



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

INSTRUCTIONS

First choice when quality counts.™

ACETAL HUSKY™ 307, LIGHT-DUTY CART MOUNT

PRO™ / Delta Spray™ Packages

Metal fluid fittings and hose couplings are stainless steel.

100 psi (0.7 MPa, 7 bar) Maximum Fluid Working Pressure

100 psi (0.7 MPa, 7 bar) Maximum Air Inlet Pressure

Packages with Fluid Pressure Regulators

Model No. 240-385

with hoses and Delta Spray air spray gun

Model No. 240-386

with hoses and Delta Spray HVLP gun

Model No. 240-387

with hoses and PRO 3500sc electrostatic gun

Model No. 240-388

with hoses and PRO 4500sc electrostatic gun

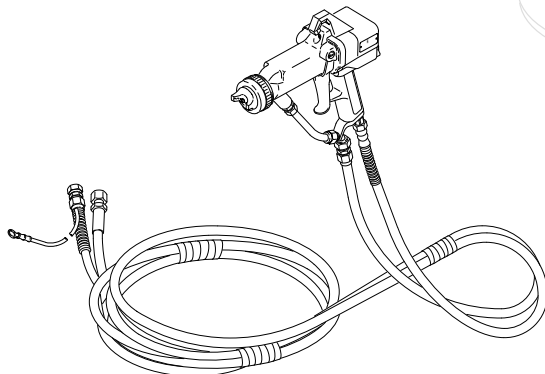
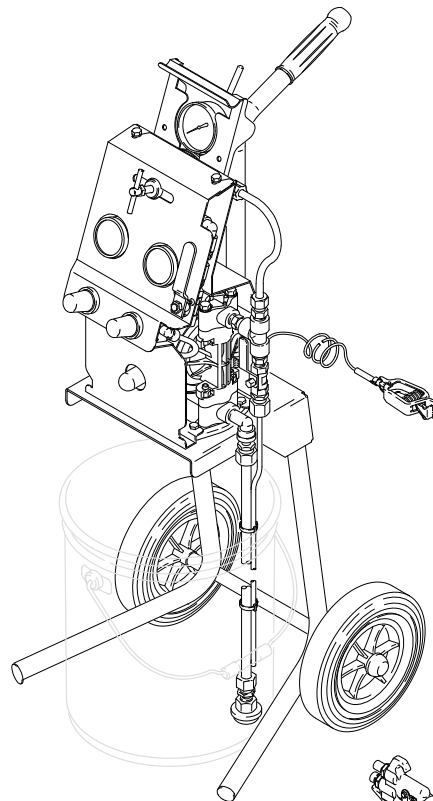
Packages with Surge Tanks

Model No. 240-397

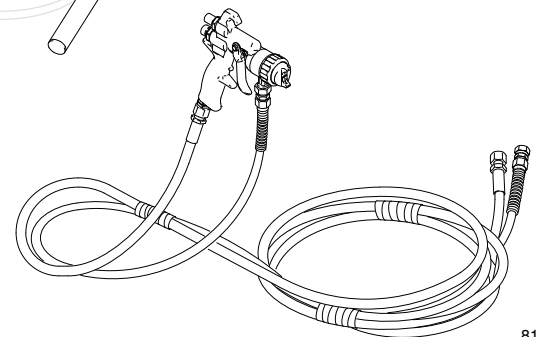
with hoses and Delta Spray air spray gun

Model No. 240-398

with hoses and Delta Spray HVLP gun



This gun and hose for PRO 3500sc Electrostatic package



This gun and hose for Delta Spray Air Spray package or Delta Spray HVLP package

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Table of Contents

Warnings	2
Setup	4
Operation	6
Maintenance	9
Parts List and Parts Drawing	
240-385 to 240-388	10
240-397 and 240-398	12
Fluid Filter Kit 240-440	14
Suction Tube Kit 240-465	15
Technical Data	16
Dimensions	17
Graco Phone Number	20

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 corresponding instructions.

! WARNING



PRESSURIZED FLUID HAZARD

Spray from the gun, hose leaks, or ruptured components can splash fluid in the eyes or on the skin and cause serious injury.

- Do not stop or deflect fluid leaks with your hand, glove, or rag.
- Follow the **Pressure Relief Procedure** on page 6 before cleaning, checking, or servicing the equipment.
- Tighten all fluid connections before each use.
- Check the hoses, tubes, and couplings daily. Replace parts immediately if worn, damaged, or loose. Permanently coupled hoses cannot be repaired.



FIRE AND EXPLOSION HAZARD

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

- Ground the equipment, personnel in or close to the spray area, the object being sprayed, and all other electrically conductive objects in the spray area. See **Grounding** on page 5.
- If there is any static sparking while using the equipment, **stop spraying immediately**. Identify and correct the problem.
- Provide fresh air ventilation to avoid the buildup of flammable vapors from the solvent or the fluid being sprayed.
- Do not smoke in the spray area.
- Extinguish all open flames or pilot lights in the spray area.
- Do not turn on or off any light switch in the spray area.
- Electrically disconnect all equipment in the spray area.
- Keep the spray area free of debris, including solvent, rags, and gasoline.
- Do not operate a gasoline engine in the spray area.

WARNING



INSTRUCTIONS



EQUIPMENT MISUSE HAZARD

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

- This equipment is for professional use only.
- Read all the 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 the equipment daily. Repair or replace worn or damaged parts immediately.
- Do not exceed the maximum working pressure of the lowest rated system component. This package has a **100 psi (0.7 MPa, 7 bar) maximum working pressure**.
- Use fluids that are compatible with the equipment wetted parts. See the **Technical Data** section of all the equipment manuals. Read the fluid manufacturer's warnings.
- Route the 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).
- Do not use the hoses to pull equipment.
- Do not move pressurized equipment.
- Wear hearing protection when operating this equipment.
- Comply with all applicable local, state, and national fire, electrical, and other safety regulations.



