INSTRUCTIONS–PARTS LIST 308717

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 ™ EXT HP and Twin Tank

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

Power	Model	Description
120V, 60 Hz	231761	Sprayer Model 231561 with 1-in. fluid hose, 3/8-in. air hose, and Trigger Gun with fine finish tip
	231762	Sprayer Model 231561 with 1-in. fluid hose, 3/8-in. air hose, and Flex Gun
	231763	Sprayer Model 231561 with 1-in. fluid hose, 3/8-in. air hose, and 3-ft Pole Gun
240V, 50 Hz	231769	Sprayer Model 231563 with 1-in. fluid hose, 3/8-in. air hose, and Trigger Gun with fine-finish tip
	231770	Sprayer Model 231563 with 1-in. fluid hose, 3/8-in. air hose, and Flex Gun
	231771	Sprayer Model 231563 with 1-in. fluid hose, 3/8-in. air hose, and 3-ft Pole Gun
None	231753	Twin-Tank Model 231587 with 1-in. fluid hose, 3/8-in. air hose, and Trigger Gun with fine-finish tip
	231754	Twin-Tank Model 231587 with 1-in. fluid hose, 3/8-in. air hose, and Flex Gun
	231755	Twin-Tank Model 231587 with 1-in. fluid hose, 3/8-in. air hose, and 3-ft Pole Gun

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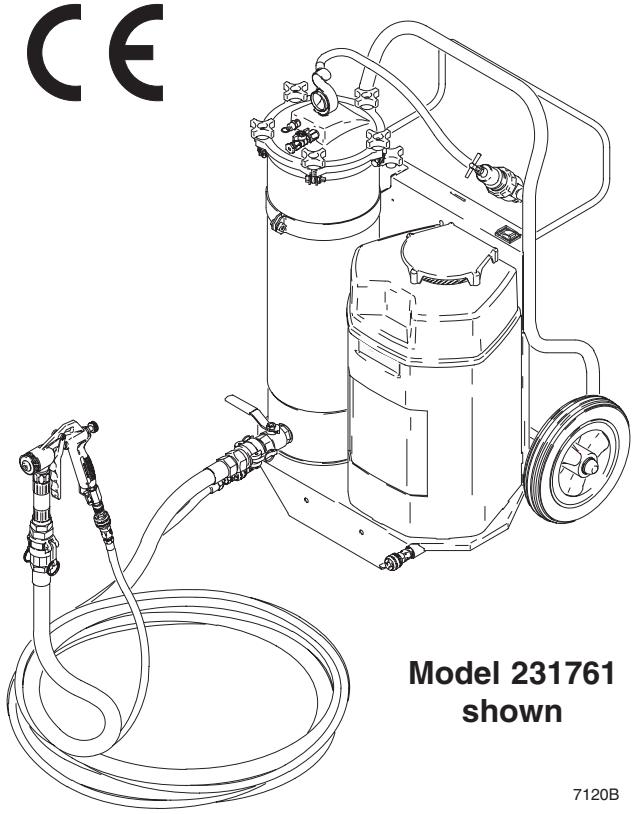


Model 231761 shown

7120B

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 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 6 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.
- Do not lay equipment down or allow material in pressure pot to plug the port to the pressure pot cover safety valve.
- Do not use the pot cover storage hook to lift the sprayer.

⚠ 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 7.
- 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.
- The pressure pot is lined to prevent corrosion and aid pot cleanup. To prevent liner damage, do not mix texture material in the pot. Inspect the pot daily, and replace the pot if corrosion or other damage is present.
- 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 all plastic 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

	Component	Function
A	ON/OFF switch	Power switch that controls 120/240V AC power to sprayer
B	Air pressure regulator	Adjusts air pressure in pot to control flow rate of material to spray gun
C	Pot cover storage hook	Allows the cover to hang from cart frame during pressure pot refilling
D	Pot safety valve	Prevents pot pressure from exceeding 100 psi (0.7 MPa, 7 bar)
E	Pot vent valve	Allows quick venting of pot air pressure for refilling and cleanup
F	Five-gallon pressure pot	Holds texture material
G	Air filter	Filters incoming air to the compressor
H	Fluid valve	Shuts off fluid supply to spray gun
J	Spray gun	Uses compressor air to break up and spray texture material
K	Air outlet	Provides quick disconnection of air supply from spray gun
L	Auxiliary air compressor port	Provides connection to replacement or supplemental air compressor
M	Compressor safety valve	Prevents supply and gun air pressure from exceeding 100 psi (0.7 MPa, 7 bar) limit
N	Cooler	Reduces temperature of air from compressor
P	Compressor	Open frame AC motor, 1-phase, with oil-less single-stage air compressor
R	Gun air valve	Shuts off air supply to spray gun
S	Air line drain valve	Allows air line moisture accumulation to be drained

