Operation, Parts

Air Compressor & Hopper Guns (Gravity-Fed & Pressurized)

3A5725G
EN

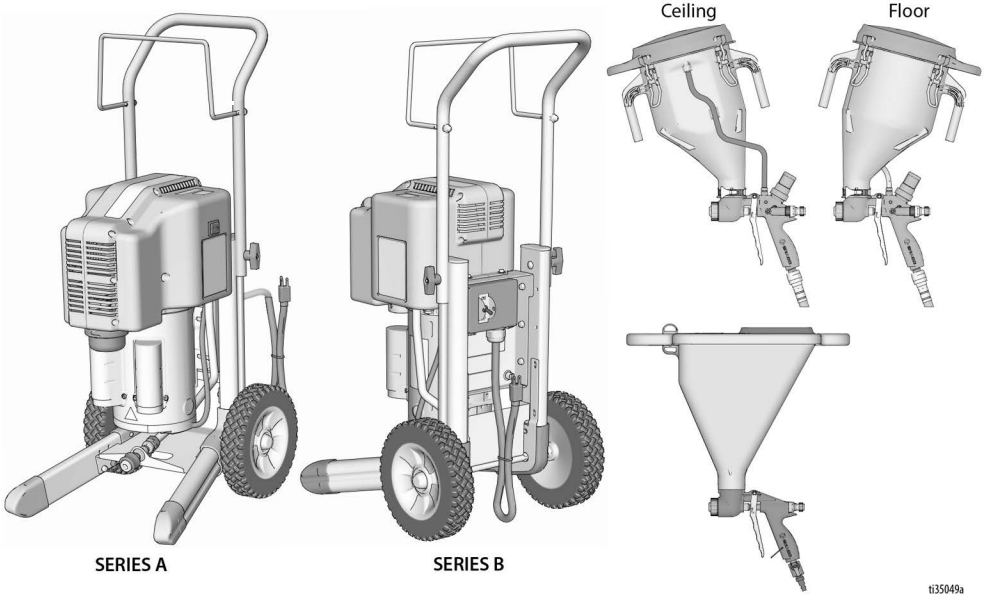
For spray application of water-based architectural and texture coatings.
Air compressor for supplying air to hopper guns only.
Not approved for use in explosive atmospheres or hazardous (classified) locations.
For professional use only.

See page 3 for model information.

5 psi (0.03 MPa, 0.3 bar) Hopper Maximum Working Air Pressure
60 psi (0.41 MPa, 4.1 bar) Compressor Maximum Working Air Pressure
100 psi (0.69 MPa, 6.9 bar) Gun Maximum Working Air Pressure

Important Safety Instructions

Read all warnings and instructions in this manual. Be familiar with the controls and the proper usage of the equipment. Save these instructions.



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Warnings

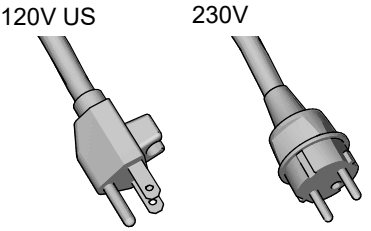
The following warnings are for the setup, use, grounding, maintenance, and repair of this equipment. The exclamation point symbol alerts you to a general warning and the hazard symbols refer to procedure-specific risks. When these symbols appear in the body of this manual or on warning labels, refer back to these Warnings. Product-specific hazard symbols and warnings not covered in this section may appear throughout the body of this manual where applicable.

⚠WARNING

GROUNDING

This product must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This product is equipped with a cord having a grounding wire with an appropriate grounding plug. The plug must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinances.

- Improper installation of the grounding plug is able to result in a risk of electric shock.
- When repair or replacement of the cord or plug is required, do not connect the grounding wire to either flat blade terminal.
- The wire with insulation having an outer surface that is green with or without yellow stripes is the grounding wire.
- Check with a qualified electrician or serviceman when the grounding instructions are not completely understood, or when in doubt as to whether the product is properly grounded.
- Do not modify the plug provided; if it does not fit the outlet, have the proper outlet installed by a qualified electrician.
- This product is for use on a nominal 120V or 230V circuit and has a grounding plug similar to the plugs illustrated below.



- Only connect the product to an outlet having the same configuration as the plug.
- Do not use an adapter with this product.

Extension Cords:

- Use only a 3-wire extension cord that has a grounding plug and a grounding receptacle that accepts the plug on the product.
- Make sure your extension cord is not damaged. If an extension cord is necessary use 12 AWG (2.5mm^2) minimum, 50 ft maximum length, to carry the current that the product draws.
- An undersized cord results in a drop in line voltage and loss of power and overheating.

⚠WARNING

ELECTRIC SHOCK HAZARD

This equipment must be grounded. Improper grounding, setup, or usage of the system can cause electric shock.

- Turn off and disconnect power cord before servicing equipment.
- Connect only to grounded electrical outlets.
- Use only 3-wire extension cords.
- Ensure ground prongs are intact on power and extension cords.
- Do not expose to rain. Store indoors.

PRESSURIZED EQUIPMENT HAZARD

Fluid from the equipment, leaks, or ruptured components can splash in the eyes or on skin and cause serious injury.

- Follow the **Pressure Relief Procedure** when you stop spraying/dispensing and before cleaning, checking, or servicing equipment.
- Tighten all fluid connections before operating the equipment.
- Check hoses, tubes, and couplings daily. Replace worn or damaged parts immediately.

EQUIPMENT MISUSE HAZARD

Misuse can cause death or serious injury.

- Always wear appropriate gloves, eye protection, and a respirator or mask when spraying.
- Do not operate or spray near children. Keep children away from equipment at all times.
- Do not overreach or stand on an unstable support. Keep effective footing and balance at all times.
- Stay alert and watch what you are doing.
- Do not operate the unit when fatigued or under the influence of drugs or alcohol.
- Do not kink or over-bend the hose.
- Do not expose the hose to temperatures or to pressures in excess of those specified by Graco.
- Do not use the hose as a strength member to pull or lift the equipment.
- Do not alter or modify equipment. Alterations or modifications may void agency approvals and create safety hazards.
- Make sure all equipment is rated and approved for the environment in which you are using it.

Warnings

⚠WARNING

PLASTIC PARTS CLEANING SOLVENT HAZARD

Many cleaning solvents can degrade plastic parts and cause them to fail, which could cause serious injury or property damage.

- Use only compatible solvents to clean plastic structural or pressure-containing parts.
- See **Technical Specifications** in all equipment manuals for materials of construction. Consult the solvent manufacturer for information and recommendations about compatibility.

MOVING PARTS HAZARD

Moving parts can pinch, cut or amputate fingers and other body parts.

- Keep clear of moving parts.
- Do not operate equipment with protective guards or covers removed.
- Pressurized equipment can start without warning. Before checking, moving, or servicing equipment, follow the **Pressure Relief Procedure** and disconnect all power sources.

BURN HAZARD

Equipment surfaces and fluid that is heated can become very hot during operation.

- Do not touch hot fluid or equipment.

PERSONAL PROTECTIVE EQUIPMENT

Wear appropriate protective equipment when in the work area to help prevent serious injury, including eye injury, hearing loss, inhalation of toxic fumes, and burns. This protective equipment includes but is not limited to:

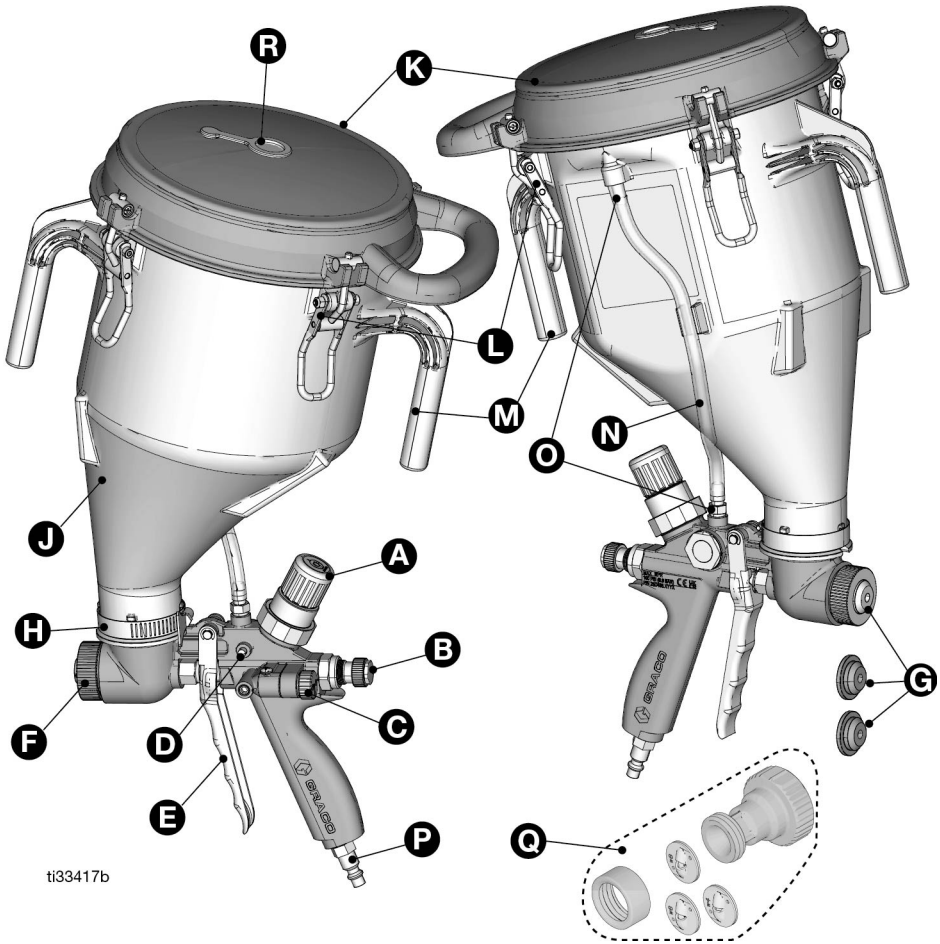
- Protective eyewear, and hearing protection.
- Respirators, protective clothing, and gloves as recommended by the fluid and solvent manufacturer.

CALIFORNIA PROPOSITION 65

This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm. Wash hands after handling.

