Parts **INSTRUCTIONS–PARTS LIST** **308718**

Rev. G

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

INSTRUCTIONS

GRACO

First choice when quality counts.™

– For Water-Based Materials Only –

ELECTRIC TEXTURE SPRAYER WITH COMPRESSOR

TexSpray ™ Compact HP

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

Power	Model	Description
120V, 60 Hz	231780	Sprayer Model 231801, Series B with 1-in. fluid hose, 3/8-in. air hose, and Trigger Gun
	231782	Sprayer Model 231801, Series B with 1-in. fluid hose, 3/8-in. air hose, and Flex Gun
	231783	Sprayer Model 231801, Series B with 1-in. fluid hose, 3/8-in. air hose, and 3-ft Pole Gun
240V, 50 Hz	231788	Sprayer Model 231803, Series B with 1-in. fluid hose, 3/8-in. air hose, and Trigger Gun
	231790	Sprayer Model 231803, Series B with 1-in. fluid hose, 3/8-in. air hose, and Flex Gun
	231791	Sprayer Model 231803, Series B with 1-in. fluid hose, 3/8-in. air hose, and 3-ft Pole Gun

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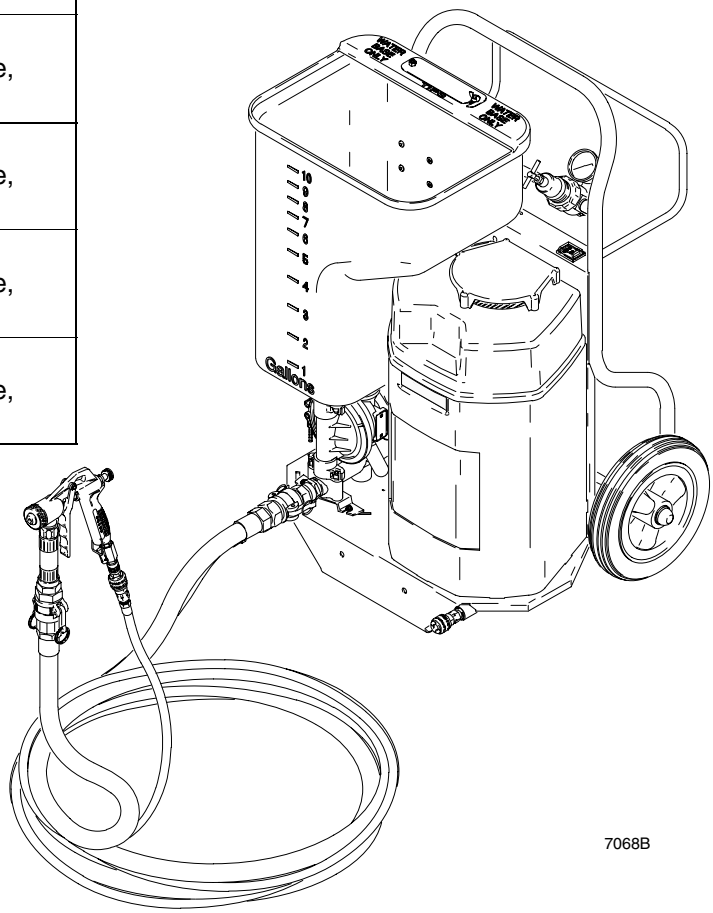


7068B

Model 231780 shown

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

Graco Inc. is registered to I.S. EN ISO 9001

Table of Contents

Symbols

Warning Symbol

⚠ WARNING

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

Caution Symbol

⚠ CAUTION

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 not sure, call your Graco distributor.
- Do not expose the system to rain. Always store the system indoors.
- Do not alter or modify this equipment. Use only genuine Graco parts.
- Check equipment daily. Repair or replace worn or damaged parts immediately.
- Do not exceed the maximum working pressure of the lowest rated component in your system. This equipment has a **100 psi (0.7 MPa, 7 bar) maximum working pressure at 100 psi (0.7 MPa, 7 bar) maximum air pressure.**
- To reduce the risk of serious injury, including electric shock and splashing fluid in the eyes, follow the **Pressure Relief Procedure** on page 5 before checking or repairing the compressor.
- 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 55°C (130°F) or below –40°C (–40°F).
- Do not lift pressurized equipment.

⚠ 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.

- 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.
- Pipe and dispose of exhaust air safely, away from people, animals, and food handling areas.
- Never directly inhale compressed air. Compressed air may contain toxic vapors.

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.

- **The system is for use only with water-based materials.** Use fluids compatible with the equipment wetted parts. Refer to the **Technical Data** section of all equipment manuals. Read the fluid and solvent manufacturer's warnings.
- Ground the equipment. See **Grounding and Electrical Requirements** on page 6.
- 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 work area free of debris, including solvent, rags, and gasoline.
- Locate the sprayer at least 20 ft (6.1 m) away from any explosive vapors, due to arcing parts.
- Comply with all applicable local, state, and national fire, electrical, and safety regulations.

CLEANING SOLVENT HAZARD WITH PLASTIC PARTS

Use only compatible solvents to clean plastic structural or pressure-containing parts. Many solvents can degrade plastic parts to the point where they could fail. Such failure could cause serious injury or property damage. See the **Technical Data** section on page 27 in this instruction manual and in all other equipment manuals. Read the fluid and solvent manufacturer's warnings.

Component Identification and Function

A	Air outlet	Provides quick disconnect connection for air supply to spray gun
B	Pump outlet fitting	Provides connection for hose and fluid supply to spray gun
C	Air pressure regulator	Adjusts air pressure to control air pressure to pump
D	ON/OFF switch	Power switch that controls 120/240V AC power to sprayer
E	Compressor	Open frame AC motor, 1 phase, with two-cylinder, oil-less, single-stage air compressor
F	Pump	Pressurizes fluid to be sprayed through spray gun
G	Cooler	Reduces temperature of air from compressor
H	Spray gun	Uses compressor air to break up and spray texture material
J	Hopper	Holds texture material;12 gallon (45 liter) maximum capacity
K	Air filter	Filters incoming air to the compressor
L	Material screen	Filters material to the pump
M	Auxiliary air compressor port	Provides connection to replacement or supplemental air compressor
N	Gun air valve	Shuts off air supply to spray gun
O	Air line drain valve	Allows air line moisture accumulation to be drained

