

INSTRUCTIONS-PARTS LIST



306968

Rev. T



INSTRUCTIONS

This manual contains important
warnings and information.
READ AND KEEP FOR REFERENCE.

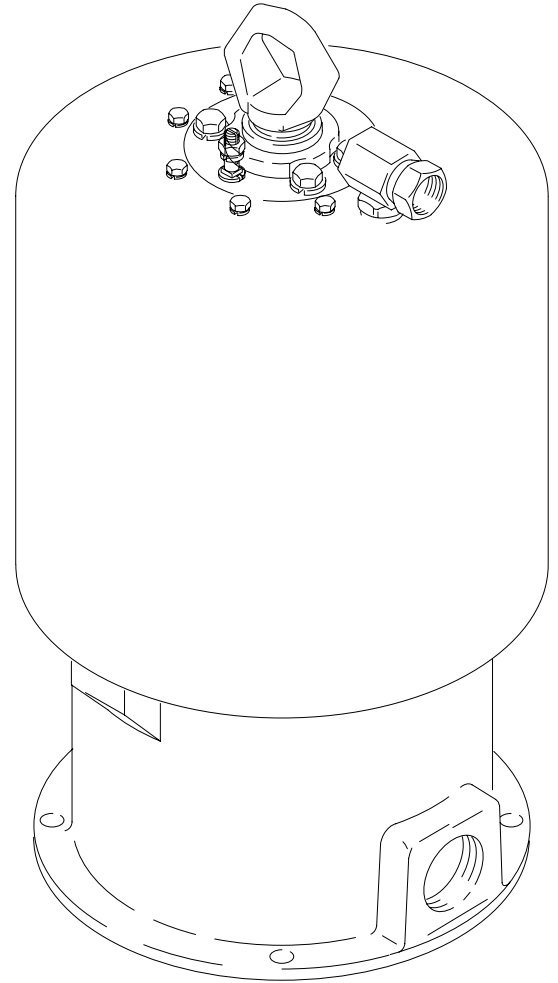
*First choice when
quality counts.™*

10 in. (255 mm) DIAMETER

King[®] Air Motor

90 psi (0.6 MPa, 6 bar) Maximum Air Input Pressure

Model 207647, Series L



7422B

GRACO INC. P.O. BOX 1441 MINNEAPOLIS, MN 55440-1441

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Symbols

Warning Symbol



This symbol alerts you to the possibility of serious injury or death if you do not follow the instructions.

Caution Symbol



This symbol alerts you to the possibility of damage to or destruction of equipment if you do not follow the instructions.

! WARNING



INSTRUCTIONS

EQUIPMENT MISUSE HAZARD

Equipment misuse can cause the equipment to rupture or malfunction and result in serious injury.

- This equipment is for professional use only.
- Read all instruction manuals, tags, and labels before operating the equipment.
- Use the equipment only for its intended purpose. If you are uncertain about usage, call your Graco distributor.
- Do not alter or modify this equipment. Use only genuine Graco parts and accessories.
- Check equipment daily. Repair or replace worn or damaged parts immediately.
- Do not exceed the maximum working pressure stated on the equipment or in the **Technical Data** for your equipment. Do not exceed the maximum working pressure of the lowest rated component in your system.
- Use fluids and solvents which are compatible with the equipment wetted parts. Refer to the **Technical Data** section of all equipment manuals. Read the fluid and solvent manufacturer's warnings.
- Do not use hoses to pull equipment.
- Route hoses away from traffic areas, sharp edges, moving parts, and hot surfaces. Do not expose Graco hoses to temperatures above 180°F (82°C) or below -40°F (-40°C).
- Wear hearing protection when operating this equipment.
- Do not lift pressurized equipment.
- Do not lift the equipment by the air motor lift ring if the total weight of the equipment exceeds 550 lb (250 kg).
- Comply with all applicable local, state, and national fire, electrical, and safety regulations.

WARNING



INJECTION HAZARD

Spray from the gun, hose leaks, or ruptured components can inject fluid into your body and cause extremely serious injury, including the need for amputation. Fluid splashed in the eyes or on the skin can also cause serious injury.



- Fluid injected into the skin might look like just a cut, but it is a serious injury. **Get immediate medical attention.**
- Do not point the gun at anyone or at any part of the body.
- Do not put your hand or fingers over the spray tip.
- Do not stop or deflect leaks with your hand, body, glove or rag.
- Do not “blow back” fluid; this is not an air spray system.
- Always have the tip guard and the trigger guard on the gun when spraying.
- Check the gun diffuser operation weekly. Refer to the gun manual.
- Be sure the gun trigger safety operates before spraying.
- Lock the gun trigger safety when you stop spraying.
- Follow the **Pressure Relief Procedure** on page 6 whenever you: are instructed to relieve pressure; stop spraying; clean, check, or service the equipment; and install or clean the spray tip.
- Tighten all fluid connections before operating the equipment.
- Check the hoses, tubes, and couplings daily. Replace worn, damaged, or loose parts immediately. Permanently coupled hoses cannot be repaired; replace the entire hose.
- Use only Graco approved hoses. Do not remove any spring guard that is used to help protect the hose from rupture caused by kinks or bends near the couplings.



MOVING PARTS HAZARD

Moving parts, such as the air motor piston, can pinch or amputate your fingers.

- Keep clear of all moving parts when starting or operating the pump.
- Before servicing the equipment, follow the **Pressure Relief Procedure** on page 6 to prevent the equipment from starting unexpectedly.

WARNING



FIRE AND EXPLOSION HAZARD

Improper grounding, poor ventilation, open flames or sparks can cause a hazardous condition and result in a fire or explosion and serious injury.

- Ground the equipment and the object being sprayed. Refer to **Grounding** on page 5.
- If there is any static sparking or you feel an electric shock while using this equipment, **stop spraying immediately**. Do not use the equipment until you identify and correct the problem.
- Provide fresh air ventilation to avoid the buildup of flammable fumes from solvents or the fluid being sprayed.
- Keep the spray area free of debris, including solvent, rags, and gasoline.
- Electrically disconnect all equipment in the spray area.
- Extinguish all open flames or pilot lights in the spray area.
- Do not smoke in the spray area.
- Do not turn on or off any light switch in the spray area while operating or if fumes are present.
- Do not operate a gasoline engine in the spray area.



TOXIC FLUID HAZARD

Hazardous fluid or toxic fumes can cause serious injury or death if splashed in the eyes or on the skin, inhaled, or swallowed.

- Know the specific hazards of the fluid you are using.
- Store hazardous fluid in an approved container. Dispose of hazardous fluid according to all local, state and national guidelines.
- Always wear protective eyewear, gloves, clothing and respirator as recommended by the fluid and solvent manufacturer.

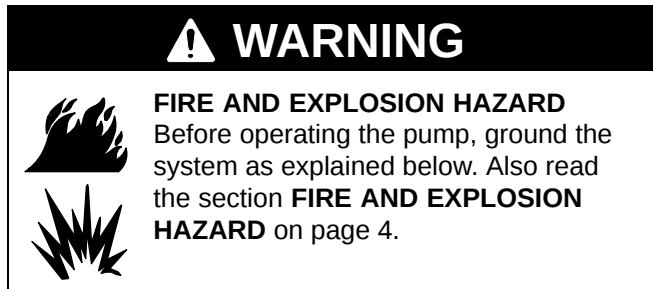
Installation

General Information

NOTE: Reference numbers and letters in parentheses in the text refer to the callouts in the figures and the parts drawing.

NOTE: Always use Genuine Graco Parts and Accessories, available from your Graco distributor.