Component Identification

25D496 - Pressurized Hopper Gun

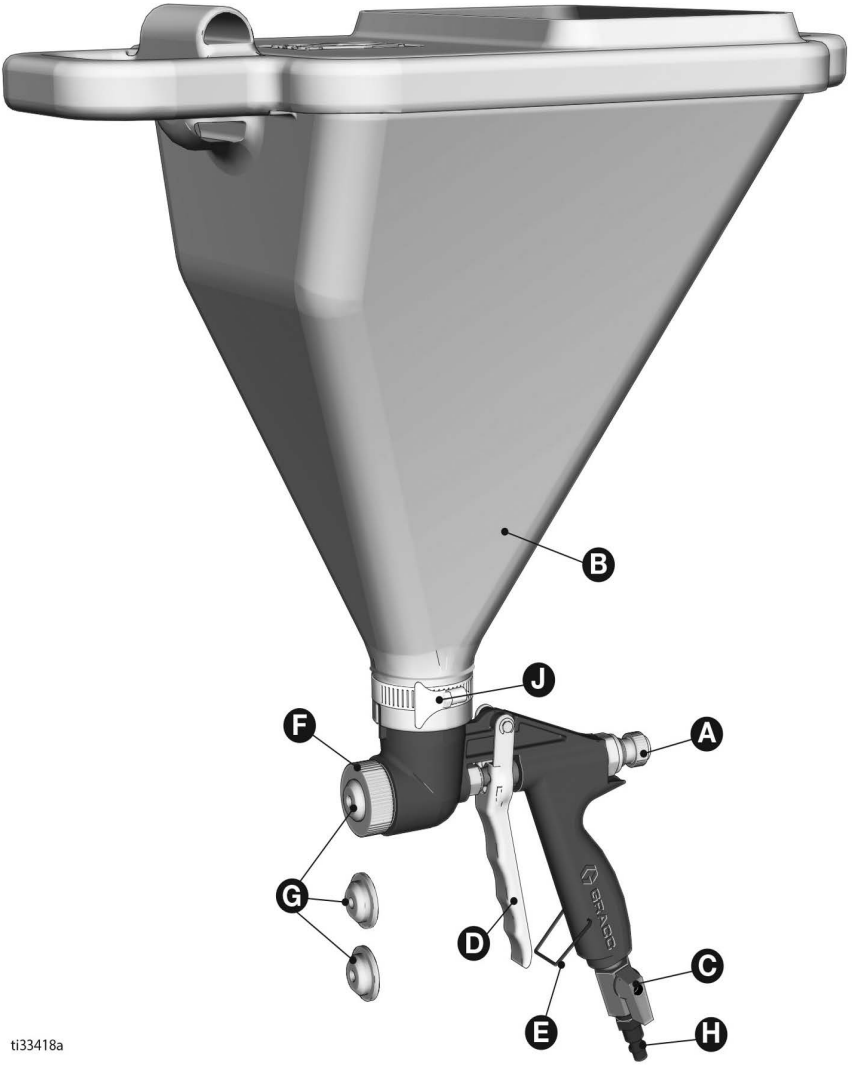


A	Material Flow Regulator (Push down to lock. Pull up to unlock)
B	Needle Travel Adjustment Knob
C	Air Flow Valve
D	Pressure Relief Valve
E	Trigger
F	Nozzle Retainer
G	Material Nozzles (4mm, 6mm & 8mm)
H	Hopper Clamp

J	Hopper
K	Hopper Lid
L	Lid Clamps
M	Hopper Handle
N	Hopper Air Supply Tube
O	Hopper Tube Barbs
P	Air Hose Fitting
Q	WideTex Kit
R	Pressure Relief Plug

Component Identification

25D497 - Gravity-Fed Hopper Gun

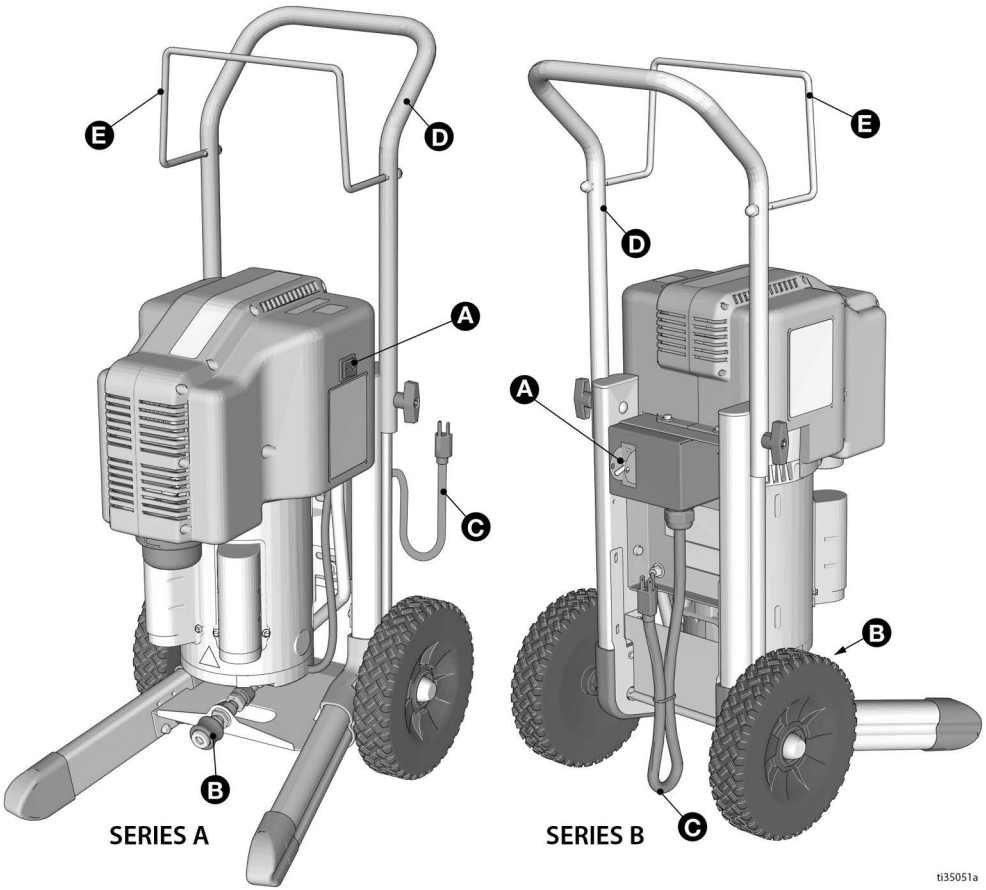


A	Needle Travel Adjustment Knob
B	Hopper
C	Air Valve
D	Trigger
E	Trigger Lock

F	Nozzle Retainer
G	Material Nozzles (4mm, 6mm & 8mm)
H	Air Hose Fitting
J	Hopper Clamp

Component Identification

25D490 - Air Compressor



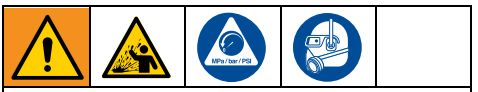
A	Power Switch
B	Air Hose Fitting
C	Power Cord

D	Cart Handle
E	Hose/Power Cord Storage

Preparation

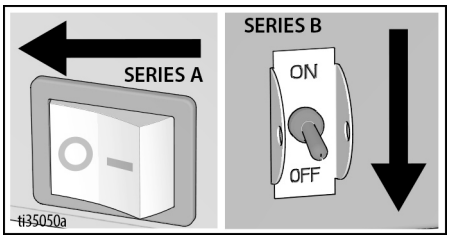
Pressure Relief Procedure

Follow the Pressure Relief Procedure whenever you see this symbol.

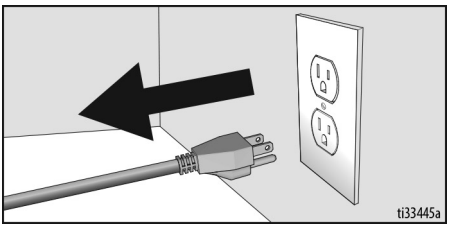


The hopper is pressurized. To reduce the risk of splashing from pressurized fluid, always follow the **Pressure Relief Procedure** before removing the hopper from the gun.

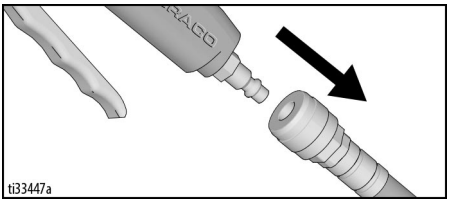
1. Turn air compressor ON/OFF switch to the **OFF** position.



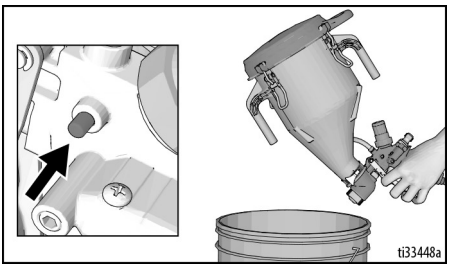
2. Unplug power cord.



3. Disconnect spray gun from air hose.



4. Open pressure relief valve on gun by pressing button (pressurized gun only). Aim gun into waste bucket and trigger the gun until all air and material pressure is relieved.



NOTICE

Do not relieve pressure by lifting the hopper clamps. Lifting the clamps while the hopper is pressurized may damage the hopper and/or hopper lid.

Grounding

The equipment must be grounded to reduce the risk of static sparking and electric shock. An electric or static spark can cause fumes to ignite or explode. An improper ground can cause electric shock. A good ground provides an escape wire for the electric current.

This product is equipped with a cord that has a grounding wire and an appropriate grounding plug. The plug must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Do not modify the plug provided; if it does not fit the outlet, have the proper outlet installed by a qualified electrician.

Power Supply

For best performance and reliable starting, the air compressor must be plugged into a dedicated circuit, as close as possible to the fusebox or circuit breaker. The compressor will use the full capacity of a typical 15 amp household circuit.

If connected to a circuit protected by fuses, use time-delay fuses with this product.

Extension Cords

NOTE: Avoid use of extension cords if possible.

For optimum performance, plug compressor power cord directly into a grounded wall socket. Do not use an extension cord unless absolute necessary. Instead, use a longer air hose to reach the area where the air is needed.

If an extension cord is necessary, use 12 AWG (2.5 mm^2) minimum, 50 feet maximum length.

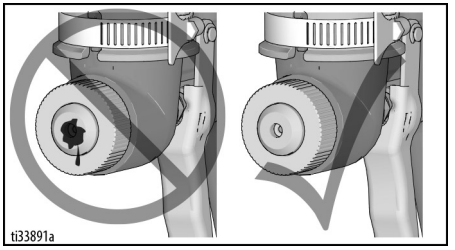
Setup

NOTICE

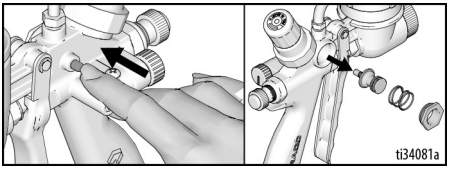
- Do not store spray system under pressure. This may cause damage to the spray system.
- Do not allow material to dry inside hopper, hoses, gun nozzles or spray system. This may cause system to fail.

When unpacking spray system for the first time or after storage, perform setup procedure.

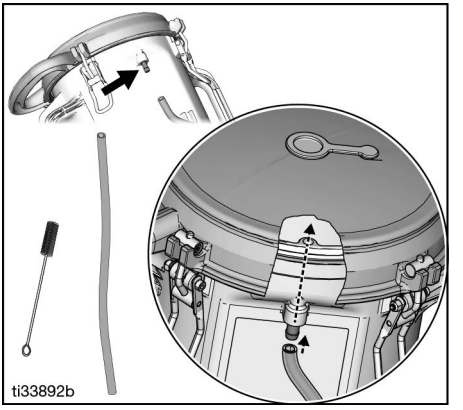
1. Check material nozzle before spraying to ensure there is not an air blockage. Clean before using.



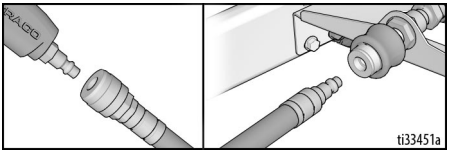
2. Check to make sure air relief valve moves freely when button is pushed. Take apart and clean if necessary. Grease o-rings and reassemble.



