

Repair



Interior Texture Sprayers TX 90 & TX 125

311770N
EN

For Water-Based Materials Only

Models: 254971 & 254986

60 psi (0.414 MPa, 4.14 bar)

Maximum Fluid Working Pressure

Model: 254972

70 psi (0.49 MPa, 4.9 bar)

Maximum Fluid Working Pressure

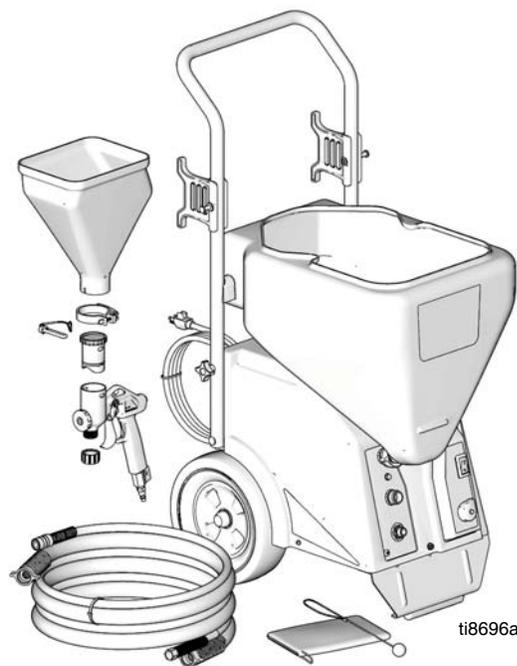


IMPORTANT SAFETY INSTRUCTIONS

Read all warnings and instructions in this manual. Save these instructions.

Related Manuals

	311777
	311764



Model 254972 Shown



Warnings

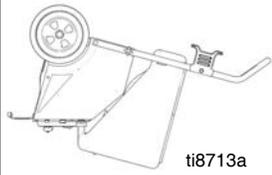
The following are general warnings related to the setup, use, grounding, maintenance and repair of this equipment. Additional, more specific warnings may be found throughout the body of this manual where applicable. Symbols appearing in the body of the manual refer to these general warnings. When these symbols appear through the manual, refer back to these pages for a description of the specific hazard.

 WARNING	
	<p>Fire and Explosion Hazard</p> <p>Improper grounding, poor ventilation, open flames or sparks can cause a hazardous condition and result in fire or explosion and serious injury.</p> <ul style="list-style-type: none"> • The system is for use with water-based materials only. Only use fluids compatible with the equipment. Refer to Technical Data of all equipment manuals. Read fluid and solvent manufacturers warnings. • Ground all equipment in the work area. See Grounding and Electrical Requirements, 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. • Keep work area free of debris, including solvent, rags and gasoline. • Comply with all applicable state and national fire, electrical and safety regulations. • Keep a fire extinguisher in the work area.
	<p>Equipment Misuse Hazard</p> <p>Equipment misuse can cause equipment to rupture, malfunction, or start unexpectedly and cause serious injury.</p> <ul style="list-style-type: none"> • Before operating this equipment, read all manuals, tags, and labels, including material labels and instructions. • Do not expose system to rain. Always store system indoors. • Do not alter or modify equipment. • Do not spray cementitious materials. • Do not exceed maximum working pressure of lowest rated component in your system. • Check equipment daily. Repair or replace worn or damaged parts immediately. • To reduce risk of serious injury, including electric shock and splashing fluid in eyes, follow Pressure Relief Procedure on page 6 before servicing the unit. • Do not kink or over bend hoses or 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 130 F (55 C) or below -35 F (-37 C). • Air hoses at the compressor end, can get very hot! Allow sprayer to cool down 15 minutes before removing air hose. • Store hazardous fluid in an approved container. Dispose of hazardous fluid according to all local, state and national guidelines. • Never directly inhale compressed air. Compressed air may contain toxic vapors.

⚠ WARNING

 	<p>Electric Shock Hazard To reduce the risk of electric shock:</p> <ul style="list-style-type: none"> • Be sure sprayer is adequately grounded through electrical outlet, page 6. • Use only 3-wire, extension cords. • Make sure ground prongs are intact on sprayer and extension cords. • Do not operate with cover removed. • Turn off sprayer. Follow Pressure Relief Procedure, page 6, and unplug unit, before removing any parts.
 	<p>Pressurized Equipment Hazard Fluid from gun, leaks or ruptured components can splash in the eyes or on skin and cause serious injury.</p> <ul style="list-style-type: none"> • Follow Pressure Relief Procedure, page 6 when you stop spraying and before cleaning, checking or servicing. • Do not point spray gun at anyone; put hand, fingers or rag over nozzle, or stop or deflect leaks with your hand, body, glove, or rag. • Wear protective clothing, gloves, and eyewear.
	<p>Cleaning Solvent Hazard with Plastic Parts Use only compatible water-based 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 Technical Data on page 31 of this instruction manual and in all other equipment manuals. Read fluid and solvent manufacturer's warnings.</p>
	<p>Burn Hazard Equipment surfaces and fluid that's heated can become very hot during operation. To avoid severe burns, do not touch hot fluid or equipment. Wait until equipment/fluid has cooled completely.</p>
	<p>Personal Protective Equipment You must wear appropriate protective equipment when operating, servicing, or when in the operating area of the equipment to help protect you from serious injury, including eye injury, inhalation of toxic fumes, burns, and hearing loss. This equipment includes but is not limited to:</p> <ul style="list-style-type: none"> • Protective eyewear • Clothing and respirator as recommended by the fluid and solvent manufacturer • Gloves • Hearing Protection
	<p>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.</p>

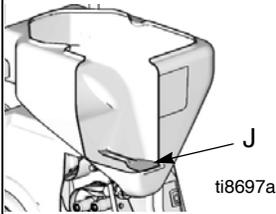
CAUTION



Water or material remaining in unit when temperatures are below freezing can damage motor and/or delay pump startup. To insure water and material are completely drained out of unit:

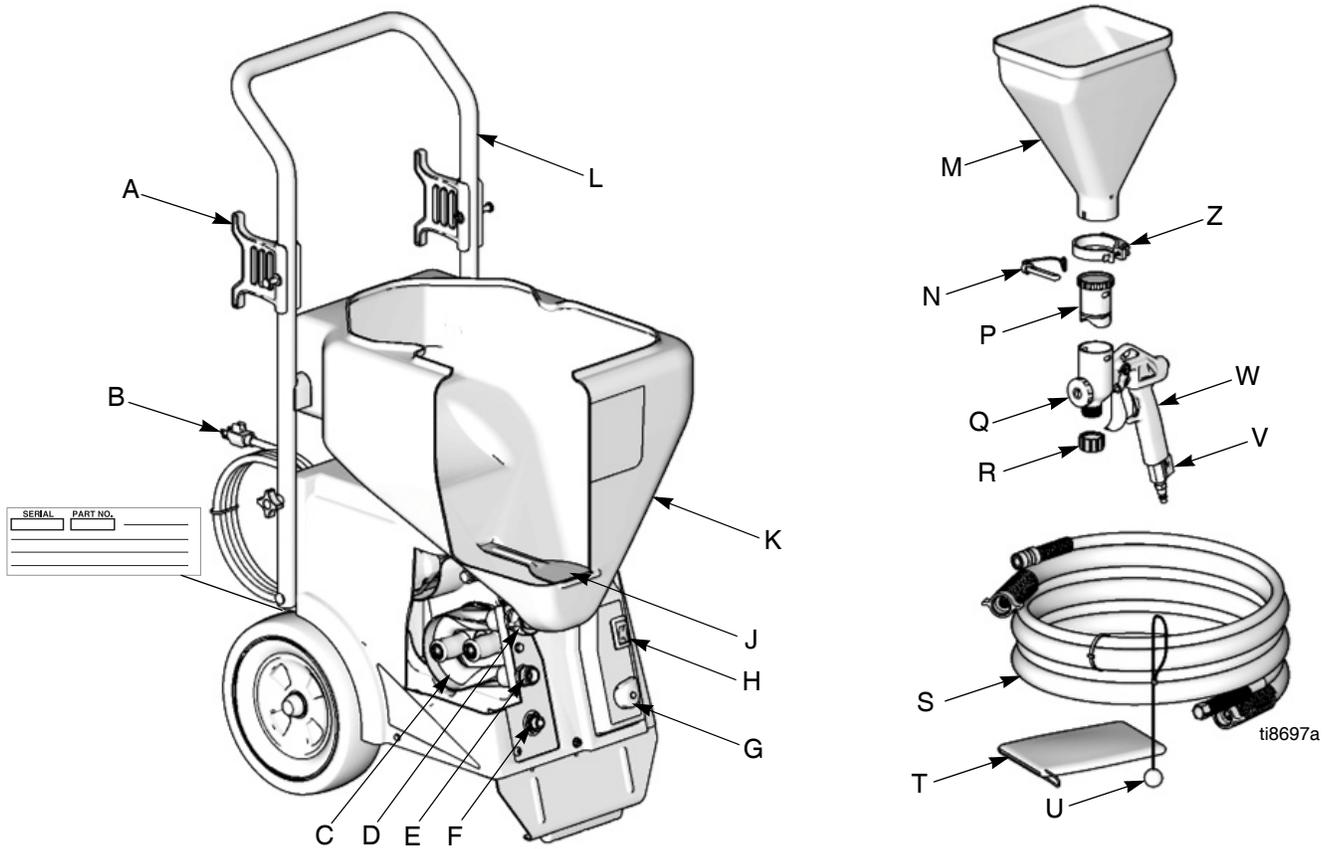
1. Remove material line from sprayer.
2. Tip sprayer up as shown.

Before adding material or starting unit in cold weather, run warm water through pump.



Install burp the guard (J) before adding material to the hopper. When only a small amount of material remains in the hopper, the burp guard prevents material from shooting out when the unit is turned off. This material could splash into the operator's eye or skin.