Grounding



1. *Pump:* use a ground wire and clamp as shown in Fig. 1. Loosen the grounding lug locknut (W) and washer (X). Insert one end of a 12 ga (1.5 mm²) minimum ground wire (Y) into the slot in lug (Z) and tighten the locknut securely. Connect the other end of the wire to a true earth ground. Order Part No. 237569 Grounding Clamp and Wire.
2. *Air and fluid hoses:* use only electrically conductive hoses.
3. *Air compressor:* follow manufacturer's recommendations.
4. *Spray gun or dispensing valve:* ground through connection to a properly grounded fluid hose and pump.
5. *Object being sprayed:* follow your local code.
6. *Fluid supply container:* follow your local code.
7. *Solvent pails used when flushing:* follow your local code. Use only metal pails, which are conductive, placed on a grounded surface. Do not place the pail on a nonconductive surface, such as paper or cardboard, which interrupts the grounding continuity.
8. *To maintain grounding continuity when flushing or relieving pressure,* hold a metal part of the spray gun firmly to the side of a grounded *metal* pail, then trigger the gun.

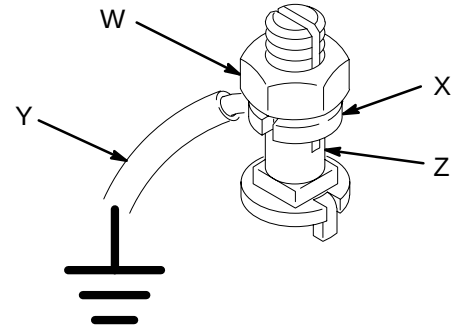


Fig. 1

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Air Motor Icing

Moisture in the compressed air can collect in the air motor and freeze, causing the motor to stall. This is called icing. If icing occurs, shut off the air supply and allow the ice to thaw.

To minimize icing, reduce the moisture in your compressed air supply by using an air dryer or a filter which traps water.

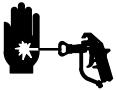
The main air line should slope slightly downward so water will collect at the end of the line, where it can be drained. Additionally, plumb a drop line from the top of each main air line. Install an automatic drain or a drain valve at the bottom of each drop.

For additional help in designing your system, contact your Graco distributor.

Operation

Pressure Relief Procedure

WARNING



INJECTION HAZARD

To reduce the risk of serious injury, including fluid injection, splashing in the eyes or on the skin, or moving parts,

always follow the **Pressure Relief Procedure** whenever you:

- are instructed to relieve the pressure,
- shut off the pump
- stop spraying/dispensing,
- check or service any of the system equipment,
- or install or clean the spray tips/nozzle.

1. Lock the gun/valve trigger safety.
2. Turn off the air to the motor.
3. Close the bleed-type master air valve (required in your system).
4. Unlock the gun/valve trigger safety.

5. Hold a metal part of the gun/valve firmly to a grounded metal pail. Trigger the gun/valve to relieve pressure.
6. Lock the gun/valve trigger safety.
7. Open the fluid drain valve. Leave the fluid drain valve open until you are ready to spray/dispense again.

*If you suspect that the spray tip/nozzle 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 to relieve pressure gradually, then loosen completely. Now clear the tip/nozzle or hose obstruction.*

Preventive Maintenance Schedule

The operating conditions of your particular system determine how often maintenance is required. Establish a preventive maintenance schedule by recording when and what kind of maintenance is needed, and then determine a regular schedule for checking your system.

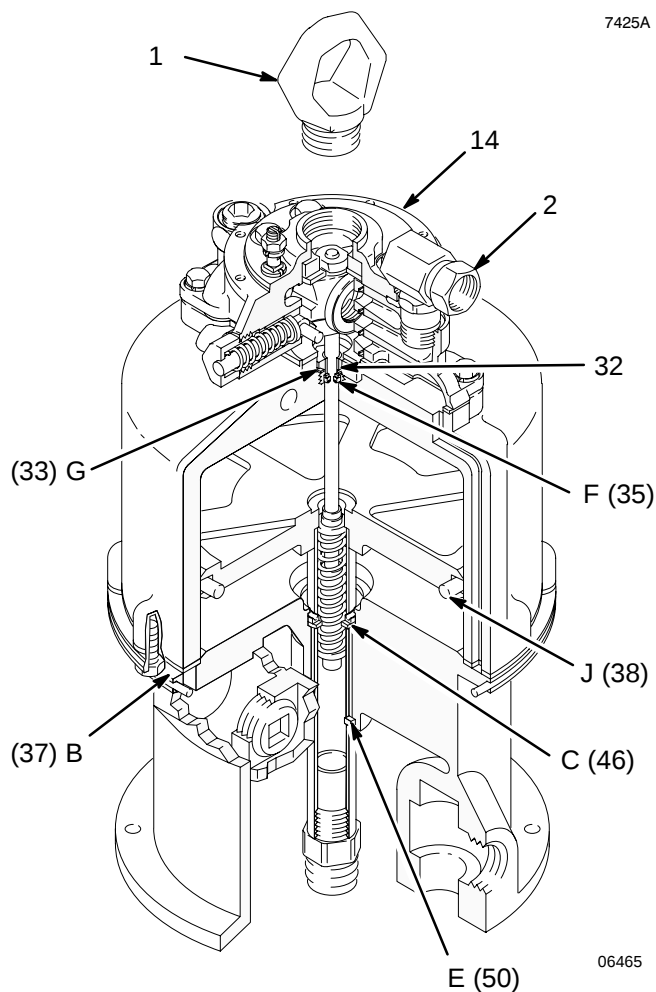
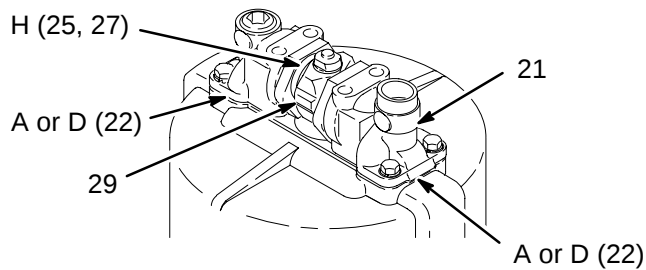
Troubleshooting



WARNING

Moving parts can pinch or amputate your fingers or other body parts. To reduce the risk of serious injury, including amputation, keep fingers out of the detent housing (14) and exhaust openings.

Detail of Air Director Valves



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Fig. 2

Stalled Motor

To restart a stalled motor, remove the lift ring (1) from the detent housing (14) and use a screwdriver to push the air valve housing (29) down. See Fig. 2.

Locating Air Leaks

To locate an air leak, shut off the air supply and disconnect the air hose. Screw the inlet union (2) out of the air manifold (21). Remove the shield (5), then screw the union back into the manifold. Connect the air hose and turn the air on. Do not exceed 40 psi (0.28 MPa, 2.8 bar) incoming air pressure. Use the checking methods listed below in the Check Chart to find where the air is leaking. Refer to Fig. 2.

Check Chart			
Stroke Position	Fig. Ref. Points	Checking Method	Cause of Leakage
UP only (air valve housing down)	A	By feel	Blown air manifold gaskets (22)
	B	By feel	Blown air cylinder gasket (37)
	C	Squirt oil around wiper seal (50)	Worn throat packing (46)
DOWN only (air valve housing up)	D	By feel	Blown air manifold gaskets (22)
	E	By feel	Damaged wiper seal (50)
	F	Squirt oil around bearing (32)	Worn trip rod packing (35)
	G	Squirt oil around bearing (32)	Damaged trip rod bearing gasket (33)
BOTH	H	Squirt oil around air valve housing (29)	Worn air valves (25) or o-rings (27)
	J	Hold paper strip over exhaust holes	Worn piston o-ring (38)

Service

⚠ WARNING



To avoid serious injury and equipment damage, do not lift the equipment by the air motor lift ring if the total weight of the equipment exceeds 550 lb (250 kg). The lift ring cannot support that weight.

NOTE: Repair kit 207730 is available. For best results, use all the new parts in the kit, even if the old ones look good. Parts included in the kit are marked with an asterisk, for example (22*).

NOTE: Inspect all parts as they are disassembled and replace any worn or damaged parts.

