

MANUAL NUMBER X040210 | REVISION C | ENGLISH (US)

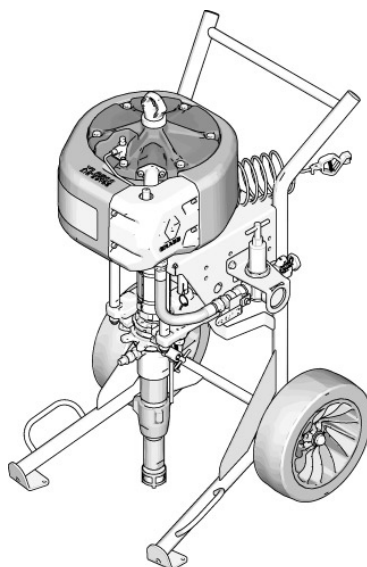
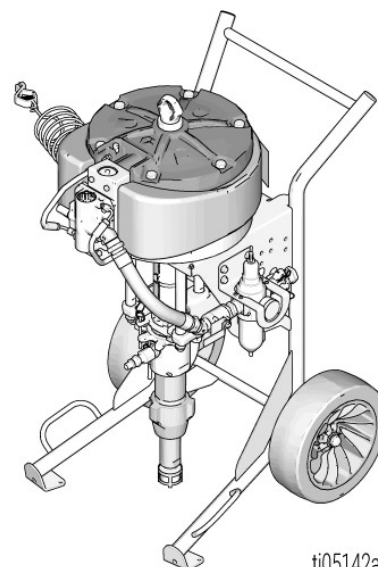
King® PC Spray Packages and Pumps

High-pressure spray packages for applying high-performance coatings. For professional use only.



Important Safety Instructions

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

graco.com/contact**K70PH0**

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K71PH0

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MODELS

Part numbers reflect distinct features and characteristics of the King® PC Spray Packages and Pumps.

KING® PC SPRAYER MODELS (7250 PSI)

Maximum Working Pressure: 7250 psi (49.9 MPa, 499 bar)

MODEL	DESCRIPTION	AIR MOTOR	SUCTION SET	GUN	HOSE (WHIP HOSE)
K70PW0	Wall Mount Sprayer Only	XL6500	55 gal.	N/A	N/A
K70PH0	Sprayer Only	XL6500	5 gal. / Direct Immersion	N/A	N/A
K90PH0					
K71PH0		XL10000			
K70PW1	Wall Mount Complete	XL6500	55 gal.	XTR7+	3/8 in. x 50 ft (1/4 in. x 6 ft)
K70PH1	Complete	XL6500	5 gal. / Direct Immersion	XTR7+	3/8 in. x 50 ft (1/4 in. x 6 ft)
K90PH1					
K71PH1		XL10000			
K70PH2	Big 150	XL6500	5 gal. / Direct Immersion	XTR7+	3/8 in. x 150 ft (1/4 in. x 6 ft)
K70PH3	Big 250	XL6500	5 gal. / Direct Immersion	XTR7+	3/8 in. x 250 ft (1/4 in. x 6 ft)
K70PH4	Big 250 Heavy Fluid Package	XL6500	5 gal. / Direct Immersion	XHF	3/4 in. x 200 ft 1/2 in. x 50 ft (3/8 in. x 10 ft)
K71PH4		XL10000			
K70PH5	Heavy Fluids Package	XL6500	10 gal. SST Hopper	XHF	1/2 in. x 50 ft (3/8 in. x 10 ft)
K71PH5		XL10000	5 gal. / Direct Immersion		3/4 in. x 50 ft (1/2 in. x 25 ft)

MODELS

KING® PC SPRAYER MODELS (6000 PSI)

Maximum Working Pressure: 6000 psi (41.4 MPa, 414 bar)

MODEL	DESCRIPTION	AIR MOTOR	SUCTION SET	GUN	HOSE (WHIP HOSE)
K60PW0	Wall Mount Sprayer Only	XL6500	55 gal.	N/A	N/A
K60PH0	Sprayer Only	XL6500	5 gal. / Direct Immersion	N/A	N/A
K60PW1	Wall Mount Complete	XL6500	55 gal.	XTR7+	3/8 in. x 50 ft (1/4 in. x 6 ft)
K60PH1	Complete	XL6500	5 gal. / Direct Immersion	XTR7+	3/8 in. x 50 ft (1/4 in. x 6 ft)
K60PH2	Big 150	XL6500	5 gal. / Direct Immersion	XTR7+	3/8 in. x 150 ft (1/4 in. x 6 ft)
K60PH3	Big 250	XL6500	5 gal. / Direct Immersion	XTR7+	3/8 in. x 250 ft (1/4 in. x 6 ft)

KING® PC SPRAYER MODELS (4500 PSI)