Component Identification



Item	Component	Item	Component
A	Hose Rack/Cord Wrap	M	Touch-Up Hopper (3/4 Gallon) (sold separately)
B	Power Cord	N	Gun Plug Clip
C	RotoFlex™ II Pump (inside)	P	Gun Plug
D	Hopper Fitting (fluid inlet)	Q	Nozzle
E	Material Hose Outlet	R	Hose Plug
F	Air Hose Outlet	S	Material/Air Hose
G	TX 90 - Hopper Gun/Spray Selector Switch TX 125 - Hopper Gun Selector & Material Flow Control	T	Accessories Bag
H	ON/OFF Switch	U	Material Thickness Gauge
J	Burp Guard	V	Gun Air Flow Control Valve
K	TX 90 - Material Hopper, 8 Gallon TX125 - Material Hopper, 10 Gallon	W	Texture Spray Gun (manual 311777)
L	Handle	Z	Hopper Clamp (sold separately)

Pressure Relief Procedure

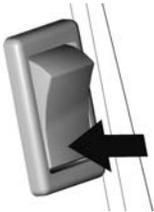
To reduce risk of injury, follow this procedure whenever you see this symbol throughout this manual. Also, perform this procedure when ever you:



- Stop spraying.
- Check or repair any part of this system.
- Install or clean spray nozzle.



1. Turn Power Switch OFF.



ti8712a

2. Trigger gun into material hopper.



ti9084a

3. Open gun air valve.



ti8528a

Grounding and Electrical Requirements

This sprayer must be grounded. Grounding reduces the risk of electrical shock by providing an escape wire for the electrical current. The sprayer cord includes 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.

Check with a qualified electrician or if grounding instructions are not completely understood, or if in doubt as to whether the product is properly grounded. Do not modify plug provided; if it will not fit the outlet, have proper outlet installed by a qualified electrician.



120V AC Systems

- This equipment requires a 120V AC, 60 Hz, 15A circuit with a grounding receptacle. Do not use an adapter with this product.

Extension Cords

- Use only an extension cord with an undamaged, 3-prong plug.
- For 25 to 50 ft (7.6 to 15.2 m) cords, use 3-wire, 14 AWG (1.5 mm²) minimum.
- For up to 100 ft. (30.48 m) cord, use 3-wire, 12 AWG (2.5 mm²) minimum.

Auxiliary Air Compressor

Do not use an auxiliary air compressor with this spray system.

Generator Requirements

3500 W (3.5 KW) minimum.

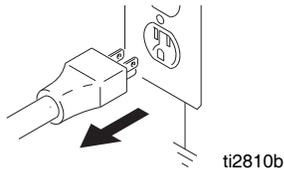
Hose Size and Length

The system comes with a hose set consisting of a 3/4 in. ID x 25 ft (25 mm x 7.6 m) material hose and a 3/8 in-ID air hose.

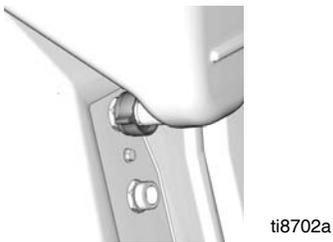
Shroud Removal

Disassembly

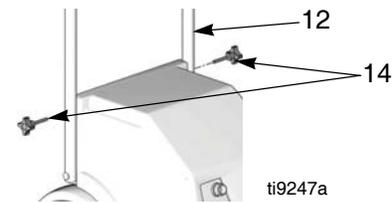
1. **Relieve Pressure**, page 6.
2. Unplug sprayer from outlet.



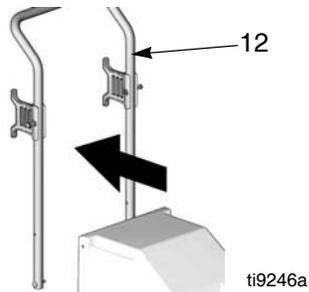
3. Loosen bottom hopper fitting by hand and pull hopper up and off from handle.



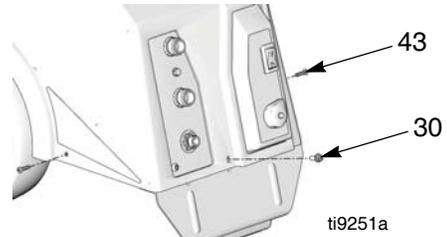
4. Loosen and remove 2 knobs (14) on sprayer handle (12).



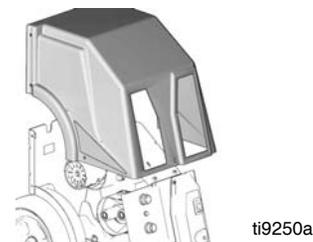
5. Spread sprayer handle (12) apart and remove from sprayer.



6. Loosen screws (30) and (43) on shroud.



7. Lift bottom front of shroud and pull up and over front control to remove.



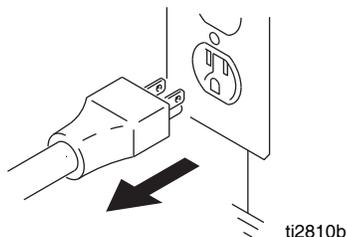
Reassembly

1. Replace shroud, pull over front controls and push down until shroud snaps into place.
2. Replace and tighten screws (30) and (43).
3. Spread sprayer handle apart and slide handle down into place.
4. Tighten 2 knobs (14) on sprayer handle (12).
5. Replace hopper and tighten hopper fitting by hand until snug.

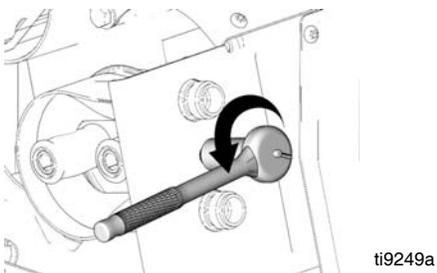
RotoFlex™ II Pump

Disassemble

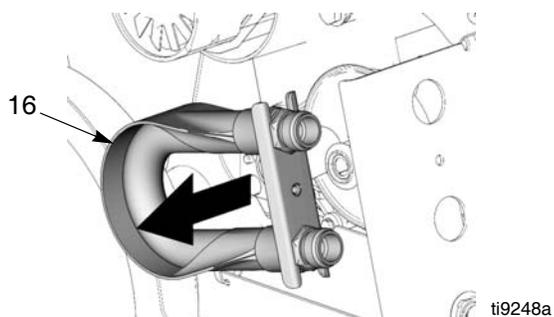
1. **Relieve Pressure**, page 6.
2. Unplug sprayer from outlet.



3. Remove **Shroud**, page 7.
4. Loosen and remove screw (28) on hose bracket.

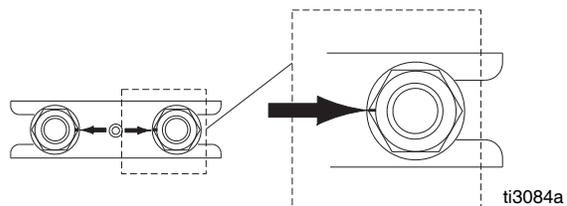


5. Grab pump hose (16) from side of unit and remove pump hose by hand.

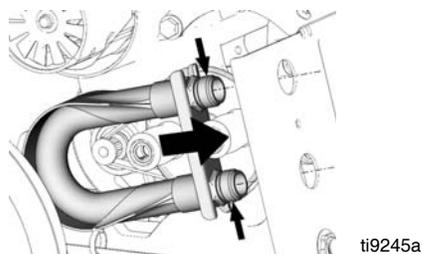


Reassemble

1. Bend hose (16) so colored dots on hose fittings face each other.



2. Slide new pump hose (16) over rollers. Move pump rollers by hand until or flip power switch to rotate rollers until they are positioned correctly with pump hose.



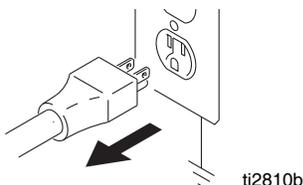
3. Feed pump fittings through front of sprayer.
4. Replace and tighten screw (28) on hose bracket.
5. Replace **Shroud**, page 7.
6. To break in new pump, add 1 cup of water to pump and run for 3 minutes.

Compressor

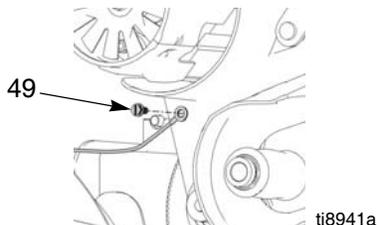
Use Compressor Repair Kit, 288612.

Disassembly

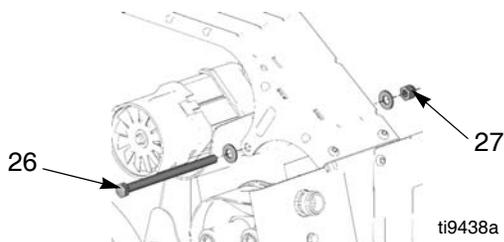
1. **Relieve Pressure**, page 6.
2. Unplug sprayer from outlet.



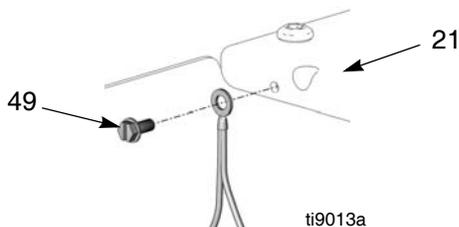
3. Remove **Shroud**, page 7.
4. Remove **RotoFlex™ II Pump** hose, page 8.
5. Unscrew and remove grounding screw (49) from compressor.



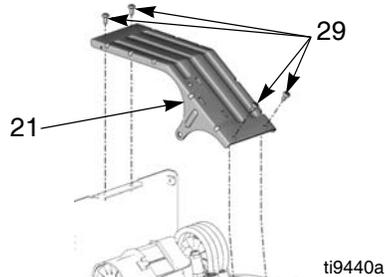
6. Use 9/16 in. socket and wrench to remove pivot bolt (26) and nut (27).



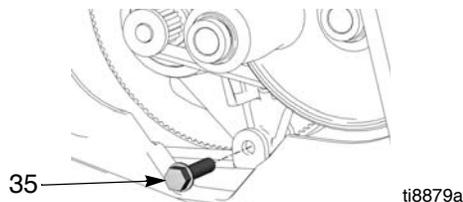
7. Unscrew and remove second grounding screw (49) from bracket (21).