Disassembly

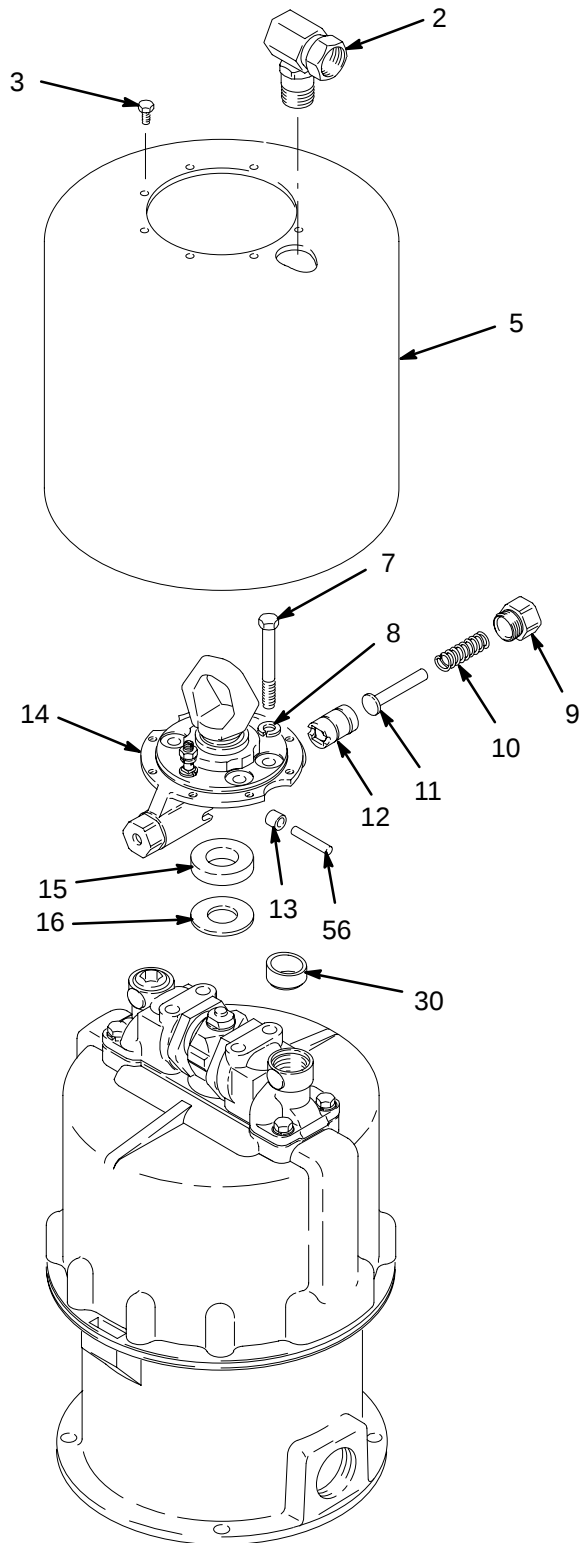
⚠ WARNING

To reduce the risk of serious injury whenever you are instructed to relieve pressure, always follow the **Pressure Relief Procedure** on page 6.

1. Relieve the pressure.
2. Disconnect the displacement pump. Disconnect the ground wire. Set the motor upright on a workbench.

NOTE: Refer to Fig. 3 for steps 3 to 5.

3. Remove the air inlet fitting (2). Remove the screws (3) and lift off the air motor shield (5). Remove the grommet (30).
4. Unscrew the spring retainers (9) and remove the spring (10), guide (11), and plunger (12) from each side of the detent housing (14).
5. Remove the four screws (7) and lockwashers (8) from the detent housing (14). Carefully lift the housing so the rollers (13) and axles (56) do not fall out. Remove the rollers, axles, washer (16), and rubber pad (15).



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Fig. 3

Service

NOTE: Refer to Fig. 4 for steps 6 to 9.

6. **To prevent the spring-loaded director valves (25) from popping out of the air valve housing (29),** hold them in with your fingers. Lift the air valve housing and rotate it 90°, so it rests on the manifolds (21). Remove your fingers slowly, allowing the valve springs to release gently. Remove and inspect the director valves (25), o-rings (27), and springs (28).

⚠ CAUTION

Be careful not to damage the surface of the trip rod (40), which would restrict its free movement. Special padded pliers, Part No. 207579, are available.

7. Pull the trip rod (40) up and grasp it with the padded locking pliers (order Part No. 207579) below the hub (31). Hold the flats of the hub with a wrench, screw off the trip rod nut (17), and remove the air valve housing (29). Remove the lockwasher (18) and screw off the hub. Now release the pliers.

8. Remove the two screws (19) and lockwashers (18) from each air manifold (21). Remove the manifolds and gaskets (22) from the cylinder (36).

⚠ WARNING

The openings in the valve plates (24) are very sharp. Be careful not to cut yourself.

9. Remove and check the valve plates (24) for wear or damage, handling them carefully. Clean the plates and mating surfaces of the manifolds (21).

NOTE: If you replace the valve plates, also replace the seals (23).

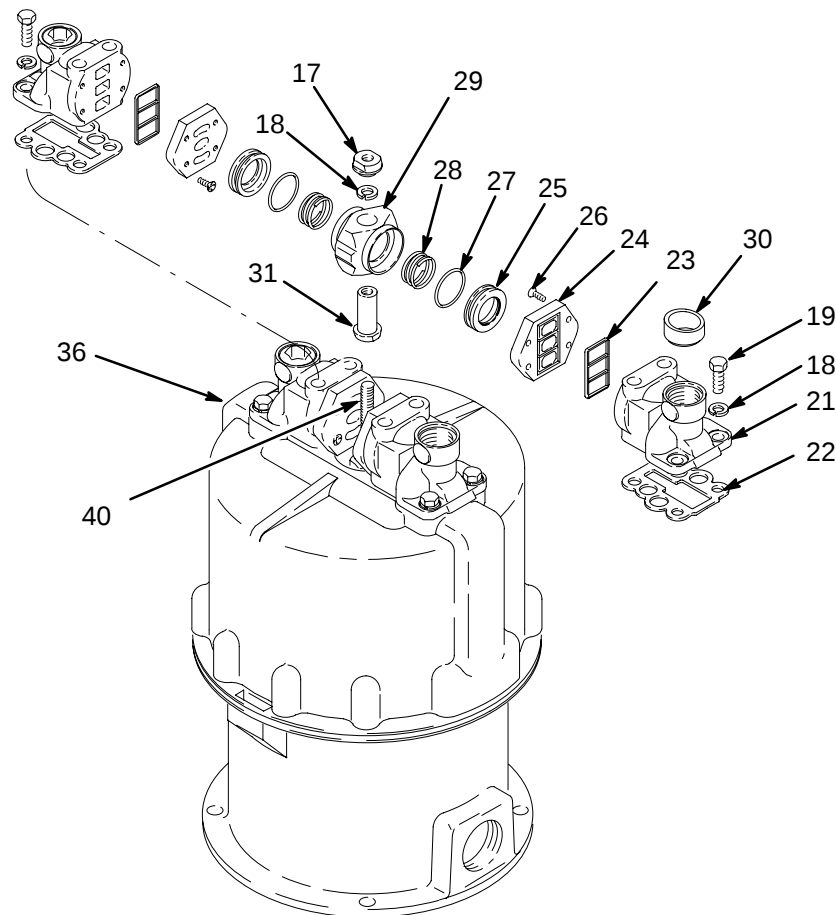


Fig. 4

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Service

NOTE: Refer to Fig. 5 for steps 10 to 17.

10. Remove the washer (16) and rubber pad (15) from the cylinder (36).
11. Remove the trip rod bearing (32), using a 1 in. deep-well socket wrench. Remove the gasket (33), v-block packing (35), and backup washer (34) from the bearing.

CAUTION

Be careful not to tilt the cylinder when removing it from the piston to avoid damaging the smooth inner surface of the cylinder.

12. Remove the screws (51) and carefully pull the cylinder (36) straight up off the piston (39).
13. Pull the piston (39) and trip rod (40) up out of the base (49). Remove the o-ring (38) from the piston.

NOTE: The connecting rod stud (45) is fastened to the piston shaft (39) with anaerobic sealant, and may be difficult to remove.

CAUTION

Be careful not to damage the polished surface of the piston shaft.

14. Lock the hex of the piston shaft (39) in a vise and unscrew the connecting rod stud (45) from the piston shaft.

CAUTION

Handle the trip rod assembly (40) carefully. Nicks and scratches cause premature spring failure.