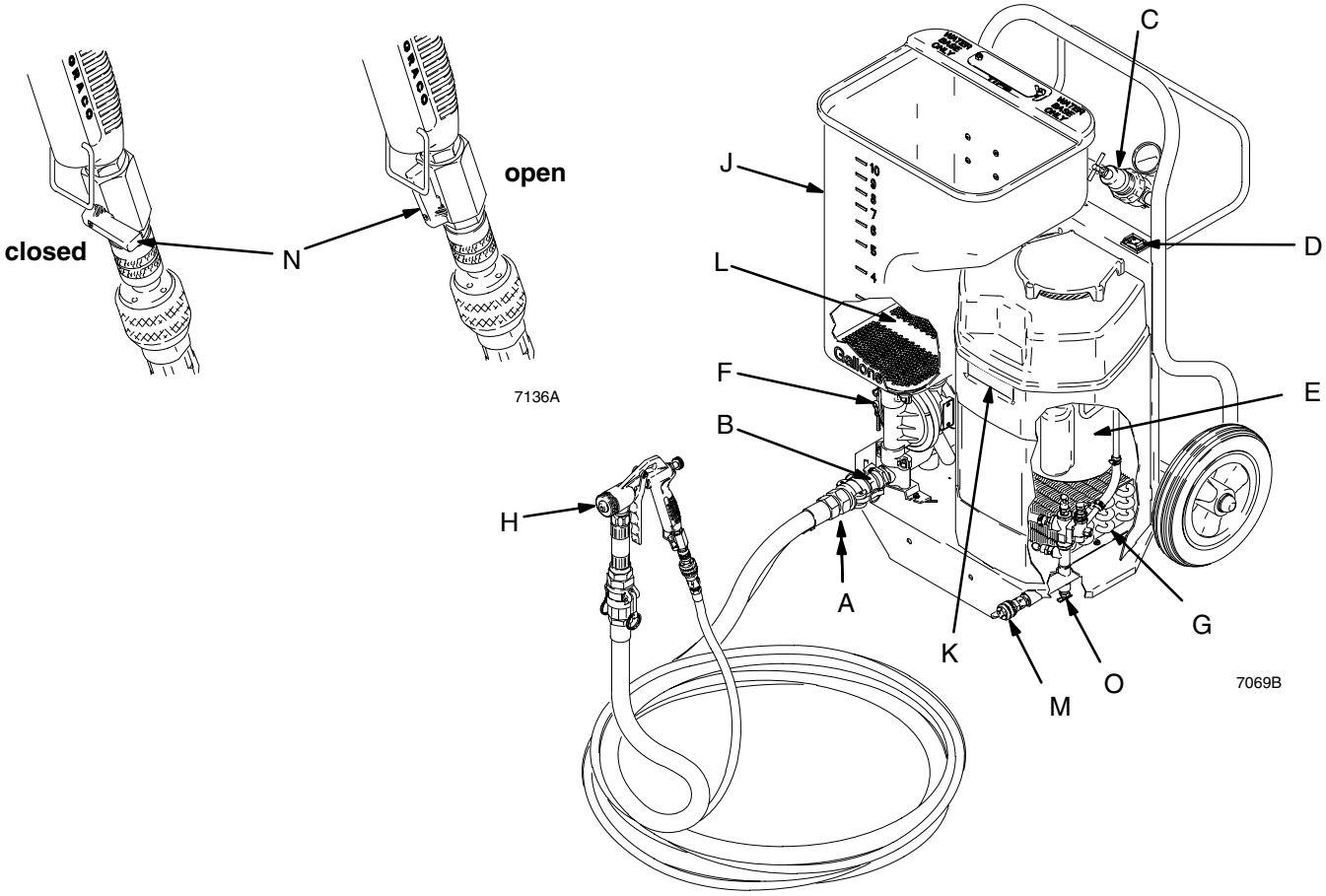


Fig. 1

Preparation

Compressor Break-in

The first time you use the system, run the compressor under no load for 15 minutes to break it in, improve its performance, and lengthen its life.

1. Connect the air hose to the air outlet (A) and to the gun air inlet. Open gun air valve (423), and turn air restrictor valve (424) all the way to the + position. See Fig. 2.

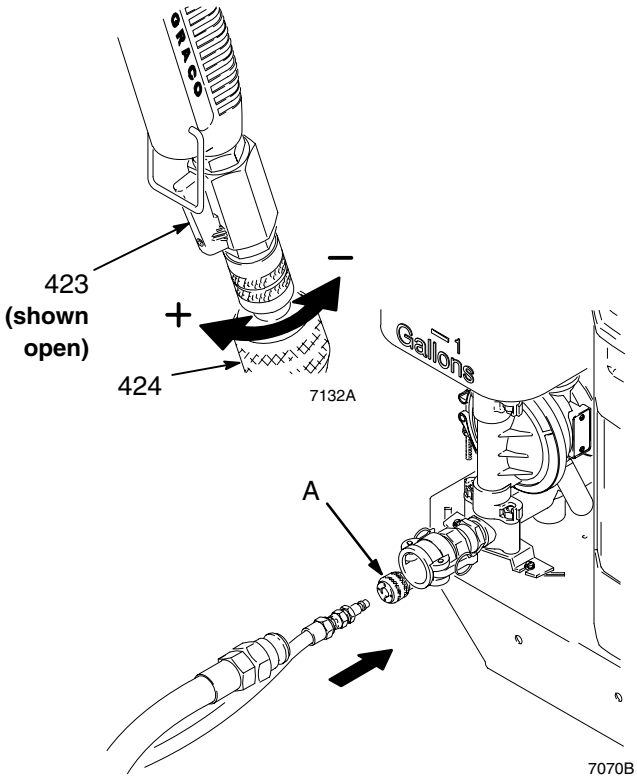


Fig. 2

2. Turn the ON/OFF switch (D) ON. Run the system for 15 minutes. Turn the switch OFF. See Fig. 3.

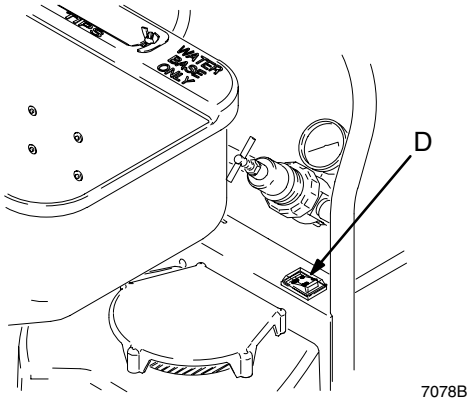


Fig. 3

⚠ WARNING

PRESSURIZED EQUIPMENT HAZARD

The system pressure must be manually relieved to prevent the system from starting or spraying accidentally. To reduce the risk of an injury from accidental spray from the gun, splashing fluid, or moving parts, follow the **Pressure Relief Procedure** whenever you

- Are instructed to relieve the pressure
- Stop spraying
- Check or service any of the system equipment
- Install or clean the spray nozzle

Pressure Relief Procedure

1. Shut off the system.
2. Trigger the gun, and spray the material back into the hopper.
3. Open the gun air valve (handle parallel with valve body).
4. Unplug the electrical power cord.
5. Place a rag over the pump outlet fitting (B in Fig. 1), and slowly open the cam locks to relieve residual pressure.

Preparation

Grounding and Electrical Requirements

⚠ WARNING

Improper installation or alteration of the grounding plug will result in a risk of electric shock, fire or explosion that could cause serious injury or death.

Extension Cords

- Use only an extension cord with an undamaged, 3-prong plug.
- For up to 25 ft (7.6 m) cord, use 3-wire, 12 AWG (1.5 mm^2) minimum.
- For 25 to 50 ft (7.6 to 15.2 m) cords, use 3-wire, 10 AWG (2.5 mm^2) minimum.

120V AC Systems

- This equipment requires a 120V AC, 60 Hz, 15A circuit with a grounding receptacle. See Fig. 4.

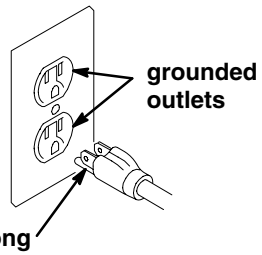


Fig. 4

- Do not alter the ground prong or use an ungrounded adapter.
- A maximum length of 25 ft, 12 AWG or 50 ft, 10 AWG extension cord may be used.

240V AC Systems

- This equipment requires a 240V AC, 50 Hz, 16A circuit with a grounding receptacle. See Fig. 5.

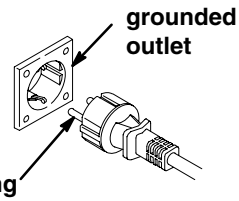
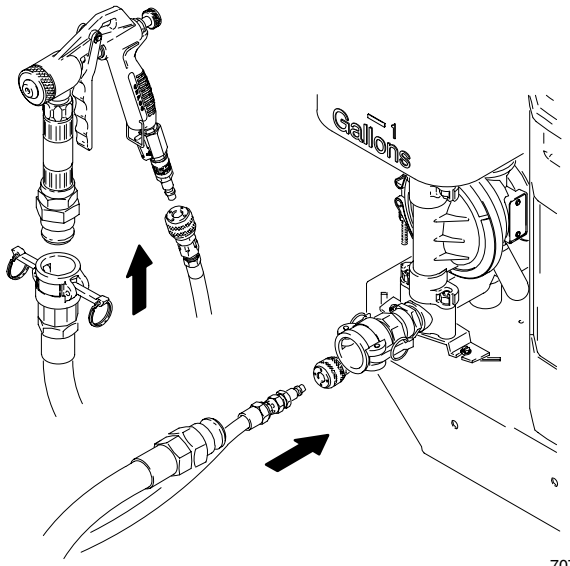


Fig. 5

- Do not alter the ground prong or use an ungrounded adapter.
- A maximum length of 8 m, 1.5 mm^2 or 15 m, 2.5 mm^2 extension cord may be used.

System Setup

1. Connect the hoses and gun as shown See Fig. 6.



7072B

Fig. 6

2. Be sure the air filter (K) and the material screen (L) are in place. See Fig. 7.
3. Plug the power cord into a properly grounded outlet.