8. Remove 4 screws (29) and lift bracket (21) off of compressor.



9. Remove shoulder bolt (35) holding pump roller in place.



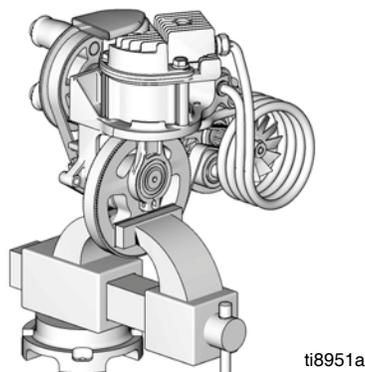
10. Use a wrench to push down on push-to-connect fitting and pull out all nylon hoses.



11. Disconnect all electrical wire connectors, see **Wiring Diagram**, page 25.

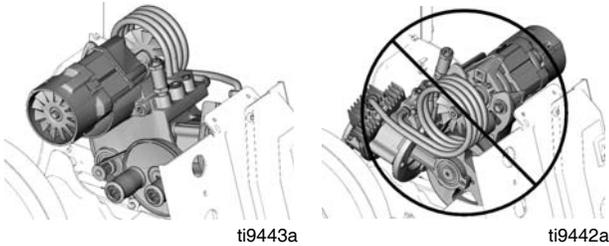
12. Thoroughly clean inside housing, removing dust and debris.

To service the compressor, remove it from the sprayer body and place it in a vice. Tighten the vice onto the main pulley to hold the compressor in place while servicing.

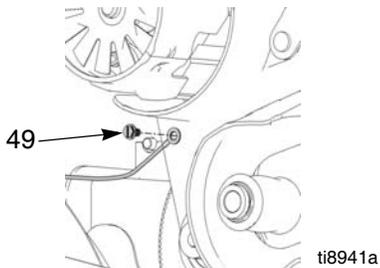


Reassembly

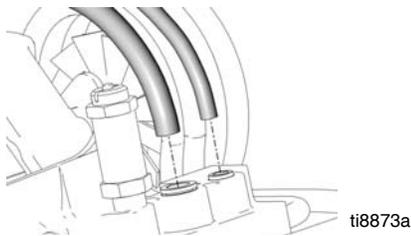
1. Carefully position compressor back into sprayer body. Make sure piston head facing front of sprayer.



2. Replace and tighten grounding screw (49).

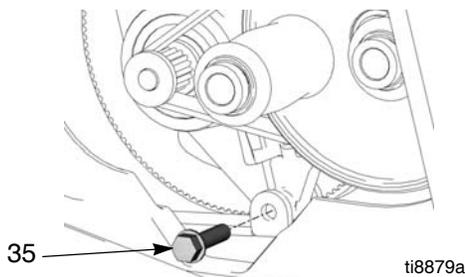


3. Reattach air lines to compressor.

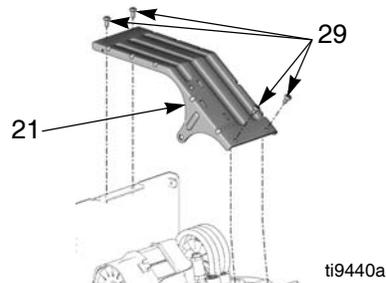


4. Reattach 2 wires to compressor see **Wiring Diagram**, page 25.

5. Replace air cylinder and tighten shoulder bolt (35) to lock into place.

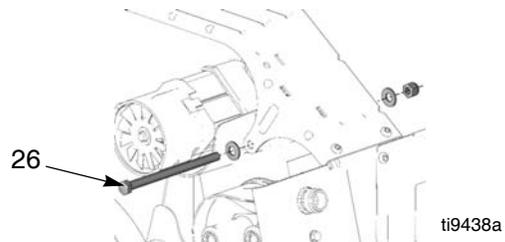


6. Replace bracket (21) and tighten 4 screws (29).

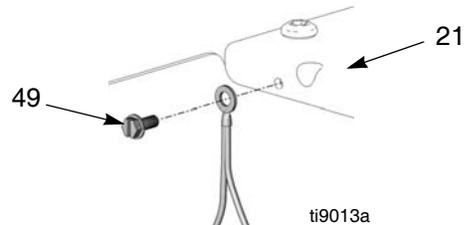


7. Replace in. grounding screw (49) and tighten onto bracket (21).

8. Replace pivot bolt (26) and use 9/16 in. socket and wrench to tighten into place. Tighten screw until spring washers are flattened.



9. Replace and tighten second grounding screw (49) to bracket (21).



10. Replace **RotoFlex™ II Pump** hose; page 8.

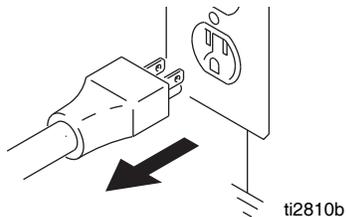
11. Replace **Shroud**, page 7.

Piston/Cylinder

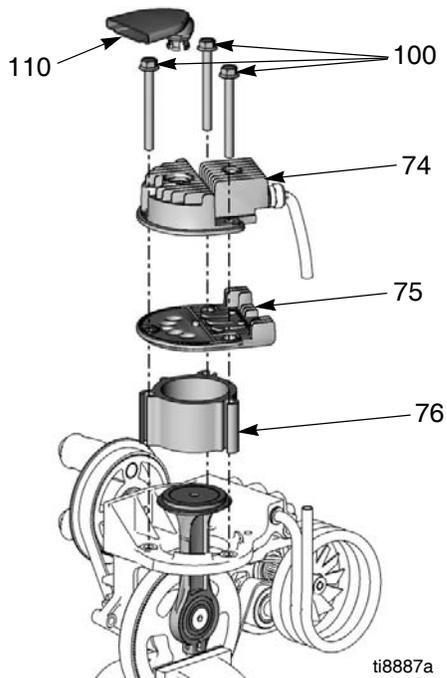
Use Piston/Cylinder Repair Kit 288609.

Disassembly

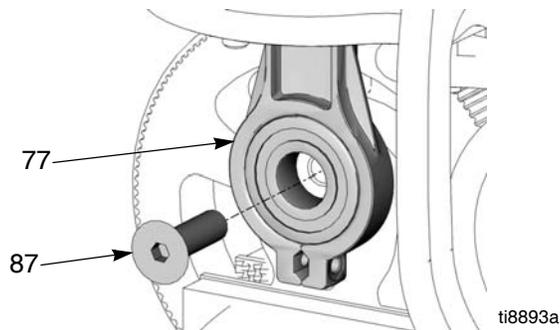
1. **Relieve Pressure**, page 6.
2. Unplug sprayer from outlet.



3. Remove **Shroud**, page 7.
4. Remove **RotoFlex™ II Pump** hose; page 8.
5. Remove **Compressor**, page 9.
6. Remove muffler (110) from head (74) by pulling straight out by hand.
7. Use 1/2 in. socket to remove three bolts (100) from head (74).



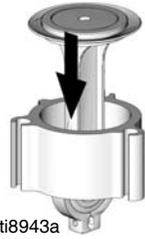
8. Use flat-blade screwdriver to pry head (74) from top of valve plate (75) and cylinder (76) from bottom of valve plate (75).
9. Use 7/32 in. allen wrench to remove hex screw (87) from piston rod (77).



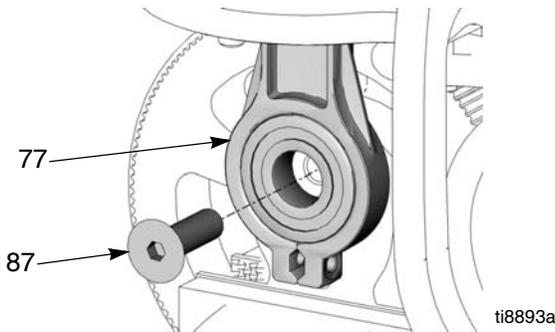
Reassembly

NOTICE

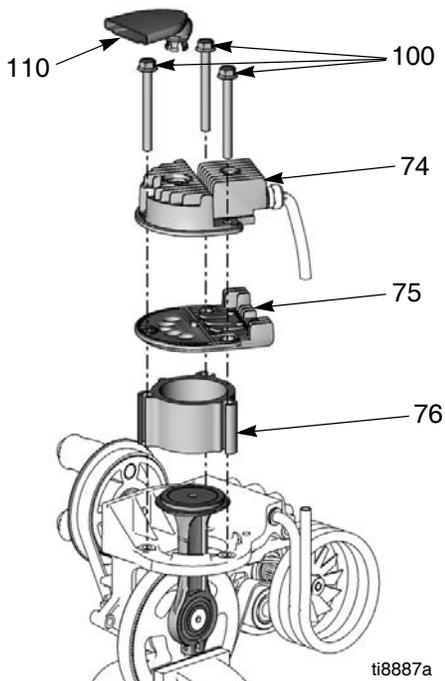
Piston and cylinder come packaged together. Do NOT let piston and cylinder come apart. If they do, make sure you drop the piston down through the top of the cylinder and tilt the piston as you pull it through the cylinder. Do NOT push the piston up from the bottom. You could easily damage the piston gasket.



1. Replace piston (77) and cylinder (76) and use 7/32 in. allen wrench to tighten hex screw (87) into piston rod.



2. Replace valve plate (75) with ribs facing up toward head.



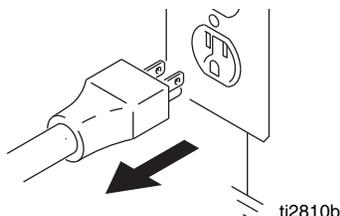
3. Replace three bolts (100) and use 1/2 in. socket to tighten into head (74). Torque all three bolts to 75 in-lb, then torque all bolts again to 210 in-lb.
4. Replace muffler (110) as seen below and press onto head (74) until it snaps into place.
5. Replace **Compressor**, page 9.
6. Replace **RotoFlex™ II Pump** hose; page 8.
7. Replace **Shroud**, page 7.

Valve Plate

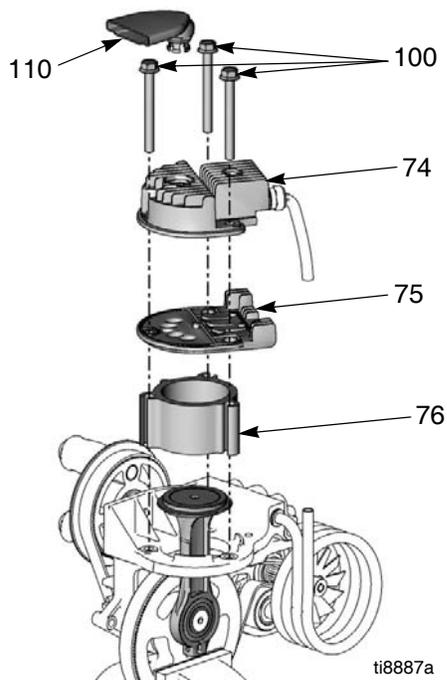
Use Valve Plate Repair Kit 288610.