Maximum Working Pressure: 4500 psi (31 MPa, 310 bar)

MODEL	DESCRIPTION	AIR MOTOR	SUCTION SET	GUN	HOSE (WHIP HOSE)
K45PW0	Wall Mount Sprayer Only	XL6500	55 gal.	N/A	N/A
K45PH0	Sprayer Only	XL 6500	5 gal. / Direct Immersion	N/A	N/A
K45PW1	Wall Mount Complete	XL6500	55 gal.	XTR5+	3/8 in. x 50 ft (1/4 in. x 6 ft)
K45PH1	Complete	XL6500	5 gal. / Direct Immersion	XTR5+	3/8 in. x 50 ft (1/4 in. x 6 ft)
K45PH2	Big 150	XL6500	5 gal. / Direct Immersion	XTR5+	3/8 in. x 150 ft (1/4 in. x 6 ft)
K45PH3	Blg 250	XL6500	5 gal. / Direct Immersion	XTR5+	3/8 in. x 250 ft (1/4 in. x 6 ft)

MODELS

KING® PC SPRAYER MODELS (3800 PSI)

Maximum Working Pressure: 3800 psi (26.2 MPa, 262 bar)

MODEL	DESCRIPTION	AIR MOTOR	SUCTION SET	GUN	HOSE (WHIP HOSE)
K40PW0	Wall Mount Sprayer Only	XL3400	55 gal.	N/A	N/A
K40PH0	Sprayer Only	XL 3400	5 gal. / Direct Immersion	N/A	N/A
K40PW1	Wall Mount Complete	XL6500	55 gal.	XTR5+	3/8 in. x 50 ft (1/4 in. x 6 ft)
K40PH1	Complete	XL 3400	5 gal. / Direct Immersion	XTR5+	3/8 in. x 50 ft (1/4 in. x 6 ft)
K40PH6	Air-Assist	XL 3400	5 gal. / Direct Immersion	PerformAA®	1/4 in. x 50 ft 5/16 in. x 50 ft (air hose)

KING® PC SPRAYER MODELS (3150 PSI)

Maximum Working Pressure: 3150 psi (21.7 MPa, 217 bar)

MODEL	DESCRIPTION	AIR MOTOR	SUCTION SET	GUN	HOSE (WHIP HOSE)
K30PW0	Wall Mount Sprayer Only	XL3400	55 gal.	N/A	N/A
K30PH0	Sprayer Only	XL 3400	5 gal. / Direct Immersion	N/A	N/A
K30PW1	Wall Mount Complete	XL6500	55 gal.	XTR5+	3/8 in. x 50 ft (1/4 in. x 6 ft)
K30PH1	Complete	XL 3400	5 gal. / Direct Immersion	XTR5+	3/8 in. x 50 ft (1/4 in. x 6 ft)

APPROVALS FOR KING® PC MODELS



II 2 G Ex h IIC 230°C (T2) Gb X

RELATED MANUALS

Additional documents are available to support the operation, repair, and maintenance of the King® PC Spray Packages and Pumps. Find English manuals and any available translations at www.graco.com.

Table 2-1: Related Manuals for King PC Spray Packages and Pumps Instruction Manual X040210

ENGLISH MANUAL	DESCRIPTION
3A5423	XL™ 6500 and 3400 Air Motors, Instructions
3A0293	Air Controls, Instructions - Parts
X020224	Endurance™ ProConnect® Displacement Pumps, Repair
334644	XL™ 10000 Air Motor, Instructions
3A7496	XTR5+™ and XTR7+™ Airless Spray Gun, Instructions
3A2799	XHF™ Spray Gun, Instructions
3A5269	GH933 250 Foot Hose Kits, Instructions

TRANSLATED MANUALS

Additional language documents are available to support all regions where the King® PC Spray Packages and Pumps are sold. Find any available translations at www.graco.com.

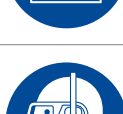
Table 2-2: Translations for King PC Spray Packages and Pumps Instruction Manual

LANGUAGE	MANUAL NUMBER
Chinese	X040210ZH
Dutch	X040210NL
English	X040210EN
French	X040210FR
German	X040210DE
Italian	X040210IT
Japanese	X040210JA
Korean	X040210KO
Polish	X040210PL
Portuguese	X040210PT
Romanian	X040210RO
Spanish	X040210ES
Swedish	X040210SV
Turkish	X040210TR

SAFETY SYMBOLS

The following safety symbols appear throughout this manual and on warning labels. Read the table below to understand what each symbol means.

