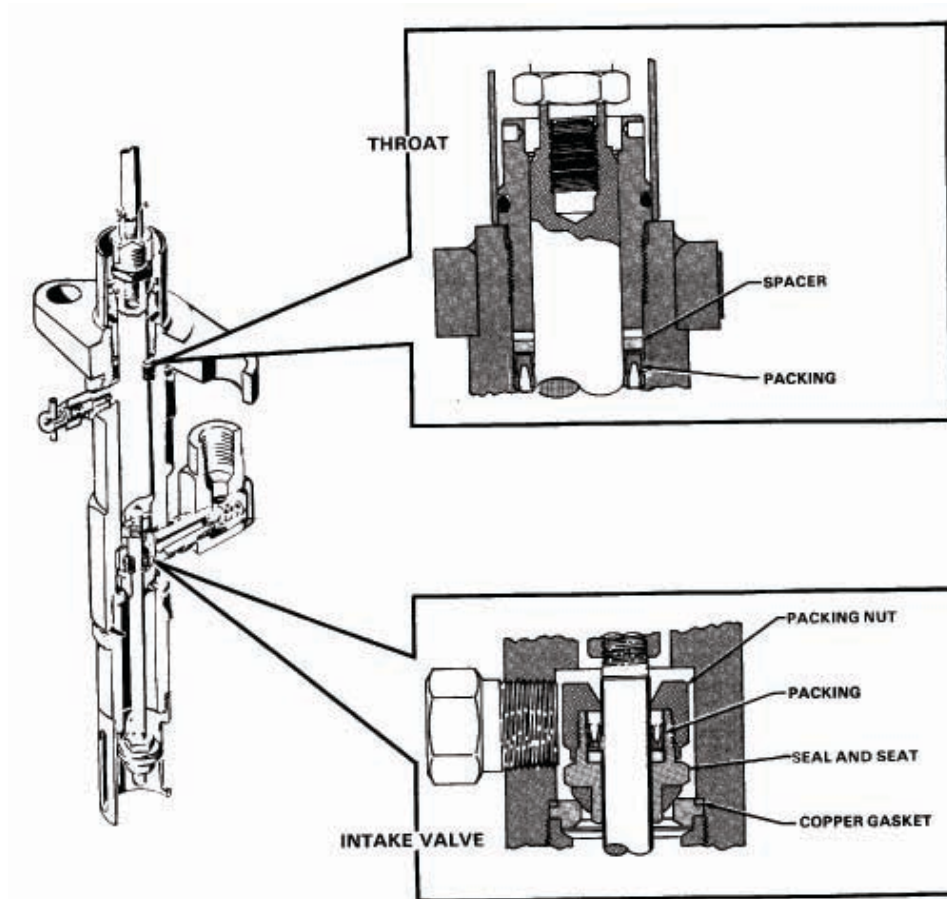


FIG. 2

Parts

212080 Kit (Polyurethane) for 40:1 Bulldog Pumps

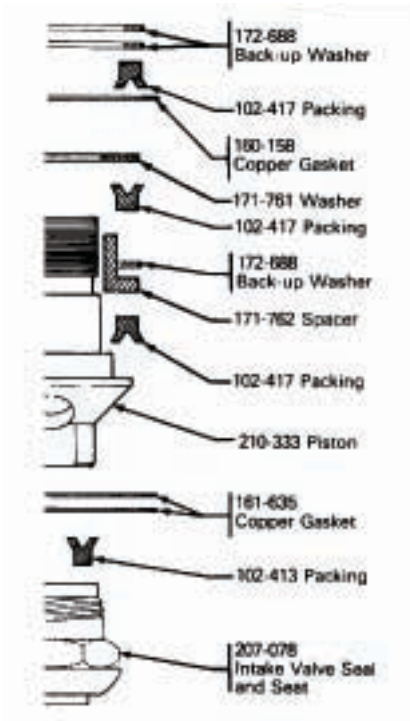


FIG. 3

207021 Kit (Polyurethane) for 24:1 President Pumps

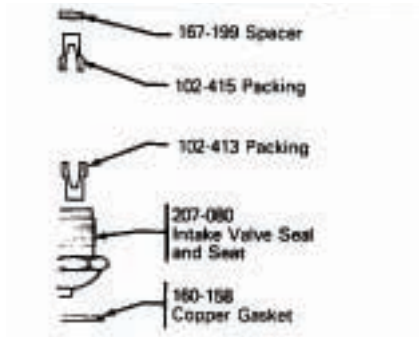


FIG. 4

Graco Standard Warranty

Graco warrants all equipment referenced in this document which is manufactured by Graco and bearing its name to be free from defects in material and workmanship on the date of sale to the original purchaser for use. With the exception of any special, extended, or limited warranty published by Graco, Graco will, for a period of twelve months from the date of sale, repair or replace any part of the equipment determined by Graco to be defective. This warranty applies only when the equipment is installed, operated and maintained in accordance with Graco's written recommendations.

This warranty does not cover, and Graco shall not be liable for general wear and tear, or any malfunction, damage or wear caused by faulty installation, misapplication, abrasion, corrosion, inadequate or improper maintenance, negligence, accident, tampering, or substitution of non-Graco component parts. Nor shall Graco be liable for malfunction, damage or wear caused by the incompatibility of Graco equipment with structures, accessories, equipment or materials not supplied by Graco, or the improper design, manufacture, installation, operation or maintenance of structures, accessories, equipment or materials not supplied by Graco.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized Graco distributor for verification of the claimed defect. If the claimed defect is verified, Graco will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser transportation prepaid. If inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the costs of parts, labor, and transportation.

THIS WARRANTY IS EXCLUSIVE, AND IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

Graco's sole obligation and buyer's sole remedy for any breach of warranty shall be as set forth above. The buyer agrees that no other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental or consequential loss) shall be available. Any action for breach of warranty must be brought within two (2) years of the date of sale.

GRACO MAKES NO WARRANTY, AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IN CONNECTION WITH ACCESSORIES, EQUIPMENT, MATERIALS OR COMPONENTS SOLD BUT NOT MANUFACTURED BY GRACO. These items sold, but not manufactured by Graco (such as electric motors, switches, hose, etc.), are subject to the warranty, if any, of their manufacturer. Graco will provide purchaser with reasonable assistance in making any claim for breach of these warranties.

In no event will Graco be liable for indirect, incidental, special or consequential damages resulting from Graco supplying equipment hereunder, or the furnishing, performance, or use of any products or other goods sold hereto, whether due to a breach of contract, breach of warranty, the negligence of Graco, or otherwise.

FOR GRACO CANADA CUSTOMERS

The Parties acknowledge that they have required that the present document, as well as all documents, notices and legal proceedings entered into, given or instituted pursuant hereto or relating directly or indirectly hereto, be drawn up in English. Les parties reconnaissent avoir convenu que la rédaction du présente document sera en Anglais, ainsi que tous documents, avis et procédures judiciaires exécutés, donnés ou intentés, à la suite de ou en rapport, directement ou indirectement, avec les procédures concernées.

Graco Information

TO PLACE AN ORDER, contact your Graco distributor or call to identify the nearest distributor.

Phone: 612-623-6921 **or Toll Free:** 1-800-367-4023, **Fax:** 612-378-3505

*All written and visual data contained in this document reflects the latest product information available at the time of publication.
Graco reserves the right to make changes at any time without notice.*

Sales Office: Minneapolis
International Offices: Belgium, Korea, Hong Kong, Japan
GRACO INC. P.O. BOX 1441 MINNEAPOLIS, MN 55440-1441
www.graco.com
Printed in USA 306945H
1/2004