Disassembly

1. **Relieve Pressure**, page 6.
2. Unplug sprayer from outlet.



3. Remove **Shroud**, page 7.
4. Remove **RotoFlex™ II Pump** hose; page 8.
5. Remove **Compressor**, page 9.
6. Remove muffler (110) from head (74) by pulling straight out by hand.
7. Use 1/2 in. socket to loosen and remove three bolts (100) from head (74).



8. Use flat-blade screwdriver to pry head (74) from top of valve plate (75) and cylinder (76) from bottom of valve plate (75).

Reassembly

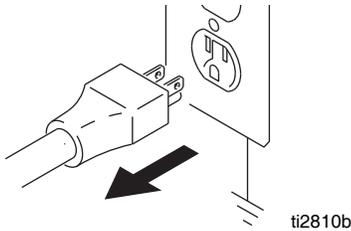
1. Replace valve plate (75) with ribs facing up toward ribs on head (74).
2. Replace three bolts (100) and use 1/2 in. socket to tighten into head (74). Torque all three bolts to 75 in-lb, then torque all bolts again to 210 in-lb.
3. Replace **Compressor**, page 9.
4. Replace **RotoFlex™ II Pump** hose; page 8.
5. Replace **Shroud**, page 7.

Motor

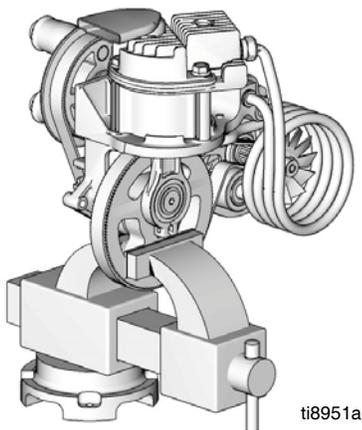
Use Motor Repair Kit 288613.

Disassembly

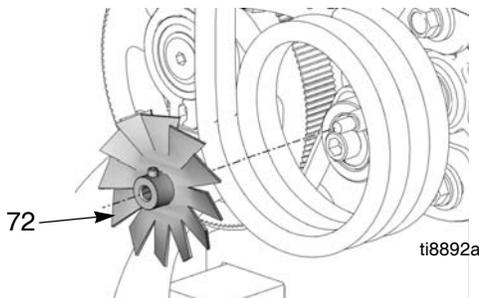
1. **Relieve Pressure**, page 6.
2. Unplug sprayer from outlet.



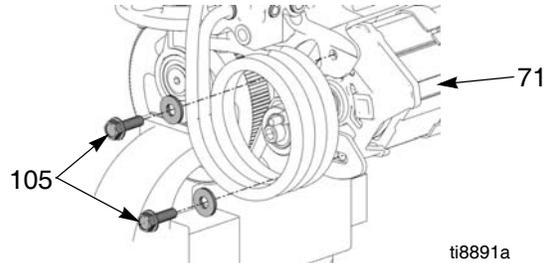
3. Remove **Shroud**, page 7.
4. Remove **RotoFlex™ II Pump** hose; page 8.
5. Remove **Compressor**, page 9.
6. Remove compressor from sprayer body and place it in a vice. Tighten the vice onto the main pulley to hold the compressor in place while servicing motor.



7. Loosen set screw and remove fan (72).



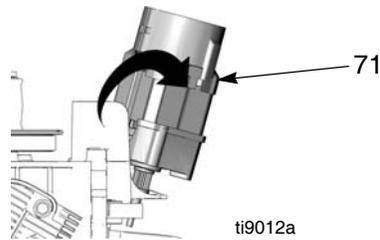
8. Use a box end wrench to loosen and remove two mounting bolts (105) on motor (71).



NOTICE

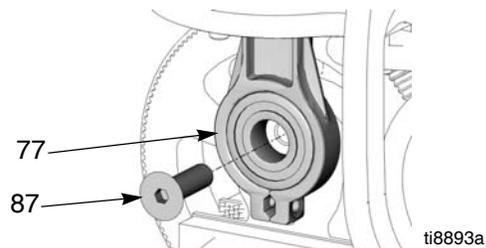
Be careful not to bend or damage the cooling tube when removing it from the motor.

9. Angle motor (71) and slide motor pulley through compressor belt to remove motor from compressor.

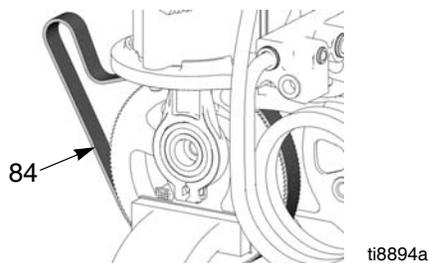


 **NOTE:** Compressor belt (84) should be replaced every time motor is replaced.

10. Use 7/32 in. allen wrench to remove hex screw (87) from piston rod (77).

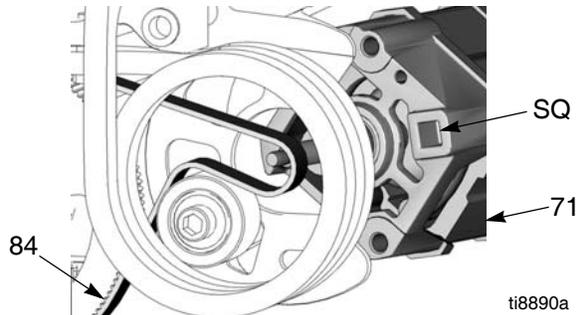


11. Remove compressor belt (84).



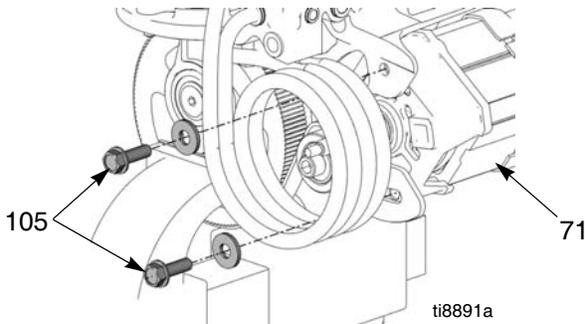
Reassembly

1. Angle motor pulley through compressor belt (84) and pull motor (71) into position.



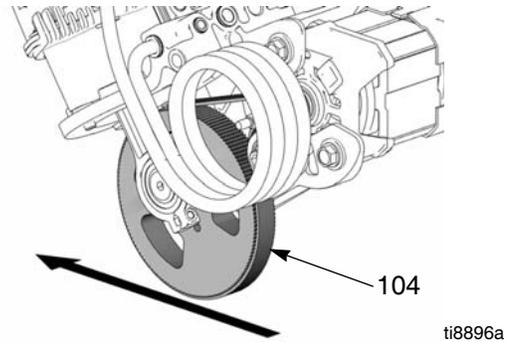
NOTE: When replacing motor (71), make sure the square-shaped hole (SQ) is facing toward the outside of the compressor. This hole will be used to torque the mounting bolts.

2. Tighten two mounting bolts (105) on motor (71) until snug, then back 1/8 of a turn.

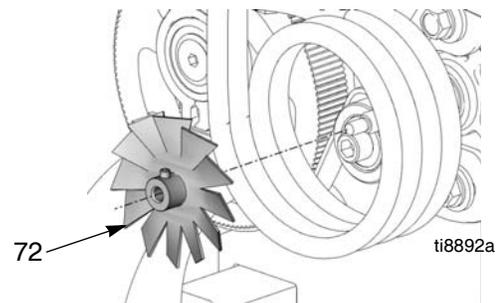


3. Insert torque wrench into square hole (SQ) on motor and torque motor to 130-150 in-lb (this may require two people; one to torque while the other tightens mounting bolts). Tighten motor bolts (105).

4. Take compressor out of vice and rotate pump pulley (104) one full revolution to seat the belt properly.



5. Place compressor back into vice and torque bolts as described in steps 2 and 3.
6. Replace fan (72) and tighten set screw.



7. Replace **Compressor**; page 9.
8. Replace **RotoFlex™ II Pump** hose; page 8.
9. Replace **Shroud**, page 7.

Cooling Tube

Use Cooler Repair Kit 288614.

							
<p>The cooling tube is extremely hot and can cause serious burns. Allow unit to completely cool before servicing the cooling tube.</p>							

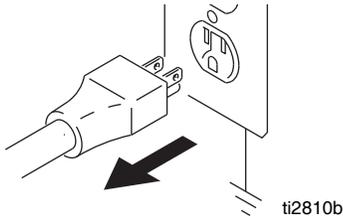
7. Use wrench to push against fitting (86) and carefully pull cooling tube (79) out.



ti8952a

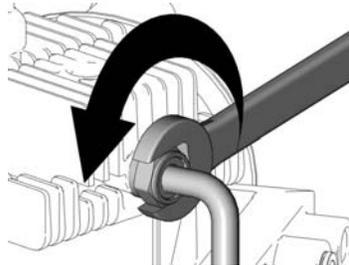
Disassembly

1. **Relieve Pressure**, page 6.
2. Unplug sprayer from outlet.



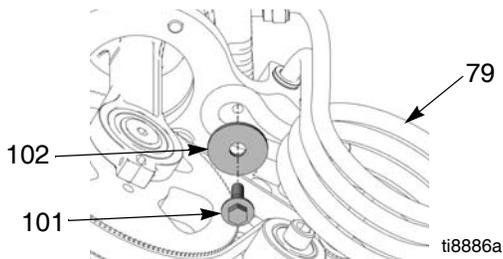
ti2810b

8. Use 5/8 in. wrench to unscrew cooling tube fitting.



ti8944a

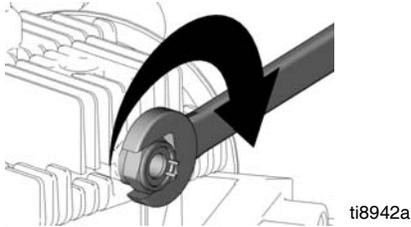
3. Remove **Shroud**, page 7.
4. Remove **RotoFlex™ II Pump** hose; page 8.
5. Remove **Compressor**, page 9.
6. Use 3/8 in. socket to remove screw (101) and washer (102) under cooling tube (79).