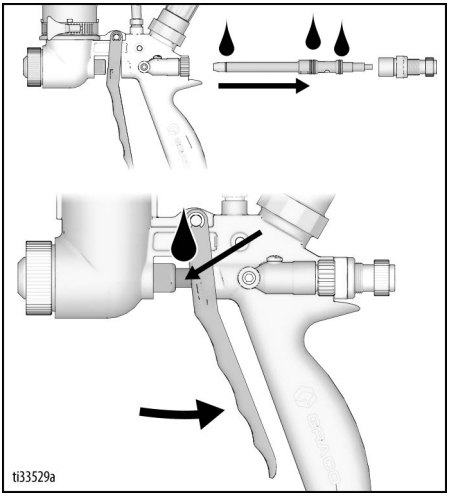
3. Make sure hopper air passageway and air supply tube are free of debris. Clean before using.



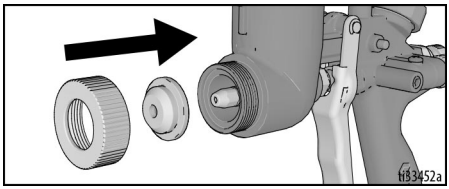
4. Connect one end of air hose to the compressor air outlet fitting and the other end to the gun air inlet fitting.



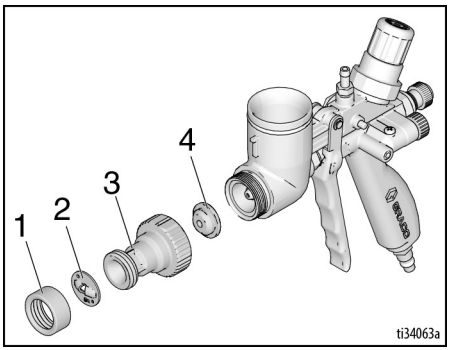
5. Test gun trigger. Lubricate needle seals if necessary.



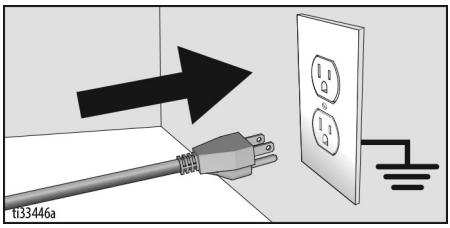
6. Install material nozzle on front of gun and secure using retaining ring. Pulling the trigger when installing nozzle makes assembly easier.



7. If using **WideTex adapter,** install disc (2) on front of adapter (3) with retaining ring (1). Install a standard nozzle (4) on front of gun with the assembly. Pulling trigger when installing nozzle makes assembly easier. If desired finish is not achieved, try a different size standard nozzle. See **Recommended Nozzle & Disc Selection Charts**, page 19.

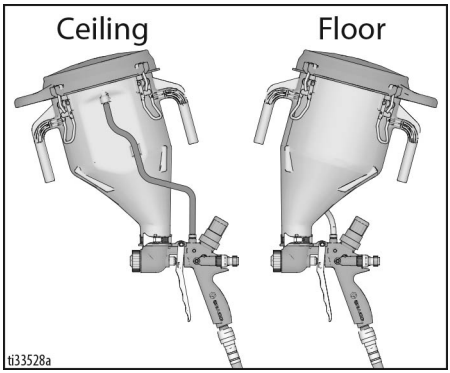


8. Plug power cord into a properly grounded outlet.



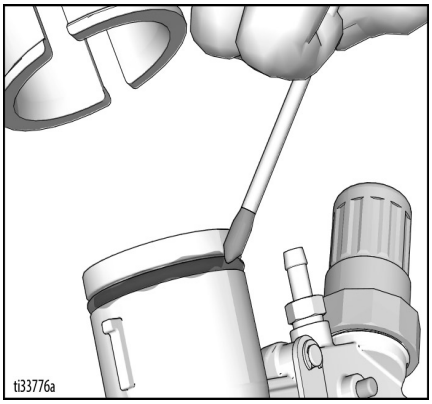
Material Hopper

When spraying ceilings, the hopper should be tilted forward. When spraying floors, the hopper should be tilted backward. Doing so aids in emptying more texture from the hopper.

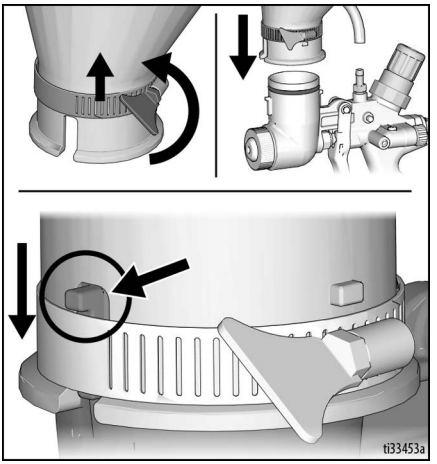


Install Hopper

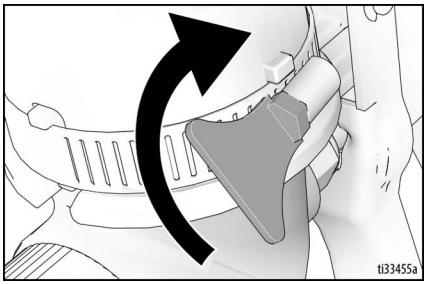
1. Apply grease to o-ring to make hopper easier to attach to the gun.



2. Loosen hopper clamp, slide it over the rib and toward the top of the hopper.
3. Position hopper outlet over the hopper port on the gun and push hopper down as far as it will go, while slightly rotating. Slide down hopper clamp.

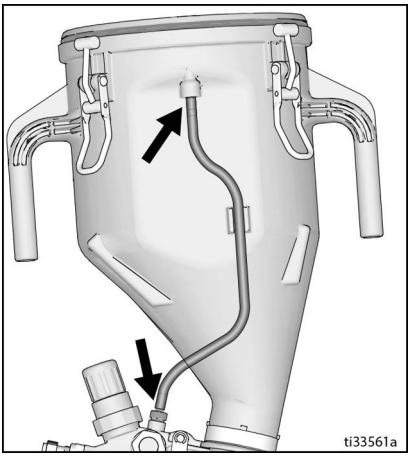


4. Hand tighten the hopper clamp.

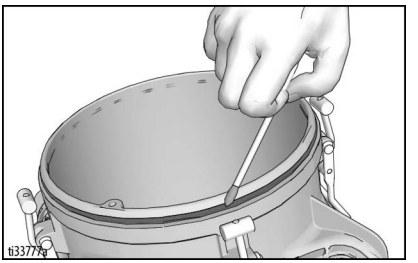


5. **Pressurized hopper gun only:** Attach tube from hopper barb to gun barb. **Do not clamp air supply tube to barbs.** The tube is designed to disconnect if hopper is over-pressurized.

RUPTURE HAZARD
Over-pressurization can result in hopper rupture and injury. To avoid injury, do not exceed maximum hopper pressure rating. Only pressurize hopper by connecting air supply tube to barbs on hopper and gun. Only use genuine Graco air supply tube 17V945 and pressure relief plug 17Y386.



6. Apply grease to hopper o-ring to make hopper lid easier to attached to the hopper.

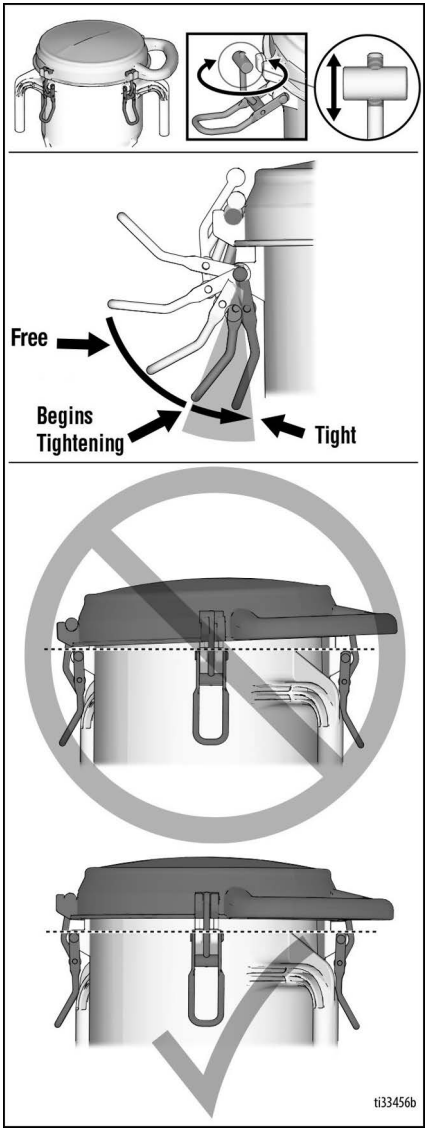


7. **Pressurized hopper gun only:** If lid is too loose and leaks air when pressurized, adjust the four lid clamps to tighten lid.

NOTE: Each clamp should be adjusted equally so the lid sits even on the hopper.

NOTICE

Over-tightening the lid may damage the hopper and/or hopper lid.



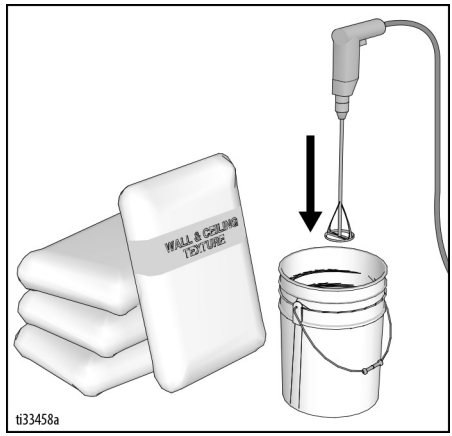
Mixing Material

- Mix the material in a separate container before pouring it into hopper.
- If thicker materials are desired, test material flow in hopper first. Then spray a test pattern.
- For best results, do not use partial bags of material.

1. Mix the material and water in a separate container.

   Dry Mix

   Carefully mix texture material and water according to manufacturer instructions on bag.



   Premix

   Slowly add approximately 2 to 6 quarts (1.9 to 5.7 liters) of water to a 5 gallon (18.9 liter) bucket of premix.

2. Agitate to mix, using a half-inch, variable speed drill with mixing paddle, to a smooth, lump-free consistency.
3. Allow ceiling texture to set for at least 15 minutes. Then remix prior to use.

Operation (Pressurized Hopper Gun)

For the best spraying experience, always follow the Setup and Operation procedures. This ensures that the material and spray system are ready to spray resulting in a successful project.

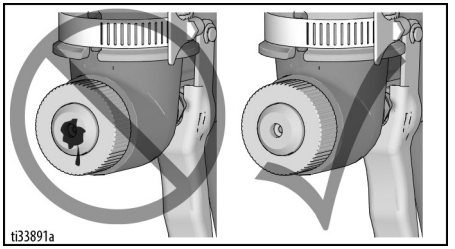
RUPTURE HAZARD
Over-pressurization can result in hopper rupture and injury. The air supply tube and pressure relief plug is designed to disconnect if hopper is over-pressurized.

To avoid over-pressurization:

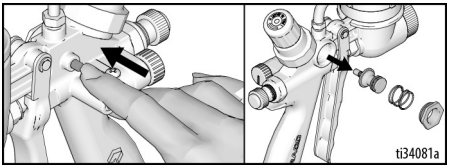
- Inspect and clean gun tip before use.
- Do not clamp air supply tube to barbs.
- Inspect and clean hopper air passageway.
- Make sure air relief valve moves freely when button is pushed.