△1 Located inside hopper

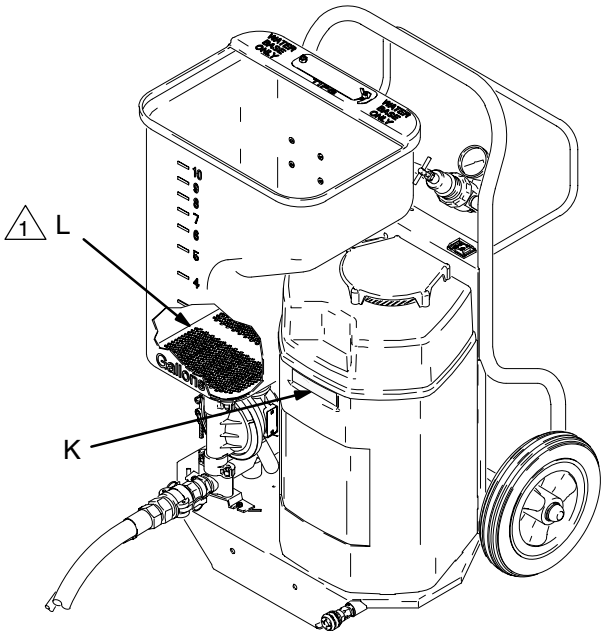


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Fig. 7

Preparation

Auxiliary Air Compressor

An external air compressor may be connected (adapter included) to the auxiliary air compressor port (L) to supplement or replace the internal air compressor of the TexSpray. This may be useful when

- Additional air is needed to break up hard-to-spray materials
- When the job site does not have the proper electric service, but a gasoline-powered compressor is available

⚠ WARNING

Overpressurizing the system may cause component rupture and result in serious injury.

To reduce the risk of overpressurizing the system, do not use a compressor with an output pressure greater than 100 psi (70 kPa, 7 bar), or with a delivery greater than 6.8 scfm at 90 psi (0.19 m^3/min. at 60.3 kPa, 6.3 bar).

Hose Size and Lengths

The system comes with a hose set consisting of a 1-in. ID x 25-ft (25 mm x 7.6 m) fluid hose and a 3/8-in. ID air hose. The 1-in. hose set includes an adapter hose between the gun and main hose. See the **Parts List** on page 25.

Use the shortest length possible when spraying. Increasing hose length decreases sprayer performance. Do not use more than 75 ft (23 m) of fluid hose.

Removing and Installing the Hopper

1. To remove the hopper (J), loosen the knob (P) until about 1 in. of thread shows. Lift the hopper straight up off the unit. See Fig. 8.
2. To install the hopper, position the hopper drain over the pump inlets while tilting the hopper very slightly forward. As you engage the inlets, straighten the hopper and push down. Visually inspect the pump inlets to be sure the hopper is fully engaged. Tighten the knob (P). See Fig. 8.

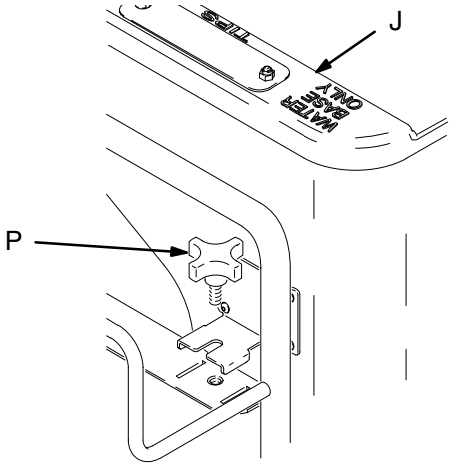


Fig. 8 7071A

Preparation

Operation Characteristics

- Always start the system with the compressor air relieved.

  How to relieve compressor pressure: Be sure the gun air valve (423) and air restrictor valve (424) are open. This relieves compressor air every time you shut off the system. See Fig. 9.

- Air bleeds from the gun nozzle when the gun air valve (423) is open. See Fig. 9. You may close the valve to stop the air, or you can leave it open at all times except while priming the system. See **Spray Techniques** on pages 12 and 13 for more gun characteristics.

- A compressor unloader valve (30) with two pressure relief valves (30d) is located under the compressor guard (16). Air escapes from the valve, causing a popping sound, when air flow at the gun is too restricted. The valve resets automatically when the air flow is increased. See Fig. 10.

- If air exhausts through the pump muffler or the pump starts and then stops, see texture pump instruction manual 309009.

- Always have the fluid hose installed when there is material in the hopper. If the hose is removed, the hopper will drain out through the pump.

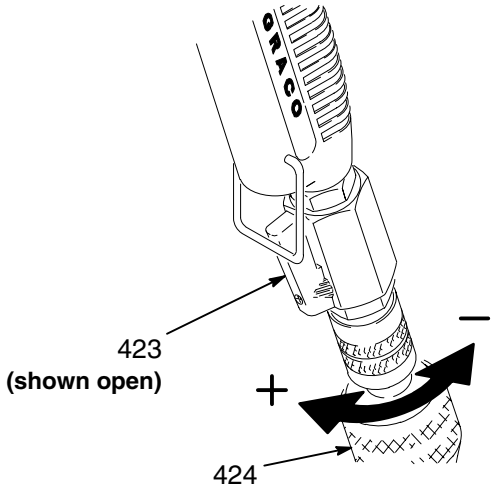


Fig. 9 7132A

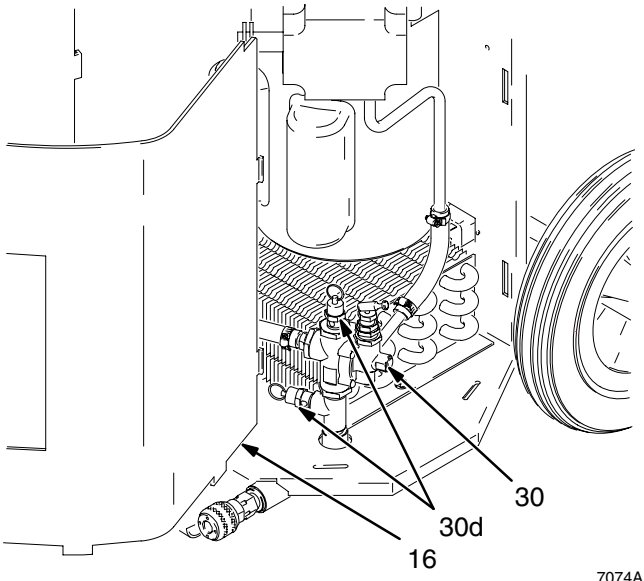


Fig. 10 7074A

⚠ WARNING

The motor has a thermal overload switch that shuts down the motor if it overheats.

To reduce the risk of serious bodily injury due to the system restarting unexpectedly, always turn the ON/OFF switch (D) OFF if the motor shuts down. See Fig. 3 on page 5.

⚠ CAUTION

Damage to the power cord could result from uninterrupted operation. Do not operate sprayer at maximum pressure for more than 1 hour in any 2-hour period.

Preparation

Wetting the Hose Before Pumping Texture Material

Wet the inside of the hose before each use to flush out sediment and to prevent the texture material from packing out the hose.

1. The hopper (J) capacity is 12 gallons (45 liters). Pour a gallon (3.8 liters) of clean water into the hopper. See Fig. 12 on page 10.
2. Close the gun air valve (423); the system primes easier if no air is supplied to the gun. See Fig. 11.
3. Turn the ON/OFF switch (D) ON. Aim the gun into the hopper (J), and trigger the gun to circulate the water for a few minutes and to wet the inside of the fluid hose. See Fig. 12.
4. Trigger the gun into a pail to lower the water to the hopper strainer (L) level. See Fig. 12.
5. Turn the ON/OFF switch (D) OFF.
6. Open the gun air valve (423) to relieve the compressor air. See Fig. 11.

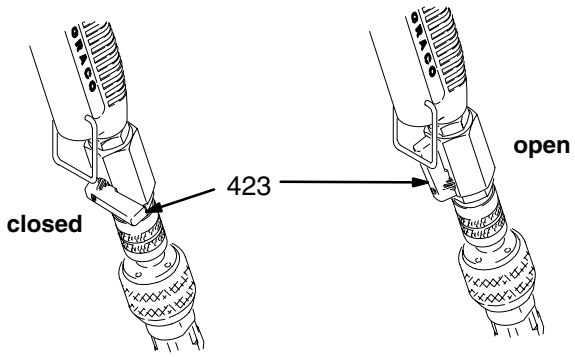


Fig. 11

Mixing the Material

⚠ CAUTION

This system is designed for use with only certain types of material. Any other use could seriously damage the unit.

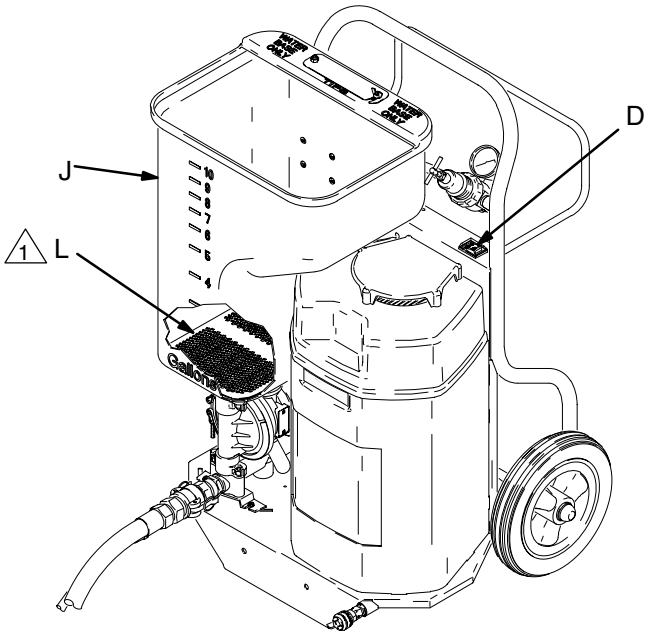
- Do not use any solvent-based materials. Use only water-based materials.
- Use only simulated acoustic and gypsum-based wall texture materials in this system.
- Do not spray cementious materials, which will damage the pump.