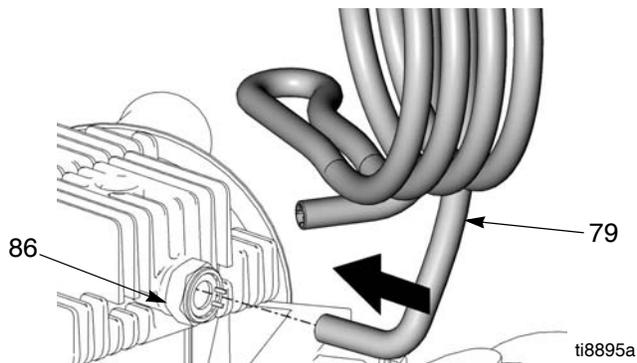
ti8886a

Reassembly

1. Insert new cooling tube fitting and use 5/8 in. wrench to tighten.



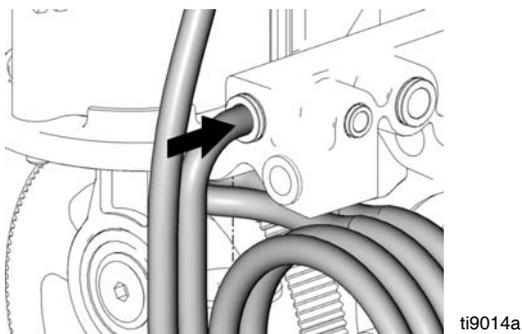
2. Insert cooling tube (79) and push into new fitting (86). Make sure tube is fully seated.



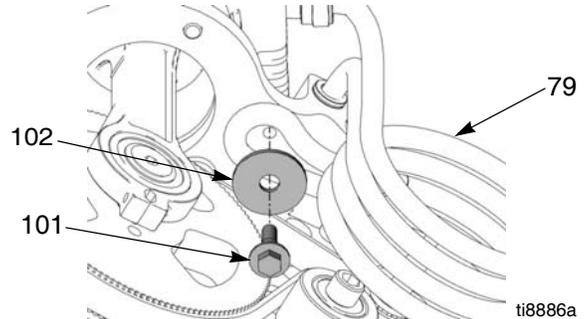
NOTICE

When replacing cooling tube, make sure coil is facing up when you push the tubing into the fitting. If you push from any other angle you could bend or damage the tube.

3. Rotate cooling tube around and insert free end into push-to-connect fitting. Make sure tube is fully inserted.



4. Replace screw (101) and washer (102) under cooling tube (79) and use 3/8 in. socket to tighten.



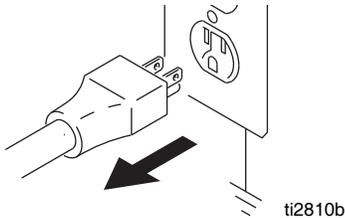
5. Replace **Compressor**; page 9.
6. Replace **RotoFlex™ II Pump** hose; page 8.
7. Replace **Shroud**, page 7.

Idler

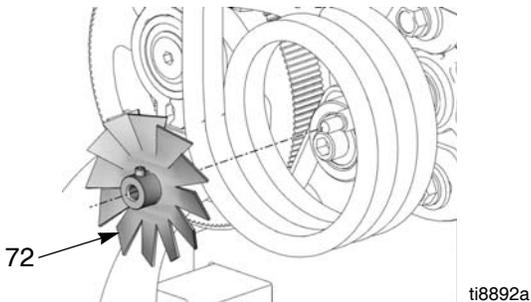
Use Idler Repair Kit 288611.

Disassembly

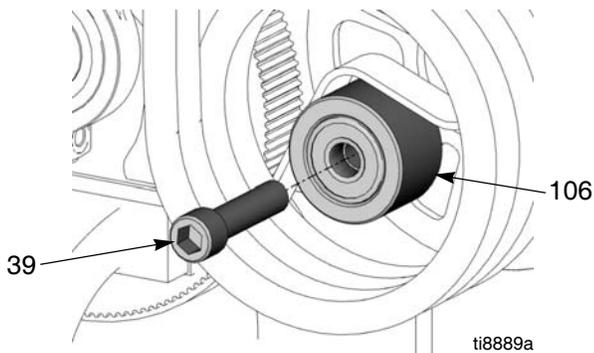
1. **Relieve Pressure**, page 6.
2. Unplug sprayer from outlet.



3. Remove **Shroud**, page 7.
4. Remove **RotoFlex™ II Pump** hose; page 8.
5. Remove **Compressor**, page 9.
6. Remove compressor belt, page 14.
7. Loosen set screw and remove fan (72).



8. Loosen screw (109) and remove Idler (108).



 **NOTE:** Every time you replace the Idler you should also replace the compressor belt, page 14.

Reassembly

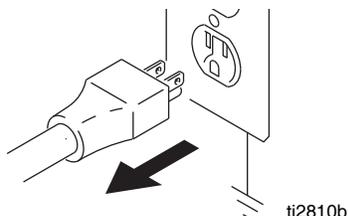
1. Install new compressor belt, page 14.
2. Replace new Idler (108) and tighten screw (109).
3. Replace fan (72) and tighten set screw.
4. Replace **Compressor**, page 9.
5. Replace **RotoFlex™ II Pump** hose; page 8.
6. Replace **Shroud**, page 7.

Roller Pulley/Belt

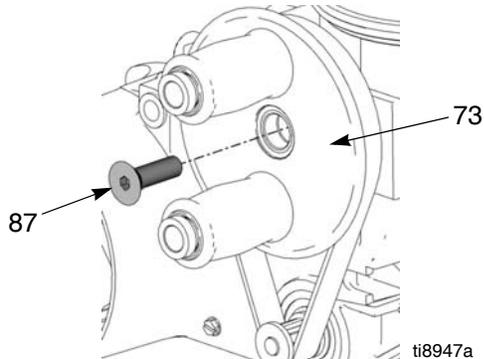
Use Roller Pulley Repair Kit 288616.

Disassembly

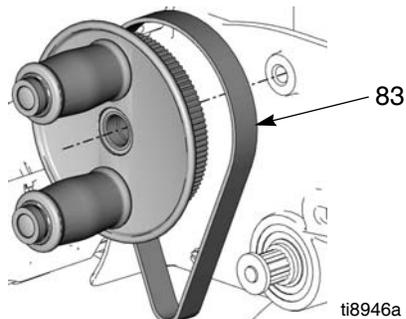
1. **Relieve Pressure**, page 6.
2. Unplug sprayer from outlet.



3. Remove **Shroud**, page 7.
4. Remove **RotoFlex™ II Pump** hose; page 8.
5. Remove **Compressor**, page 9.
6. Use 7/32 in. allen wrench to loosen roller mounting bolt (87) and remove roller pulley (73).



7. Remove belt (83) and discard.



 **NOTE:** Every time you replace the roller pulley, you should also replace the belt.

Reassembly

1. Install new compressor belt (83).
2. Loop belt over roller pulley and align roller with bolt hole.
3. Use 7/32 in. allen wrench to tighten bolt (87) to 20 ± 2 ft-lb.
4. Replace **Compressor**, page 9.
5. Replace **RotoFlex™ II Pump** hose; page 8.
6. Replace **Shroud**, page 7.

Selector Switch Knob (TX 95)

Use Knob Repair Kit 288756.

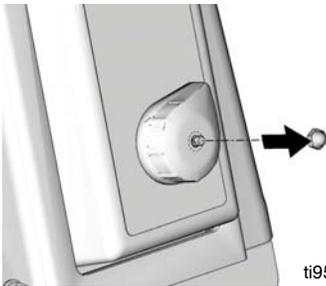
Disassembly

1. Turn selector switch knob clockwise as far as it will go.



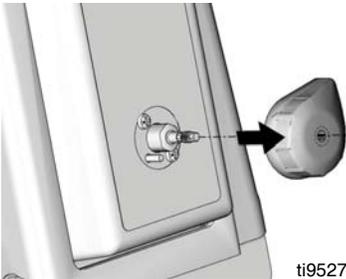
ti9525a

2. Use wrench to remove nut from knob.



ti9526a

3. Pull knob straight off from sprayer.

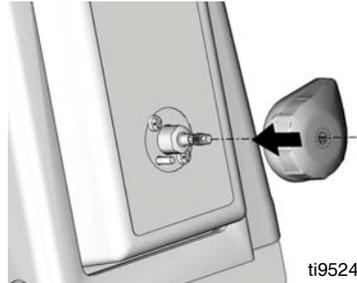


ti9527a

 **NOTE:** Once the knob has been removed, don't move the exposed spline. If it is moved, use your fingers to turn it clockwise as far as it will go for a tight fit prior to reassembly of knob. This will properly align knob to spline.

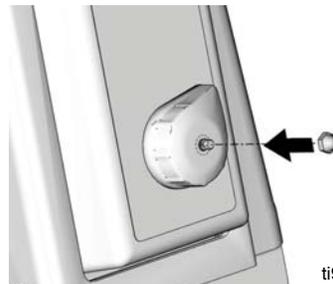
Assembly

1. Position new knob to point right (approximately 45° from vertical) and slide it onto exposed spline.



ti9524a

2. Apply Locktite (1 drop or small amount) to knob nut and tighten with wrench.



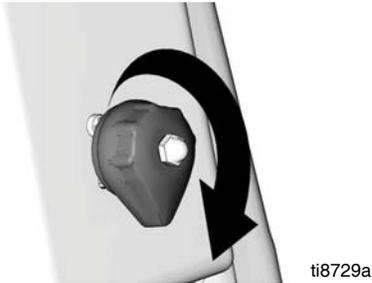
ti9528a

Selector Switch Knob (TX 125)

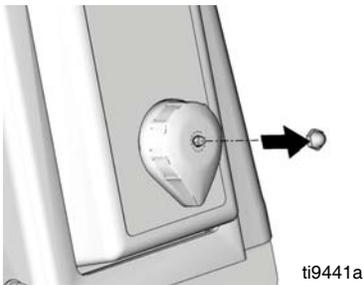
Use Knob Repair Kit 288768.