Texture Spraying

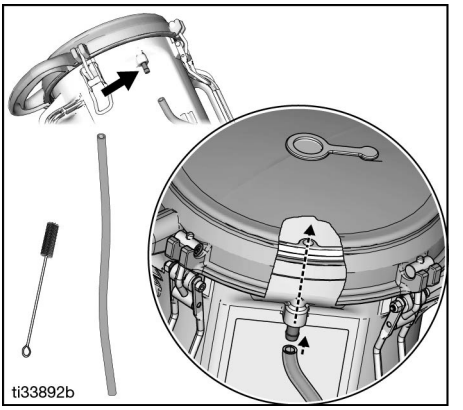
1. Check material nozzle before spraying to ensure there is not an air blockage.



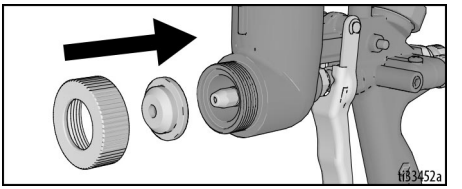
2. Check to make sure air relief valve moves freely when button is pushed. Take apart and clean if necessary. Grease o-rings and reassemble.



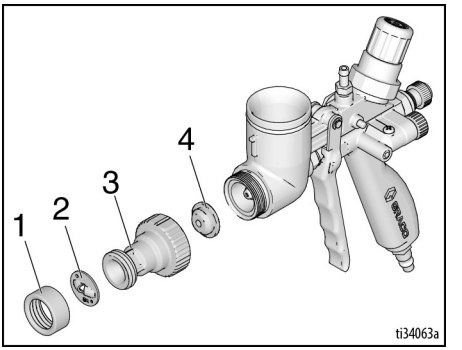
3. Make sure hopper air passageway, pressure relief plug, and air supply tube are free of debris. Only use genuine Graco air supply tube 17V945 and pressure relief plug 17Y386.



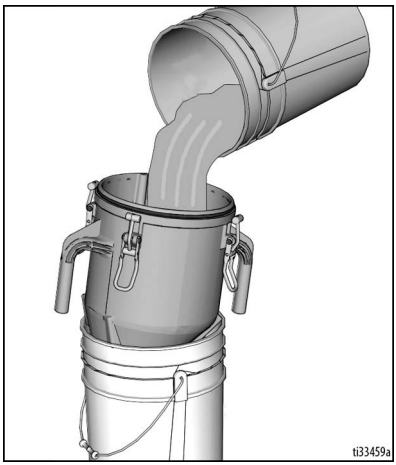
4. Install material nozzle.



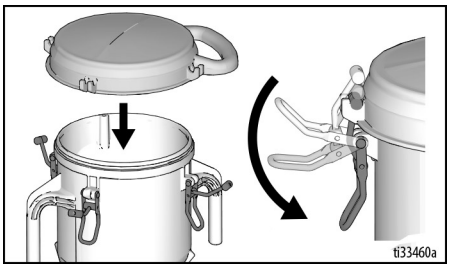
5. If using **WideTex adapter,** install disc (2) on front of adapter (3) with retaining ring (1). Install a standard nozzle (4) on front of gun with the assembly. Pulling trigger when installing nozzle makes assembly easier. If desired finish is not achieved, try a different size standard nozzle. See **Recommended Nozzle & Disc Selection Charts**, page 19.



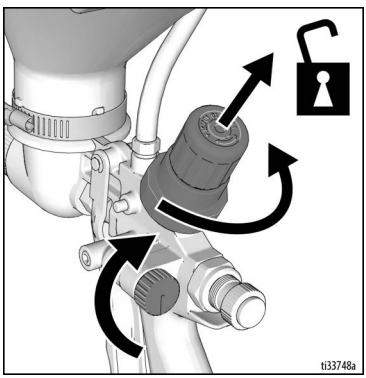
6. Fill hopper with prepared texture material. See **Mixing Material**, page 15.



7. Fasten lid.

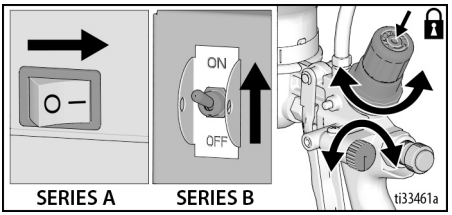


8. Pull up on material flow regulator knob to unlock. Completely close the air flow valve by turning the knob clockwise; turn the material flow regulator to the lowest setting counterclockwise.



9. For proper spray pattern and gun adjustments, see **Adjusting the System (Pressurized Gun Only)**, page 18.

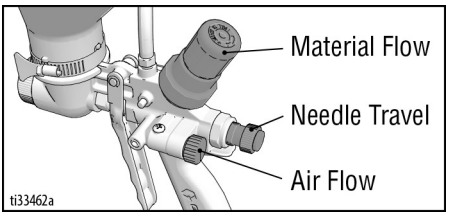
10. Turn air compressor power switch ON. Adjust air flow valve and material flow regulator on hopper gun for desired texture. Push down on the material flow regulator to lock settings.



NOTICE

If material gets in needle or gun air passages, flush with water immediately.

11. To achieve uniform spray pattern, adjust air flow valve, needle travel and material flow regulator. If you do not achieve the desired pattern, change nozzles.



Material Flow Regulator: Pressurizes the material hopper and adjusts material flow. Turn counterclockwise to decrease flow; turn clockwise to increase flow. Push down to lock; pull up to unlock.

Needle Travel Adjustment Knob: Adjusts the positions of the gun needle in relation to the spray tip. Turn clockwise to limit needle travel and reduce material flow; turn counterclockwise to increase needle travel and increase flow.

Air Flow Valve: Adjusts the amount of atomizing air that is sent to the spray tip to control the spray pattern. Turn clockwise to decrease air flow; turn counterclockwise to increase air flow.

Adjusting the System (Pressurized Gun Only)

Sufficient fluid output (volume and pressure) and good atomization is a balance of atomizing air, material thickness/material flow and nozzle selection. Achieving the correct balance for your application requires experimentation to achieve desired results. Keep in mind these important points when adjusting gun:

- To select correct nozzle for your applications, consider size of aggregate in material and coarseness of spray pattern. Remember the larger the material nozzle, the larger the pattern.
- Set material flow by closing air flow valve, and adjusting material flow regulator, while pulling trigger to get the appropriate material flow.
- Start spray system with air flow valve completely open. If needed, slowly close gun air flow valve until you get the desired spray pattern. Use minimum amount of air at spray gun to achieve proper spray pattern and to minimize bounce back.

  + Test spray pattern on cardboard. Hold gun 18 to 48 in. (45.7 to 122 cm) from surface. Use this spraying distance for most applications.

  + When spraying with a material nozzle only, overlap each stroke 50% in a circular motion.

  + When spraying with a material nozzle and disc, overlap each stroke 50% in a linear motion.
- Gun air flow is regulated using air flow valve located on the left side of the gun.

  + Opening air flow valve (counterclockwise) increases air flow through gun.

  + Closing air flow valve (clockwise) decreases air flow through gun.

For Less Material Flow

Try one or a combination of these methods:

- Turn material flow regulator knob counter- clockwise on gun to decrease material flow.
- Use thicker material mixture.
- Use smaller material nozzle.
- Decrease needle travel.

For More Material Flow

Try any one or a combination of these methods:

- Turn material flow regulator knob clockwise on gun to increase material flow.
- Use thinner material mixture.
- Use a larger material nozzle.
- Increase needle travel.

For Continuous Spraying

Use trigger lock to hold trigger open and reduce fatigue (only on gravity-fed gun)

Check Material Consistency Periodically

Check and thin material as needed to maintain proper consistency. The material may thicken as it sits and slow down production. Agitate periodically.

Recommended Nozzle & Disc Selection Charts

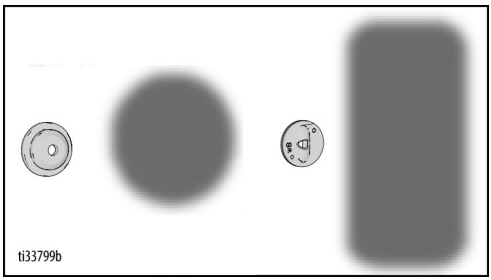
Nozzle

Application	Nozzle Size[1]	Air Volume[2]
Simulated Acoustic	6 mm *(fine to medium)* 8 mm *(coarse)*	Medium to High
Orange Peel	4 mm 6 mm	Medium to High
Splatter Coat	6 mm 8 mm	Low to Medium
Knock down	8 mm	Low
[1] For more material volume, try a larger nozzle.		
[2] Adjust air volume with gun air flow valve.		

WideTex™ Disc

Application	WideTex Disc (Standard)	Nozzle (mm)	Air Volume
Simulated Acoustic			
Fine	W6	4	High
Medium	W6	6	High
Coarse	W8	8	High
Fog	W4	4	High
Orange Peel	W4 or W6	4-8	Medium to High
Splatter Coat	W6 or W8	6-8	Low to Medium
Knockdown	W6 or W8	6-8	Low

Nozzle Pattern **WideTex Pattern**

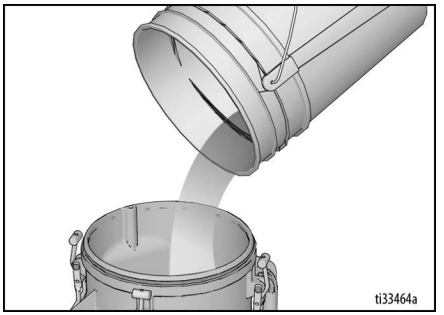


Cleanup

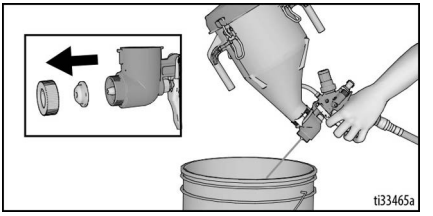
Once you finish spraying, follow these steps to clean your gun and hopper.

1. Perform **Pressure Relief Procedure**, page 10.
2. Drain remaining material into a bucket until most of the texture material is out of hopper.

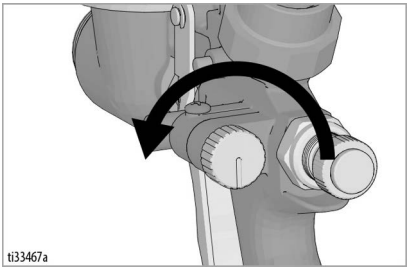
3. Fill hopper with clean water.



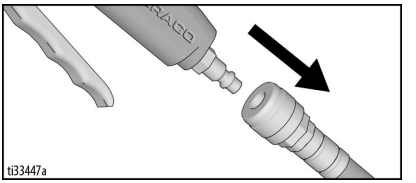
4. Remove nozzle from gun. Trigger gun into bucket until most of texture mix is out of the hopper. Allow water to flow through gun until gun is clean.



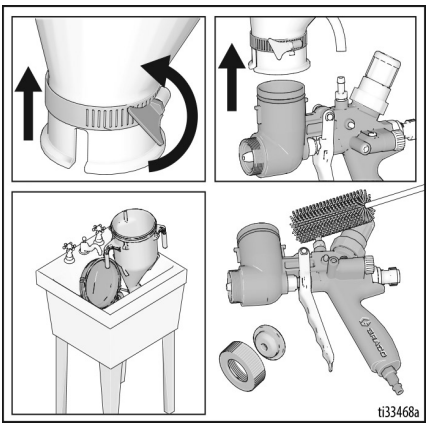
5. Open gun air flow valve, allowing air through nozzle to clear out any remaining material.