TOXIC FLUID HAZARD

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

- Know the specific hazards of the fluid you are using. Read the fluid manufacturer's warnings.
- Store hazardous fluid in an approved container. Dispose of the hazardous fluid according to all local, state, and national guidelines.
- Wear appropriate protective clothing, gloves, eyewear, and respirator.
- If the pump diaphragm fails, hazardous fluid may be exhausted along with the air.

Setup

CAUTION

This equipment is compatible with most water-based materials. See the wetted parts in the **Technical Data** section and your fluid and solvent manufacturer's compatibility information.

Do not use acid catalyzed materials; they are incompatible with the acetal used in this pump.

WARNING



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.

- Read **TOXIC FLUID HAZARD** on page 3.
- Use fluids and solvents that 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.

General Information

- Always use Genuine Graco Parts and Accessories, available from your Graco distributor. See the Product Data Sheet for this package, Form No. 305-898. If you supply your own accessories, be sure they are adequately sized and pressure rated for your system.
- Reference numbers and letters in parentheses refer to the callouts in the figures and the parts lists on pages 10 and 12.

Preparing the Operator

Anybody who operates this system should be trained in the safe, efficient operation of all system components. At a minimum, all operators should thoroughly read the safety, setup, and operation sections of this manual.

Preparing the Site

- Use a compressor capable of delivering 40 cfm (1.12 m³) and a minimum of 80 psi (552 kPa, 5.4 bar) for efficient operation.
- Clear obstacles and debris that could cause an unsafe operating environment.
- Run a 1/2 in. I.D. air line from your compressed air supply to the pump location. Be sure the air is dry and filtered.
- When the bleed-type master air valve (K) is closed and the pump air regulator is opened, it relieves all air pressure to the system components.
- Ventilate the spray booth.

WARNING

To prevent hazardous concentrations of toxic and/or flammable vapors, spray only in a properly ventilated spray booth. Never operate the spray gun unless ventilation fans are operating.

Check and follow all of the national, state, and local codes regarding air exhaust velocity requirements.

Setup

Hose Connections

This package is shipped with the hoses connected. Before you disconnect any hoses, make a note of the proper connections.

Flush Pump Before First Use

The pump was tested in water. If the test solution could contaminate the fluid you are pumping, flush the pump thoroughly with a compatible solvent. See **Flushing the System** on page 8.

Grounding

⚠ WARNING

To reduce the risk of static sparking, the entire system must be grounded. Check your local electrical code for detailed grounding instructions for your area and type of equipment. Ground all of this equipment. Also read **FIRE AND EXPLOSION HAZARD** on page 2.

- *Pump:* One end of the ground wire is already connected to the pump grounding strip. Connect the clamp end of the ground wire to a true earth ground.
- *Air compressor:* Follow the manufacturer's recommendations.
- *Object being sprayed:* Follow the local code.
- *Fluid supply container:* Follow the local code.
- *All solvent pails used when flushing:* Follow the local code. Use only metal pails, which are conductive. Do not place the pail on a non-conductive surface, such as paper or cardboard, which interrupts the grounding continuity.
- *Systems with PRO 3500sc and PRO 4500sc electrostatic gun:* Make sure you read all of the grounding instructions and warnings in your gun instruction manual.

Positioning Cart Over Fluid Pail

This package is shipped assembled. To position the cart over the fluid pail, lift the entire assembly, and lower it straight down with the suction and return tubes going into the pail. See Fig. 1.

⚠ CAUTION

To lift the unit, use two hands, and lift it by the cart handle and the mounting base. See these lift points in the figure below.

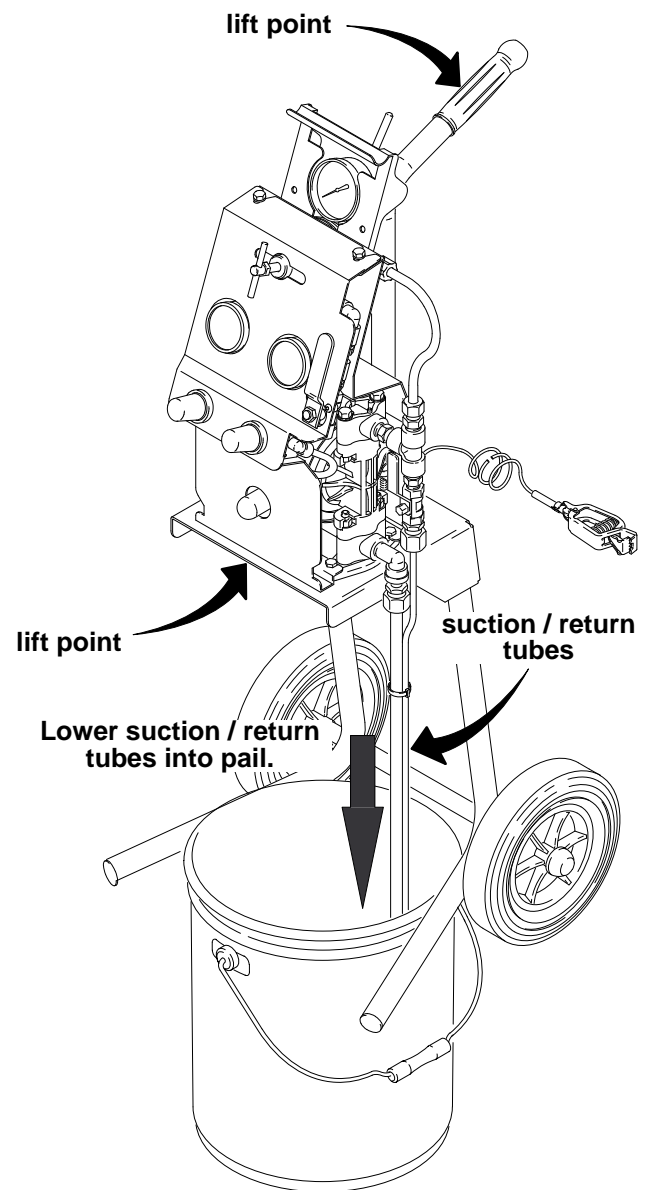


Fig. 1

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Operation

Using the Gun

See the gun instruction manual for gun operation, care, flushing, cleaning, and technical data. Read the entire gun manual before operating the sprayer.