Disassembly

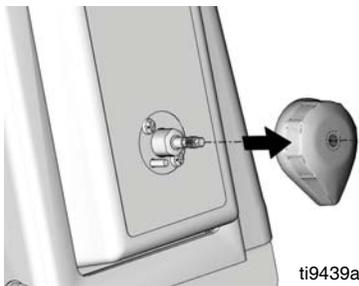
1. Turn selector switch knob clockwise until it points down.



2. Use wrench to remove nut from knob.



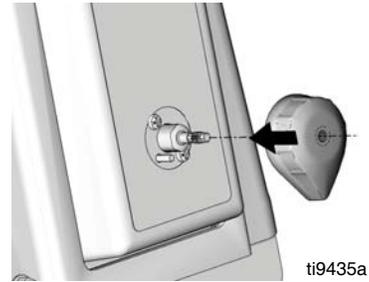
3. Pull knob straight off from sprayer.



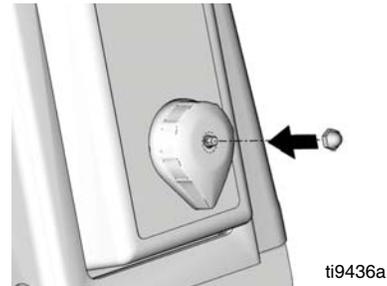
 **NOTE:** Once knob has been removed, don't move the exposed spline. If it is moved, use your fingers to turn it clockwise as far as it will go for a tight fit prior to reassembly of knob. This will properly align knob to spline.

Assembly

1. Position new knob to point down and slide it onto exposed spline.



2. Apply Locktite (1 drop or small amount) to knob nut and tighten with wrench.



Regulator Valve

Use Regulator Repair Kit 288757 (TX 95).
Use Regulator Repair Kit 288824 (TX 125).

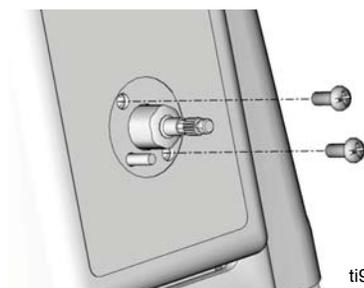
Disassembly

1. Remove **Knob**, page 20.
2. Remove **Shroud**, page 7.
3. Use wrench to push against fitting (86) and carefully pull cooling tube (79) out.



ti8952a

4. Use phillips screwdriver to remove two screws.

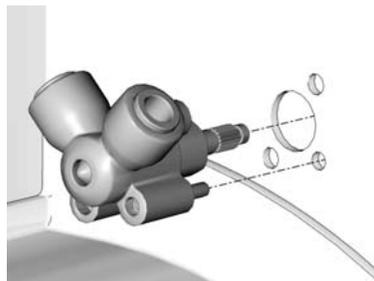


ti9437a

5. Remove old regulator valve.

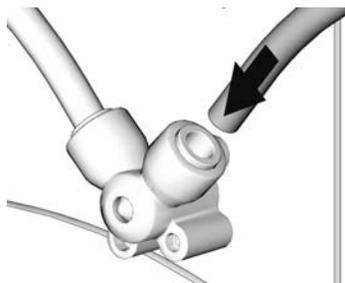
Assembly

1. Replace new regulator valve and feed through 3 holes on side of sprayer.



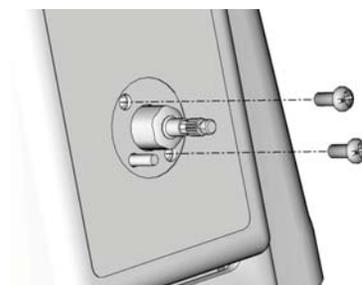
ti9282a

2. Reattach two air lines.



ti9275a

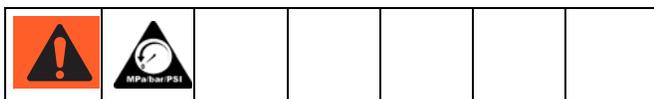
3. Replace two screws and tighten with phillips screwdriver.



ti9437a

4. Replace **Knob**, page 20.
5. Replace **Shroud**, page 7.

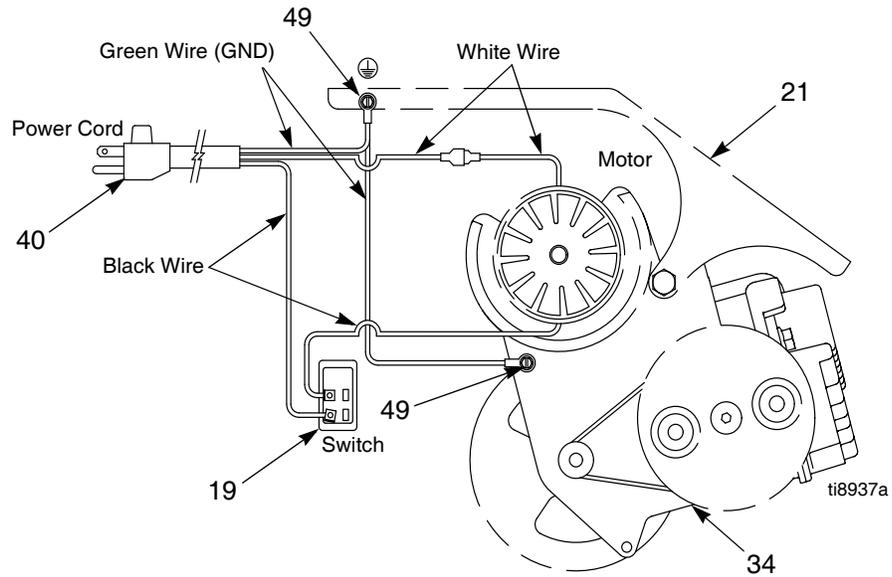
Troubleshooting



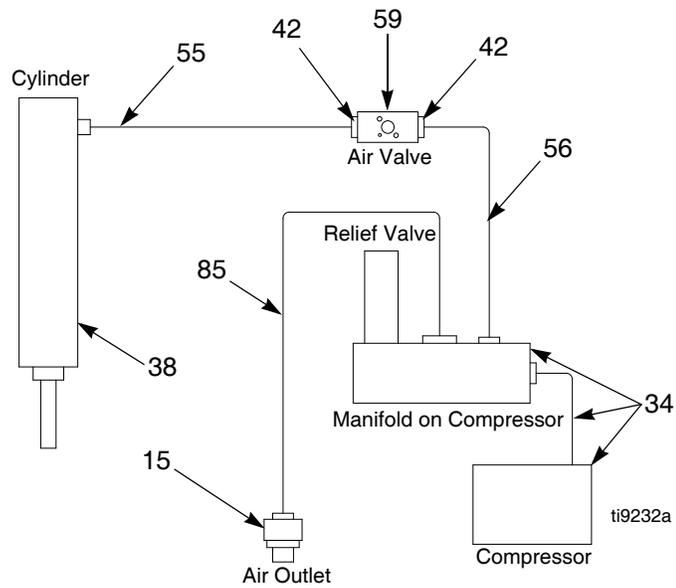
Problem	Cause	Solution
Sprayer won't run	Power switch not on	Turn switch ON.
	No power at wall outlet	Check outlet by plugging in another appliance. If appliance does not work, try another outlet.
	Wrong size generator	Use a 3500 watt or larger generator. Refer to Generator Requirements, page 6.
	Breaker tripped	Reset breaker.
Pump won't pump material	Air lock	Open air valve on gun.
	Selector switch in wrong position	Move selector switch to correct position for application.
	Mix too thick	Add water to thin material. Use Material Thickness Gauge.
	Loose fittings	Check and retighten all fittings.
	Plugged gun	Relieve Pressure , page 6. Remove gun from hose. Clean gun.
	Pump hose worn out	Replace hose. Recommended hose replacement - once every year.
	Pump cold	Move pump to warm room and allow it to warm up or run hot water through sprayer.
Material runs out of bottom of sprayer	Pump hose worn out	Replace hose.
	Loose fittings	Check and retighten all fittings.
No air from compressor	Gun air valve closed	Open gun air valve.
	Low voltage	Check extension cord length and gauge. Replace if different than recommended. Refer to Grounding and Electrical Requirements, page 6.
	Gun needle plugged	Clean needle and retry.
	Worn compressor	Replace compressor. Contact a qualified Graco Service Center.
	Lines not connected	Check all quick disconnect connections to gun and hoses.
	Damaged hose	Replace hose.

Problem	Cause	Solution
Speed of application slow or slower	Material too thick	Thin material.
	Nozzle too small	Change nozzles to a larger size. See Operation manual 311768.
	Too much air being used.	Partially close gun air valve to reduce air flow.
	Pump hose worn	Replace hose.
	Plugged or dirty gun	Relieve Pressure , page 6. Clean gun.
	Kinked hose	Unkink hose.
	Gun adjustment set too low	Increase flow adjustment with flow adjustment nut.
	Too many items on same circuit	Unplug other items from circuit.
	Extension cord too long or wrong gauge	Use a different extension cord. Refer to Grounding and Electric Requirements, page 6.
Intermittent flow/sputtering	Hopper connection not tight	Check gasket. Tighten connection.
	Debris in system	Clean system.
Quick disconnect does not stay connected.	Dirty or corroded fitting	Clean thoroughly. Soak in oil. Apply a few drops of light oil.
Gun will not shut off	Worn nozzle or needle.	Relieve Pressure , page 6. Replace worn parts.
	Debris in needle passage	Relieve Pressure , page 6. Clean.
Fluid leaking at Flow Adjustment Nut	Damaged seal.	Relieve Pressure , page 6. Replace seal.
Fluid leaking out of either plug	Missing or damaged o-rings	Relieve Pressure , page 6. Replace o-rings.
	Gun damaged	Replace gun.
Needle adjustment won't adjust	Dirty threads	Clean threads.
	Nozzle not on gun	Put nozzle on gun.