SYMBOL	MEANING
	Crush Hazard
	Equipment Misuse Hazard
	Fire and Explosion Hazard
	Moving Parts Hazard
	Skin Injection Hazard
	Skin Injection Hazard
	Splash Hazard
	Toxic Fluid or Fumes Hazard
	Do Not Place Hands or Other Body Parts Near Fluid Outlet
	Do Not Put Hand in Front of Spray Tip

SYMBOL	MEANING
	Do Not Stop Leaks with Hand, Body, Glove or Rag
	Do Not Wipe with a Dry Cloth
	Eliminate Ignition Sources
	Follow Pressure Relief Procedure
	Ground Equipment
	Read Manual
	Ventilate Work Area
	Wear Personal Protective Equipment

SAFETY SYMBOLS



Safety Alert Symbol

This symbol indicates: Attention! Become Alert! Look for this symbol throughout the manual to indicate important safety messages.

GENERAL WARNINGS

The following warnings apply throughout this manual. Read, understand, and follow the warnings before using this equipment. Failure to follow these warnings can result in serious injury.



WARNING



FIRE AND EXPLOSION HAZARD

Flammable fumes, such as solvent and paint fumes, **in work area** can ignite or explode. Paint or solvent flowing through the equipment can cause static sparking. To help prevent fire and explosion:



- Use equipment only in well-ventilated area.



- Eliminate all ignition sources, such as pilot lights, cigarettes, portable electric lamps, and plastic drop cloths (potential static sparking).



- Ground all equipment in the work area. See **Grounding** instructions.
- Never spray or flush solvent at high pressure.
- Keep work area free of debris, including solvent, rags and gasoline.
- Do not plug or unplug power cords, or turn power or light switches on or off when flammable fumes are present.
- Use only grounded hoses.
- Hold gun firmly to side of grounded pail when triggering into pail. Do not use pail liners unless they are anti-static or conductive.
- **Stop operation immediately** if static sparking occurs or you feel a shock. Do not use equipment until you identify and correct the problem.
- Keep a working fire extinguisher in the work area.



FIRE AND EXPLOSION HAZARD

Static charge may build up on plastic parts during cleaning and could discharge and ignite flammable vapors. To help prevent fire and explosion:

- Clean plastic parts only in well-ventilated area.
- Do not clean with a dry cloth.
- Do not operate electrostatic guns in equipment work area.

! WARNING



SKIN INJECTION HAZARD

High-pressure fluid from gun, hose leaks, or ruptured components will pierce skin. This may look like just a cut, but it is a serious injury that can result in amputation. **Get immediate surgical treatment.**



- Do not spray without tip guard and trigger guard installed.



- Engage trigger lock when not spraying.



- Do not point gun at anyone or at any part of the body.



- Do not put your hand over the spray tip.

- Do not stop or deflect leaks with your hand, body, glove, or rag.

- Follow the **Pressure Relief Procedure** when you stop spraying and before cleaning, checking, or servicing equipment.

- Tighten all fluid connections before operating the equipment.

- Check hoses and couplings daily. Replace worn or damaged parts immediately.



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.

- Equipment can start without warning. Before checking, moving, or servicing equipment, follow the **Pressure Relief Procedure** and disconnect all power sources.

WARNING



EQUIPMENT MISUSE HAZARD

Misuse can cause death or serious injury.

- Do not operate the unit when fatigued or under the influence of drugs or alcohol.
- Do not exceed the maximum working pressure or temperature rating of the lowest rated system component. See **Technical Specifications** in all equipment manuals.
- Use fluids and solvents that are compatible with equipment wetted parts. See **Technical Specifications** in all equipment manuals. Read fluid and solvent manufacturer's warnings. For complete information about your material, request Safety Data Sheets (SDSs) from distributor or retailer.
- Do not leave the work area while equipment is energized or under pressure.
- Turn off all equipment and follow the **Pressure Relief Procedure** when equipment is not in use.
- Check equipment daily. Repair or replace worn or damaged parts immediately with genuine manufacturer's replacement parts only.
- 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.
- Use equipment only for its intended purpose. Call your distributor for information.
- Route hoses and cables away from traffic areas, sharp edges, moving parts, and hot surfaces.
- Do not kink or overbend hoses or use hoses to pull equipment.
- Keep children and animals away from work area.
- Comply with all applicable safety regulations.



TOXIC FLUID OR FUMES HAZARD

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

- Read Safety Data Sheets (SDSs) to know the specific hazards of the fluids you are using.
- Store hazardous fluid in approved containers, and dispose of it according to applicable guidelines.



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. 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.

TECHNICAL SPECIFICATIONS

The table provides important information related to the King® PC Spray Packages and Pumps, including product attributes, measurements, and performance characteristics that support the use of the equipment.