Pressure Relief Procedure

See Fig. 2

WARNING

The system remains pressurized until pressure is manually relieved. To reduce the risk of serious injury from pressurized fluid, accidental spray from the gun, or splashing of any fluid, follow this procedure whenever you

- Stop spraying
- Are instructed to relieve pressure
- Check or service any system equipment
- Install, clean, or change spray nozzles

1. Turn off the air supply to the pump.
2. Be sure the pump air regulator is open by turning the knob (E) clockwise several turns.
3. Open the bleed-type master air valve (K) to relieve pump air pressure.
4. Trigger the gun (B) to relieve fluid pressure in the hoses.
5. Open the recirculating valve (J) to relieve any fluid pressure trapped in the system.

Adjusting Pump and Gun Air Regulators

See Fig. 2

NOTE: The pump air regulator knob (E) and gun air regulator knob (F) have a locking feature. To unlock the knobs, pull out on them. You will feel them click out. To lock them at the desired setting, push them back into the locked position.

Always adjust the pump air regulator (E) and gun air regulator (F) slowly to prevent surging during startup. Turn the knobs clockwise to increase pressure, and counterclockwise to decrease air pressure.

1. Slowly adjust the pump air regulator (E), to set air pressure to approximately 60 psi (413 kPa, 4 bar).
2. If your system has a fluid pressure regulator, turn the fluid pressure regulator handle (G) to adjust the fluid pressure to 40 to 60 psi (276 to 413 kPa, 2.8 to 4 bar).

3. Slowly open the gun air regulator (F), and pull the gun trigger just enough to open **only the air valve** in the gun. With the gun air triggered, set the gun air pressure to 60 psi (413 kPa, 4 bar).

NOTE: Gun air pressure higher than 60 psi (413 kPa, 4 bar) will cause excessive overspray and lowered efficiency.

4. If your system has a fluid pressure regulator (G), fully trigger the gun, and fine tune the fluid pressure to obtain the desired atomization.

Systems with Fluid Pressure Regulator

See Fig. 2

With the fluid pressure regulator (G), you can control fluid pressure from the pump to the gun. For an accurate setting, adjust the fluid regulator only when the gun is triggered and fluid is flowing through the regulator. Be sure the jam nut under the T-handle (G) does not interfere with your adjustments. Tighten the jam nut to lock in the setting, if desired.

1. To open the fluid regulator, which allows fluid to flow, turn the T-hand clockwise.
2. To close the fluid regulator, which restricts or shuts off the fluid flow, turn the T-handle counterclockwise.

Systems with Surge Tank

See *Parts Drawing* on page 13

In systems with a surge tank (30), the fluid pressure is the same as the air pressure applied to the pump (pump has 1:1 ratio of fluid to air). Adjust the fluid pressure as required with the pump air regulator (E).

The surge tank filter screen may require periodic cleaning. First, **relieve the pressure**. Unscrew the surge tank cover from its base, and remove the filter screen. Clean the screen with a compatible solvent, and reinstall it in the surge tank. Make sure you reinstall the cover with a firm hand torque to ensure a good seal.

WARNING

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

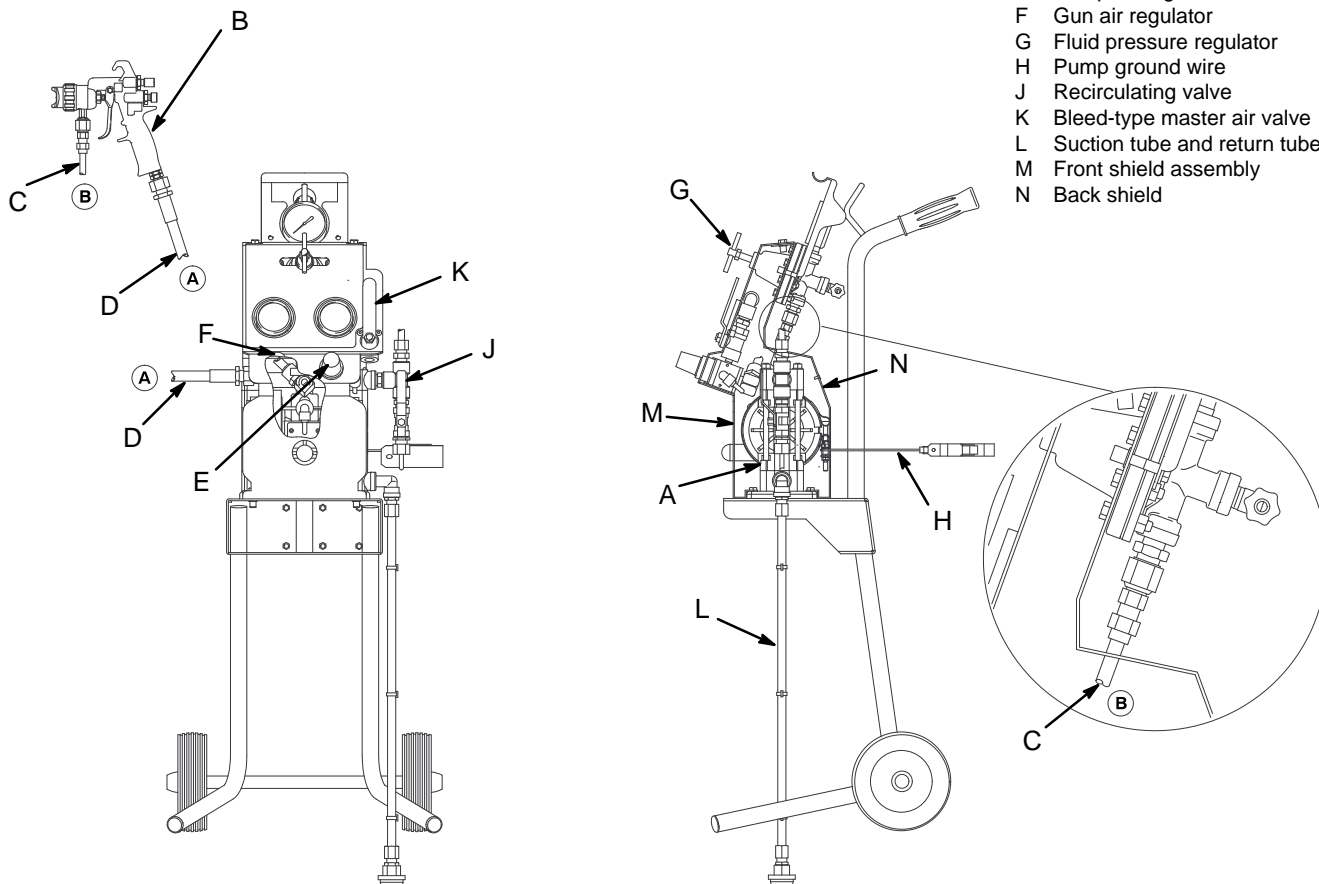
NOTE: The pump requires approximately 15 to 20 psi (103 to 138 kPa, 1 to 1.4 bar) to function. This is the lowest fluid pressure available. If lower fluid flow is required, a smaller fluid tip may be required on the spray device.