Wiring Diagram

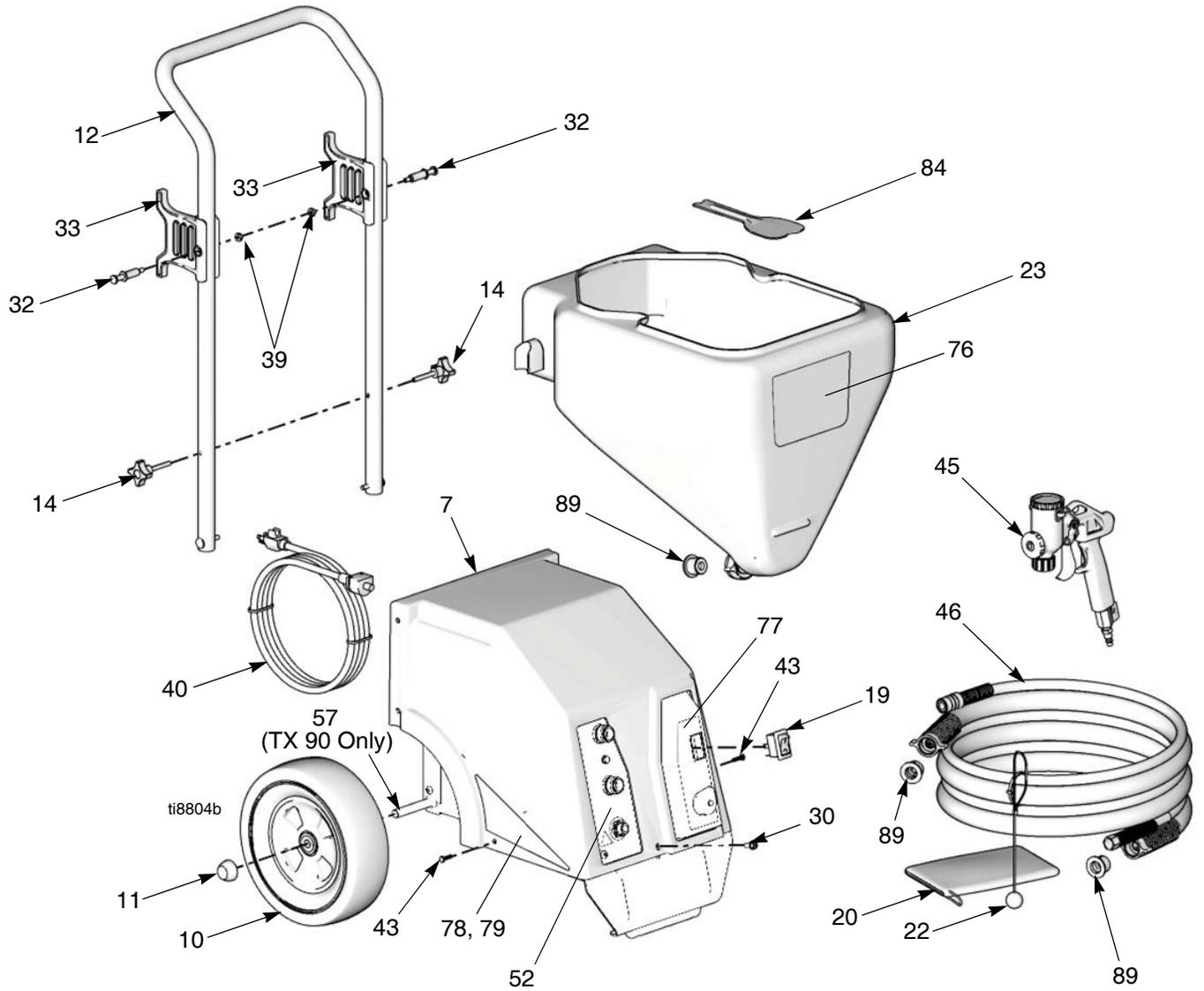


Air Diagram



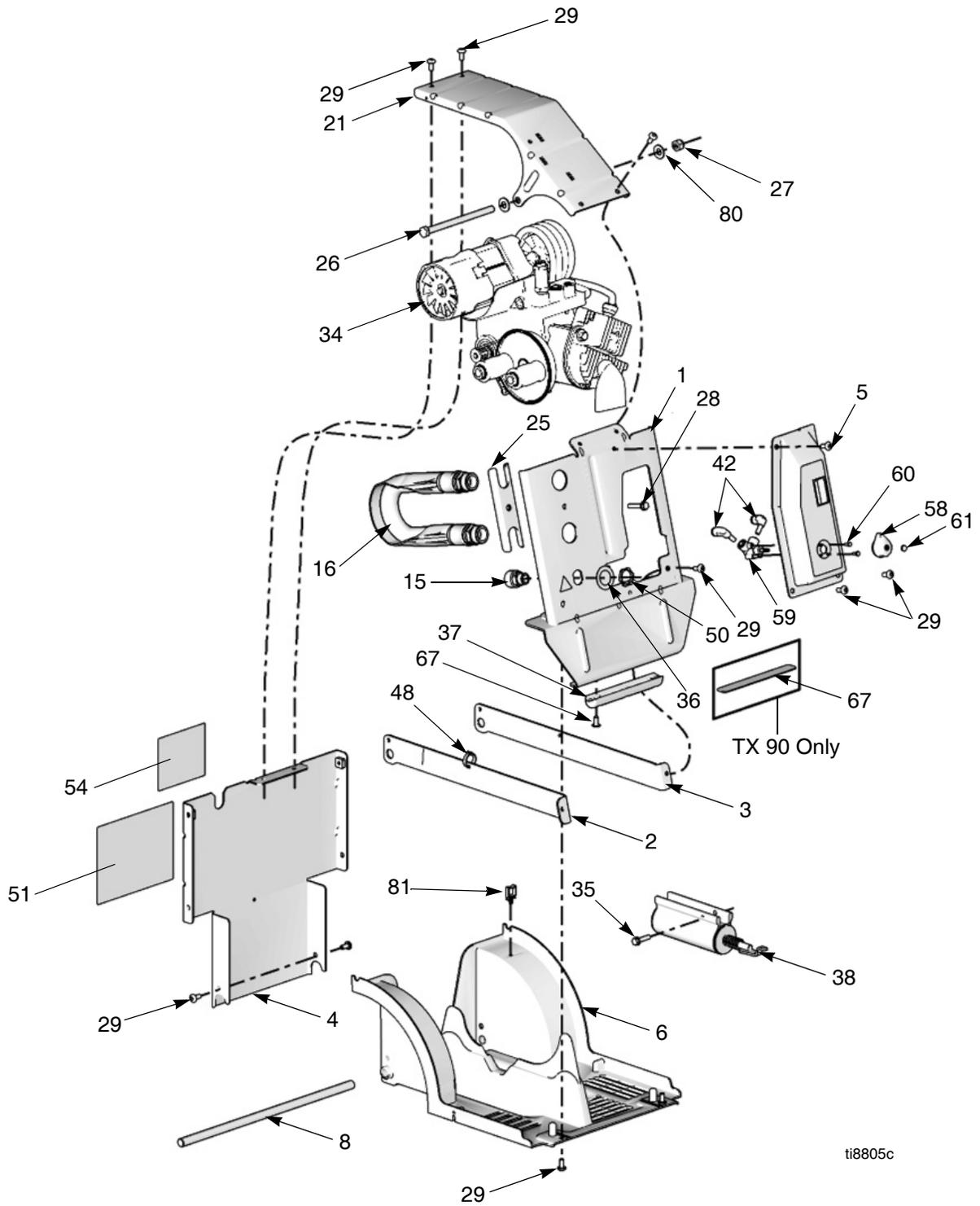
Parts Drawing

Models 254971, 254972, & 254986



Parts Drawing

Models 254971, 254972, & 254986



Parts List

Models 254971 & 254986

Ref.	Part	Description	Qty.	Ref.	Part	Description	Qty.
1	15R254	FRAME	1	43	120994	SCREW, mach, pnh	2
2	15H607	FRAME, bottom, right	1	44	234222	HOPPER, texture, .75 GAL (not shown)	1
3	15H606	FRAME, bottom, left	1	45	288628	GUN, spray, texture,	1
4	288390	FRAME, back, texfinish, black	1	45a	287967	PIN, gun clip	1
5	15J665	PANEL, control, texfinish, black	1	45b	234188	CLAMP	1
6	277319	SHIELD, bottom	1	45c	15B167	PLUG, gun	1
7	277373	SHIELD, top, TX	1	46	234148	HOSE	1
8	15H136	ROD, axle, texfinish	1	48	103473	STRAP, tie, wire	2
10	115095	WHEEL, 9	2	49	115498	SCREW, mach, slot hex wash hd	2
11	112612	CAP, hub	2	50	104227	NUT, lock	1
12	288313	HANDLE, painted	1	51▲	15H841	LABEL	1
14	15H641	KNOB	2	52▲	15K616	LABEL, caution	1
15	288336	FITTING, bulkhead, assembly	1	54▲	15H868	LABEL	1
16	288623	PUMP HOSE, RotoFlex™	1	55	120751	TUBE, air, .250 od	1
19	120660	SWITCH	1	56	120752	TUBE, air, .250 od	1
20	15H240	BAG, mesh	1	57	195367	SPACER	2
21	15H910	BRACKET, pump	1	58	288756	KIT, repair, knob (includes 58, 61)	1
22	15C090	GAUGE, thickness, fluid	1	59	288757	KIT, repair, regulator (includes 59, 60)	1
23	288162	HOPPER, 8 gallon	1	60	120744	SCREW, #6 pan, tri lobe	2
25	15J500	BRACKET, hose	1	61	120637	NUT, acorn	1
26	105240	SCREW, cap hex hd	1	67	120759	PAD, non-slip, foot	1
27	113981	NUT, lock, high tensile	1	76	15K326	LABEL, hopper magnum TX 90	1
28	120444	SCREW, hex hd, flanged	1	77	15K330	LABEL, control magnum TX 90	1
29	117630	SCREW, torx, tri lob	12	78	15K336	LABEL, side left magnum TX 90	1
30	117633	SCREW, slot hex wash hd	1	79	15K337	LABEL, side right magnum TX 90	1
32	15K289	BOLT, cord hanger	2	80	120215	WASHER, belleville	2
33	15K284	HANGER, cord	2	81	117727	CLIP, wire	1
34	288856	COMPRESSOR, pump assembly, 45 psi	1	84	15H912	GUARD, burp	1
35	120236	SCREW, shoulder	1	85	120567	TUBE, air, .375 OD	1
36	120731	WASHER, flat, thin	1	89	115099	GASKET	3
38	289591	CYLINDER	1				
39	100015	NUT, hex, jam	2				
40	15J758	CORD, power	1				
42	113318	FITTING, elbow, plug in	2				

▲ Additional warning labels are available at no cost.