Proper material mixture is essential. The pump will not operate if the material is too thick.

NOTE: Mix the material in a separate container and pour it into the hopper for best results.

Slowly add one bag of texture material to clean water as instructed on the bag instructions. Agitate to a smooth, lump-free consistency. **Thin the material as needed before pouring it into the hopper.** Material must be mixed thoroughly to a consistency that immediately folds back in as you draw your finger through the surface of the material. For the best results, do not use partial bags of material.

Startup



1 Located inside hopper

Fig. 12 7073B

Prime the System

1. Fill the hopper (J) with the prepared texture material.
2. Install a tip. See the **Tip Selection Chart** on page 12.
3. Open the gun air valve (423) to be sure air pressure is relieved, then close it. The system primes easier if no air is supplied to the gun.
4. Be sure there are no kinks in the hose, which restricts fluid flow.

NOTE: If spraying a simulated acoustic and coarse aggregate material, disconnect the hose at the gun, prime the pump and hose, and circulate material back into the hopper for 10 seconds. Turn off the pump. Install the gun and tip.

5. Turn the ON/OFF switch (D) ON. Trigger the gun into a pail. When texture material appears at the tip, move the gun to the hopper and circulate until there is a solid stream of texture material.
6. See **Spray Techniques** on pages 12 and 13 for proper spray pattern with pump and gun adjustments.

Notes

Spray Techniques

Tip Selection Chart

Application	Tip Orifice[2]	Air Volume[1]
Fog	1/8 in.	high
Simulated acoustic	3/16 in. *(fine, for small confined areas)* 1/4 in. *(fine to medium)* 5/16 in. *(coarse)*	medium to high
Orange peel	1/8 to 3/16 in.	medium to high
Splatter coat	1/4 to 5/16 in.	low to medium
Knockdown	5/16 in.	low

1 Control air volume with the gun air flow valve (424).
2 For more material volume, try a larger-orifice tip.

Adjusting the System

Sufficient fluid output (volume and pressure) and good atomization require testing to balance the compressor air to the gun and pump and proper tip selection. Keep in mind these important points when adjusting the gun:

- Read all of pages 12 and 13 before spraying.
- Start the sprayer with the gun air flow valve (424) at its maximum setting (fully **+**). If needed, slowly decrease the gun air flow until you get a good spray pattern. Use the minimum amount of air at the spray gun to achieve the proper spray pattern and to minimize bounce back.
  - Test the spray pattern on cardboard. Hold the gun 18 to 30 in. (457 to 762 mm) from the surface. Use this spraying distance for most applications.
  - Overlap each stroke 50% in a circular motion.
- Select the proper tip for your application. See the **Tip Selection Chart** at left. Consider the size of aggregate in the material and the coarseness of the spray pattern. Remember, the larger the tip, the heavier the pattern.
- All spraying adjustments are made at the gun. Material pressure and flow rate adjustments are made at the regulator.
- The compressor provides air to the gun and the pump; thus, the more air you supply to the gun, the less that is available for the pump.
  - Turning the air flow valve (424) toward (+) increases air flow through the gun, which decreases texture material flow through the pump**.**
  - Turning the air flow valve (424) toward (–) decreases air flow through the gun, which increases texture material flow through the pump.

Spray Techniques

To Get Less Material

Try any one or a combination of these methods:

- Screw in the gun fluid regulator knob (418).
- Use a smaller tip.
- Reduce pump pressure. Use the regulator.

To Get More Material

Try any one or a combination of these methods:

- Turn the air flow valve (424) to decrease (–).
- Unscrew the fluid knob (418) to increase trigger travel.

  Note: Maximum trigger travel occurs when trigger bail (401) can hold trigger in open position. Fig. 13.
- Use a shorter hose.
- Use a thinner material mixture.
- Try a larger-orifice tip.
- Increase pump pressure (use the regulator).

⚠ CAUTION

Turning the knob (418) out too far will remove the knob and the gun will not shut off when the trigger is released.

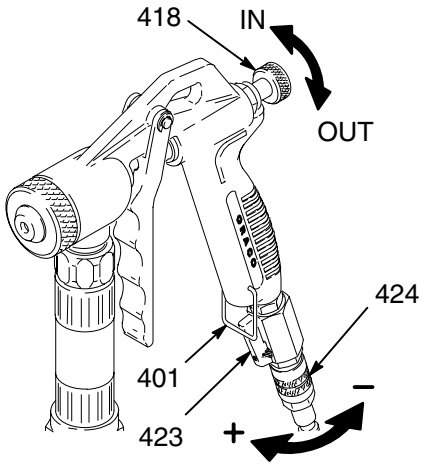


Fig. 13

Preventing Material Surge

To prevent material surge at the beginning of a spray pattern, slowly squeeze the trigger to the fully triggered position while moving the gun quickly.

For Continuous Spraying

Use the trigger bail (401) to hold the trigger open to reduce operator fatigue.

Check Material Consistency Periodically

Check and thin the material as needed to maintain the proper consistency. The material may thicken as it sits and slow down production or affect the spray pattern.

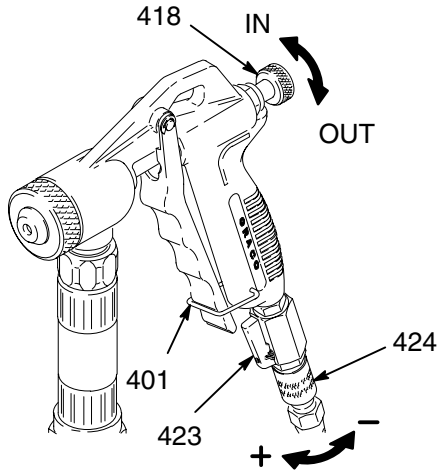


Fig. 14

Shutdown and Cleanup

NOTE: Keep the pump and hose clean when switching between texture, knockdown, and orange peel applications. A dirty pump can release a piece of texture into the finish.

⚠ CAUTION

To keep the unit in good operating condition, always clean it thoroughly and prepare it properly for storage, even if only for the night. Pay particular attention to these areas:

- Keep the pump wet during non-use to help prevent contaminants from drying inside the pump.
- Clean the sponge filter at least daily. A dirty filter allows contaminates into the compressor and eventually into the pump, resulting in poor performance and damage.
- Removing the material hose will allow the pump to drain too rapidly; the material hose must remain connected to keep the pump wet.
- Oil the gun daily. See Fig. 15.
- Oil the pump air inlet. See **Maintenance** in texture pump instruction manual 309009.

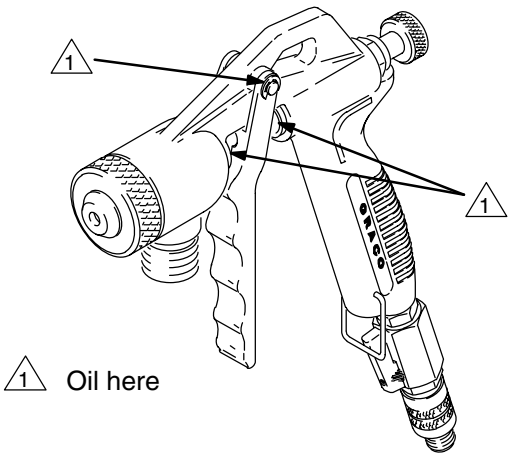


Fig. 15

See Fig. 16 and Fig. 17

1. Be sure the compressor pressure is relieved by opening gun air valve (423).
2. Close the gun air valve, and turn the ON/OFF switch (D) ON.
3. Trigger the gun into a pail to lower the fluid to the hopper strainer (L) level.
4. Half fill the hopper (J) with clean water. Clean the inside of the hopper with a brush, if needed.

   NOTE: The hopper can be removed for cleaning. See page 7.
5. Trigger the gun into a pail until most of the texture material is pumped out.
6. Fill the hopper with clean water.
7. Start the sprayer. Spray half the water into a pail. Trigger the gun into the hopper to circulate the remaining water for a few minutes.
8. Trigger the gun into the pail to empty the hopper and the hose.
9. Turn the ON/OFF switch (D) OFF. Open the gun air valve (423) to relieve compressor pressure.