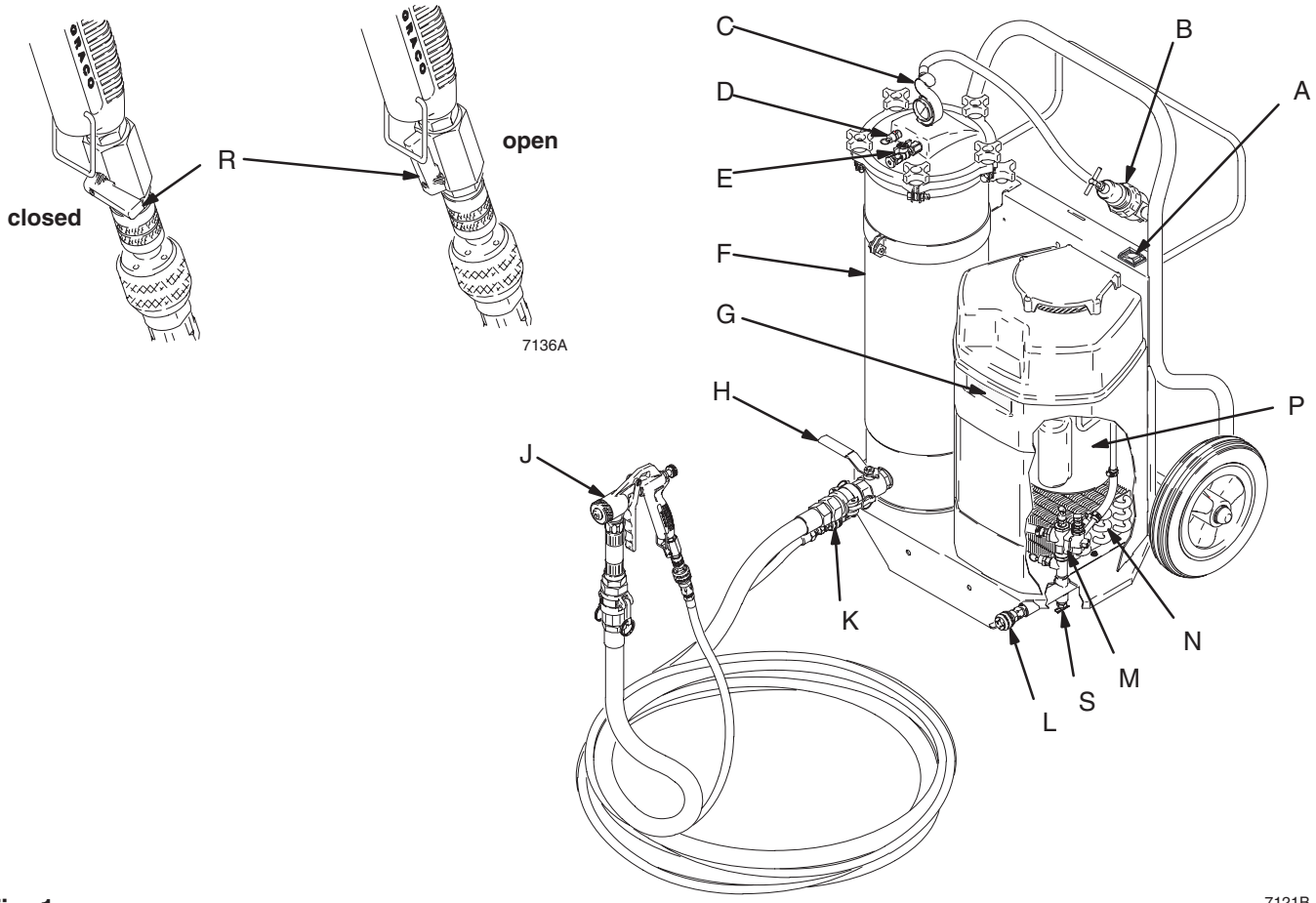


Fig. 1

Notes

Preparation

Compressor Break-in

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

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

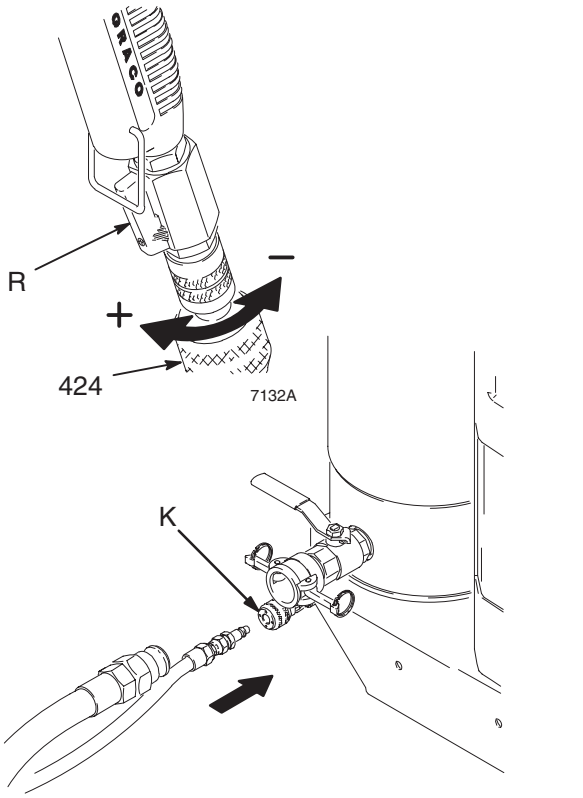


Fig. 2

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

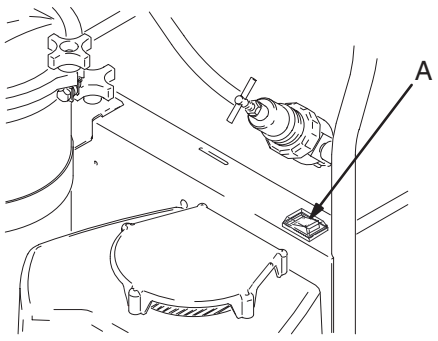


Fig. 3

⚠ 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 into a pail.
3. Open the gun air ball valve (R) (handle parallel with valve body) and air restrictor valve (424) (clockwise). See Fig. 2.
4. Unplug the system.

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.

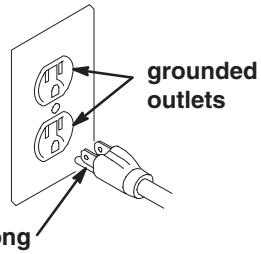


Fig. 4

- Do not alter the ground prong or use an 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.

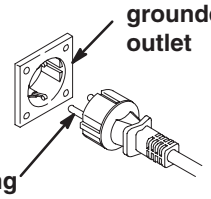


Fig. 5

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

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 **Parts List** on page 23.

Do not use more than 75 ft (23 m) of fluid hose.

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

Over pressurizing the system may cause component rupture and resulting in serious injury.

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

Removing and Installing the Pressure Pot

1. To remove the pressure pot (F), loosen the knob (T) so that about 1 in. of the threads are showing. Lift the pot off the unit. See Fig. 6.
2. To install the pressure pot, align bracket over slots (S) and set it on the plastic base. Tighten the knob (T). See Fig. 6.

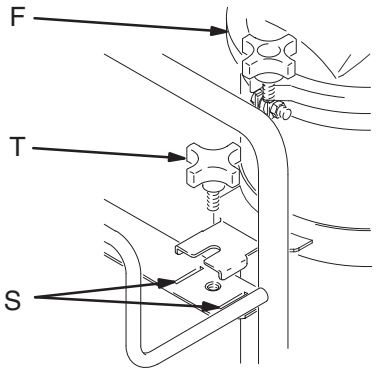


Fig. 6

Preparation

System Setup

See Fig. 7

1. Connect the hoses and gun as shown.
2. Be sure the air filter (G) is in place.
3. Plug the power cord into a properly grounded outlet.

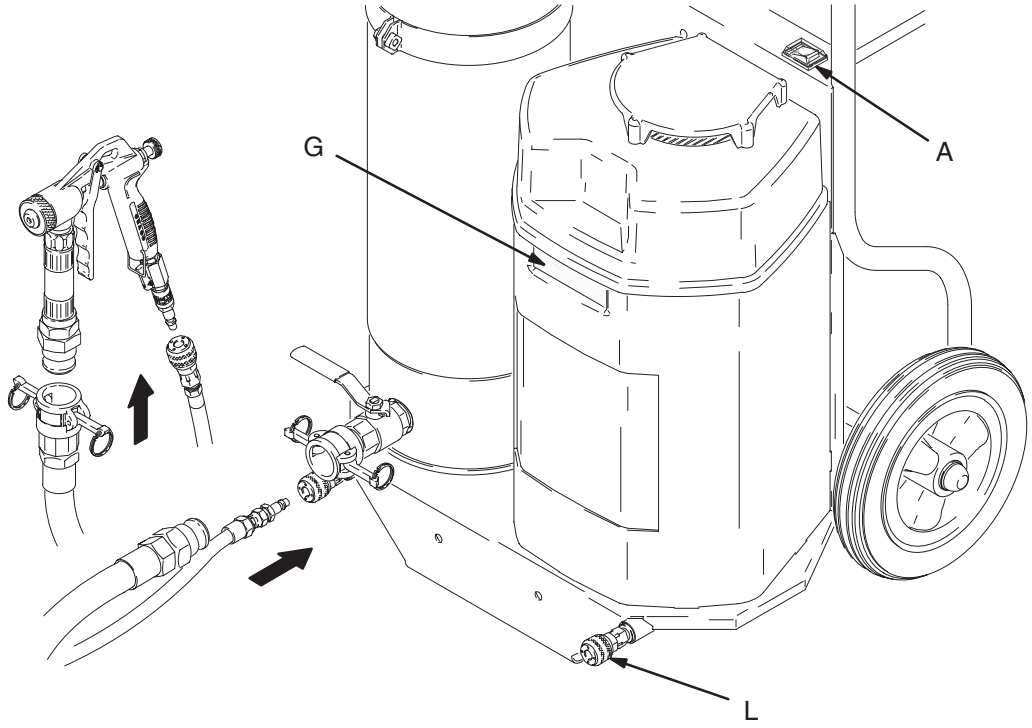


Fig. 7 7125B

Preparation

Operation Characteristics

- Always start the system with the compressor air relieved.
- Air bleeds from the gun nozzle whenever the gun air ball valve (R) and air restrictor valve (424) are open. Close the gun air ball valve to stop the air, if desired. Otherwise, it can stay open except during priming. See Fig. 8. See **Spraying Techniques** on pages 12 and 13 for more gun characteristics.
- A compressor unloader valve (M) with two pressure relief valves (W) is located under the compressor guard (11). Air escapes from the valve, often 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. 9.

⚠ 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 (A) OFF if the motor shuts down. See Fig. 7.