Parts List

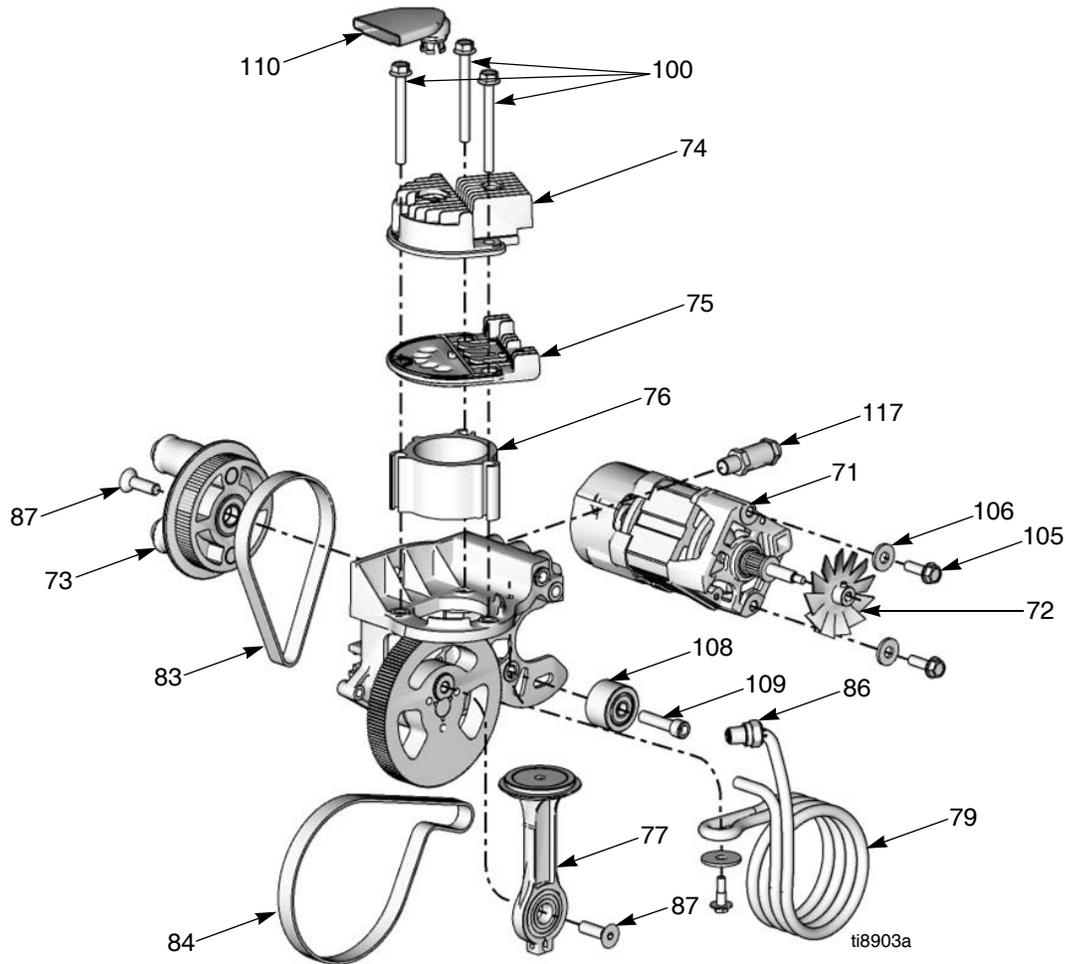
Models 254972

Ref.	Part	Description	Qty.	Ref.	Part	Description	Qty.
1	15R254	FRAME	1	50	104227	NUT, lock	1
2	15H607	FRAME, bottom, right	1	51▲	15H841	LABEL	1
3	15H606	FRAME, bottom, left	1	52▲	15K616	LABEL, caution	1
4	288390	FRAME, back, texfinish, black	1	54▲	15H868	LABEL	1
5	15J665	PANEL, control, texfinish, black	1	55	120751	TUBE, air, .250 od	1
6	277319	SHIELD, bottom	1	56	120752	TUBE, air, .250 od	1
7	277373	SHIELD, top, TX	1	58	288768	KIT, repair, knob (includes 58, 61)	1
8	15H136	ROD, axle, texfinish	1	59	288824	KIT, repair, regulator (includes 59,60)	1
10	115094	WHEEL, 10	2				
11	112612	CAP, hub	2	60	120744	SCREW, #6 pan, tri lobe	2
12	288313	HANDLE	1	61	120637	NUT, acorn	1
14	15H641	KNOB	2	67	15K049	ISOLATOR, foot	1
15	288336	FITTING, bulkhead, assembly	1	76	15K327	LABEL, hopper magnum TX 125	1
16	288623	PUMP HOSE, RotoFlex™	1	77	15K331	LABEL, control magnum TX 125	1
19	120660	SWITCH	1	78	15K332	LABEL, side left magnum TX 125	1
20	15H240	BAG, mesh	1	79	15K333	LABEL, side right magnum TX 125	1
21	15H910	BRACKET, pump, TX	1	80	120215	WASHER, belleville	2
22	15C090	GAUGE, thickness, fluid	1	81	117727	CLIP, wire	1
23	288264	HOPPER, 10 gallon	1	84	15H912	DEFLECTOR, hopper	1
25	15J500	BRACKET, hose	1	85	120567	TUBE, air, .375 OD	1
26	105240	SCREW, cap hex hd	1				
27	113981	NUT, lock, high tensile	1				
28	120444	SCREW, hex hd, flanged	1				
29	117630	SCREW, torx, tri lob	12				
30	117633	SCREW, slot hex wash hd	1				
32	15K289	BOLT, cord hanger	2				
33	15K284	HANGER, cord	2				
34	288651	COMPRESSOR, pump assembly	1				
35	120236	SCREW, shoulder	1				
36	120731	WASHER, flat, thin	1				
37	120411	RIVET, blind 1/4 dia.	3				
38	289591	CYLINDER, TX	1				
39	100015	NUT, hex, jam	2				
40	15J758	CORD, power	1				
42	113318	FITTING, elbow, plug in	2				
43	120994	SCREW, mach, pnh	2				
44	234222	HOPPER, texture, .75 gal (not shown)	1				
45	288628	GUN, spray, texture (for use w/ hopper)	1				
45a	287967	PIN, gun clip	1				
45b	234188	CLAMP	1				
45c	15B167	PLUG, gun	1				
46	234148	HOSE	1				
48	103473	STRAP, tie, wire	2				
49	115498	SCREW, mach, slot hex wash hd	2				

▲ Additional warning labels are available at no cost.

Parts Drawing and List

Compressor 288856 & 288651



Ref.	Part	Description	Qty.	Ref.	Part	Description	Qty.
	288856	KIT, repair, compressor, complete; TX 90 (includes all items)		79	288614	KIT, repair, cooler (includes 79, 86)	1
	288651	KIT, repair, compressor; TX 125 (complete; includes all items)		83	120234	BELT	1
	288612	KIT, repair, compressor, rebuild (includes 100, 74, 86, 75, 76, 77, 87)		84	120233	BELT	1
71	288613	KIT, repair, motor, universal, 120v (includes 71,72, 84, 105, 106)	1	86	120245	FITTING	1
72	120466	FAN	1	87	120204	SCREW, mach, hex flat head	2
73	288616	KIT, repair, pulley, w/rollers (includes 73, 83, 87)	1	95	120593	SCREW, mach, torx pan hd	3
74	288746	HEAD, compressor (includes 74, 75)	1	100	120229	SCREW, hex flange	3
75	288610	KIT, repair, plate, valve (includes 76)	1	101	118890	SCREW, shoulder	1
76		CYLINDER, compressor	1	102	120659	WASHER, flat	1
77	288609	KIT, repair, piston/cylinder (includes 75, 76, 77, 87)	1	105	260215	SCREW, hex hd	2
				106	100023	WASHER, flat	2
				108	288611	KIT, repair, idler (includes 108, 84)	1
				109	104272	SCREW, cap, sch	1
				110	15H940	FITTING, muffler, intake	1
				117	120617	VALVE, pressure relief	1

Technical Data

Main unit power requirements	120 Vac, 60 Hz, 15A, 1 phase
Maximum fluid working pressure	70 psi, (4.9 bar)
Maximum air working pressure	50 psi, (3.5 bar)
Compressor specifications	Universal motor thermally protected, oil-less
Compressor air displacement	4.0 scfm at 45 psi
Generator required	3500W minimum
Electric Motor	Universal AC 14 Amp 1.5 Hp
Power Cord	16 AWG, 3-wire, 25 ft
Material hopper capacity	Model 254971 & 254986: 8 gallons Model 254972: 10 gallons Gun material hopper: 3/4 gallon
Maximum delivery with texture	TX 90 - 0.9 gpm (3.4 lpm) TX 125 - 1.25 gpm (4.7 lpm)
Dimensions: TX 90	
Length	23 in. (584 mm) with handle
Width	15.5 in. (393 mm)
Height	40.5 in. (1028 mm)
Weight (includes hose and gun)	60 lb (27.2 kg)

Dimensions: TX 125	
Length	23.5 in. (596 mm) with handle
Width	15.5 in. (393 mm)
Height	40.5 in. (1028 mm)
Weight (includes hose and gun)	65 lb (29.5 kg)
Wetted parts	brass, aluminum, plastic
Sound data	
Sound pressure level*	83.2 dB(A)
Sound power level**	97.5 dB(A)
Storage Temperature Range	35°F - 160°F (1.6°C - 71°C)
Operating Temperature Range	40°F - 115°F (4°C - 46°C)
Gun:	
Maximum Working Pressure	70 psi (4.9 bar)
Air Maximum Working Pressure	100 psi (6.895 bar)
CFM Rating	3.5 - 11 CFM
Weight	1.1 lb (500 g)

* Measured while spraying at 1 m

** Measured per ISO-3744

Graco Standard Warranty

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.

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.

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

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Graco Information

For the latest information about Graco products, visit www.graco.com.

For patent information, see www.graco.com/patents.

TO PLACE AN ORDER, contact your Graco distributor or call 1-800-690-2894 to identify the nearest distributor.

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Original instructions. This manual contains English. MM 311770

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