Shutdown and Cleanup

10. **Keep pump wet during non-use.** Pour 12 oz. (360 ml) of clean water into the hopper drain.

    NOTE: In cold weather, store the system where it will not freeze. If it does freeze, thaw it thoroughly before using it.

11. Remove the air filter (K). Wash it thoroughly with soap and water, and reinstall it.

12. Clean and dry the gun. Oil the gun daily with a few drops of SAE–10 light oil at the points indicated in Fig. 15.

13. When the unit cools, rinse the cooler with plain water.

14. Drain the frame air line after each use as follows:

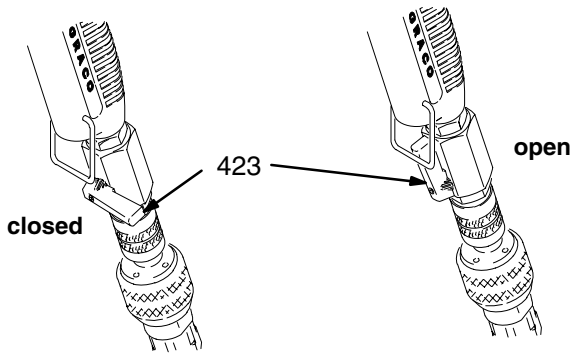
    a. Open the drain cock valve (S).

    b. Turn the ON/OFF switch (D) ON.

    c. Rock the sprayer back and forth slightly to drain any moisture in the air line.

    d. Turn the ON/OFF switch (D) OFF.

    e. Close the drain cock valve (S).



7136A

Fig. 16

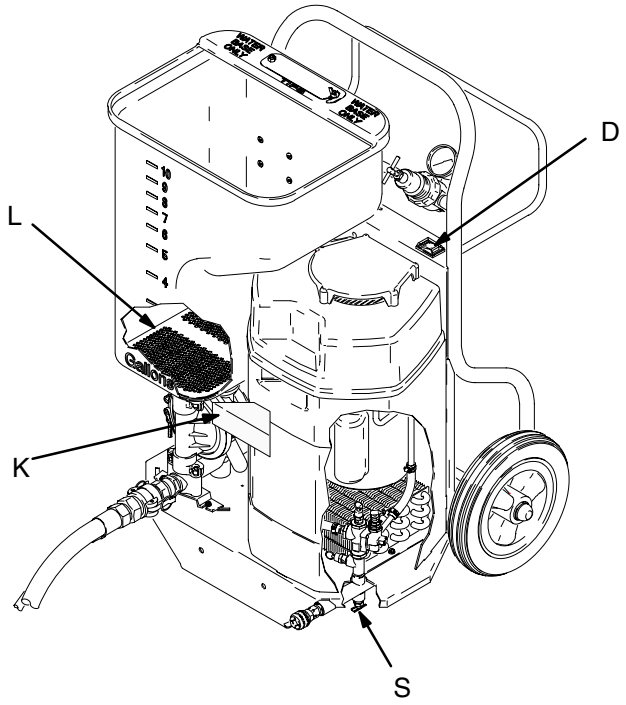


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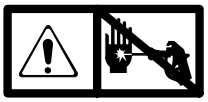
Fig. 17

Pump Maintenance

For pump maintenance, troubleshooting, and repair, see texture pump instruction manual 309009.

Troubleshooting



See **Pressure Relief Procedure** on page 5.

PROBLEM	CAUSE	SOLUTION
Compressor not starting	Trapped air pressure	Relieve air pressure by connecting air hose and opening gun air valve.
	Improper power supply	Connect to power supply rated for your sprayer.
	Tripped thermal overload in motor	Check extension cord. Allow unit to cool down and try again. See **Grounding and Electrical Requirements** on page 6. Note: Remove extension cord and plug unit directly into outlet. If unit operates correctly, this indicates an extension cord problem.
		Clean filter, air cooler, and cooling fan. Allow unit to cool down and try again.
Unloader stuttering, unloading too early, or unloading too late.	Damaged unloader	Replace.
		Have motor serviced.
No material output from pump	Not enough air pressure to pump	Shut off air at the gun, and increase air pressure to the pump to maximum. Turn regulator clockwise to increase.
	Material too thick	Thin the material. Material must be mixed thoroughly to a consistency that immediately folds back in as you draw your finger through the surface of the material.

Troubleshooting

PROBLEM	CAUSE	SOLUTION
No material output from pump (continued)	Stalled air valve	Reset the pump as follows: 1. Open air to the gun. 2. Turn the unit off. 3. Turn the ON/OFF switch ON, and trigger the gun into the hopper until there is a solid stream of texture material. If pump continues to stall: • Thin the material. See *Material too thick* on page 16. • Clean hose and gun. See below. • Try a 1–1/4 in. hose. See below. • See **Troubleshooting** in texture pump instruction manual 309009.
	Plugged gun or nozzle	Relieve pressure, remove gun from material hose, and cycle pump. **NOTE:** A plugged gun or nozzle may cause the hose and pump to plug. If necessary, flush hose and pump with clean water before cycling material through the hose with the gun removed.
	Plugged hose, or hose too small	Relieve pressure. Flush hose with clean water, or try a 1–1/4 in. hose.
	Leaky or damaged duck bills valves in pump. **NOTE:** Under normal use, the duck bill valves and diaphragms will wear out at 20,000 gallons. If the material being sprayed has a stone aggregate, the expected life is 3,000 to 4,000 gallons.	Clean and inspect duck bill valves. **NOTE:** Texture Pump Duckbill Valve Repair Kit 241262 is available and can be ordered separately.
	Pump in need of repair	See texture pump instruction manual 309009.
Pulsing or surging material	Triggering too fast	Slowly squeeze trigger to fully open position while moving gun quickly in a circular motion.
	Leaky or damaged duck bill valves	Clean and inspect duck bill valves. **NOTE:** Texture Pump Duckbill Valve Repair Kit 241262 is available and can be ordered separately.

Troubleshooting

PROBLEM	CAUSE	SOLUTION
Speed of application too slow	Not enough air pressure to pump	Shut off air at the gun, and increase air pressure to the pump to maximum. Turn regulator clockwise to increase.
	Material too thick	Material must be mixed thoroughly to a consistency that immediately folds back in as you draw your finger through the surface of the material.
	Nozzle too small	Increase nozzle size.
	Hose plugged or too small.	Relieve pressure. Clean hose, or try a 1–1/4 in. hose.
	Leaky or damaged duck bill valves	Clean and inspect duck bill valves. **NOTE:** Texture Pump Duckbill Valve Repair Kit 241262 is available and can be ordered separately.
	Pump in need of repair	See texture pump instruction manual 309009.
Pattern too fine or too much overspray	Material too thin	Thicken material. Material must be mixed thoroughly to a consistency that immediately folds back in as you draw your finger through the surface of the material.
	Air pressure at gun too high	Decrease air to gun at gun fitting.
	Fluid delivery too low	Increase nozzle size.
		Increase air pressure to pump, or decrease air to gun at gun fitting.
		Turn fluid knob out on gun. See **Spray Techniques** on pages 12 and 13.
Pattern too coarse	Material too thick	Thin material. Material must be mixed thoroughly to a consistency that immediately folds back in as you draw your finger through the surface of the material.
	Air pressure at gun too low	Increase air to gun at gun fitting.
	Fluid delivery too high	Decrease nozzle size.
		Decrease air pressure to pump, or increase air to gun at gun fitting.
		Turn fluid knob in on gun. See **Spray Techniques** on pages 12 and 13.

Notes

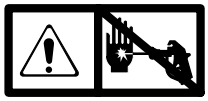
Removing and Reinstalling Compressor

⚠ WARNING

HOT SURFACE HAZARD
Be sure the compressor duct work is cool before removing it. If the sprayer was operated recently, it will be very hot and can cause burns.

NOTE: Clean the cooler whenever the compressor is serviced.

Removing Compressor

1.  **Relieve the pressure.** See **Pressure Relief Procedure** on page 5.
2. Remove the hopper.

See Fig. 18

3. Remove the pump foot screws on one end of the pump (35), and loosen the foot screws on the other end of the pump. Move the pump out of the way.
4. Remove the filter cover (20).
5. Remove the two screws (7) and the shroud (18a). Remove and clean the air filter (K).
6. Remove the compressor guard (16).
7. Remove grounding screw (36) and the two leads (U) from the bottom of the switch (9).