⚠ CAUTION

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

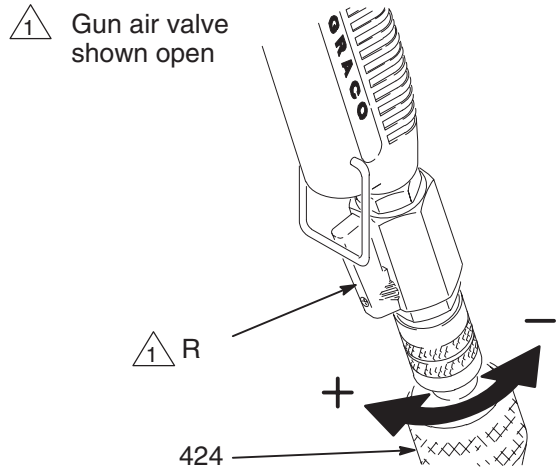
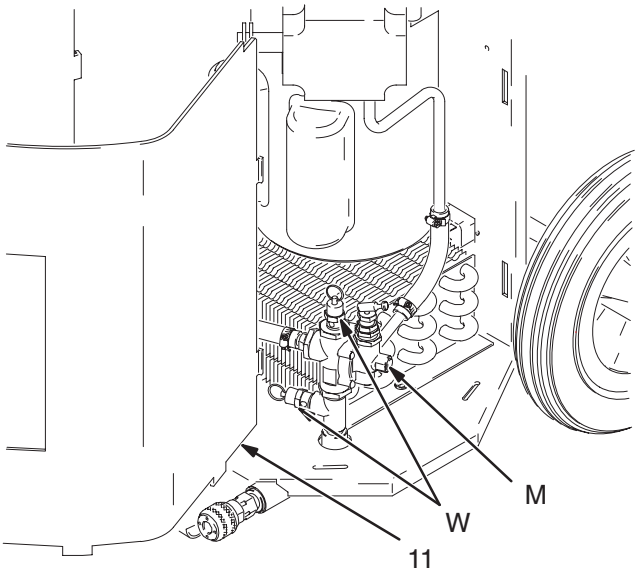


Fig. 8 7132A



7074A

Fig. 9

Preparation

Wetting the Hose Before Spraying 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 pot capacity is 5 gal. (19 liters). Add two gallons of clean water to the pot.
2. Close the gun air valve (R). (The system primes easier if no air is supplied to the gun.)
3. Turn the ON/OFF switch (A) ON. Adjust the regulator (B) to pressurize the pot to about 20 psi (138 kPa,1.4 bar). Trigger the gun into a pail. Spray water to wet the inside of the fluid hose.
4. Turn the ON/OFF switch (A) OFF.
5. Open the gun air ball valve (R) to relieve the compressor air. Open the pot vent valve (E) to vent the pot.

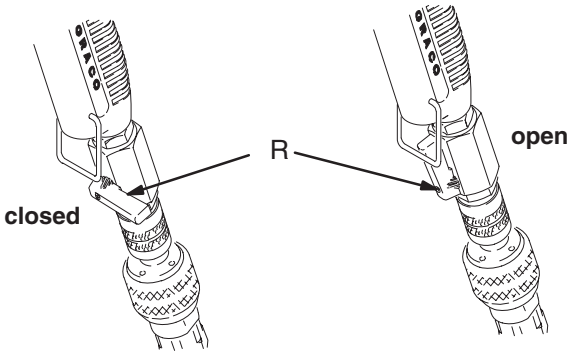


Fig. 10 7136A

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.
- Not all cementious materials can be sprayed. Many cementious materials will damage the sprayer.

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

Slowly add one bag of texture material to clean water as instructed on the bag instructions. Agitate to a smooth, lump-free consistency. **Thin or thicken the material as needed before pouring it into the pot.** For the best results, do not use partial bags of material.

Premixed cementious material is typically sprayable; bagged cementious material is typically unsprayable.

Perform the following procedure to determine if a bagged material is sprayable and whether it could damage the sprayer:

1. Mix material and wait 10 minutes.
2. If the material settles out, it will probably pack out when you attempt to spray it, which would damage the sprayer. Do not use the material.

Startup

Prime the System

See Fig. 11

1. To minimize material pack-up in the hose when using heavy sand material
   a. Disconnect gun from material hose.
   b. Open fluid supply valve (H).
   c. Thin 2 quarts (1.4 liters) of material to 1/2 thickness. Pour the solution into the tank.
2. After the 1/2-thickness material begins to enter the hose, fill the pressure pot (F) with the prepared texture material. Install the float assembly on top of the material to prevent air from disrupting material flow.
3. Install a tip. See the **Tip Selection Chart** on page 12.
4. Open the gun air valve (R) (see Fig. 10) to be sure air pressure is relieved and then close it. The system primes easier if no air is supplied to the gun.
5. Be sure there are no kinks in the hose, which restricts fluid flow.

NOTE: If spraying a simulated acoustic or coarse grain material, disconnect the hose at the gun, prime the hose, and direct the material into a pail for 10 seconds. Turn the ON/OFF switch OFF, and vent the pressure pot. Reconnect the hose to the gun.

6. Turn the ON/OFF switch (A) ON. Trigger the gun into a pail. Continue until there is a solid stream of texture material.
7. See **Spray Techniques** on pages 12 and 13 for proper spray pattern with pump and gun adjustments.

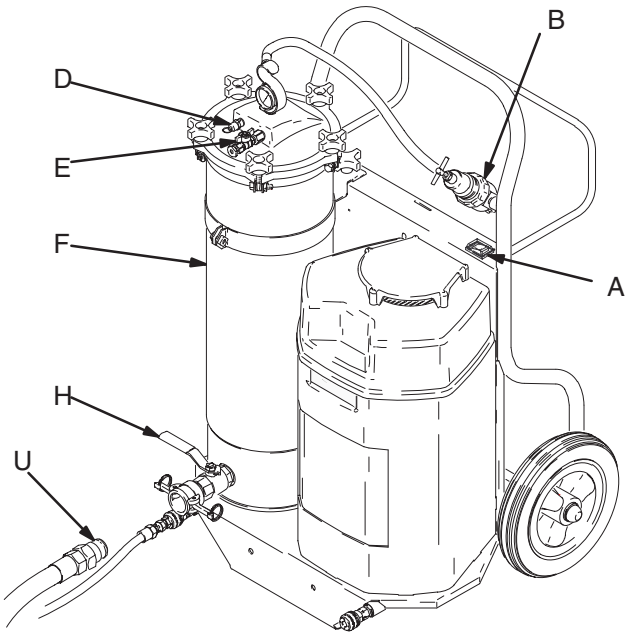


Fig. 11

Spray Techniques

Tip Selection Chart

Application	Tip Orifice[2]	Air Volume[1]
Fog	1/8 in.	high
Simulated acoustic	3/16 in. *(fine, or 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 air restrictor 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 restrictor 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 pot; thus, the more air you supply to the gun, the less that is available for the pot.

  Note: It takes the sprayer 15 seconds to stabilize at the pressure that is set at the regulator.

  - Turning the air restrictor valve (424) toward (**+**) increases air flow through the gun, which decreases texture material output.
  - Turning the air restrictor valve (424) toward (**–**) decreases air flow through the gun, which increases texture material output.

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 pot pressure. Use the regulator.

To Get More Material

Try any one or a combination of these methods:

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

  NOTE: Maximum trigger travel occurs when trigger bail (401) (see Fig. 13) can hold trigger in open position.

- Use a shorter hose.
- Use a thinner material mixture.
- Try a larger-orifice tip.
- Increase pot 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.

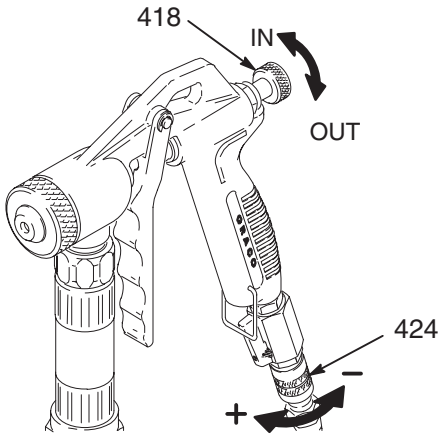


Fig. 12

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 (see Fig. 13) 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.