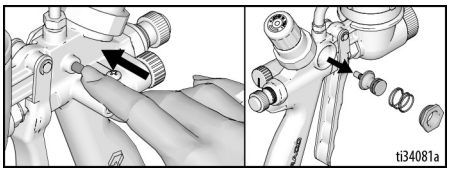
6. Disconnect spray gun from air hose.



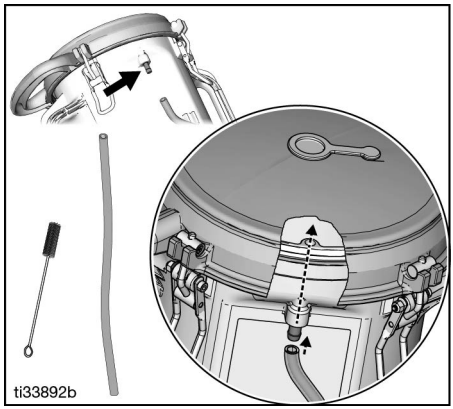
7. Remove hopper from gun and finish cleaning all components. A soft brush may be used to help loosen any dried material from the surface.



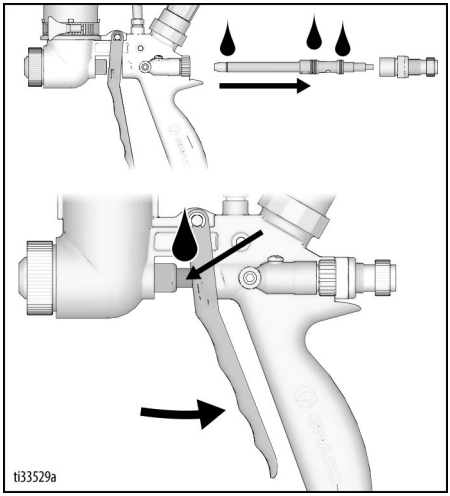
8. Check air relief valve. If sticky or contaminated with material, disassemble and clean. Grease o-rings and reassemble.



9. Clean hopper air passageway, pressure relief plug. and air supply tube.



10. Connect air hose to gun.
11. Turn air compressor ON.
12. Open gun air flow valve to allow air flow through the needle to clear out remaining material. Perform **Pressure Relief Procedure**, page 10.
13. If trigger feels sticky, lubricate needle seals.



Troubleshooting

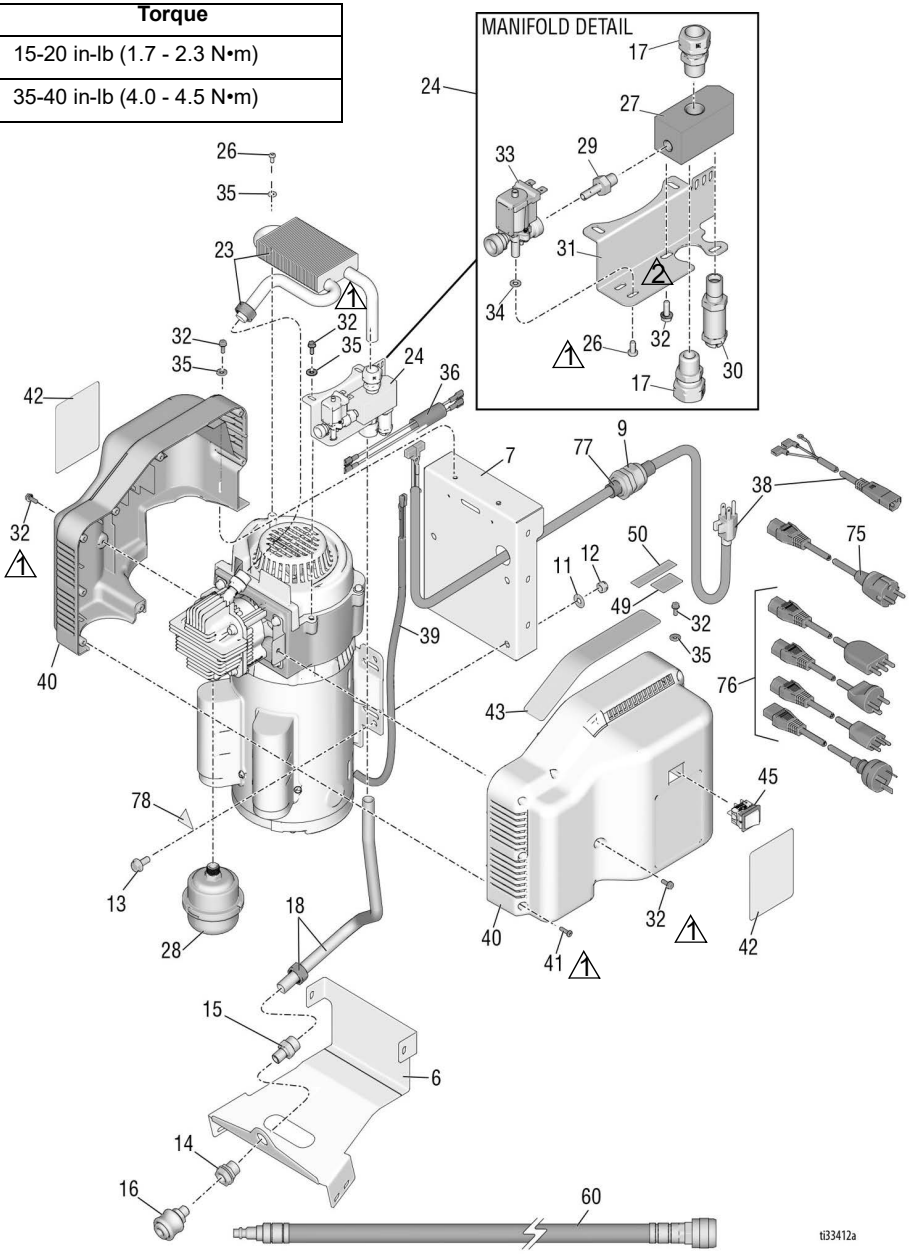
Problem	Cause	Solution
Motor stops	Motor overheated	Wait 30 minutes and restart compressor.
	Tripped circuit breaker	Check extension cord length, see **Extension Cords**, page 11.
		Make sure vents are not restricted on motor cover.
No (or too little) air flow	Solenoid air relief	Replace solenoid.
No (or too little) material flow	No pressure in hopper	Make sure hopper tube is attached.
	Material flow regulator knob adjusted too low	Turn material flow regulator knob clockwise to increase flow, see **For More Material Flow**, page 18.
	Air compressor is turned OFF	Turn air compressor ON, see **Operation (Pressurized Hopper Gun)**, page 16.
	Hopper lid too loose (leaks air)	Tighten hopper lid. See step 7, page 14.
	Hopper air passageway and/or hopper tube is plugged	Clear air passageway and/or hopper tube of debris.
	Material nozzle is clogged	Clear nozzle of debris.
	Hopper is empty	Fill hopper with prepared texture material. See **Mixing Material**, page 15.
Too much material flow	Material texture too thin	Mix texture with less water.
	Material nozzle too big	Switch to smaller material nozzle size.
	Material flow regulator knob adjusted too high	Turn material flow regulator knob counterclockwise to decrease flow, see **For Less Material Flow**, page 18.
Texture sprayed is too fine	Too much air flow	Turn air flow valve clockwise to decrease air flow.
	Material nozzle too small	Switch to bigger material nozzle size.
	Material flow regulator knob adjusted too low	Turn material flow regulator knob clockwise to increase flow, see **For More Material Flow**, page 18.

Problem	Cause	Solution
Texture sprayed is too coarse	Too little air flow	Turn air flow valve counterclockwise to increase air flow.
	Material nozzle too big	Switch to smaller nozzle size.
	Material flow regulator knob adjusted too high	Turn material flow regulator knob counterclockwise to decrease flow, see **For Less Material Flow**, page 18.
Texture leaking between hopper and gun	Hopper not fully secure to the gun	Push hopper down as far as it will go. See step 3, page 14.
	Hopper clamp loose	Tighten hopper clamp. See step 4, page 14.
	O-ring damaged	Replace o-ring.
	Hopper damaged	Replace hopper.
Gun trigger is sticky		Lubricate trigger.
Air supply tube on hopper pops off	Hopper pressure is above maximum operating pressure	Make sure front tip is clear.
		Replace material flow regulator knob. P/N 17V953, see pages 34-35.
Pressure relief continues to open	Hopper pressure is above maximum operating pressure	Make sure front tip is clear.
		Replace material flow regulator knob. P/N 17V953, see pages 34-35.
Pressure relief valve is sticky	Material contamination in valve	Disassemble valve. Clean parts and gun. Grease o-rings and reassemble.
Pressure relief plug detached	Hopper pressure is above the maximum operating pressure	Make sure front tip is clear. Attach or replace relief plug. Replace material flow regulator knob (P/N 17V953), see pages 34-35.

Parts - Air Compressor (Series A)

25D490 (120V) & 25D491 (230V)

Ref.	Torque
1	15-20 in-lb (1.7 - 2.3 N•m)
2	35-40 in-lb (4.0 - 4.5 N•m)



Parts List - Air Compressor (Series A)