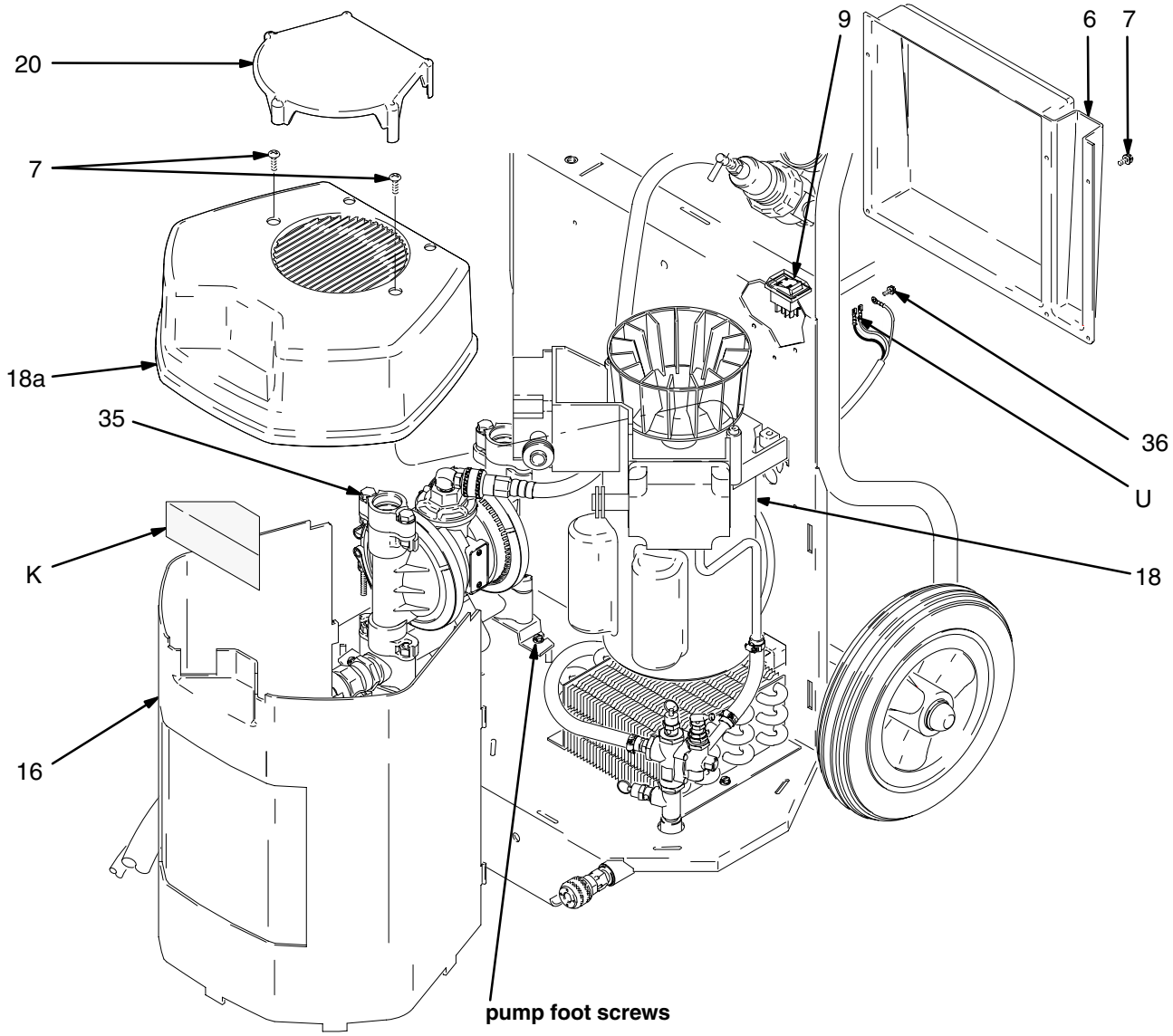


Fig. 18 7080B

Removing and Reinstalling Compressor

See Fig. 19

8. Tip the TexSpray onto its back.
9. Loosen the hose clamps (28), and pull out the hose (31).
10. Remove the two screws (76) and saddle-mount cups (77).
11. Place a piece of cardboard between the compressor (18) and the cooler (27) to protect the cooler from damage during step 12.
12. Carefully remove the compressor wires while lifting the compressor (18) up and away from the cart frame.

If you are rebuilding the compressor (18), see DeVILBISS manual OEM–4000–A.

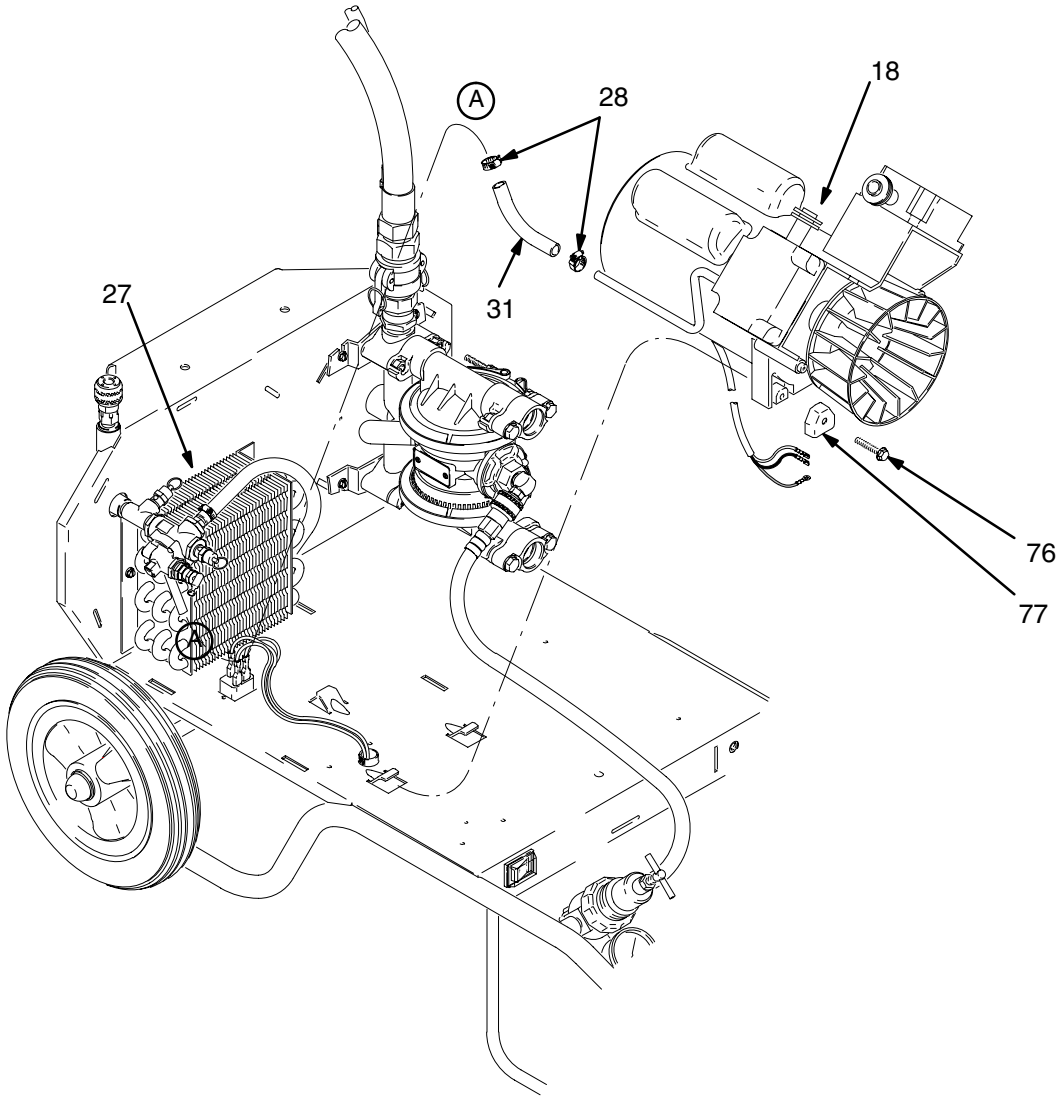
Graco offers repair kits for the two-cylinder compressor. The repair kits are listed in **Accessories** on page 26.

NOTE: For repair assistance or for compressor service center locations, call your Graco distributor.

Reinstalling Compressor

Reassemble the TexSpray in the reverse order of **Removing Compressor.**

NOTE: See the wiring diagram on page 25.



7081B

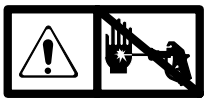
Fig. 19

Removing and Inspecting Cooler

⚠ WARNING

HOT SURFACE HAZARD
Be sure the compressor duct work is cool before removing it. If the sprayer was operated recently, it will be very hot and can cause burns.