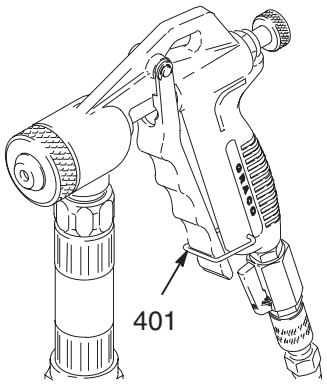


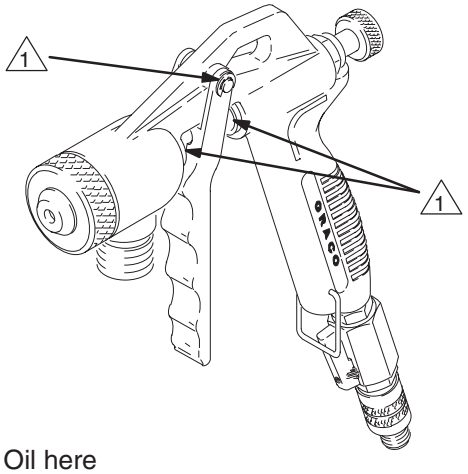
Fig. 13

Shutdown and Cleanup

⚠ CAUTION

To keep the unit in good operating condition, always clean it thoroughly and prepare it properly for storage, even for overnight storage. Pay particular attention to the following:

- A dirty filter allows contaminates into the compressor and eventually into the pot and gun, resulting in poor performance and damage.
- The gun requires daily lubrication for consistent performance. See Fig. 14.
- In cold weather, store the system where it will not freeze. If it does freeze, thaw it thoroughly before using it.



1 Oil here

Fig. 14 0631

See Fig. 15 and Fig. 16

1. Be sure the compressor pressure is relieved by opening gun air ball valve (R) and air restrictor valve (424).
2. Close the gun air ball valve (R), and turn on the ON/OFF switch (A).
3. Trigger the gun into a pail to empty the fluid in the pot.
4. Half fill the pot (F) with clean water. Clean the inside of the pot with a brush, if needed.

⚠ CAUTION

Flushing the hoses of the TexSpray EXT HP with hot water weakens the hoses. A weakened hose is more susceptible to damage and leakage. Do not use hot water to flush the hoses.

NOTE: The pot can be removed for cleaning. See page 7.

5. Trigger the gun into a pail until the float stop shuts off the material flow.
6. Fill the pot with clean water, and install the lid.
7. Start the sprayer. Spray half the water into a pail. Shut off the sprayer, and relieve the pressure. Remove the spray gun. Close the fluid outlet valve (H). Disconnect the hose from the coupler (43) and install several hose cleaning balls (81) into the hose. Reconnect the hose. Open the fluid outlet valve (H).
8. Start the sprayer. The sprayer tank pressure forces the hose cleaning balls and the water into the pail. Be sure to recover the hose cleaning balls.

   Note: Use low pressure when the hose cleaning balls are in the hose.

Shutdown and Cleanup

9. Turn off the switch (A). Open the gun air valve (R) to relieve compressor pressure. Open the pot vent valve (E).
10. Remove the air filter (G), wash it thoroughly with soap and water, and reinstall it.
11. Clean and dry the gun. Oil the gun daily with a few drops of SAE–10 light oil at the points indicated in Fig. 14.
12. Remove any dry residue from the cooler (N).
13. Drain the frame air line after each use as follows.
    a. Open the drain cock valve (S).
    b. Start the sprayer.
    c. Rock the sprayer back and forth slightly to drain any moisture in the air line.
    d. Stop the sprayer.
    e. Close the drain cock valve.

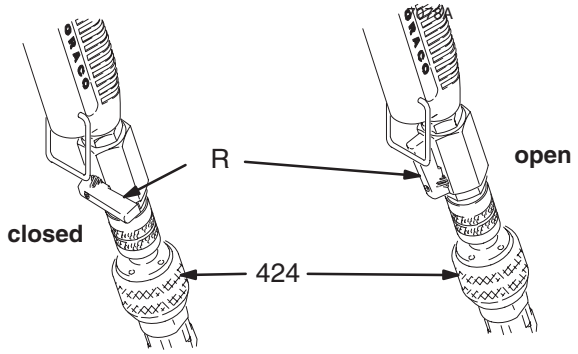


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Fig. 15

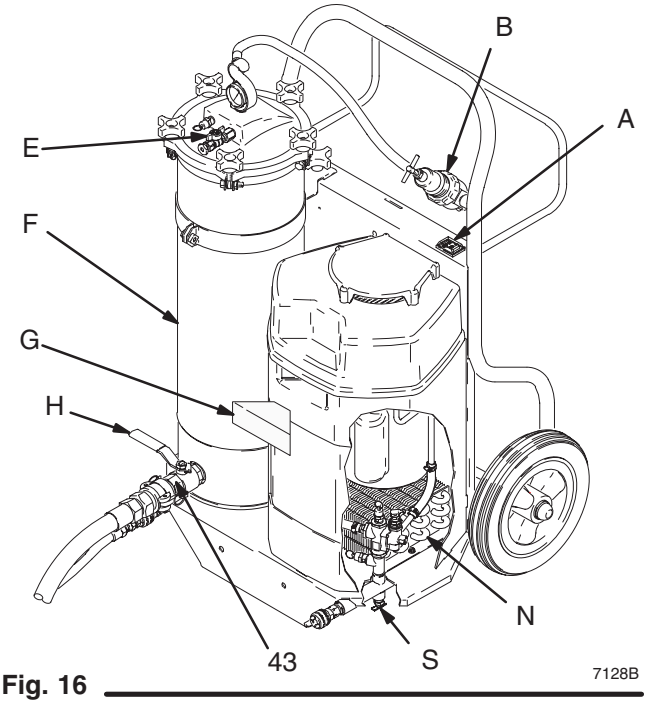

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Fig. 16

Troubleshooting

See **Pressure Relief Procedure** on page 6.

PROBLEM	CAUSE	SOLUTION
Compressor does not start	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 7. **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.
		Have motor serviced.
No material output from pot.	Pot is empty	Refill pot. **NOTE:** Plate (45) shuts off material flow to prevent air from entering hose.
	Not enough pressure to pot	Shut off air at the gun and increase air pressure to the pot to maximum. Turn regulator clockwise to increase.
	Material too thick	Thin material.
	Clogged pot outlet	Inspect; clear.
	Gun or nozzle plugged or dry packed	Turn off the fluid supply valve. Relieve fluid pressure from the hose. Remove gun from material hose and slowly open fluid valve. **Note:** A plugged gun or nozzle may cause the hose to plug. If necessary clean hose and gun before cycling material through the hose with the gun removed.
	Hose plugged or too long	Relieve pressure. Clean hose or reduce hose length.

Troubleshooting

PROBLEM	CAUSE	SOLUTION
Material surges	Triggering too fast	Squeeze trigger slowly to open position while moving gun in a circular motion.
Speed of application to slow	Material too thick	Thin material.
	Not enough air pressure to pot	Shut off air at the gun and increase air pressure to the pot to maximum. Turn regulator clockwise to increase.
	Leaking cover gasket	Clean or replace gasket.
	Nozzle too small	Increase nozzle size.
	Hose plugged or too long	Relieve pressure; clean hose or reduce hose length.
Pattern too fine or too much over spray	Material too thin	Thicken material.
	Air pressure at gun too high	Decrease air to gun at gun fitting.
	Material delivery too low	Increase nozzle size.
		Increase air pressure to pot and/or decrease air to gun at gun fitting or reduce hose length.
		Turn fluid knob out on gun. See **Spray Techniques** on pages 12 and 13.
Pattern too coarse	Material too thick	Thin material.
	Air pressure at gun too low	Increase air to gun at gun fitting.
	Material delivery too high	Decrease nozzle size.
		Decrease air pressure to pot and/or increase air to gun at gun fitting.
		Turn fluid knob in on gun. See **Spray Techniques** on pages 12 and 13.
Unloader stuttering, unloading too early, or unloading too late	Damaged unloader	Replace.

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

See Fig. 17 and Fig. 18

1.  **Relieve the pressure.** See **Pressure Relief Procedure** on page 6.
2. Remove filter cover (20).
3. Remove two screws (7) and the compressor cover (21).
4. Remove and clean the air filter (G).
5. Remove compressor guard (16).
6. Remove six screws (7) and tool box cover (6).
7. Remove grounding screw (36) and two leads (U) from bottom of switch (9).