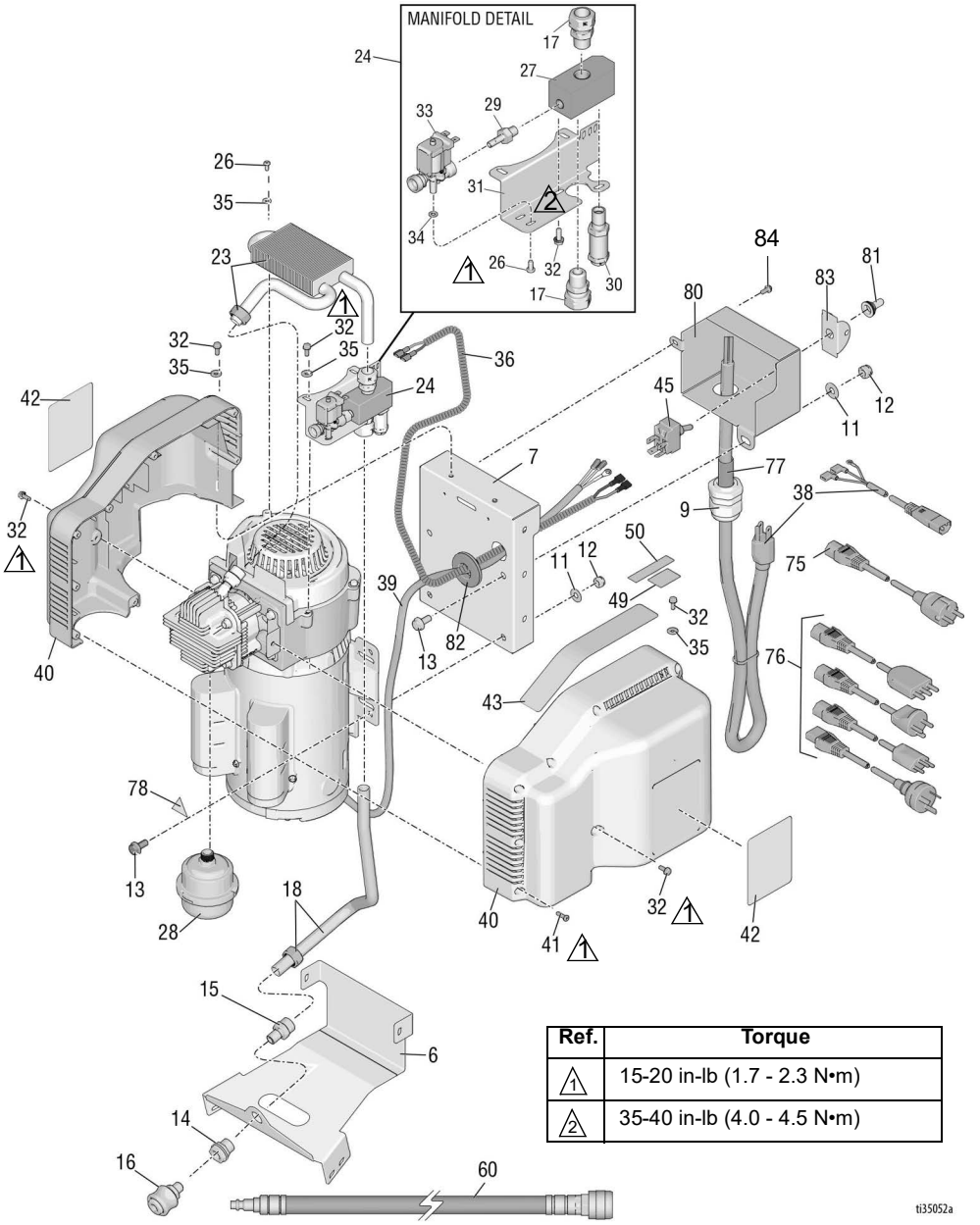
25D490 (120V) & 25D491 (230V)

Ref.	Part	Description	Qty
6	17V066	BRACKET, cart, air compressor	1
7	17V065	PLATE, mounting, motor	1
9	116171	BUSHING, strain relief	1
11	196001	WASHER	4
12	111040	NUT, lock, insert, nylock, 5/16	4
13	110963	SCREW, cap, flange head	4
14	104641	FITTING, bulkhead	1
15	17V716	FITTING, adapter	1
16	17W199	COUPLER, w/ grip	1
17	130466	FITTING, connector, 5/8 tube	2
18	26A566	TUBE, outlet, manifold	1
23	26A565	KIT, repair, cooler	1
24	25N024	KIT, manifold, 120V	1
	25N025	KIT, manifold, 230V	1
26	15T790	FASTENER, 8-16 plastite .375 lg.	3
27	17U999	MANIFOLD, pneumatic	1
28	130644	MUFFLER, intake, compressor	1
29	130496	FITTING, adapter	1
30	120617	VALVE, pressure relief	1
31	17V027	BRACKET, mounting, manifold	1
32	16M007	SCREW, mach, serrated hex hd	8
33	130484	SOLENOID, 120V	1
	130485	SOLENOID, 230V	1
34	107584	WASHER, plain	2
35	112776	WASHER, plain	5
36	17V678	WIRE, harness, solenoid	1
38	17V687	CORD, power, 120V	1
	17U845	CORD, power, 230V	1
39	17V725	HARNESS, wire, motor	1
40	26A562	KIT, clamshell, assy.	1
41	115477	SCREW, mach, torx pan hd	8
42	17V262	LABEL, brand, FastFinish, side	2
43	17V263	LABEL, brand, FastFinish, top	1
45	17V589	SWITCH, power	1
49	16D576	LABEL, made in USA	1
50	17P924	LABEL, A+ Service, 120V	1
	17P925	LABEL, A+ Service, 230V	1
60	26A563	KIT, repair, air hose	1
75	242001	CORD SET, adapter, 230V	1
76	243280	CORD SET, adapter, 230V	1
77	15F480	SLEEVE, cord, 230V	1
78▲	15K616	LABEL, caution, hot surface	1

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

Parts - Air Compressor (Series B)

25D490 (120V) & 25D491 (230V)



Ref.	Torque
1	15-20 in-lb (1.7 - 2.3 N•m)
2	35-40 in-lb (4.0 - 4.5 N•m)

Parts List - Air Compressor (Series B)

25D490 (120V) & 25D491 (230V)

Ref.	Part	Description	Qty
6	17V066	BRACKET, cart, air compressor	1
7	17V065	PLATE, mounting, motor	1
9	116171	BUSHING, strain relief	1
11	196001	WASHER	4
12	111040	NUT, lock, insert, nylock, 5/16	4
13	110963	SCREW, cap, flange head	4
14	104641	FITTING, bulkhead	1
15	17V716	FITTING, adapter	1
16	17W199	COUPLER, w/ grip	1
17	130466	FITTING, connector, 5/8 tube	2
18	26A566	TUBE, outlet, manifold	1
23	26A565	KIT, repair, cooler	1
24	25N024	KIT, manifold, 120V	1
	25N025	KIT, manifold, 230V	1
26	15T790	FASTENER, 8-16 plastite .375 lg.	3
27	17U999	MANIFOLD, pneumatic	1
28	130644	MUFFLER, intake, compressor	1
29	130496	FITTING, adapter	1
30	120617	VALVE, pressure relief	1
31	17V027	BRACKET, mounting, manifold	1
32	16M007	SCREW, mach, serrated hex hd	8
33	130484	SOLENOID, 120V	1
	130485	SOLENOID, 230V	1
34	107584	WASHER, plain	2
35	112776	WASHER, plain	5
36*+	17Z058	WIRE, harness, solenoid	1
38*	17Z059	CORD, power, 120V	1
+	17Z060	CORD, power, 230V	1
39*+	17Z057	HARNESS, wire, motor	1
40*+	26A562	KIT, clamshell, assy.	1
41	115477	SCREW, mach, torx pan hd	8
42	17V262	LABEL, brand, FastFinish, side	2
43	17V263	LABEL, brand, FastFinish, top	1
49	16D576	LABEL, made in USA	1
50	17P924	LABEL, A+ Service, 120V	1
45*+	17Y947	TOGGLE, switch	1
60	26A563	KIT, repair, air hose	1
75	242001	CORD SET, adapter, 230V	1
76	243280	CORD SET, adapter, 230V	1
77	15F480	SLEEVE, cord, 230V	1
78▲	15K616	LABEL, caution, hot surface	1
80*+	17Y951	BOX, switch (17Y894 switch box rental)	1
81*+	131717	BOOT, toggle	1
82*+	17Y949	GROMMET	1
83*+	107255	GUARD, switch	1
84*+	128978	SCREW, #8-32	1

** Included in 120V Conversion Kit 17Y950 (Series A to Series B)*

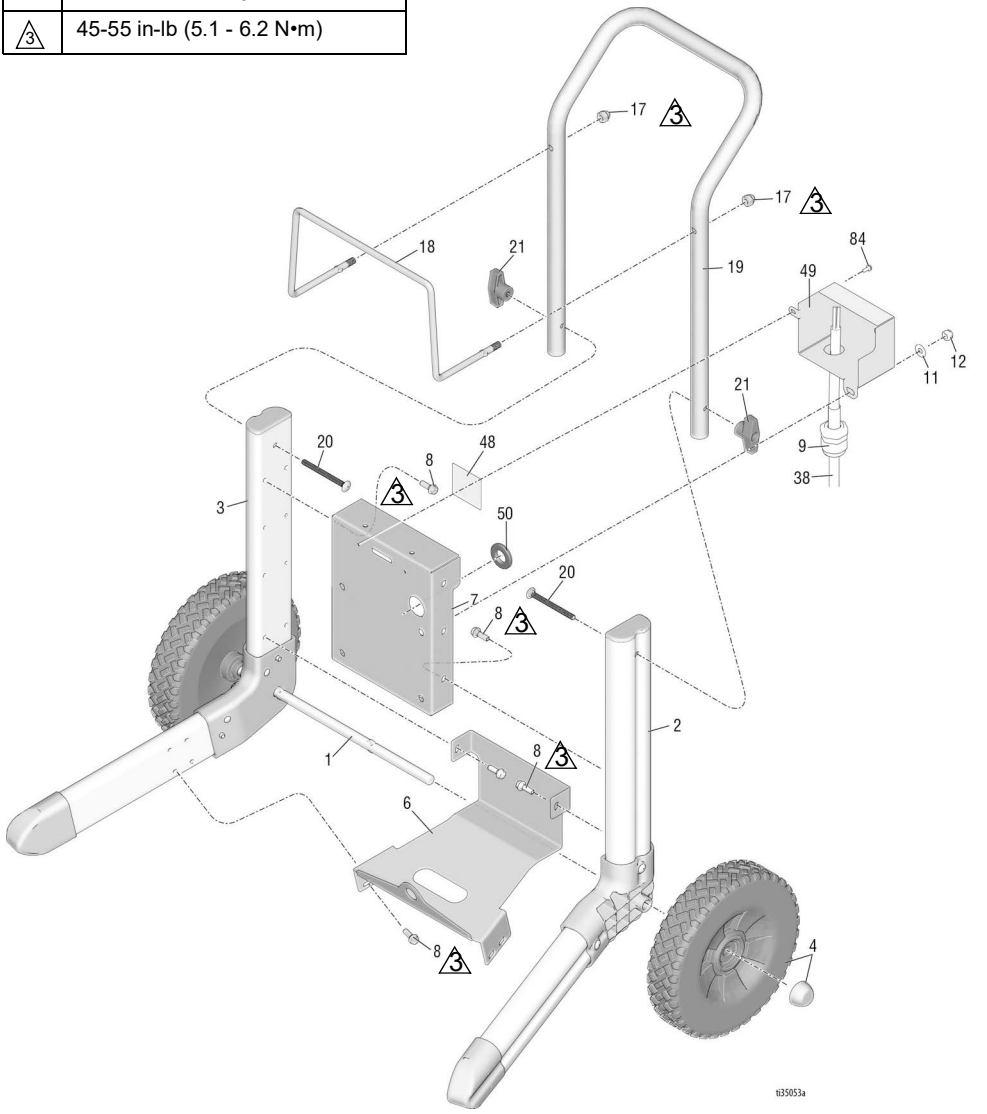
+ Included in 230V Converstion Kit 17Z069 (Series A to Series B)

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

Parts - Air Compressor (cont.)

25D490 (120V) & 25D491 (230V)

Ref.	Torque
3	45-55 in-lb (5.1 - 6.2 N•m)



Parts List - Air Compressor (cont.)