NOTE: A damaged trip rod cannot be repaired; use a new one.

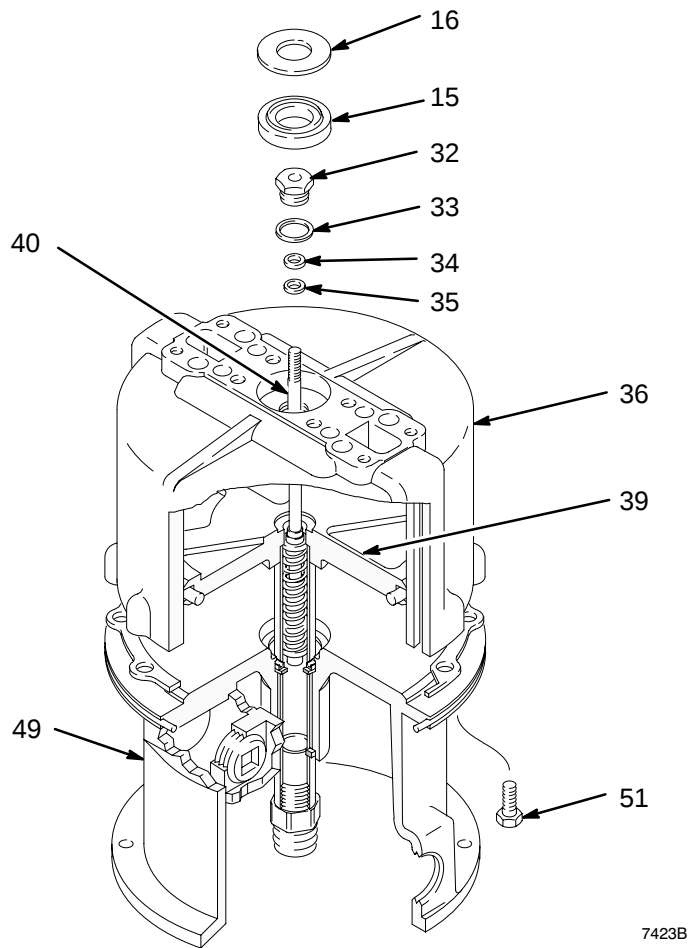
15. Remove the trip rod (40) from the piston (39).

NOTE: Check that the clearance between the inside shoulders of the trip rod spring guides is exactly 5.5 in. (139.7 mm). If the clearance is different, replace the trip rod; do not attempt to adjust it.

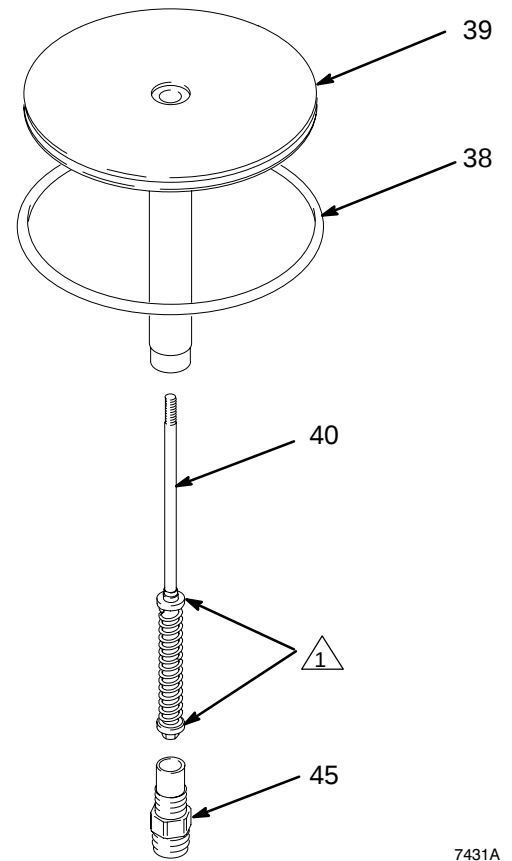
16. Remove the v-block packing (46), backup washer (47), gasket (37), and o-ring (48) from the base (49).

17. Turn the base over. Remove the wiper seal (50). Inspect the bearing (67) in place. Remove only if damaged.

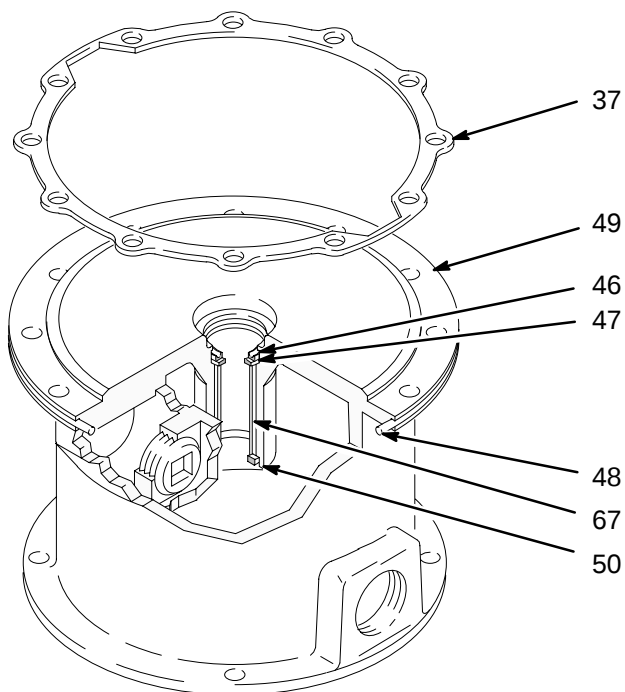
Service



Detail of Piston



Detail of Base



 Clearance between the inside shoulders must be exactly 5.5 in. (139.7 mm).

Fig. 5

[illegible]

Service

Reassembly

1. Clean all parts thoroughly and inspect for wear or damage. Replace parts as necessary.

NOTE: Refer to Fig. 6 for steps 2 to 6.

2. Turn the base (49) upside down.
3. If the bearing (67) was removed, press-fit the new bearing so its top edge is flush with the shoulder (S) of the packing cavity. After installation, measure the inner diameter of the bearing. It must be uniformly 1.375 in. (35 mm) to ensure that the piston shaft does not bind. If incorrect, size the bearing while in place; this can be done with a 1.375 in. diameter steel ball.
4. Grease the wiper seal (50*) and press-fit in the base (49).
5. Turn the base upright. Install the backup washer (47*) in the base (49). Grease the v-block packing (46*) and install it in the base so the lips face up.
6. Place the o-ring (48) onto the air motor base (49). Place the gasket (37) on the base (49) so one of its notches (K) aligns with the optional fluid outlet (L).

-  Inner diameter of the bearing must be uniformly 1.375 in. (35 mm).
-  Grease.
-  Lips of packing must face up.
-  Align notch (K) in gasket (37) with the optional fluid outlet (L) in the base (49).

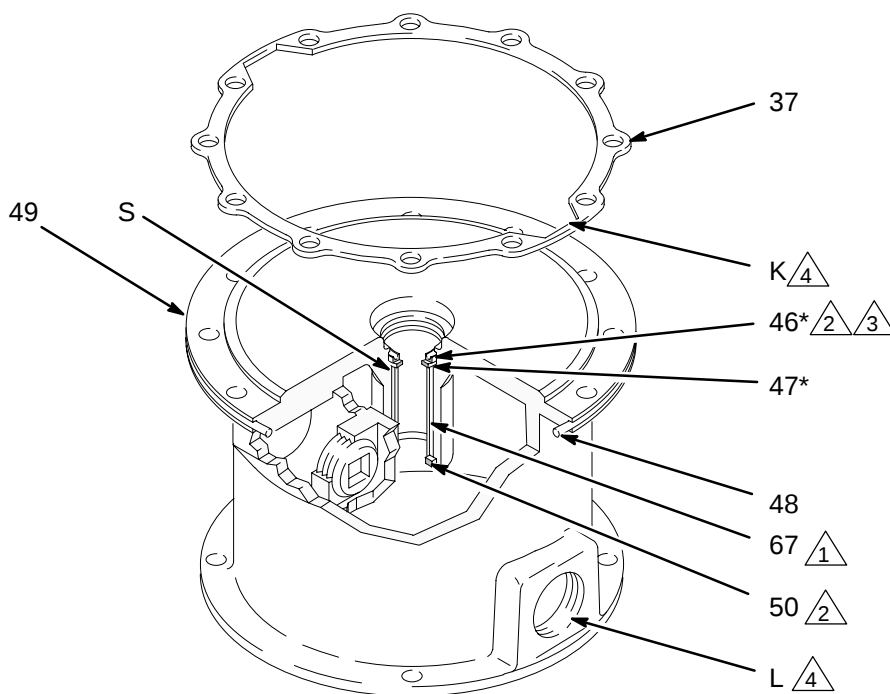


Fig. 6

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Service

NOTE: Refer to Fig. 7 for steps 7 to 11.