See Fig. 20

1.  **Relieve the pressure.** See **Pressure Relief Procedure** on page 5.
2. Loosen the clamp (28) on the hose (29), and remove the hose from the cooler (27).
3. Remove the screws (7) and cooler (27). Clean the cooler, and inspect for leaks, dents, or plugging with dust.

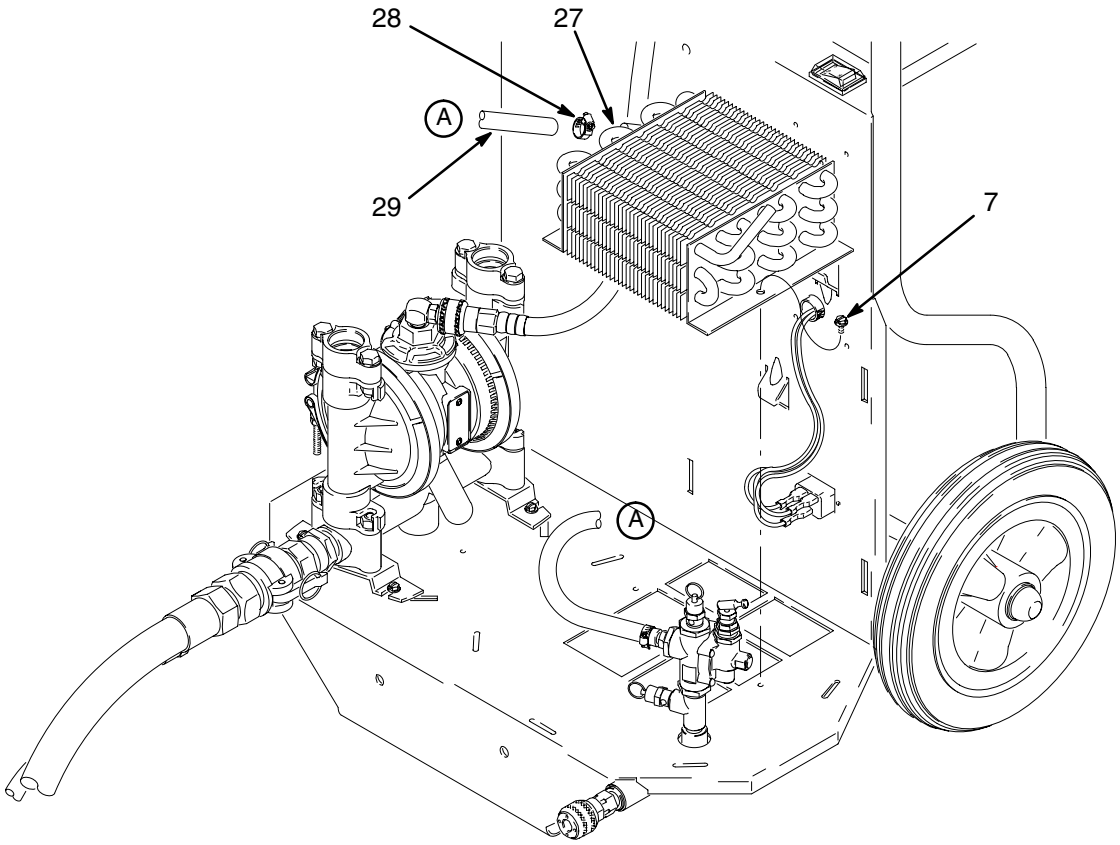
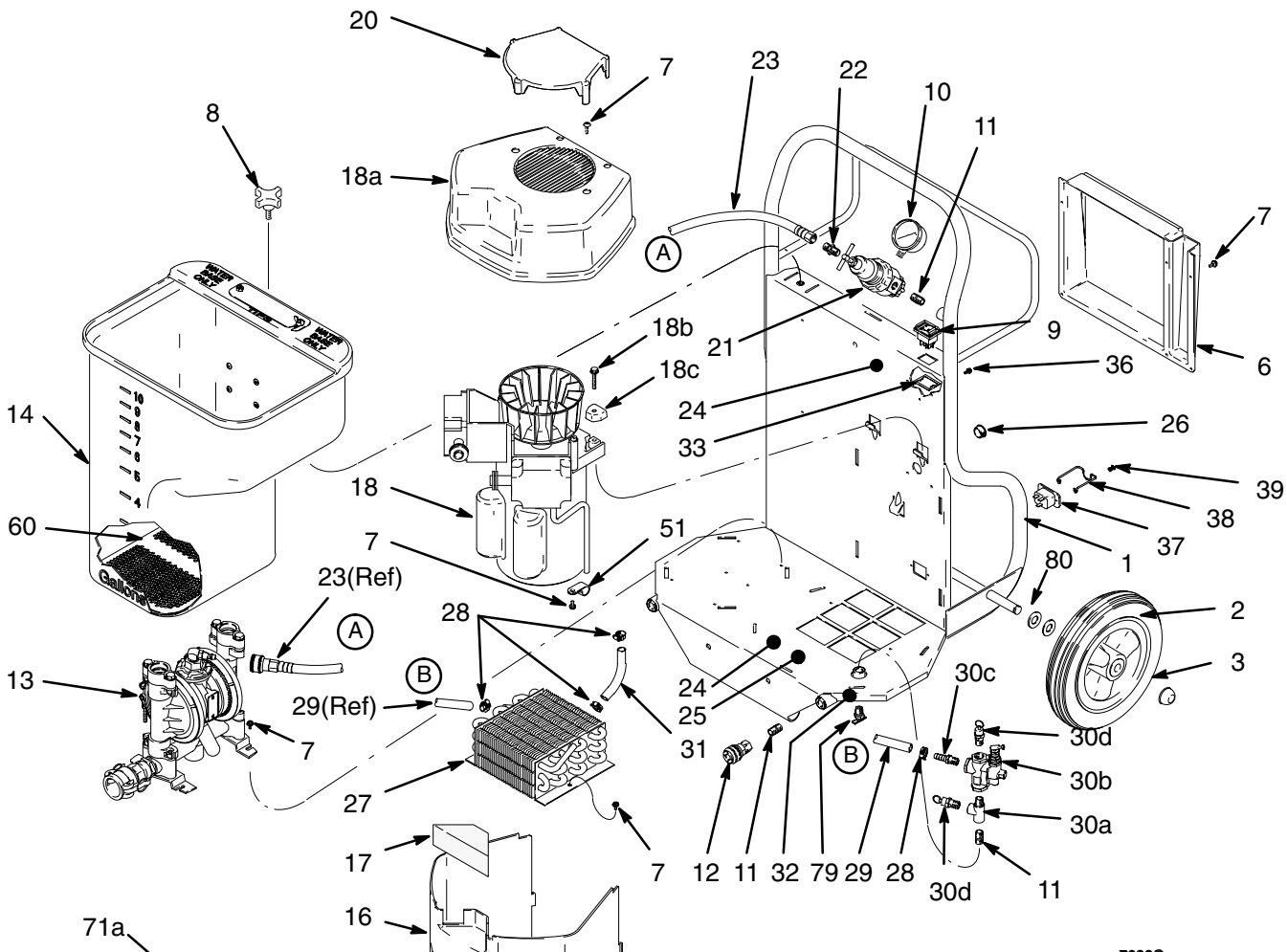