Operation

Priming the System *See Fig. 2*

1. Close the gun air regulator (F).
2. If your system has a fluid pressure regulator (G), close it.
3. Open the recirculating valve (J).
4. Open the bleed-type master air valve (K).
5. Slowly set the pump air regulator (E) pressure to 20 to 30 psi (140 to 210 kPa, 1.4 to 2.1 bar). The pump cycles quickly, then it slows down when it is primed. When it is primed, close the recirculating valve (J); the pump will stall against the pressure. If the pump does not start, reopen the recirculating valve for 30 seconds, then close it. Set the pump air pressure to 40 psi (280 kPa, 2.8 bar).
6. Slowly open the gun air regulator (F), and pull the gun trigger just enough to open **only the air valve** in the gun. With the gun air triggered, set the gun air pressure to 60 psi (413 kPa, 4 bar).
7. Hold the gun against and aimed into a grounded metal waste pail, and fully trigger the gun. If your system has a fluid pressure regulator (G), slowly open it. The gun emits air until the fluid arrives. When fluid flows freely, release the gun trigger.

Delta Spray regulated Air Spray package or regulated HVLP package shown



KEY

- A Husky 307 pump
- B Gun
- C Gun fluid hose
- D Gun air hose
- E Pump air regulator
- F Gun air regulator
- G Fluid pressure regulator
- H Pump ground wire
- J Recirculating valve
- K Bleed-type master air valve
- L Suction tube and return tube
- M Front shield assembly
- N Back shield

Fig. 2

8113A

Operation

Using the Recirculation Feature

See Fig. 2

The recirculation tube drains unused fluid back into the fluid container, ensuring an even flow at the gun. Recirculation also provides gentle fluid agitation. To recirculate fluid, open the recirculation valve (J) while you are spraying. To stop recirculation, close the valve.

When to Shut Down the System

Shut down the system at the end of the work shift and before checking, adjusting, cleaning, or repairing the system. Always **relieve the pressure**.

WARNING

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

Flushing the System

Flush the system at the following times:

- Before the first-time use
- When changing colors
- Before fluid can dry or settle out in a dormant system.
- Before storing the system

Flush the system as follows (See Fig. 2):

1. **Relieve the pressure.**

WARNING

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

2. Remove the gun air cap before flushing, and clean it separately.

3. Place the suction tube into a grounded metal pail of compatible solvent.
4. Make sure the air regulators (E and F) and bleed-type master air valve (K) are closed. Open the recirculating valve (J).
NOTE: The gun air regulator (F) always stays closed during flushing.
5. Open the bleed-type master air valve (K).
6. Slowly open the pump air regulator (E) until the pump starts. When fluid is flowing through the recirculating valve (J), close the valve. The pump will stall against pressure.
7. Hold the gun against a grounded metal waste pail, and fully trigger the gun. If your system has a fluid pressure regulator (G), slowly open it until the fluid flows smoothly.
8. When solvent appears, release the gun trigger.
9. For a first-time flush: trigger the gun and flush with solvent for 30 seconds.

For flushing after spraying fluid: trigger the gun and flush with solvent until the system is thoroughly cleaned. Open the recirculating valve (J) slightly to clean the recirculation tube. Then close it.

10. Repeat the procedure with clean solvent, if needed.
11. Lift the fluid intake tube from the fluid supply, and trigger the gun and run the pump until air comes from the gun.
12. **Relieve the pressure.**

The system is now ready to be stored or primed with another fluid. See **Priming the System** on page 7.

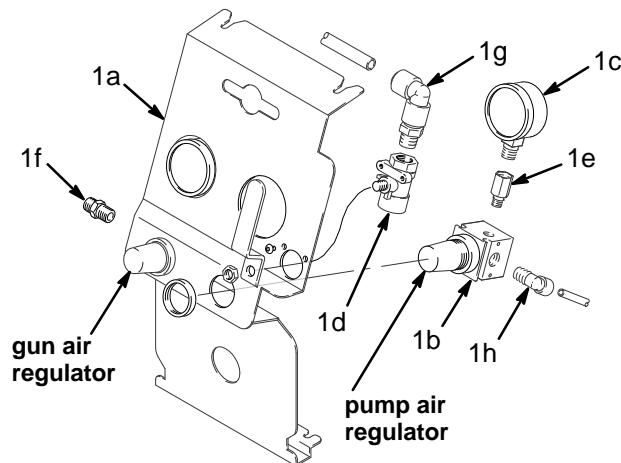
Maintenance

See the separate component instruction manuals for individual component maintenance procedures.