7. Grease the trip rod (40) with light, water-proof grease and slide it into the piston (39) shaft. Clean the threads of the piston and the connecting rod stud (45). Apply Loctite® 242 or the equivalent to both. Screw the stud into the piston and torque to 150 ft-lb (203 N•m).
8. Place the cylinder (36) upside down on the base (49). Grease the piston (39), o-ring (38*), and inside of the cylinder. Place the o-ring around the piston; the o-ring is larger than the piston groove. Install the piston in the cylinder so the excess of the o-ring fits into one of the air channels (M) of the cylinder. Use your fingers to push the o-ring out of the channel and seat it in the piston groove. Very carefully lower the piston into the cylinder.

9. Regrease the inside of the cylinder (36). Carefully turn the piston assembly and cylinder over and guide it into the base (49). Align one of the cylinder's air channels (M) with the notch (K) in the gasket (37) and with the optional fluid outlet (L) of the base. Install the screws (51) and torque to 20–25 ft-lb (27–34 N•m).

10. Install the backup washer (34*) and v-block packing (35*) in the bearing (32) so the lips of the packing face *out* of the bearing. Install the gasket (33) on the bearing. Grease the trip rod (40) and thread the bearing onto the trip rod and into the cylinder (36). Use a 1 in. deep-well socket wrench to tighten the bearing to 14–18 ft-lb (19–24 N•m).

11. Install the rubber pad (15) and washer (16) in the cylinder (36).

- | | | |
|---|--|--|
| △1 Grease with light, waterproof grease. | △4 Grease inside wall of cylinder. | △7 Torque to 14–18 ft-lb (19–24 N•m). |
| △2 Apply Loctite® 242 or equivalent to threads. | △5 Torque to 20–25 ft-lb (27–34 N•m). | △8 Align air channel (M) and notch (K) in gasket (37) with the optional fluid outlet (L) in the base (49). |
| △3 Torque to 150 ft-lb (203 N•m). | △6 Lips of packing must face out of the bearing. | |

Detail of Piston

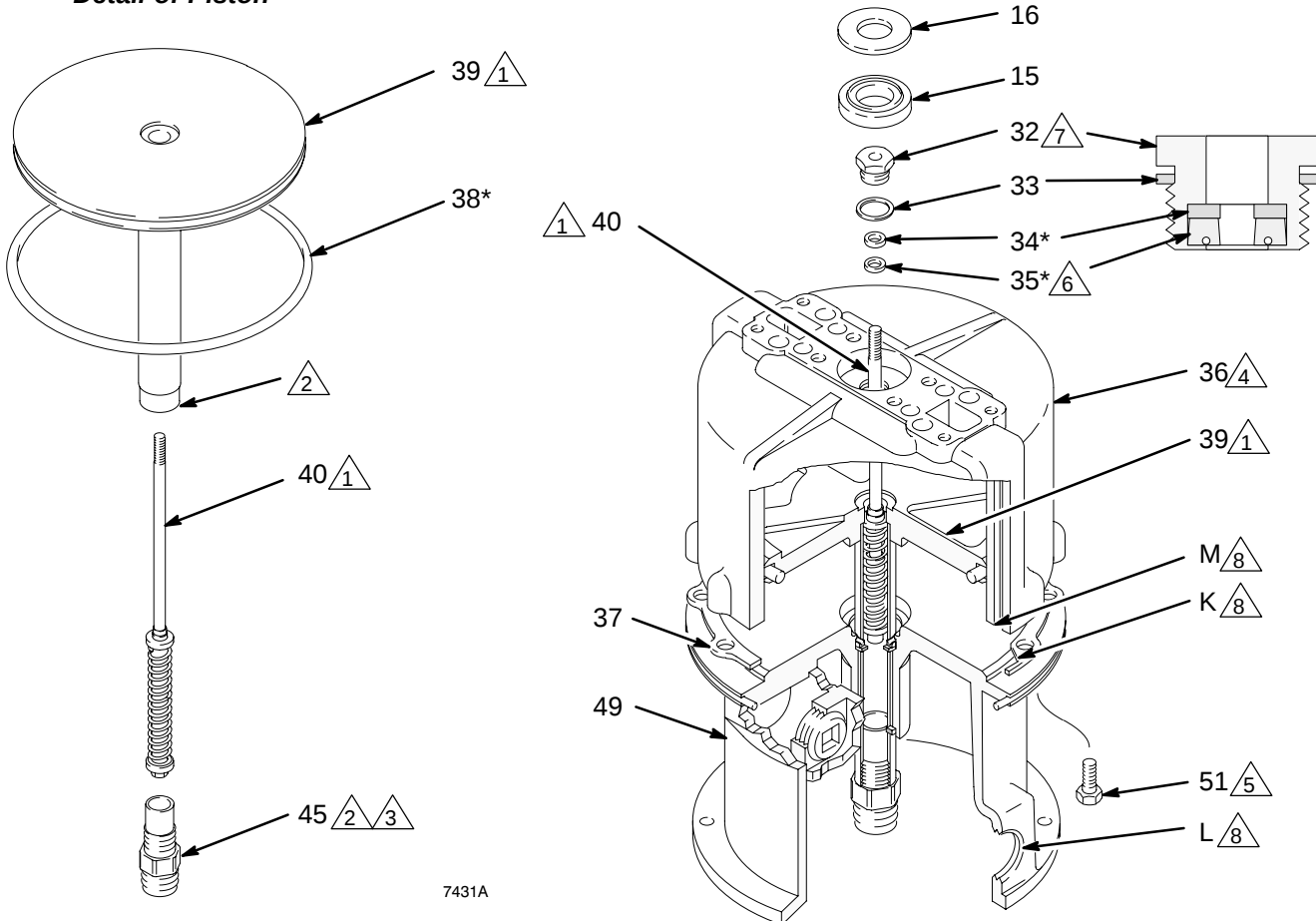


Fig. 7

Service

12. See Fig. 8. Make sure the seals (23) are in place on the valve plates (24). Attach the plates to the manifolds with the screws (26).
13. Place the air valve alignment tool (N, order Part No. 168513) on the trip rod (40). Place the gaskets (22*) on the cylinder (36) so the wide end of the slot aligns with the air channel (M). Install the manifolds (21). The air inlet manifold (the one with the open port, P) must align with the optional fluid outlet in the base (L). Install the screws (19) and washers (18). Remove the tool.

NOTE: The air valve alignment tool (N) ensures proper clearance and alignment for the manifolds.