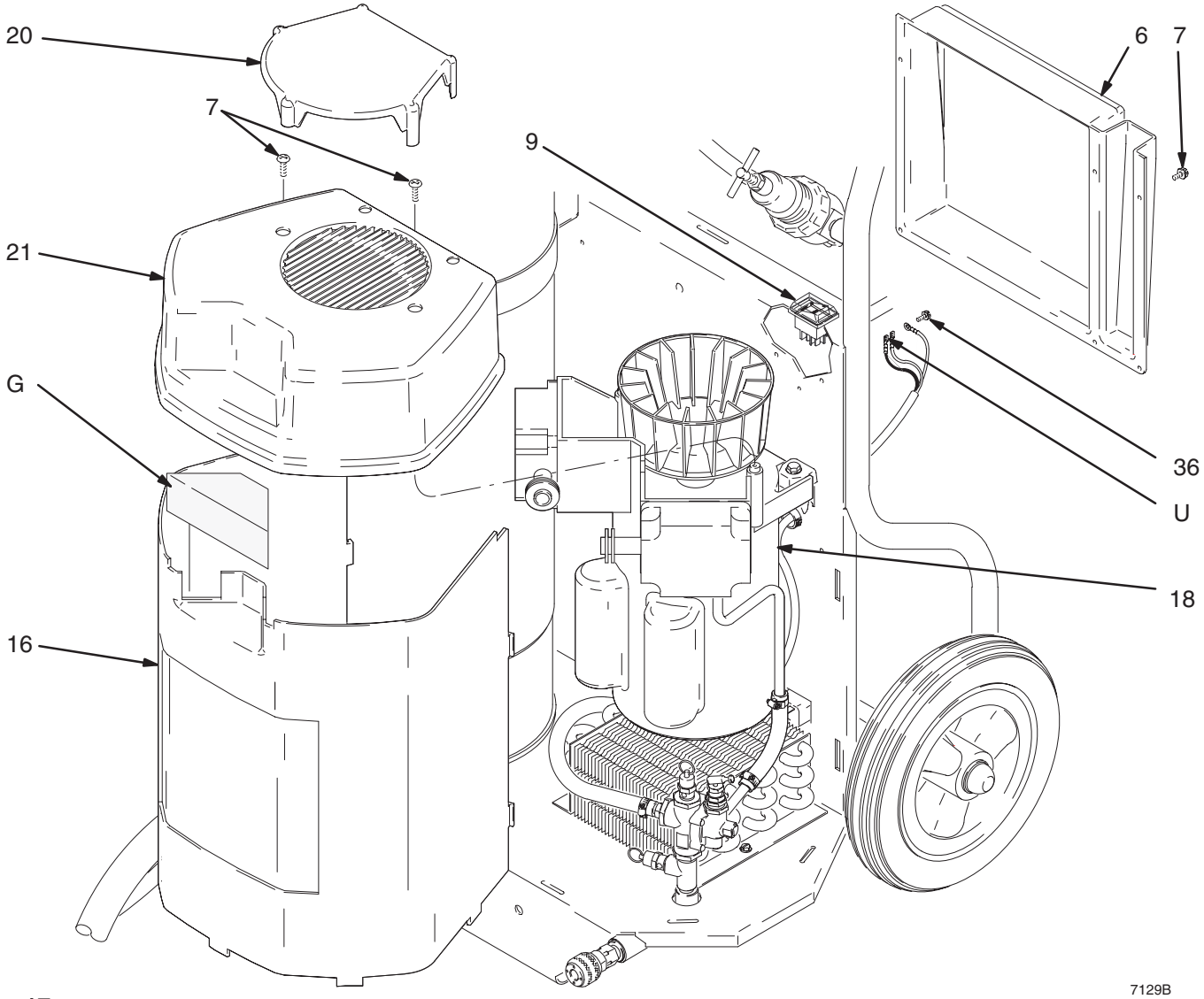


Fig. 17

Removing and Reinstalling Compressor

8. Tip TexSpray horizontal.
9. Loosen hose clamps (28) and pull out hose (31).
10. Remove two screws (76) and saddle-mount cups (77).
11. Place a piece of cardboard between compressor and cooler to protect cooler from damage during step 12.
12. Carefully remove compressor wires while lifting compressor up and away from cart frame (1).

Compressor Repair

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 the **Accessories**.

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

Reinstalling Compressor

Reassemble sprayer in reverse order of **Removing Compressor.**

NOTE: See the **Wiring Diagram** on page 22.