Access to some system components requires that you remove the shields. The following steps are for shield removal. Shield replacement is the reverse of these steps, so make sure you take notes on the proper hose connections. Depending on your system, see the **Parts Drawings** on pages 11 and 13 for number call-outs.

Front Shield Assembly (1)

1. Disconnect the pump air hose from the pump air regulator.
2. Disconnect the gun air hose from the gun air regulator.
3. Loosen, but do not remove, the two front pump foot screws (24).
4. Loosen, but do not remove, the two top shield screws (32).
5. If your system has a fluid pressure regulator (40), make sure the T-handle is horizontal.
6. Pull the front shield assembly free of the system.



Front Shield Assembly Orderable Parts

Ref. No.	Part No.	Description	Qty.
1a	192-995	SHIELD, front	1
1b	111-804	REGULATOR, air	2
		<i>See instruction manual 308-167</i>	
1c	160-430	GAUGE, pressure	2
1d	114-362	VALVE, ball	1
1e	159-840	ADAPTER	2
1f	188-077	NIPPLE	1
1g	114-369	FITTING, tube	1
1h	114-370	FITTING, tube	1

Back Shield (25)

1. Disconnect the gun fluid hose from the fluid pressure regulator nipple (28) or surge tank nipple (40).
2. Disconnect the hose (18) that runs from the fluid pressure regulator (40) or surge tank (30) to the fitting on the pump outlet pipe tee (5).
3. Loosen, but do not remove, the two back pump foot screws (24).
4. Loosen, but do not remove, the two top shield screws (32).
5. Pull the back shield free of the system. The fluid pressure regulator (40) or surge tank (30) stays mounted to the back shield.

Gauge Lense Covers

Clear, stick-on/peel-off lense covers are available for the gauges. These covers protect the gauge lenses from spray. When they get too dirty to read the gauges, they can be peeled off, discarded, and replaced. Order as follows:

- 240-441** for 2.5-inch gauges; package of 25 sheets, 12 lense covers to a sheet
- 240-442** for 2-inch gauges; package of 25 sheets, 12 lense covers to a sheet

Fig. 3

8263A

Parts List

Light-Duty Cart Packages with Fluid Pressure Regulators

Model No. 240-385, Delta Spray air spray package

Model No. 240-386, Delta Spray HVLP package

Model No. 240-387, PRO 3500sc electrostatic package

Model No. 240-388, PRO 4500sc electrostatic package

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	240-210	SHIELD ASSY, front <i>Contains 1a to 1h, shown in Fig. 3 on page 9</i>	1	38	239-542	GUN, Delta Spray, air spray <i>Model 240-385</i>	1
4	111-917	NIPPLE; Nylon	2		239-561	GUN, Delta Spray, HVLP <i>Model 240-386</i>	1
5	113-718	TEE, pipe	1			<i>See instruction manual 308-741</i>	1
6	113-222	CONNECTOR, male	1	222-300	GUN, PRO 3500sc, electrostatic <i>Model 240-387</i>		1
7	114-363	VALVE, ball; sst	1			<i>See instruction manual 307-912</i>	1
8	111-811	CONNECTOR, male	1	224-200	GUN, PRO 4500sc, electrostatic <i>Model 240-388</i>		1
9	114-370	FITTING, tube, quick-connect	1			<i>See instruction manual 308-131</i>	1
10	112-903	NUT, hex	1	39	240-421	HOSE ASSY, air spray/HVLP; 25 ft (7.6 m) <i>Delta packages</i>	1
12	D31-331	PUMP, Husky 307 <i>See instruction manual 308-553</i>	1		240-425	HOSE ASSY, PRO gun; 25 ft (7.6 m) <i>PRO packages</i>	1
13	112-899	WASHER, lock	1	40	236-449	REGULATOR, fluid pressure; 0-30 psi (0-207 kPa, 0-2 bar) <i>Model 240-386</i>	1
16	054-175	HOSE; Nylon	10 in.			<i>See instruction manual 308-325</i>	1
17	054-139	TUBE; Nylon	11.5 in.		236-450	REGULATOR, fluid pressure; 0-100 psi (0-0.6 MPa, 0-7 bar) <i>Models 240-385, 240-387, 240-388</i>	1
18	054-188	TUBE; PTFE	10 in.	41	109-534	STRAINER, suction line	1
19▲	189-220	LABEL, warning	1	42	240-223	KIT, cart <i>Includes 42a to 42d</i>	
21	114-369	FITTING, tube, quick-connect	1	42a	105-521	PLUG, tubing	2
24	104-119	SCREW, cap, hex head	4	42b	108-063	GRIP, handle	1
25	192-996	SHIELD, back	1	42c	114-334	WHEEL, cart	2
26	104-029	LUG, grounding	1	42d	112-612	CAP, hub	2
27	113-521	ELBOW, street	1	45	054-175	TUBE, recirculation	26 in.
28	189-436	NIPPLE	1	46	114-457	FITTING, elbow, male	1
29	192-994	HANDLE, shield	1	47	111-864	CONNECTOR, male	2
30	111-911	WASHER, flat	2	48	054-139	TUBE, suction	21 in.
31	100-014	SCREW	2	49	103-473	STRAP, tie, wire	3
32	100-333	SCREW, cap, hex head	2	50	240-464	WIRE, ground, <i>see Note in drawing.</i> <i>PRO packages</i>	1
34	193-251	LABEL, product <i>Delta packages</i>	1				
	193-252	LABEL, product <i>PRO packages</i>	1				
37	238-909	GROUND WIRE & CLAMP ASSY	1				

▲ Extra Warning labels are available for free.