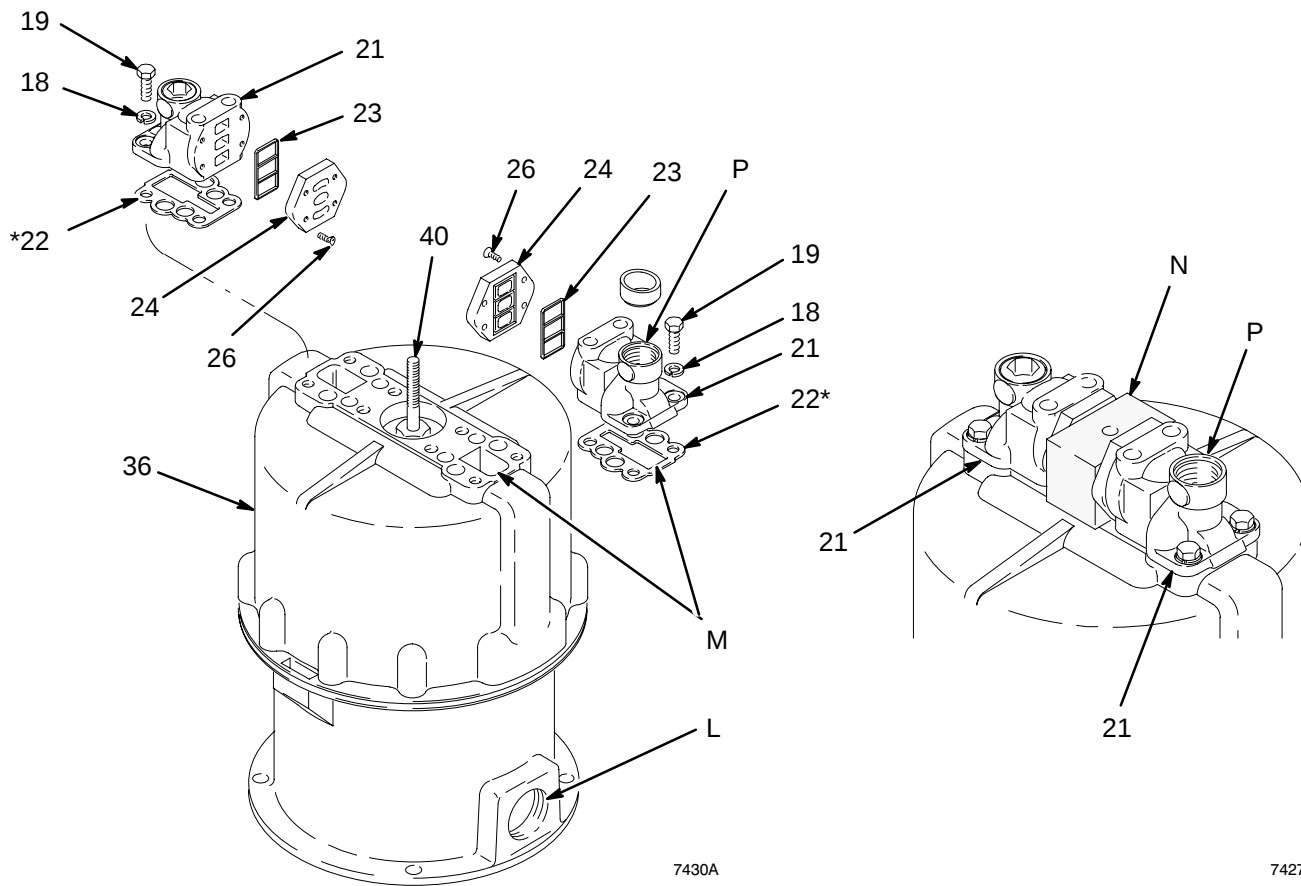


Fig. 8

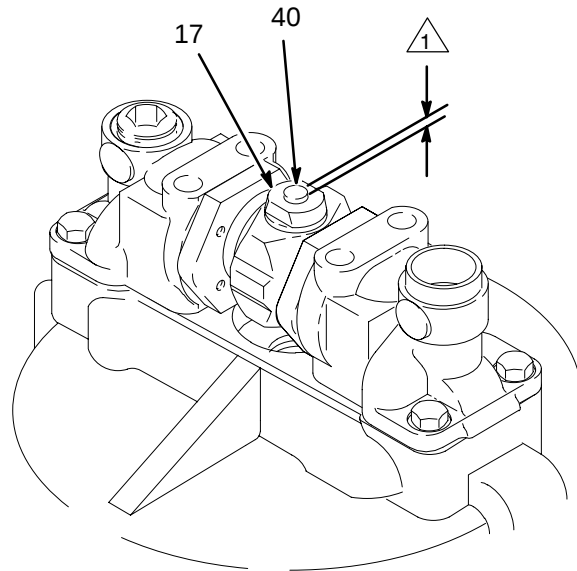
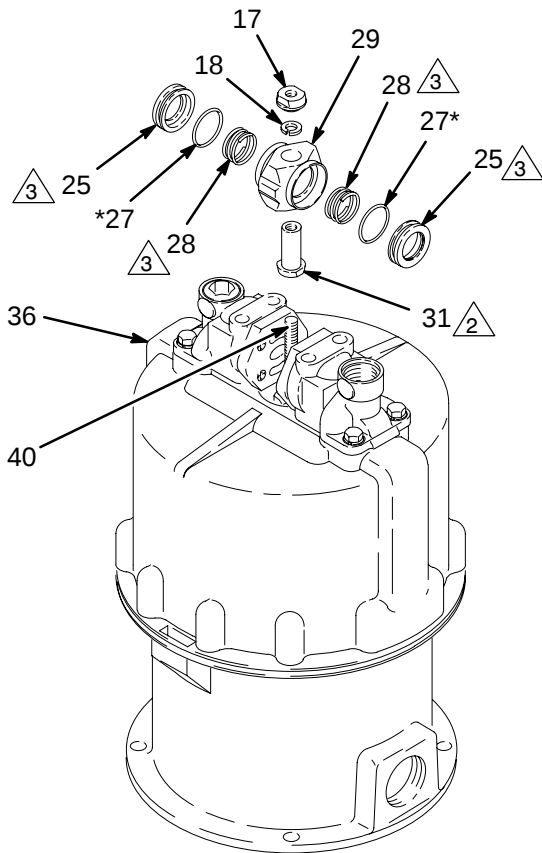
Service

NOTE: Refer to Fig. 9 for steps 14 to 16.

14. Thread the hub (31) onto the trip rod (40). Lift the rod and grasp it with the padded locking pliers. Screw the hub down as far as possible by hand.
15. Install the air valve housing (29), lockwasher (18), and trip rod nut (17) so the nut is flush with the top of the trip rod (40). Tighten the nut 3/4 turn more, so there is 0.031 in. (0.8 mm) clearance between the top of the rod and the top of the nut. Hold the flats of the trip rod nut (17) with a wrench. With another wrench, tighten the hub (31) to 21–25 ft-lb (28–35 N•m). Turn the valve housing (29) so it rests on the manifolds, then release the pliers.

16. Install an o-ring (27*) on each director valve (25). Grease the director valves and springs (28) and place them in each side of the air valve housing (29). Hold the parts in the housing and carefully rotate the housing 90° until it slides down between the manifolds (21). **Be very careful not to damage the air director valves (25).**

- 1 Make top of nut flush with top of trip rod, then tighten 3/4 turn more. Top of nut (17) must be 0.031" (0.8 mm) from end of rod (40).
- 2 Torque to 21–25 ft-lb (28–35 N•m)
- 3 Grease



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Fig. 9

Service

NOTE: Refer to Fig. 10 for steps 17 to 21.

17. Install the rubber pad (15) and washer (16) in the bottom of the detent housing (14). Grease the plunger (12), assemble the axles (56) and rollers (13) and grease them, and install these parts in the detent housing.
18. Position the detent housing (14) on the manifolds (21), and install the washers (8) and screws (7). Tighten securely.
19. Grease the guides (11) and install with the springs (10) into each side of the detent housing (14). Screw the retainers (9) into both sides of the housing; they should readily screw all the way into the housing by hand. If they do not, the detents are not assembled correctly; inspect, and correct any misalignment. Now firmly tighten the retainers (9).