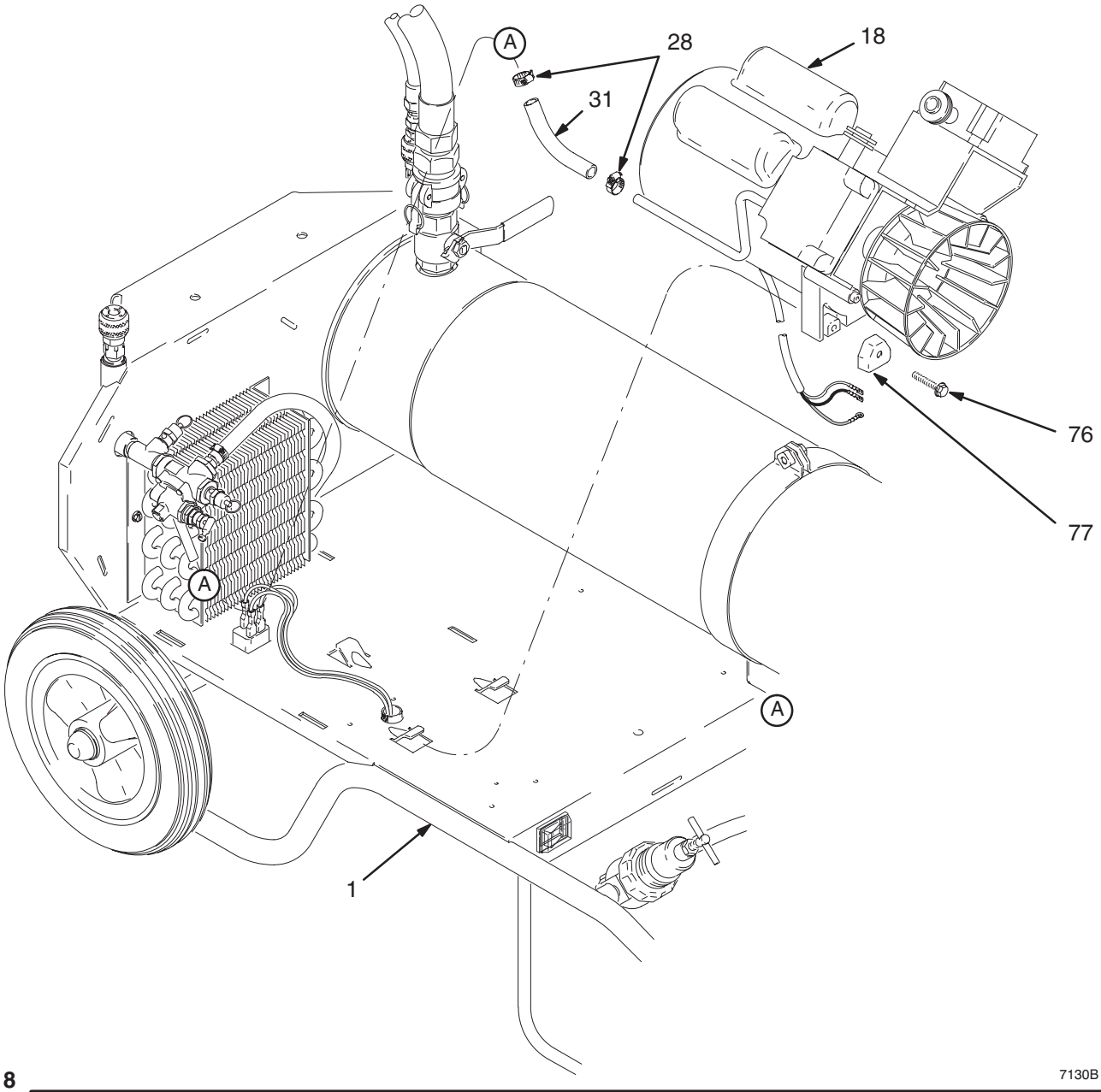


Fig. 18 7130B

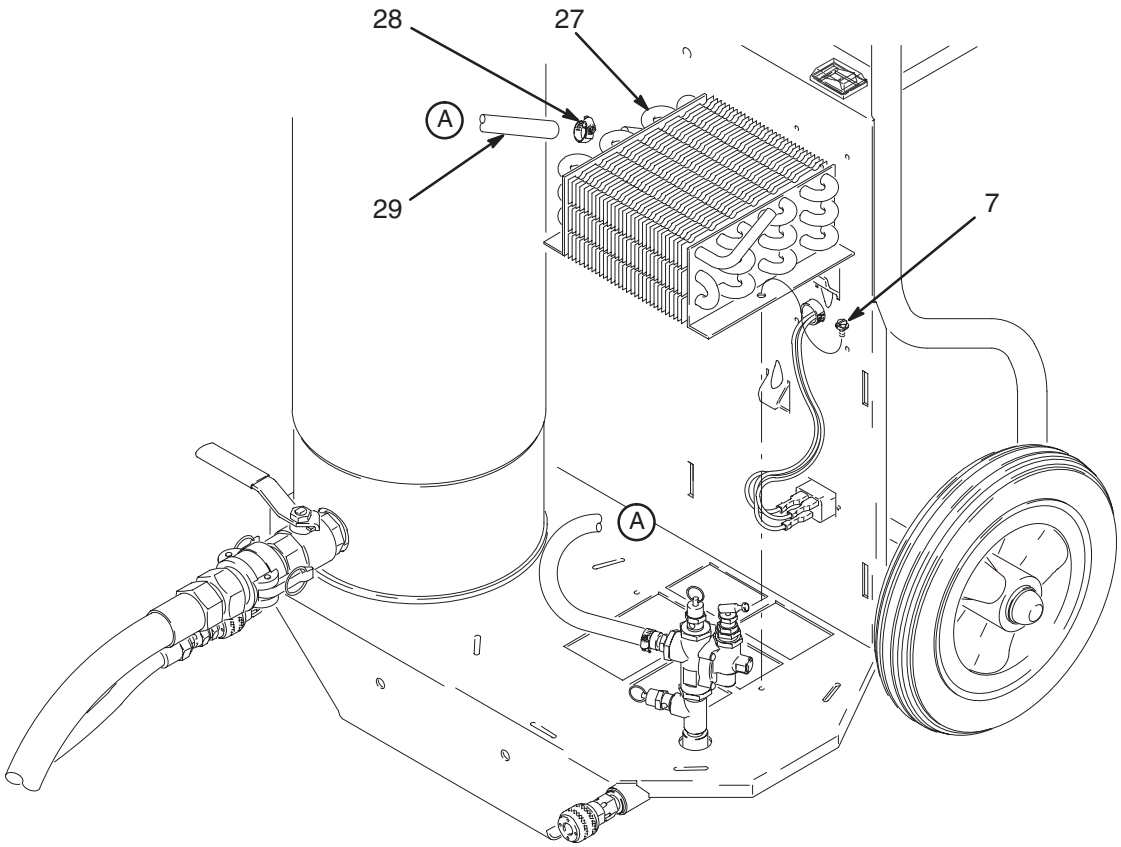
Removing and Inspecting Cooler

⚠ 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. 19

1.  **Relieve the pressure.** See **Pressure Relief Procedure** on page 6.
2. See **Removing Compressor**, beginning on page 18.
3. Loosen clamp (28) on hose (29), and remove hose from cooler (27).
4. Remove screws (7) and cooler (27). Clean the cooler, and inspect for leaks, dents, and plugging with dust. Replace cooler if necessary.

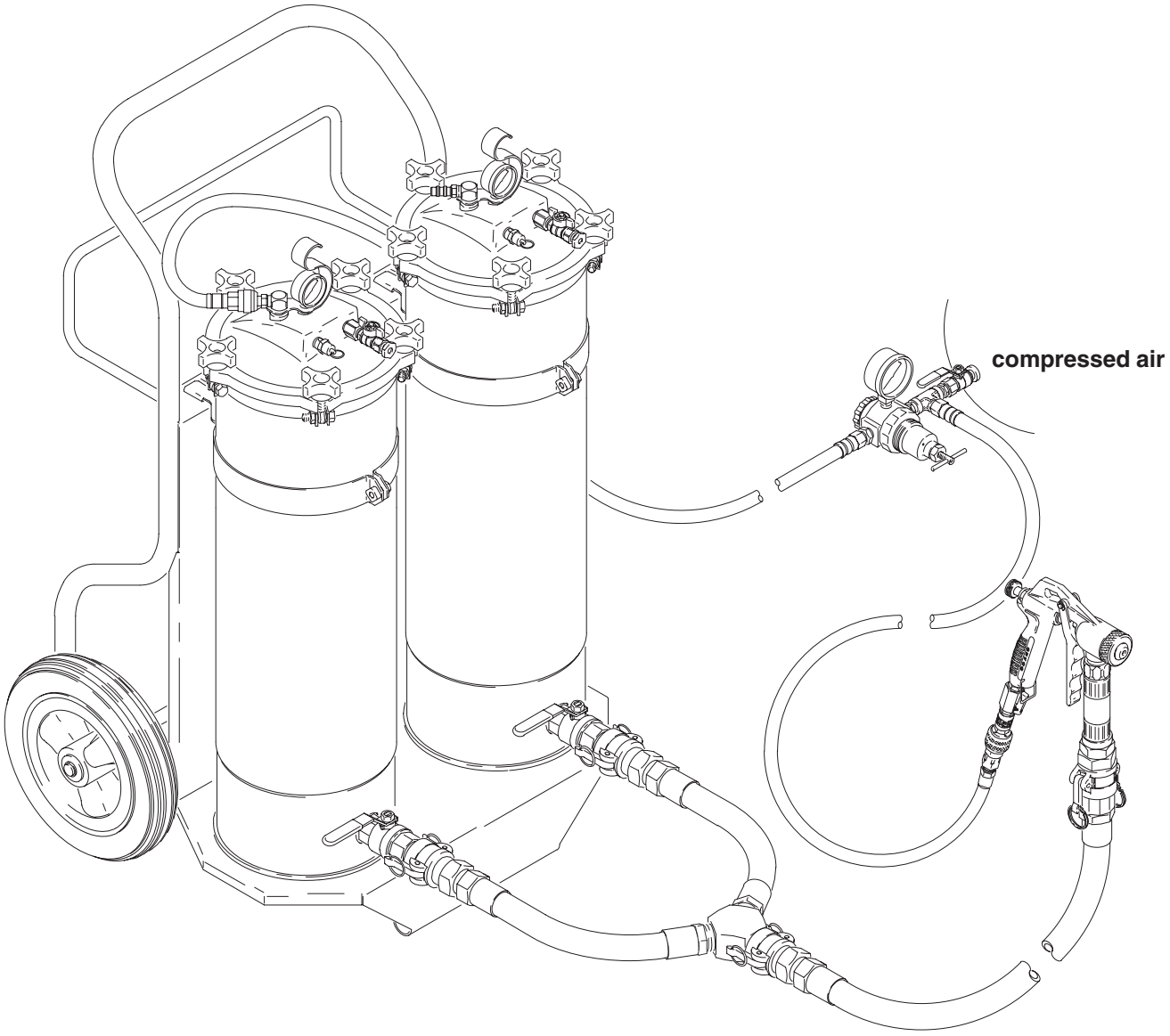


7131B

Fig. 19

Typical Twin Tank Setup

An assembled TexSpray twin-tank system is shown in Fig. 20. Individual parts are shown and listed on page 24.