Parts Drawing

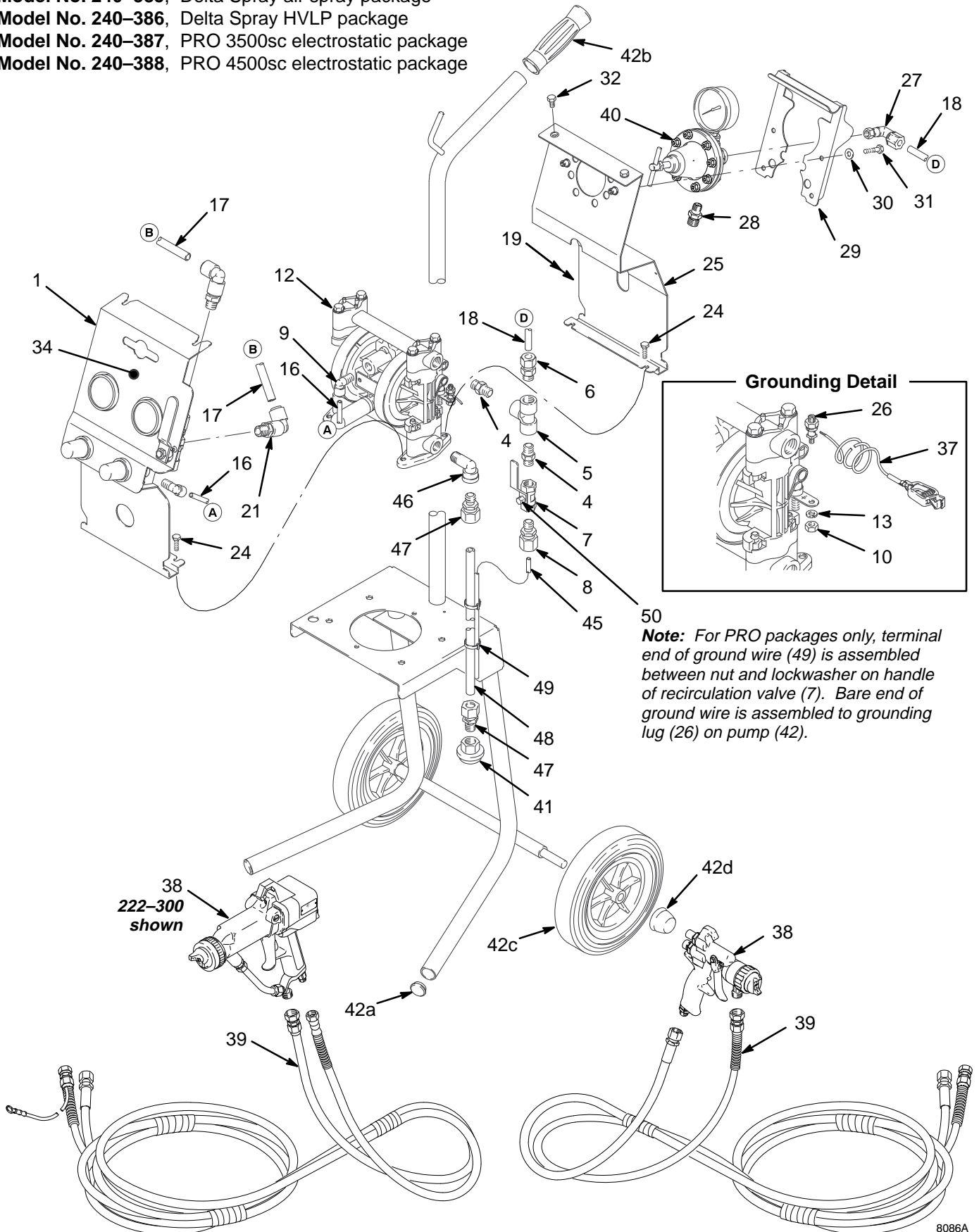
Light-Duty Cart Packages with Fluid Pressure Regulators

Model No. 240-385, Delta Spray air spray package

Model No. 240-386, Delta Spray HVLP package

Model No. 240-387, PRO 3500sc electrostatic package

Model No. 240-388, PRO 4500sc electrostatic package



Note: For PRO packages only, terminal end of ground wire (49) is assembled between nut and lockwasher on handle of recirculation valve (7). Bare end of ground wire is assembled to grounding lug (26) on pump (42).

Parts List

Light-Duty Cart Packages with Surge Tanks

Model No. 240-397, Delta Spray air spray package

Model No. 240-398, Delta Spray HVLP package

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	240-210	SHIELD ASSY, front <i>Contains 1a to 1h, shown in Fig. 3 on page 9</i>	1	31	106-285	BOLT, "U"	2
3	103-473	STRAP, tie, wire	3	32	100-333	SCREW, cap, hex head	2
4	111-917	NIPPLE; Nylon	2	34	193-253	LABEL, product	1
5	113-718	TEE, pipe	1	37	238-909	GROUND WIRE & CLAMP ASSY	1
7	114-363	VALVE, ball; sst	1	38	239-542	GUN, Delta Spray, air spray <i>Model 240-397</i>	
8	111-811	CONNECTOR, male	1		239-561	GUN, Delta Spray, HVLP <i>See instruction manual 308-742</i>	1
9	114-370	FITTING, tube, quick-connect	1			<i>Model 240-398</i>	
10	112-903	NUT, hex	1			<i>See instruction manual 308-741</i>	1
12	D31-331	PUMP, Husky 307 <i>See instruction manual 308-553</i>	1	39	240-421	HOSE ASSY, air spray/HVLP; 25 ft (7.6 m)	1
13	112-899	WASHER, lock	1	40	188-089	NIPPLE	1
16	054-175	HOSE; Nylon	10 in.	41	109-534	STRAINER, suction line	1
17	054-139	TUBE; Nylon	11.5 in.	42	240-223	KIT, cart <i>Includes 42a to 42d</i>	
18	054-188	TUBE; PTFE	10 in.	42a	105-521	PLUG, tubing	2
19▲	189-220	LABEL, warning	1	42b	108-063	GRIP, handle	1
21	114-369	FITTING, tube, quick-connect	1	42c	114-334	WHEEL, cart	2
24	104-119	SCREW, cap, hex head	4	42d	112-612	CAP, hub	2
25	192-996	SHIELD, back	1	43	105-521	PLUG, tubing	2
26	104-029	CLAMP, grounding	1	44	108-063	GRIP, handle	1
27	114-456	ELBOW, street	2	45	054-175	TUBE, recirculation	26 in.
28	054-139	TUBE, suction	21 in.	46	114-457	FITTING, elbow, male	1
29	111-864	CONNECTOR, male	2				
30	111-911	STRAINER, line	1				