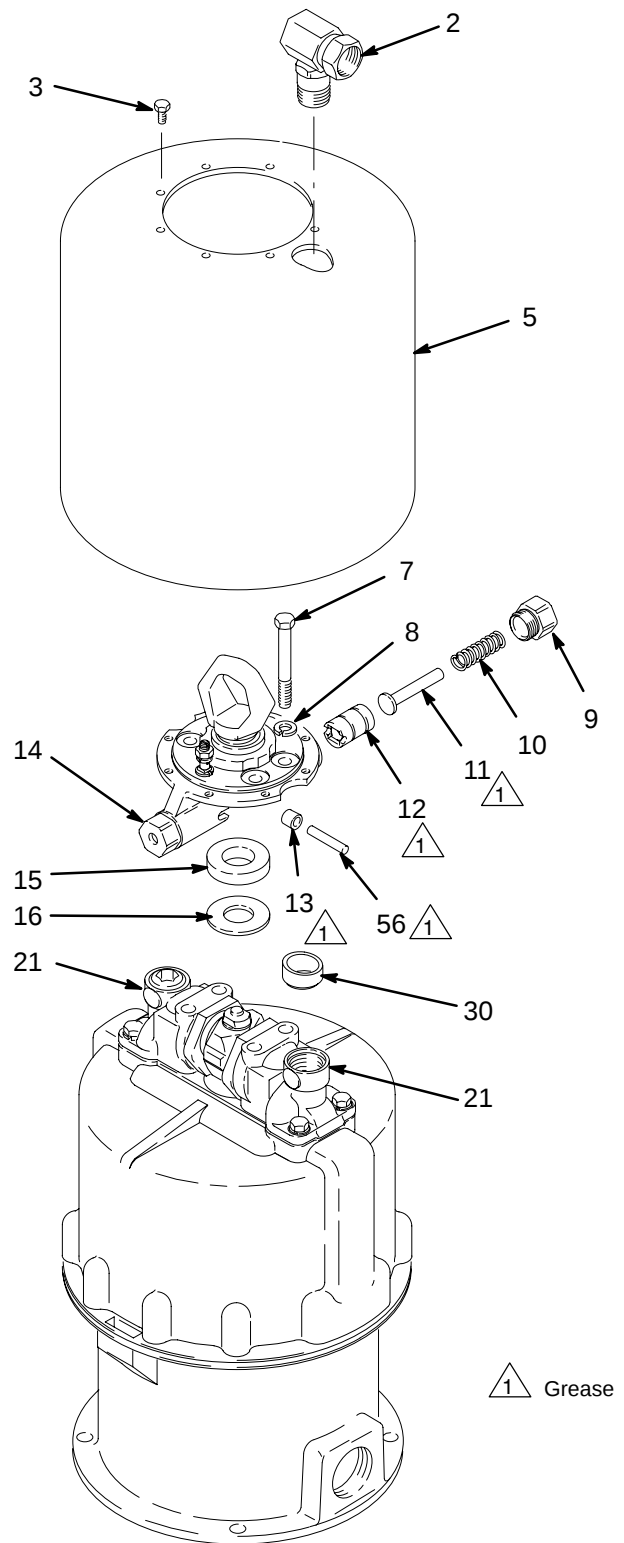
⚠ WARNING



MOVING PARTS HAZARD

Do not operate without the air motor shield in place. Pinching or amputation of fingers or hands may occur. See **MOVING PARTS HAZARD** on page 3.

20. Install the grommet (30), air motor shield (5), and the air inlet fitting (2). Install the screws (3). Re-connect the ground wire.
21. Before connecting the displacement pump, connect an air hose to the motor and run it slowly to check for smooth operation.