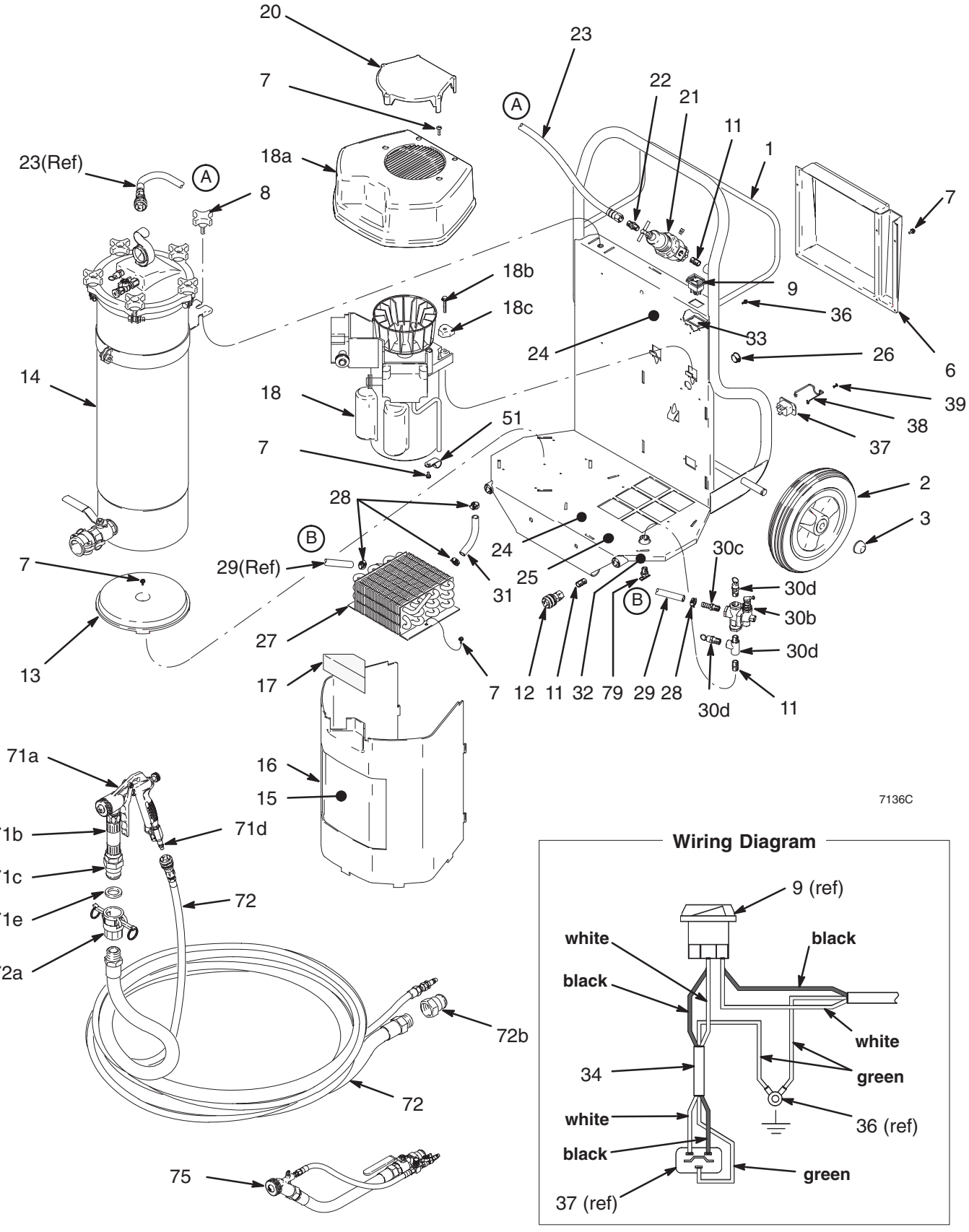
7997A

Fig. 20

Parts

TexSpray EXT HP Sprayer Models 231561 and 231563

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



Wiring Diagram

Parts

TexSpray EXT HP Sprayer Models 231561 and 231563

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

Ref No	Part No.	Description	Qty
1	192243	FRAME, TexSpray	1
2	113807	WHEEL, flat-free; urethane	2
3	114817	CAP, hub	2
4▲	189265	LABEL, gun operation; *not shown*	2
6	191948	COVER, tool box	1
7	113974	SCREW, machine, slotted, hex, washer head	11
8	108471	KNOB, pronged	1
9	111961	SWITCH, rocker, with clip	1
11	100606	PIPE, close	4
12	208536	COUPLER, air line	2
13	191942	BRACKET, tank base	1
14	239023	POT, pressure, *see page 25*	1
15	290393	LABEL, identification	1
16	191941	GUARD, compressor	1
17	191945	FILTER, air	1
18		COMPRESSOR, air, twin cylinder, *includes 18a through 18c*	
		Model 231561	
	239743	120V, 60 Hz, 15A	1
		Model 231563	
	239744	220V, 50 Hz, 12A	1
18a	DAC244	. SHROUD, front	1
18b	SSF297	. SCREW, 1/4 x 1.125 in.	2
18c	ACG18	. CUP, saddle-mount	2
20	191944	COVER, filter	1
21	113406	AIR REGULATOR	1
22	162453	NIPPLE	1
23	113813	HOSE, air, cpld, 3/8 in. x 25 in.	1
24▲	189286	LABEL, warning	2
25	189285	LABEL, caution	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 *includes 30a through 30d*	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, *not shown*	1
36	111593	SCREW, ground, green	1
37	113799	INLET, AC power	1
38	192149	RETAINER, plug	1
39	106520	SCREW, thread forming	2
41	290539	LABEL, caution	1
43	169970	FITTING, line, air, (m)	1
45	191947	FLOAT, tank, *see page 25*	1
46	113397	BALL, sponge, 30 mm	1
48	239290	CORD SET, 25 ft, USA, 14 AWG	1
51	113491	CLAMP	1
71	238177	1 in. GUN KIT *(used on 231761) includes items 71a through 71e*	1
71a	238176	. TEXTURE GUN *see manual 308162 for parts*	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		KIT, spray gun	
	238080	FLEXHEAD *(used on 231762) see manual 308603*	1
	238807	POLE GUN, 3 ft *(used on 231763) see manual 308603*	1
79	114041	VALVE, drain cock	1

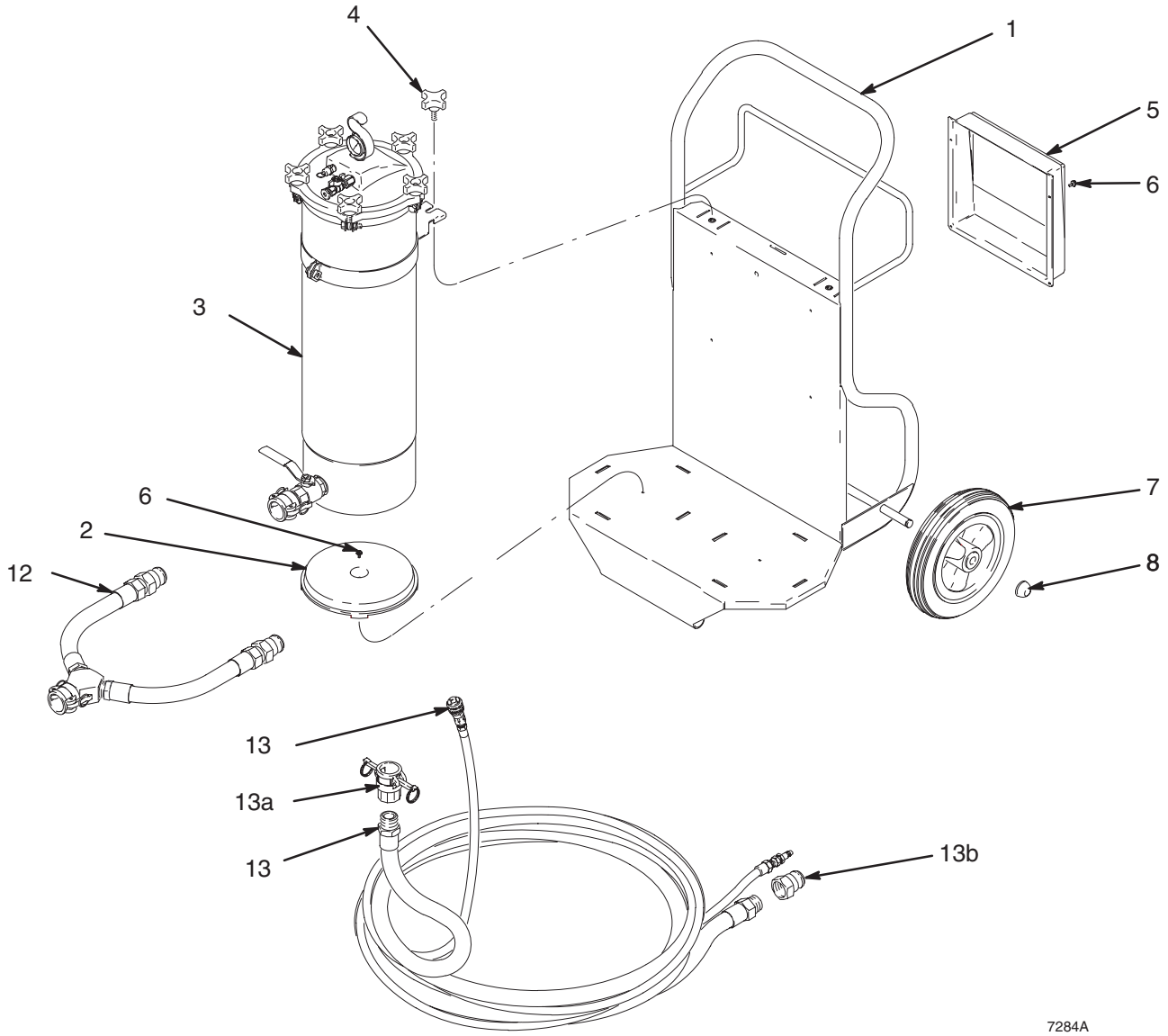
▲ *Replacement Danger and Warning labels, tags and cards are available at no cost.*