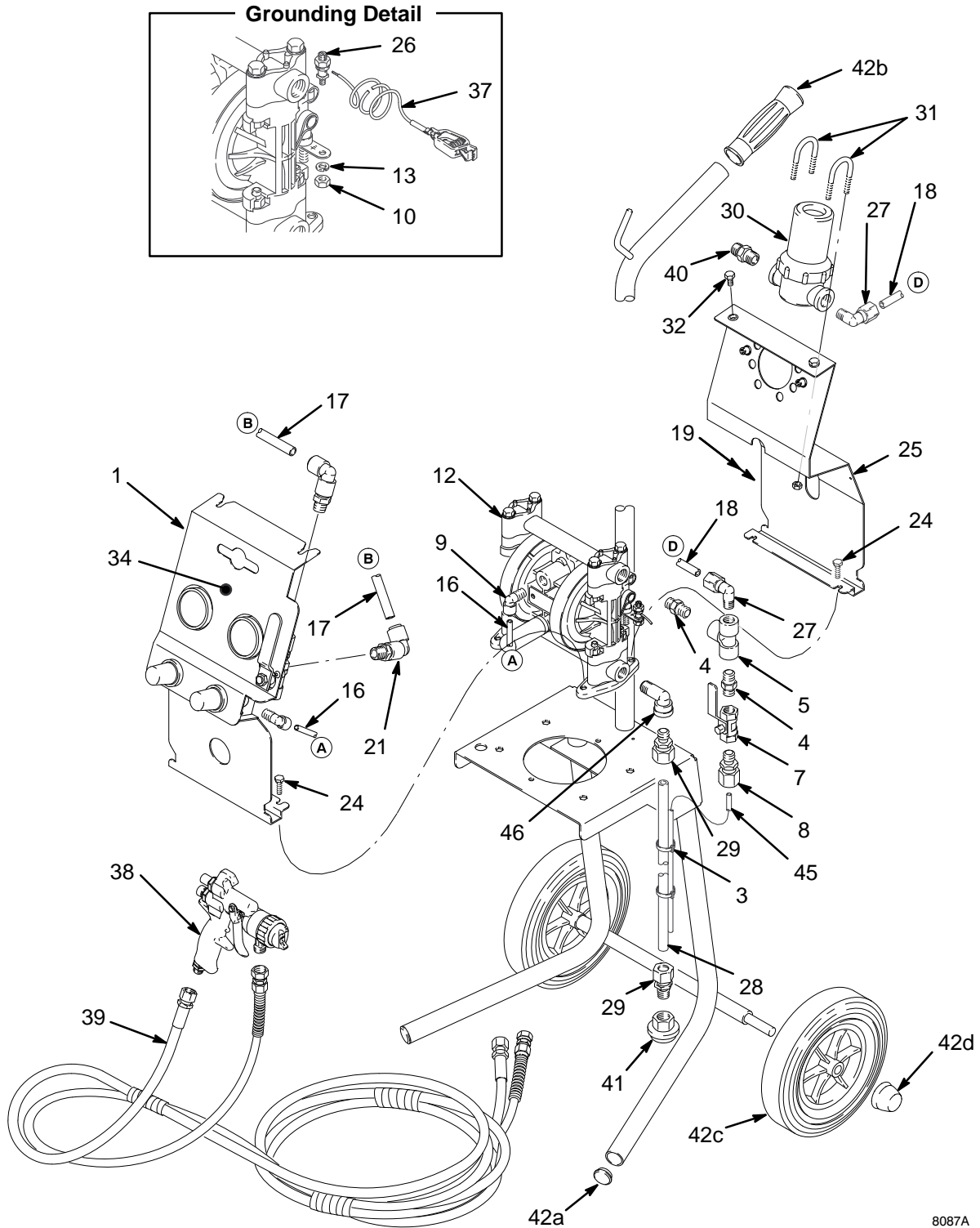
▲ Extra Warning labels are available for free.

Parts Drawing

Light-Duty Cart Packages with Surge Tanks

Model No. 240-397, Delta Spray air spray package

Model No. 240-398, Delta Spray HVLP package



8087A

Accessory Fluid Filter Kit

Fluid Filter Kit 240–440

Ref. No.	Part No.	Description	Qty.	
101	114–361	FILTER, fluid	1	† To avoid sharp bends in the tube, you may have to cut it to a shorter length.
102	113–322	CONNECTOR, male	1	‡ Apply Graco Thread Sealer, or Loctite® 567, or equivalent to male threads.
103	054–188	TUBE; PTFE; 3/8" O.D.	8 in▲	▲ For initial installation, make sure the dome is firmly hand tightened onto the filter body. Do not use a tool. During subsequent service, hand tighten more firmly to prevent drips.
104	113–534	ELBOW, male x female	2	
105	111–917	NIPPLE; Nylon	1	

The Fluid Filter Kit, listed above, can be installed to filter fluid drawn by the suction tube after it comes out of the pump. Install the Fluid Filter Kit as follows (see Fig. 4):

1. Apply thread sealant (specified in Fig. 4) to all male threads in this kit.
2. Remove the male connector (6) and the PTFE tube (18) that connect to the top of the tee (5). See the **Parts** drawing on page 11.
3. Thread the nipple (105) into the female threads of the elbow (104).
4. Thread the nipple (105), with the elbow (104) attached to it, into the tee (5).
5. Thread the fluid filter (101) onto the male threads of the elbow (104).
6. Thread the male connector (102) into the fluid filter (101).
7. Turn the fluid filter/male connector assembly towards the elbow (27). This makes connecting the tube (103) in step 8 easier.
8. Cut the PTFE tube (103) to the proper length, and install it to run from the male connector (102) to the elbow (27).