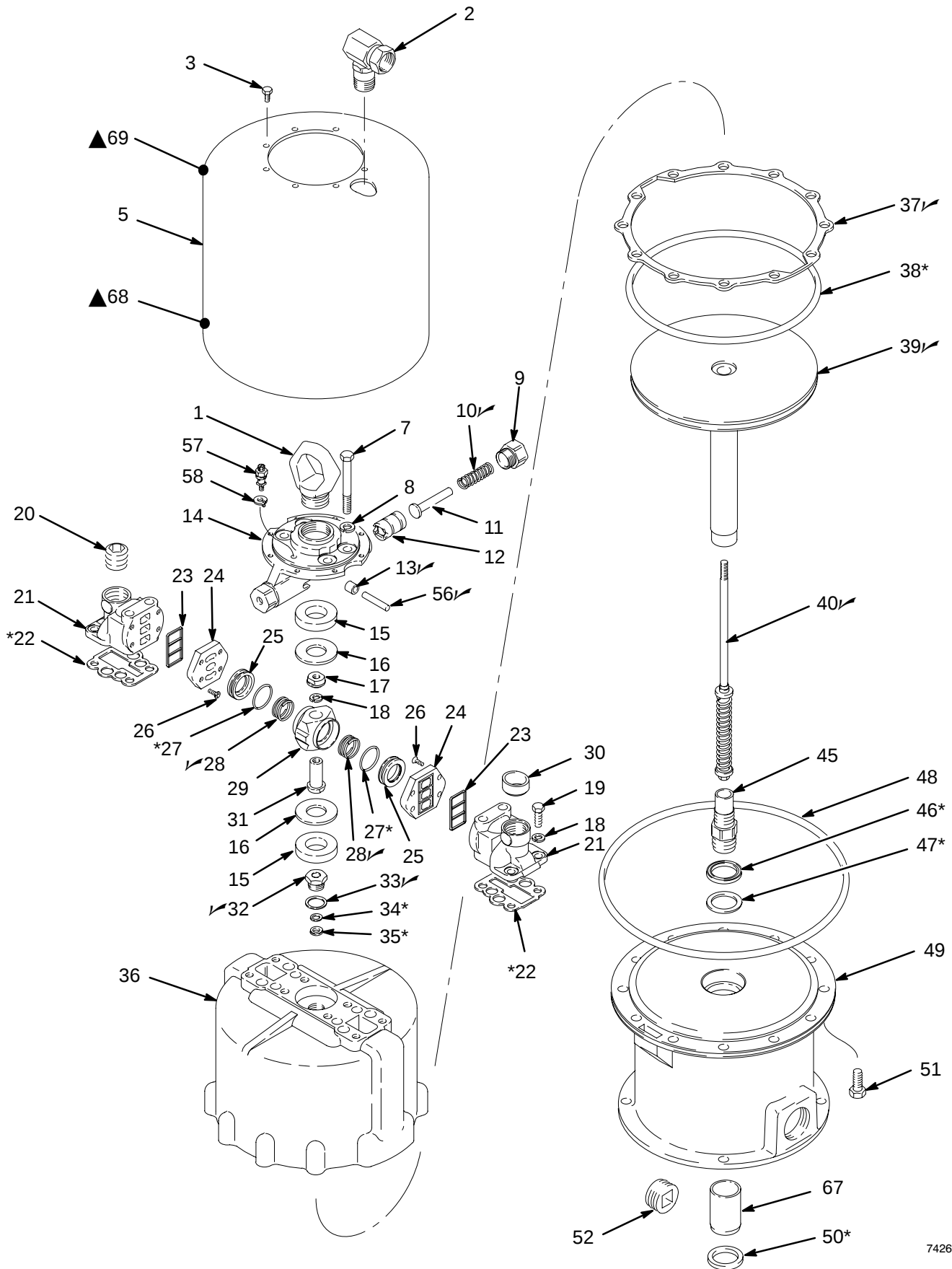
1 Grease

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Fig. 10

Parts

Model 207647, Series L
Includes items 1-69



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Parts

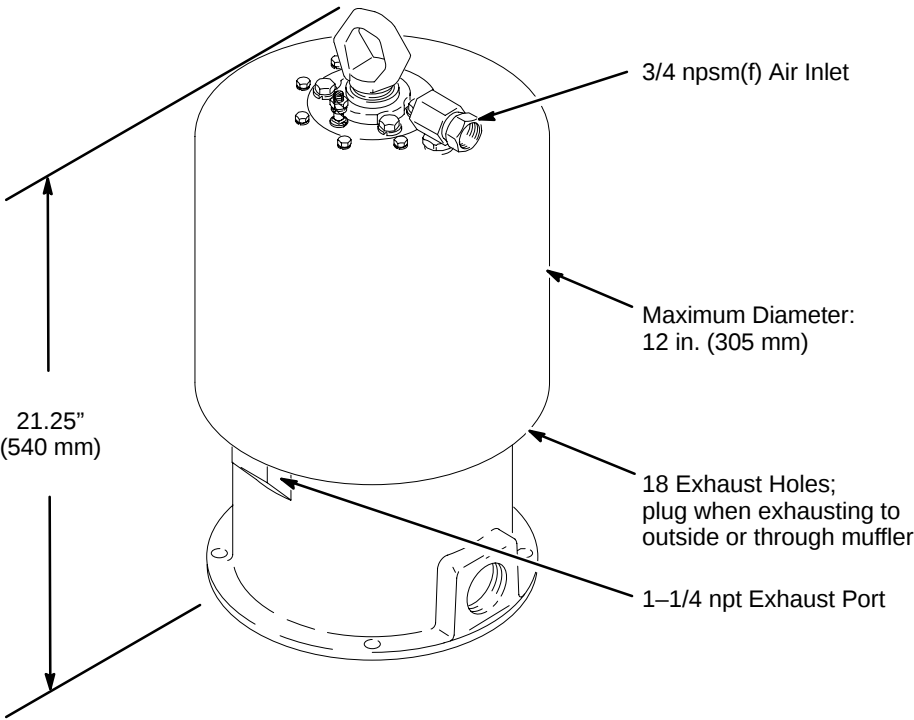
Model 207647, Series L Include items 1–69

Ref No.	Part No.	Description	Qty.	Ref No.	Part No.	Description	Qty.
1	180952	RING, lift	1	34*	161559	WASHER, backup	1
2	207648	UNION, 90° adapter; 3/4 npt(m) x 3/4 npsm (f) swivel	1	35*	161560	PACKING, v-block; polyurethane	1
3	113161	SCREW, hex hd flange; 1/4–20 x 1/2" long	8	36	168191	CYLINDER, air motor	1
5	168188	SHIELD, air motor	1	37✓	168189	GASKET, cylinder; rubber-impregnated cellulose	1
7	101713	SCREW, hex hd cap; 7/16–14 x 3–1/2"	4	38*	102727	O-RING; nitrile rubber	1
8	100052	LOCKWASHER, spring; 7/16"	4	39✓	218962	PISTON ASSY	1
9	161587	RETAINER, detent spring	2	40✓	214852	TRIP ROD ASSY	1
10✓	161589	SPRING, compression	2	45	168180	STUD, connecting rod	1
11	161588	GUIDE, spring	2	46*	161562	PACKING, v-block; buna–N	1
12	169583	PLUNGER, detent	2	47*	161563	WASHER, backup	1
13✓	169585	ROLLER, axle	2	48	102737	O-RING; nitrile rubber	1
14	177664	HOUSING, detent	1	49	235844	BASE, air motor; includes item 67	1
15	161577	PAD, rubber	2	50*	161569	SEAL, felt wiper	1
16	161576	WASHER, flat	2	51	100424	SCREW, hex hd cap; 1/2–13 x 1–1/4 in. long	12
17	161586	NUT, trip rod; 3/8–24	1	52	102725	PLUG, pipe, socket; 1–1/4 npt	1
18	100133	LOCKWASHER, spring; 3/8"	5	56✓	169586	AXLE, detent	2
19	100101	SCREW, hex hd cap; 3/8–16 x 1" long	4	57	104029	LUG, grounding	1
20	102726	PLUG, pipe; socket hd; 3/4 npt	1	58	104582	WASHER, tab	1
21	168187	MANIFOLD, air	2	67	189059	BEARING	1
22*	168183	GASKET, air manifold	2	68▲	290331	LABEL, warning; English	1
23	168184	SEAL, valve plate; buna–N	2	69▲	189991	LABEL, warning	1
24	169584	PLATE, valve	2	* These parts are included in Repair Kit 207730, which may be purchased separately. ✓ Keep these spare parts on hand to reduce down time. ▲ Replacement Danger and Warning labels, tags and cards are available at no cost. The 290331 label is also available in the following languages: German (Part No. 290396) French (Part No. 290397) Spanish (Part No. 290398).			
25	168182	VALVE, air director	2				
26	101716	SCREW, flat hd machine; no. 10–24 x 1/2" long	8				
27*	156698	O-RING; buna–N	2				
28✓	161575	SPRING, compression	2				
29	161585	HOUSING, air valve	1				
30	168185	GROMMET	1				
31	161590	HUB, valve housing	1				
32✓	204649	BEARING, trip rod	1				
33✓	150647	GASKET	1				

Technical Data

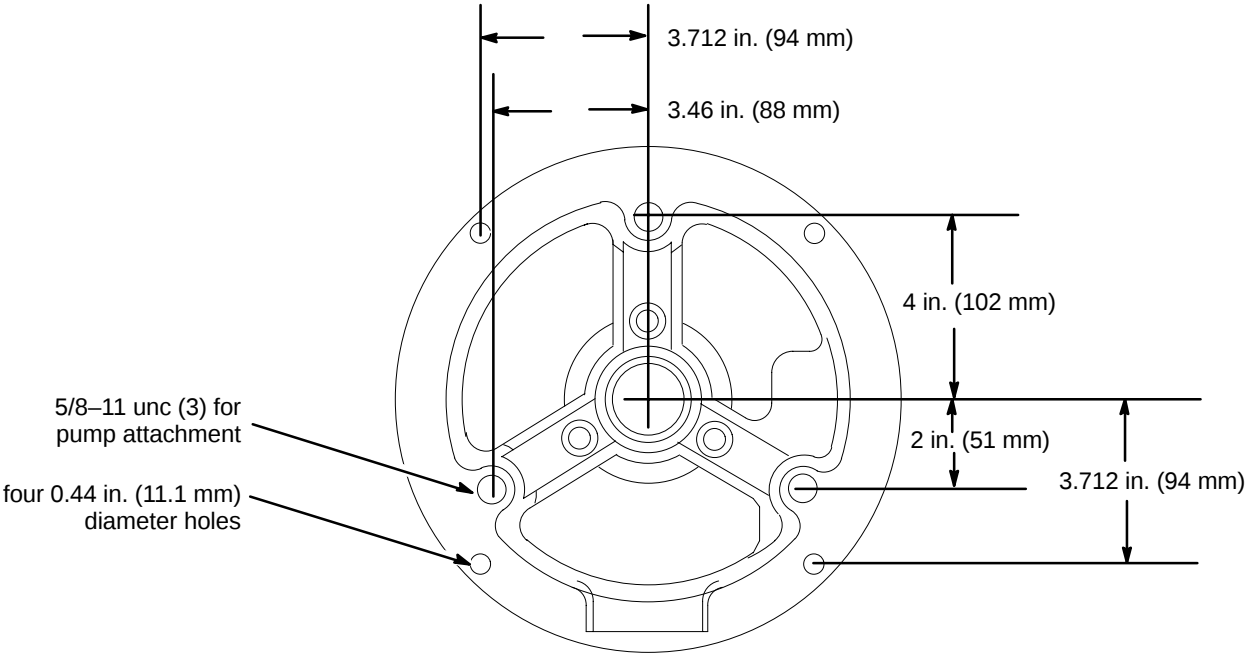
Category	Data
Maximum Incoming Air Pressure	90 psi (0.6 MPa, 6 bar)
Effective Piston Area	78.5 sq. in. (506 cm ²)
Piston Diameter	10 in. (255 mm)
Stroke Length	4.75 in. (121 mm)
Air Valves	SST plate; sliding acetal ring
Valve Housing	Balanced, opposing seals and detent rollers
Seals and Packings	Nitrile rubber
Recommended maximum speed	50 cycles per minute
Weight	75 lb (34 kg)
Air Inlet	3/4 npsm(f)

Dimensions



7422B

Mounting Hole Layout



03702

[illegible]

[illegible]

The Graco Standard Warranty

Graco warrants all equipment manufactured by Graco and bearing its name to be free from defects in material and workmanship on the date of sale by an authorized Graco distributor 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.

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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.

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Graco Phone Number

TO PLACE AN ORDER, contact your Graco distributor, or call this number to identify the distributor closest to you:
1-800-367-4023 Toll Free.

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Graco reserves the right to make changes at any time without notice.*

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