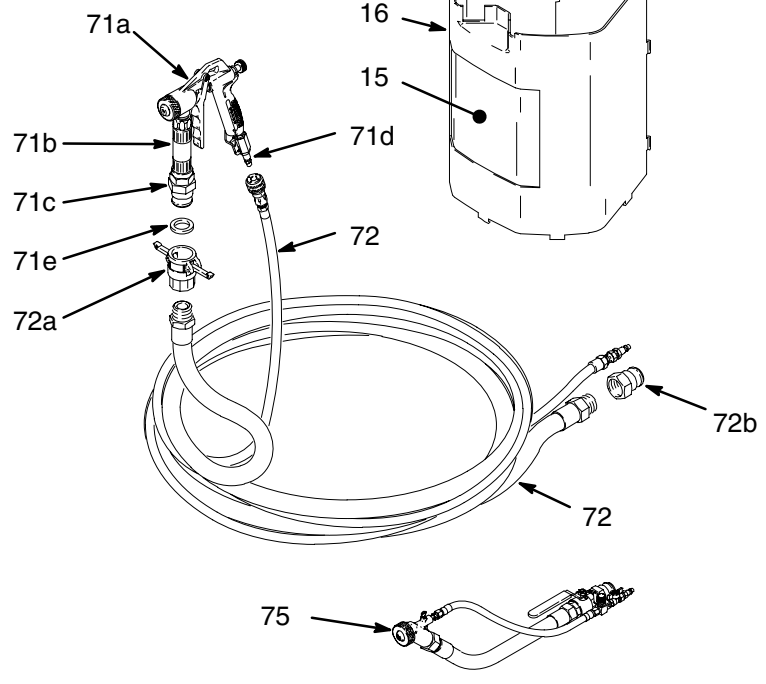
Fig. 20 7082B

Notes

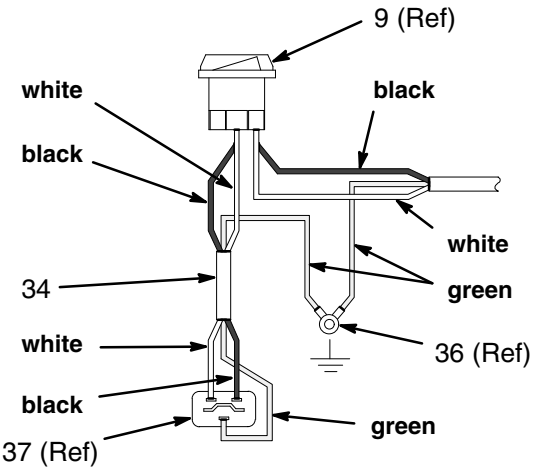
Parts Drawing

Model 231801, Series B and 231803, Series B





Wiring Diagram



Parts List

Model 231801, Series B and 231803, Series B

with 1-in. fluid hose, 3/8-in. air hose, and gun.

Ref No	Part No.	Description	Qty
1	192243	FRAME, TexSpray twin	1
2	113807	WHEEL, flat-free; urethane	2
3	114817	CAP, hub	2
4▲	189265	LABEL, danger	2
6	191948	COVER, tool box	1
7	113974	SCREW, machine, slotted, hex washer head	14
8	108471	KNOB, pronged	1
9	111961	SWITCH, rocker	1
10	113673	GAUGE	1
11	113029	PIPE, close	4
12	208536	COUPLER, air line	2
13	239753	PUMP	1
14	239282	HOPPER; 12 gal. (45 liter)	1
15	290440	LABEL, identification	1
16	191941	GUARD, compressor	1
17	191945	FILTER, air	1
18		COMPRESSOR, air, twin cylinder *includes 18a through 18c*	
	239743	120V, 60 Hz, 15A (for TexSpray Model 231801)	1
	239744	220V, 50 Hz, 12A (for TexSpray Model 231803)	1
18a	DAC244	. SHROUD	1
18b	SSF297	. SCREW; 1/4 x 1.125 in.	2
18c	ACG18	. CUP, saddle-mount	2
20	191944	COVER, filter	1
21	113406	REGULATOR, air	1
22	162453	NIPPLE	1
23	113813	HOSE, air, cpld; 3/8 in. x 25 in.	1
24▲	189286	LABEL, warning, moving	2
25▲	189285	LABEL, caution, hot	1
26	103394	BUSHING, snap	1
27	191940	COOLER, air	1
28	113382	CLAMP, hose	4
29	113810	HOSE, air; 3/8 in. x 13 in.	1
30	239058	REGULATOR, unloader assy.	1
30a	106228	. TEE, street	1
30b	113809	. REGULATOR, unloader	1
30c	113385	. BARB, hose	1
30d	113811	. VALVE, safety	2

Ref. No.	Part No.	Description	Qty.
31	113812	HOSE, air; 3/8 in. x 3 in.	1
32	290491	LABEL, instruction	1
33	192249	CLIP, spring, switch	1
34	239289	CONDUCTOR, electrical	1
35	186620	LABEL, symbol, ground	1
36	111593	SCREW	1
37	113799	INLET, AC power	1
38	192149	PLUG, retainer	1
39	106520	SCREW, thread forming	2
41	290539	LABEL, caution	1
43	169970	FITTING, line, air, (m)	1
46	113397	BALL, sponge; 30 mm *(not shown)*	1
48		CORD SET, 25 ft, USA, 14 awg	1
	239290	120V, 60 Hz, 15A (for TexSpray Model 231801)	1
	239291	220V, 50 Hz, 12A (for TexSpray Model 231803)	1
51	113491	CLAMP	1
60	192211	FILTER, hopper	1
71	238810	1-in. GUN KIT *(includes items 71a through 71e)*	
71a	224722	. TEXTURE GUN *(for Models 231780 & 231788) See manual 308162*	1
71b	187633	. HOSE ADAPTER	1
71c	113392	. COUPLER, 1 in. male	1
71d	169967	. FITTING, air line	1
71e	191223	. GASKET, coupler, 1 in.	1
72	239697	. HOSE SET, 1 in. fluid hose, 3/8 in. air hose; *includes 72a, 72b*	1
72a	113668	COUPLER, 1 in. (f)	1
72b	113675	COUPLER, 1 in. (m)	1
75		TEXTURE GUN KIT	
	238080	FLEX GUN *(for Models 231782 & 231790) See manual 308603*	1
	238807	POLE GUN, 3 ft (not shown) *(for Models 231783 & 231791) See manual 308603*	1
79	114041	VALVE, drain cock	1
80	154636	. SPACER	4

▲ *Replacement Danger and Warning labels, tags and cards are available at no cost.*

Accessories

Hose Cleanup Balls **238043**
5 sponge rubber balls to help scrub interior surface of hose during cleanup

Pole Spray Gun **238807**
Rigid 3-ft extension spray gun for spraying hard to reach places.

Garden Hose Flush Adapter **190952**
Adapts 1 in. outlet to 3/4 in. hose.

Fine Finish Kit **237855**
Screw-on nozzle adapter for trigger gun for fine knock down or orange peel finish.

Connecting Rod Kit **239740***
Service parts kit for compressor connecting rod replacement (includes parts contained in kit 239741).

Compressor Cyl/Comp Ring Kit **239741***
Service parts kit for cylinder and compression ring replacement.

Compressor Valve Plate Kit **239742***
Service parts kit for valve plate assembly. Includes instructions.

* Two kits are needed for twin cylinder compressor TexSpray Compact HP and TexSpray EXT HP.

Texture Pump Kit **239753**
Service parts kit for texture pump assembly. Includes instructions.

110V/60Hz Compressor Replacement Kit **239743**
Service parts kit for 110V, 60 Hz compressor replacement.

220V/50Hz Compressor Replacement Kit **239744**
Service parts kit for 220V, 50 Hz compressor replacement.

HOSE SETS

25 ft, 1 in. Clear, Braided **239697**
Complete hose set for TexSpray units. Material made of clear PVC with nylon braid reinforcing. Light-weight standard hose with system.

25 ft, 1-1/4 in. Clear **239698**
Complete hose set for TexSpray units. Same as 239297 except diameter is 1–1/4 in. Allows greater production rates and longer hose lengths with some texture materials.

25 ft, 1 in. Black **239699**
Complete hose set for TexSpray units. Material made of black reinforced rubber. Heavy, duty, rugged hose. The most abrasion-resistant hose.

Technical Data

Maximum air and fluid working pressure	100 psi (0.7 MPa, 7 bar)
Air pressure operating range	25 to 100 psi (0.17 to 0.7 MPa, 1.7 to 7 bar)
Compressor specifications	AC brushless open motor, thermally protected, oil-less; 120/240V, 60/50 Hz,15/13A
Compressor air consumption	11.9 displacement scfm 8.5 scfm at 40 psi (0.238 m^3/min at 2.8 bar) 6.8 scfm at 90 psi (0.19 m^3/min at 6.3 bar)
Generator required	7 kW
Hopper capacity	
Maximum	12 gallons (45 liters)
Operating	10 gallons (38 liters)
Maximum delivery with texture material	1 to 1.5 gpm (3.8 to 5.7 lpm)
Dimensions	
Length	23 in. (584 mm) with handle
Width	24 in. (610 mm)
Height	40 in. (1016 mm)
Weight	
Without hoses or gun	113 lb (51 kg)
With hoses and gun	125 lb (57 kg)
Wetted parts	acetal, glass-filled acetal, Buna–N, aluminum, brass, polyethylene
Sound data	
Sound pressure level *	79 dB(A)
Sound power level †	87.5 dB(A)

* Measured while spraying at 1 m.

† Measured per ISO-3744.

Graco 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.

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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.

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ADDITIONAL WARRANTY COVERAGE

Graco does provide extended warranty and wear warranty for products described in the "Graco Contractor Equipment Warranty Program".

Graco Phone Number

TO PLACE AN ORDER, contact your Graco distributor, or call this number to identify the distributor closest to you:
1–800–690–2894 Toll Free

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