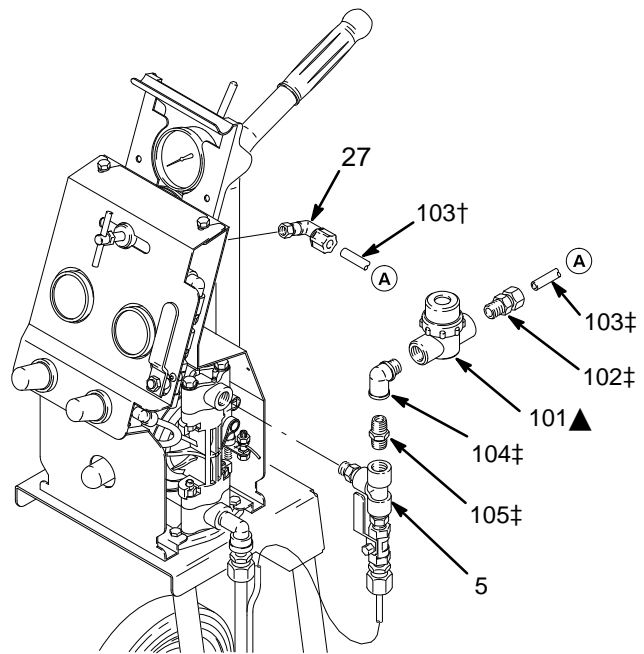


Fig. 4

8111A

Accessory Suction Tube Kit

Suction Tube Kit 240–465

Ref. No.	Part No.	Description	Qty.
201	232–692	KIT ASSEMBLY, suction tube	1
202	193–411	NIPPLE	1
203	193–459	TUBE, recirculation	1
204	103–473	TIE, wire	5

The Suction Kit, listed above, can be installed for drawing fluid from a container that is not directly under the unit. Install the Suction Kit as follows (see Fig. 5):

1. Apply thread sealant (specified in Fig. 5) to the threads of the nipple (202).
2. Remove the male elbow fitting (46) from the pump inlet. See the **Parts Drawing** on page 13.
3. Thread the nipple (202) into the pump inlet.
4. Thread the fitting of the suction tube assembly (201) onto the nipple (202).
5. Install the new, longer recirculation tube (203) in place of the old one.
6. Bundle the new suction tube (201) and recirculation tube (203) with the wire ties (204).
7. Route the new tubes into the remote fluid container.

‡ Apply Graco Thread Sealer, or Loctite® 567, or equivalent to threads.

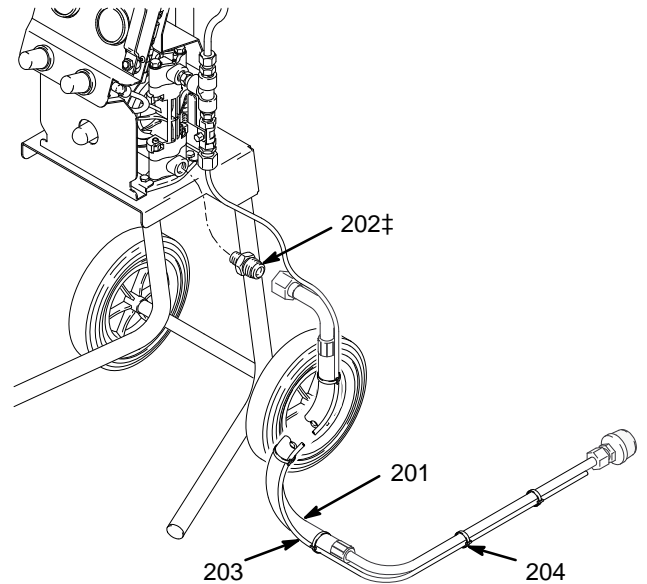


Fig. 5

8173A

Technical Data

Category	Data
Maximum fluid working pressure	100 psi (0.7 MPa, 7 bar)
Maximum incoming air pressure	100 psi (0.7 MPa, 7 bar)
Maximum operating temperature	120° F (49° C)
Gun	See separate gun instruction manual.
Pump	See separate pump instruction manual.
Fluid pressure regulator	See separate fluid pressure regulator instruction manual.
Air pressure regulators	See separate air pressure regulator instruction manual.
Wetted parts: fluid hoses for Delta guns	nylon, stainless steel
Wetted parts: fluid hoses for PRO guns	nylon, nickel-chrome plate
Wetted parts: other fluid hoses and tubing	nylon, PTFE
Wetted parts: fluid fittings	nylon, acetal, 304/316 stainless steel
Weight (without hoses or gun):	
Packages with fluid pressure regulator	Approx. 38 lb (17 kg)
Packages with surge tank	Approx. 36 lb (16 kg)
Sound data:	
Sound power level* at 70 psi 0.48 MPa, 4.8 bar) and 115 cpm	68 dB(A)
Sound pressure level at 70 psi 0.48 MPa, 4.8 bar) and 115 cpm	81.5 dB(A)

* Sound power level was measured per ISO Standard 3744.

Dimensions