25D490 (120V) & 25D491 (230V)

Ref.	Part	Description	Qty
1	15R602	AXLE, cart	1
2	25D526	LEG, cart, left	1
3	25D527	LEG, cart, right	1
4	24Y324	KIT, repair, wheel & hub cap	2
6	17V066	BRACKET, cart, air compressor	1
7	17V065	PLATE, mounting, motor	1
8	260212	SCREW, hex washer hd, thd form	12
9	116171	BUSHING, strain relief	1
17	120689	NUT, hex	2
18	16H350	RACK, hose	1
19	16H353	HANDLE, cart	1
20	120788	SCREW, carriage	2
21	115480	KNOB, t-handle	2

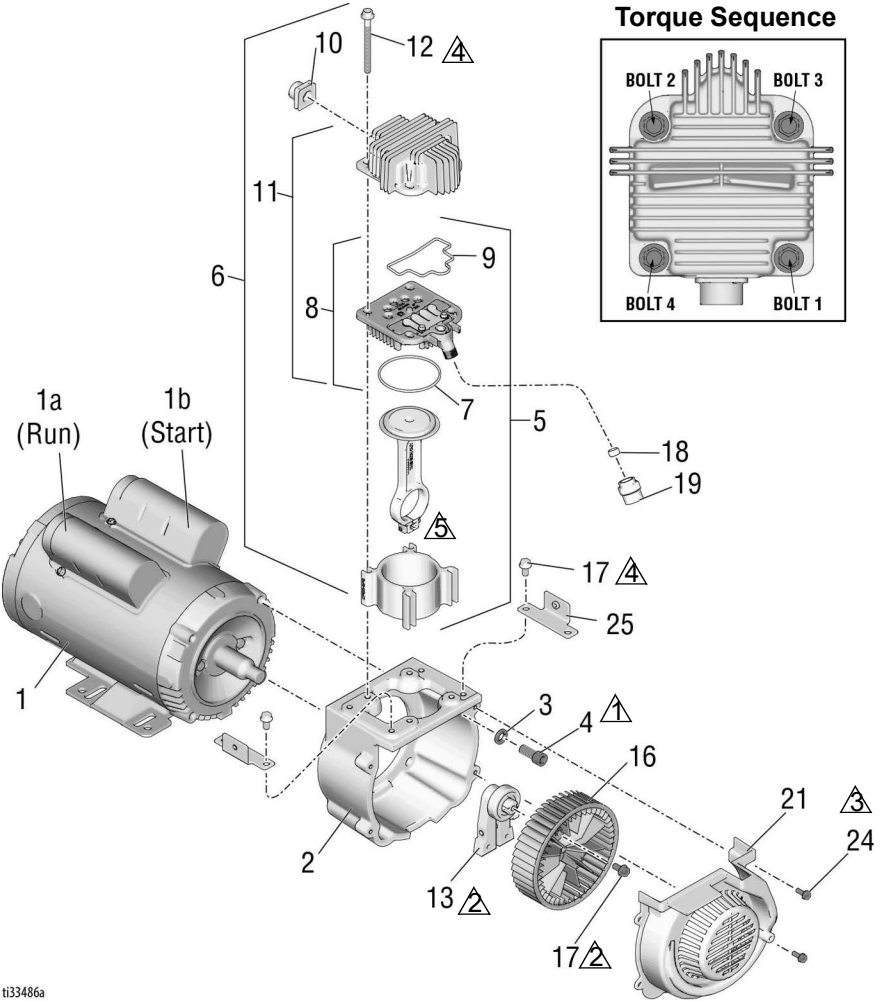
Ref.	Part	Description	Qty
38	17V687	CORD, power, 120V (Series A)	1
	17U845	CORD, power, 230V (Series A)	1
	17Z059	CORD, power, 120V (Series B)	1
	17Z060	CORD, power, 240V (Series B)	1
48▲	17V950	LABEL, warning, electric shock, 120V	1
▲	17W875	LABEL, warning, electric shock, 230V	1
49	17Y951	BOX, switch (Series B)	1
50	17Y949	GROMMET (Series B)	1
84	128978	SCREW, #8-32	1

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

Parts - Air Compressor

25D490 (120V) & 25D491 (230V)

Ref.	Torque
1	215-225 in-lb (24.3 - 25.4 N•m)
2	115-125 in-lb (13.0 - 13.1 N•m)
3	15-20 in-lb (1.7 - 2.3 N•m)
4	120-140 in-lb (13.6 - 15.9 N•m)
5	50-65 in-lb (5.6 - 7.3 N•m)

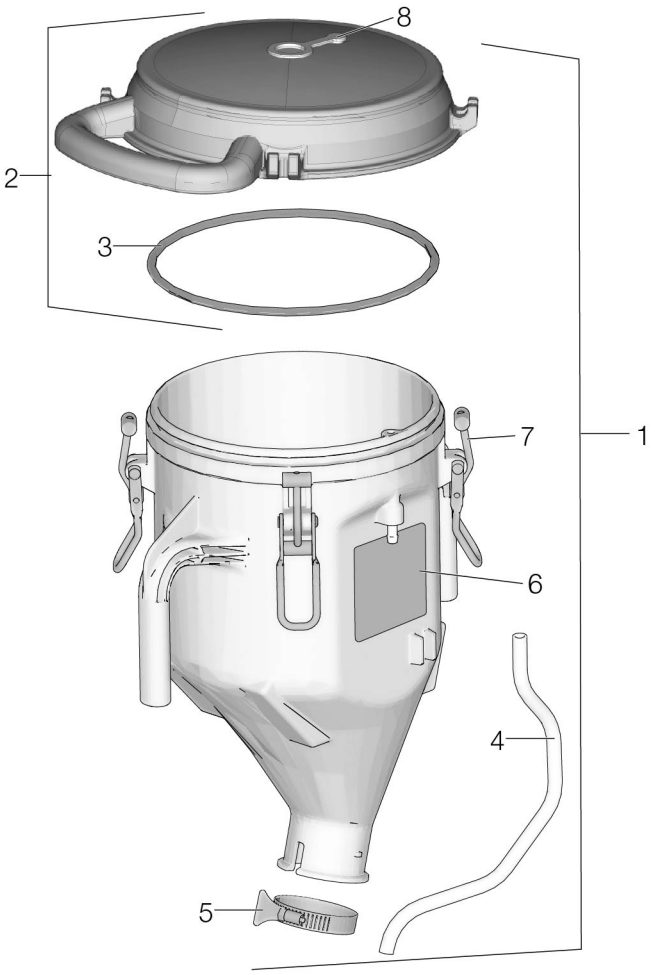


Parts List - Air Compressor

25D490 (120V) & 25D491 (230V)

Ref.	Part	Description	Qty
1		MOTOR, AC, 120V	1
		MOTOR, AC, 230V	1
1a	130687	CAPACITOR, run, 120V	1
	130689	CAPACITOR, run, 230V	1
1b	130688	CAPACITOR, start, 120V	1
	130690	CAPACITOR, start, 230V	1
2	17H800	HOUSING, air compressor	1
3	100133	WASHER, lock, 3/8	4
4	556517	SCREW, 3/8-16 x .875	4
5	24S150	CYCLINDER, compressor	1
6	26A560	KIT, repair, compressor	1
7	17Y553	O-RING, square	1
8	24S131	PLATE, valve assembly	1
9	17Y549	O-RING, head	1
10	17V541	ADAPTER, inlet, air compressor	1
11	24S130	HEAD, compressor	1
12	17H560	SCREW, cap, serrated flange hd	4
13	26A561	SHAFT, crank, air	1
16	130451	FAN, blower wheel, air cooler	1
17	113161	SCREW, flange, hex hd	5
18	130437	SLEEVE, compression nut, 3/8 tube	1
19	17U844	FITTING, cylinder head	1
21	17V045	COVER, blower fan, compressor	1
24	16M007	SCREW, mach, serrated hex hd	2
25	17U929	BRACKET, shroud support	2

Parts - Pressurized Hopper 25D496

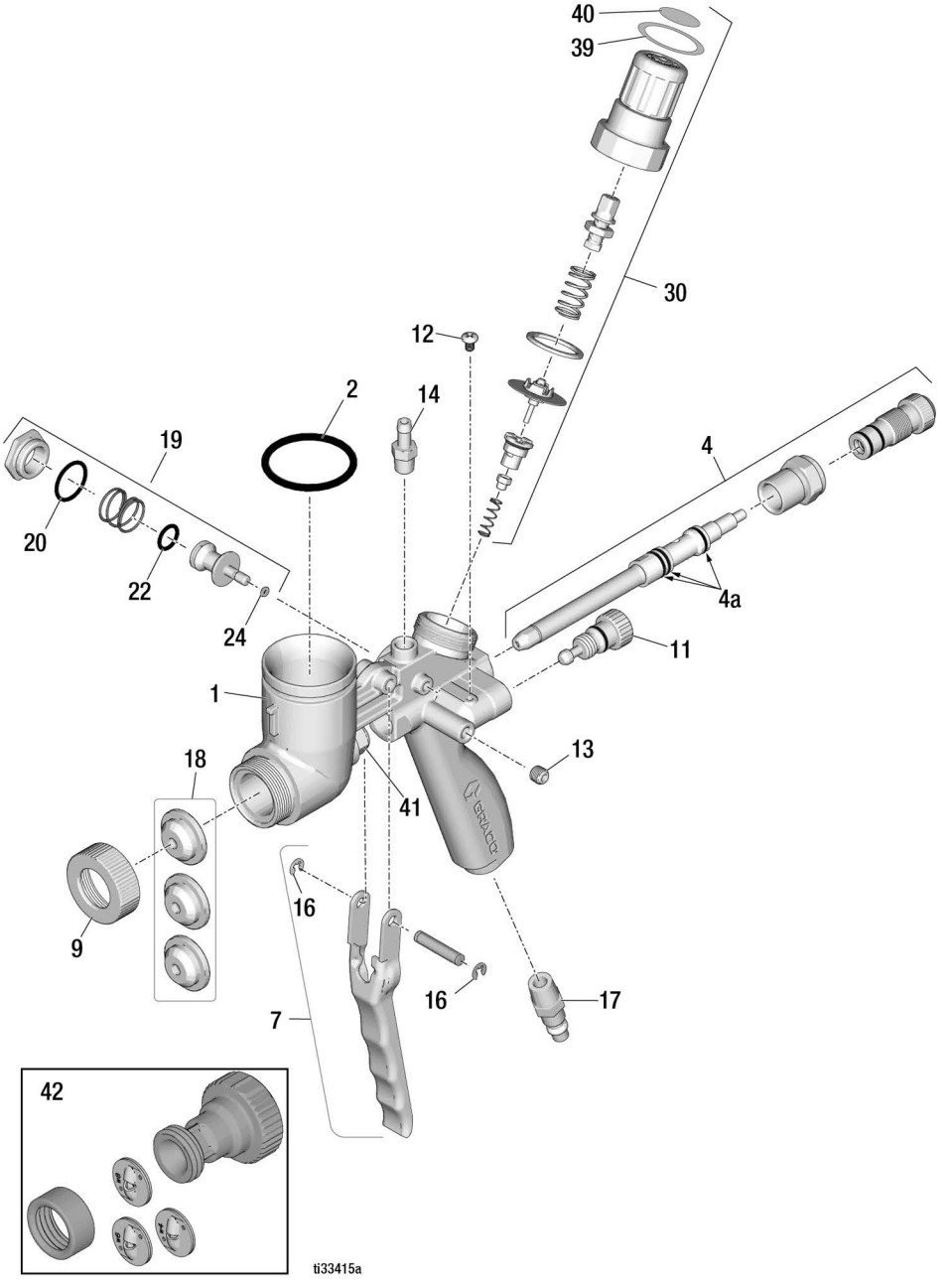


Parts List- Pressurized Hopper 25D496

Ref.	Part	Description	Qty
1	17V946	HOPPER, assembly	1
2	17V947	LID, hopper, pressurized	1
3	17V246	O-RING	1
4	17V945	TUBE	1
5	17V223	CLAMP, hopper	1
6▲	17W855	LABEL, safety, warning, rupture	1
7	17V709	PIN	4
8	17Y386	PLUG, rubber, presssure lid	1