Parts

TexSpray Twin Tank Model 231587

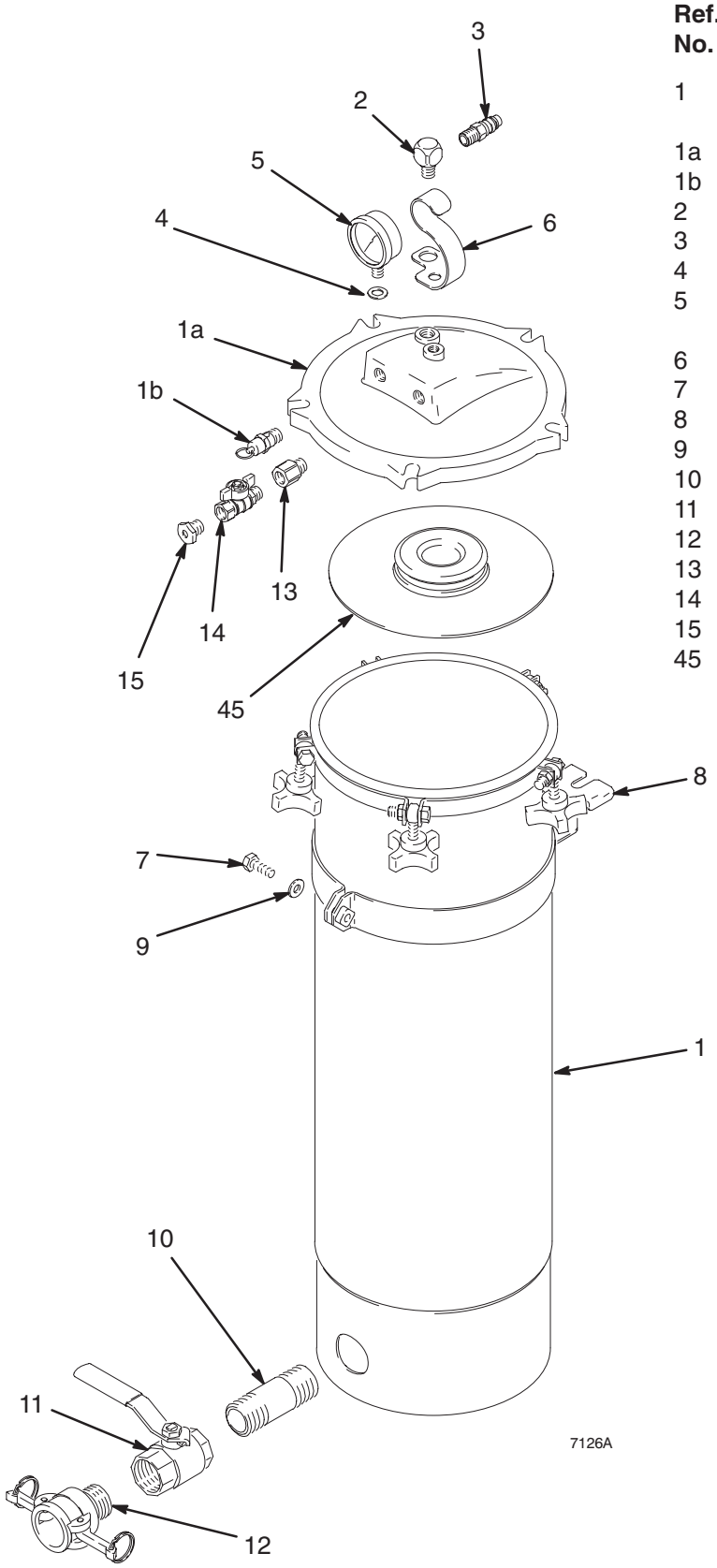
(with 1 in. fluid hose, 3/8 in. air hose, and gun)

Ref. No.	Part No.	Description	Qty.
1	192244	FRAME, TexSpray Twin	1
2	191942	BRACKET, tank, base	2
3	239023	POT, pressure, *see page 25*	2
4	108471	KNOB, pronged	2
5	192043	COVER, tool box	1
6	113974	SCREW, mch, sltd, hex wash hd	6
7	113807	WHEEL, flat free urethane	2
8	114817	HUBCAP	2
11▲	189265	LABEL, gun operation; *not shown*	2
12	238781	KIT, Y, two pot	1
13	239697	HOSE SET, 1 in. fluid hose, 3/8 in. air hose; *includes 13a, 13b*	1
13a	113668	. COUPLER, 1 in. (f)	1
13b	113675	. COUPLER, 1 in. (m)	1
14	113397	BALL, sponge, 30 mm	2
15	191947	FLOAT, tank, *see page 25*	2



Parts

Pressure Pot 239023



Ref. No.	Part No.	Description	Qty.
1	239037	POT, pressure Includes items 1a and 1b	1
1a	192019	.COVER, pressure pot modified	1
1b	114055	.VALVE, safety	1
2	100840	ELBOW, street, 1/4 in. npt	1
3	169970	FITTING, line, air, (m)	1
4	113373	WASHER, spring 10 mm	1
5	114045	GAUGE, press, air, 0 to 160 psi 0 to 1.1 MPa, 0 to 11 bar)	1
6	190938	GUARD, gauge	1
7	100469	CAPSCREW	1
8	239024	BAND, retaining, pressure pot	1
9	100731	WASHER	1
10	113120	NIPPLE, brass, 1 in. npt x 4 in.	1
11	113121	VALVE, ball	1
12	113374	COUPLER, Female, 1 in. npt	1
13	113336	ADAPTER 1/4 in. npt (m x f)	1
14	113379	VALVE, vent, 1/4 in. x 1/4 in.	1
15	113096	MUFFLER, Valve, Ball	1
45	191947	FLOAT, tank	1

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.

Twin-Tank Hose Kit **238781**
Includes the material hose and hardware necessary to connect an additional pressure pot.

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.

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.

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, oilless; 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
Pressure pot capacity	5 gallons (19 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	
EXT HP System w/o hoses or gun	124 lb (54 kg)
EXT HP System with hoses & gun	135 lb (61 kg)
Twin-Tank System	94 lb (32 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.

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

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

Graco makes no warranty, and disclaims all implied warranties of merchantability and fitness for a particular purpose in connection with accessories, equipment, materials or components sold but not manufactured by Graco. These items sold, but not manufactured by Graco (such as electric motors, switches, hose, etc.), are subject to the warranty, if any, of their manufacturer. Graco will provide purchaser with reasonable assistance in making any claim for breach of these warranties.

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

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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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GRACO INC. P.O. BOX 1441 MINNEAPOLIS, MN 55440–1441
http://www.graco.com

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