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

Parts - Pressurized Gun 25D496

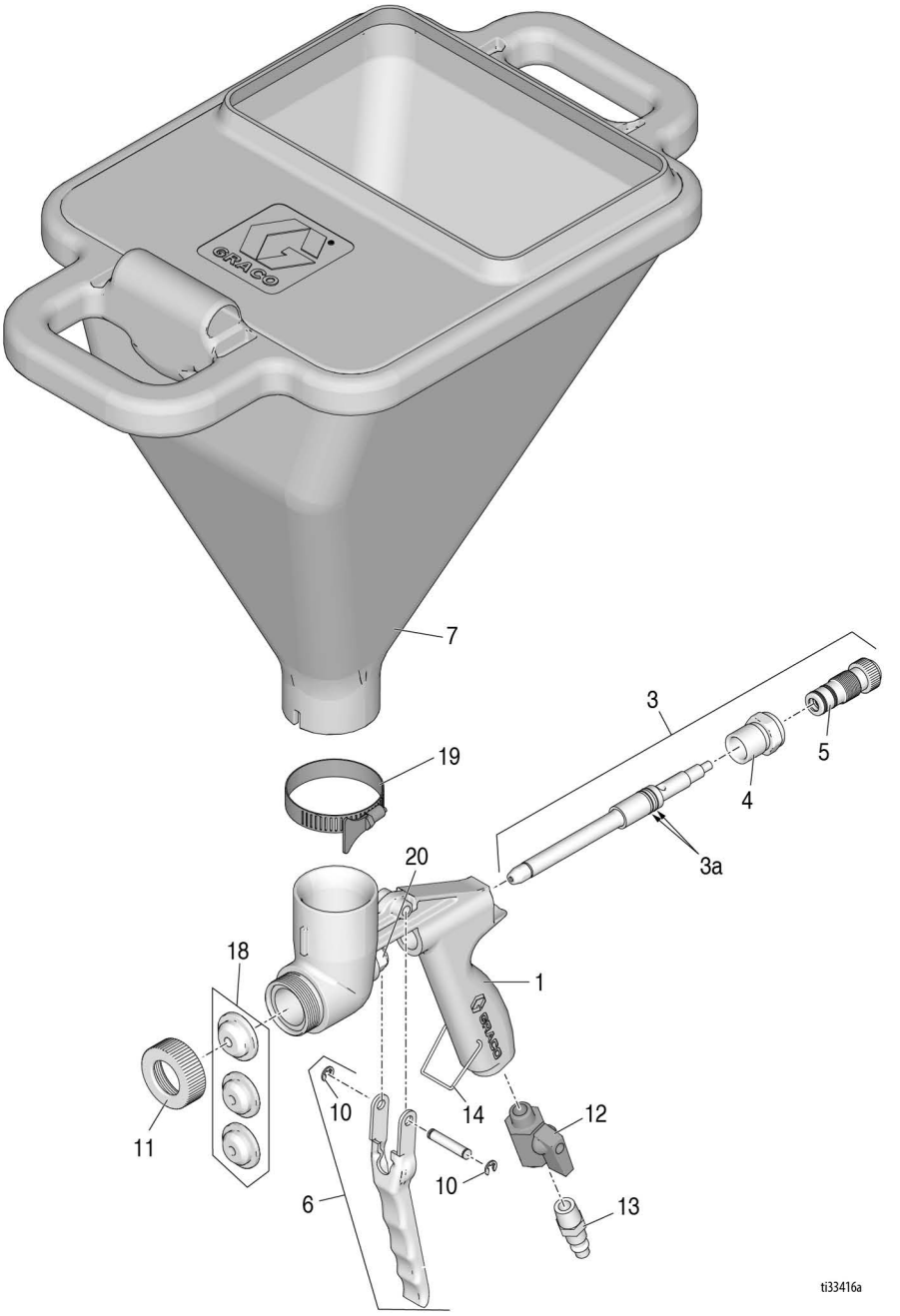


Parts List - Pressurized Gun 25D496

Ref.	Part	Description	Qty
1		GUN, body, pressurized	1
2†	17V705	O-RING	1
4	17V948	NEEDLE, assembly *includes 5, 6, 41*	1
4a	197650	O-RING	3
5		BUSHING	1
6		KNOB, adjusting, assy	1
7	17V944	KIT, repair, trigger	1
9	17U921	CAP, retaining	1
11	17V980	KIT, repair, valve	1
12	17V711	SCREW, 8-32 UNC	1
13	17V710	PLUG, 1/16-27 NPT	1
14	17V192	FITTING, 1/8-27 NPT	1
16	131180	RETAINING, ring, 4mm	1
17	119394	FITTING, line, air	1
18	17V694	KIT, nozzles (4mm, 6mm, 8mm)	1
19	17V952	KIT, repair, air relief valve *includes 20-24*	1
20†		O-RING	1
21		SPRING, valve, relief	1
22†		O-RING	1
23		PISTON, valve, relief	1
24†		O-RING	1
30	17V953	HOUSING, regulator *includes 31-40*	1
31		ADJUSTER, regulator	1
32		SPRING, adjusting, regulator	1
33		RING, retainer, regulator	1
34		SPRING, seat, regulator	1
35		SEAT, thread, regulator	1
36		HOLDER, diaphragm, assy.	1
37†		PACKING, o-ring	1
38		PLUG, sealing, regulator	1
39	17V664	LABEL, bonnet, regulator	1
40	17V665	LABEL, knob, regulator	1
41	17V948	BOLT, needle, assy	1
42	17V692	KIT, widetex	1
	17V691	ADAPTER, housing	1
	17H637	NUT, retaining	1
	24S099	TIP, disk, spray, W4	1
	24S100	TIP, disk, spray, W6	1
	24S101	TIP, disk, spray, W8	1

† Included in Repair Kit 17V951

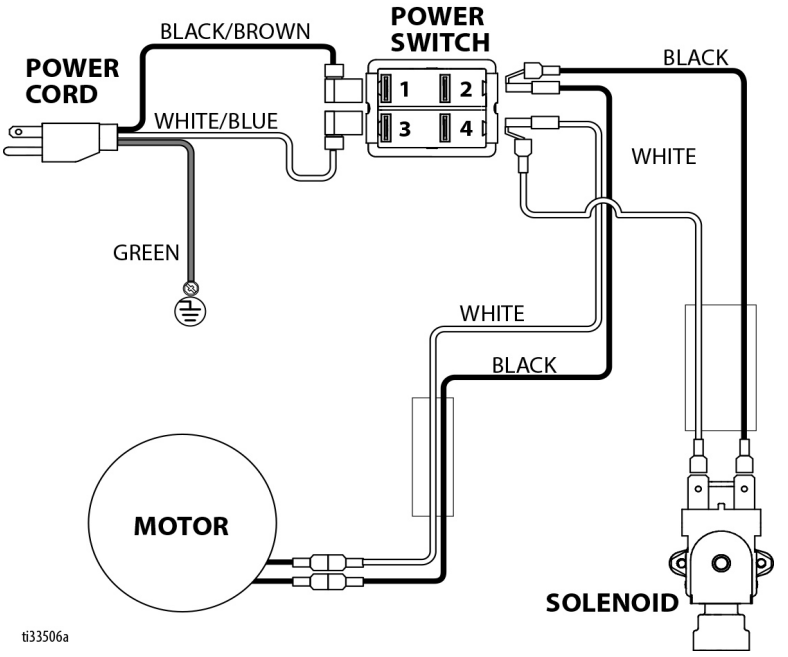
Parts - Gravity-Fed Hopper Gun 25D497



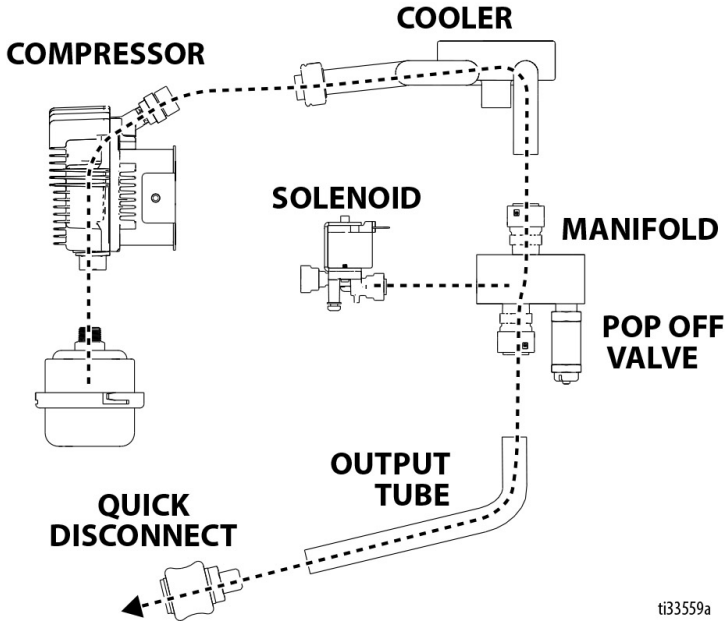
Parts List - Gravity-Fed Hopper Gun 25D497

Ref.	Part	Description	Qty
1		GUN, body, gravity-fed	1
3	17V949	KIT, repair, needle *includes 4, 5, 20*	1
3a	197650	O-RING	2
4		BUSHING	1
5		KNOB, adjusting, assy	1
6	17V944	KIT, trigger, gun	1
7	276873	HOPPER, 1.5 gallon	1
9		PIN, dowel, trigger	2
10	131180	RING, retainer	1
11	17U921	CAP, retaining	1
12	15B565	VALVE, ball	1
13	119394	FITTING, line, air	1
14	17V042	LOCK, trigger	1
18	17V694	KIT, nozzles (4mm, 6mm, 8mm)	1
19	17V223	CLAMP, hopper	1
	17V954	KIT, o-ring	1
20	17V949	KIT, repair, needle	1

Wiring Diagram



Air Diagram


COOLER
COMPRESSOR
SOLENOID
MANIFOLD
POP OFF
VALVE
OUTPUT
TUBE
QUICK
DISCONNECT
ti33559a

Technical Specifications

Air Compressor & Hopper Guns (Gravity-Fed & Pressurized)		
	US	Metric
Maximum working air pressure		
Pressurized Hopper	5 psi	0.03 MPa, 0.3 bar
Compressor	60 psi	0.41 MPa, 4.1 bar
Pressurized Gun	150 psi	1.03 MPa, 10.3 bar
Air Hose	150 psi	1.03 MPa, 10.3 bar
Maximum air flow		
	9 cfm @ 40 psi	15.3 m^3/h
Noise (dBa)		
Sound Power		
120V	107.1 dBa	
230V	105.7 dBa	
Sound Pressure		
120V	90.2 dBa	
230V	88.8 dBa	
Weight		
Compressor & Hose	73.9 lb.	33.5 kg
Gravity Gun & Hopper	4.3 lb.	2.0 kg
Pressurized Gun &Hopper	5.0 lb.	2.3 kg
Materials of Construction		
Wetted materials on all models	brass, stainless steel, HDPE, aluminum, nitrile, PTFE	
Notes		
**Sound pressure measured 3 feet (1 meter) from equipment. Sound power measured per ISO-3744.*		

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

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