Table 5-1: Technical Specifications for King PC Spray Packages and Pumps

	US	METRIC
Maximum Air Inlet Pressure to Sprayer	150 psi	1 MPa, 1.03 bar
Stroke Length (nominal)	4.75 in.	12 cm
Maximum Pump Speed (Do not exceed maximum recommended speed of fluid pump, to prevent premature pump wear)	60 cycles per minute	
Sounds Data	See Xtreme XL Motor manual for sound data.	
Air Inlet Size	1 in. NPTF	
Fluid Inlet Size (Number of Inlets)		
All Endurance™ ProConnect® Pumps (1)	1 1/4 NPTM	
Fluid Outlet Size (Number of Outlets)		
Endurance ProConnect Pumps (1)	3/4 in. NPTF	
Maximum Air Operating Pressure		
K30 – K70 Sprayers	100 psi	0.7 MPa, 7 bar
K71 Sprayers	100 psi	0.7 MPa, 7 bar
K90 Sprayers	80 psi	0.55 MPa, 5.5 bar
Maximum Fluid Working Pressure		
90:1 Sprayer	7250 psi	50 MPa, 500 bar
70:1 Sprayer	7250 psi	50 MPa, 500 bar
71:1 Sprayer	7250 psi	50 MPa, 500 bar
60:1 Sprayer	6000 psi	41.4 MPa, 414 bar
45:1 Sprayer	4500 psi	31 MPa, 310 bar
40:1 Sprayer	3800 psi	26.2 MPa, 262 bar
30:1 Sprayer	3150 psi	21.7 MPa, 217 bar
Weight: Heavy Duty Cart		
K30	165.8 lb	75.2 kg
K40	162.8 lb	73.8 kg
K45	185.8 lb	84.3 kg

TECHNICAL SPECIFICATIONS

	US	METRIC
K60	184.8 lb	83.8 kg
K70	181.8 lb	82.4 kg
K71	235 lb	106.6 kg
K90	178.8 lb	81.1 kg
Storage		
Maximum Storage Time	5 years	
Storage Maintenance	To maintain original performance, replace soft seals after 5 years of inactivity.	
Ambient Storage Temperature Range	30 – 160°F	1 – 71°C
Lifespan		
Lifetime Use	Lifetime varies with use, materials sprayed, storage methods, and maintenence. Life minimum is 25 years.	
Lifetime Service Maintenance	Replace leather packings every 5 years, or less, based on use.	
Graco Four-Character Date Code		
Example: A18B	Month (first character) A = January, Year (second character) 18 = 2018, Series (fourth character) - serial control number	
Materials of Constructions		
Wetted Materials	Plated carbon steel, stainless steels, carbide, ductile iron, PTFE, leather	
Notes		
All trademarks or registered trademarks are the property of their respective owners.		

PRESSURE RATIO OVERVIEW

⚠ WARNING




To help prevent injury from excessive fluid pressure, do not exceed the rated fluid working pressure of your pump. The air inlet pressure must be set based on the air motor and pump lower sizes. A smaller displacement (cc) pump lower will generate a higher fluid working pressure at the same inlet air pressure. When increasing the air inlet pressure or changing Endurance ProConnect pump lowers, always check the pressure ratio identification label on your air motor for the fluid working pressure that will result from the change.

King PC models with XL3400 and XL6500 air motors can be used with several Endurance ProConnect displacement pump lowers having different fluid output capacities. In order to stay below the pump's maximum fluid working pressure, you must be aware of the pressure generated by your specific air motor and lower configuration in combination with your air inlet pressure setting. Look for the pressure ratio identification label on the air motor shroud for information that will help you determine the fluid working pressure. For example, a King PC with an XL6500 air motor and a 180 cc lower with an air inlet pressure of 100 psi will result in a fluid working pressure of 7250 psi.

NOTE:

The pump lower's displacement capacity (cc) can be found on the lower's cylinder.

AIR MOTOR XL3400

LOWER	PRESSURE RATIO	MAX WPR (Mpa, BAR, PSI)	
		AIR	FLUID
145cc	47:1	0.7, 7, 100	32.3, 323, 4690
180cc	40:1	0.7, 7, 100	26.2, 262, 3800
220cc	30:1	0.7, 7, 100	21.7, 217, 3150
290cc	25:1	0.7, 7, 100	16.4, 164, 2375

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AIR MOTOR XL6500

LOWER	PRESSURE RATIO	MAX WPR (Mpa, BAR, PSI)	
		AIR	FLUID
145cc	90:1	0.55, 5.5, 80	50.0, 500, 7250
180cc	70:1	0.7, 7, 100	50.0, 500, 7250
220cc	60:1	0.7, 7, 100	41.4, 414, 6000
290cc	45:1	0.7, 7, 100	31.0, 310, 4500

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King PC models with an XL10000 air motor can only be used with a dedicated high pressure 290 cc displacement lower. Smaller capacity lowers are not compatible with the XL10000 air motor.

COMPONENT IDENTIFICATION

The diagram highlights the controls and features on the King® PC Spray Packages and Pumps that are used during typical operation.

CART MOUNT SYSTEMS

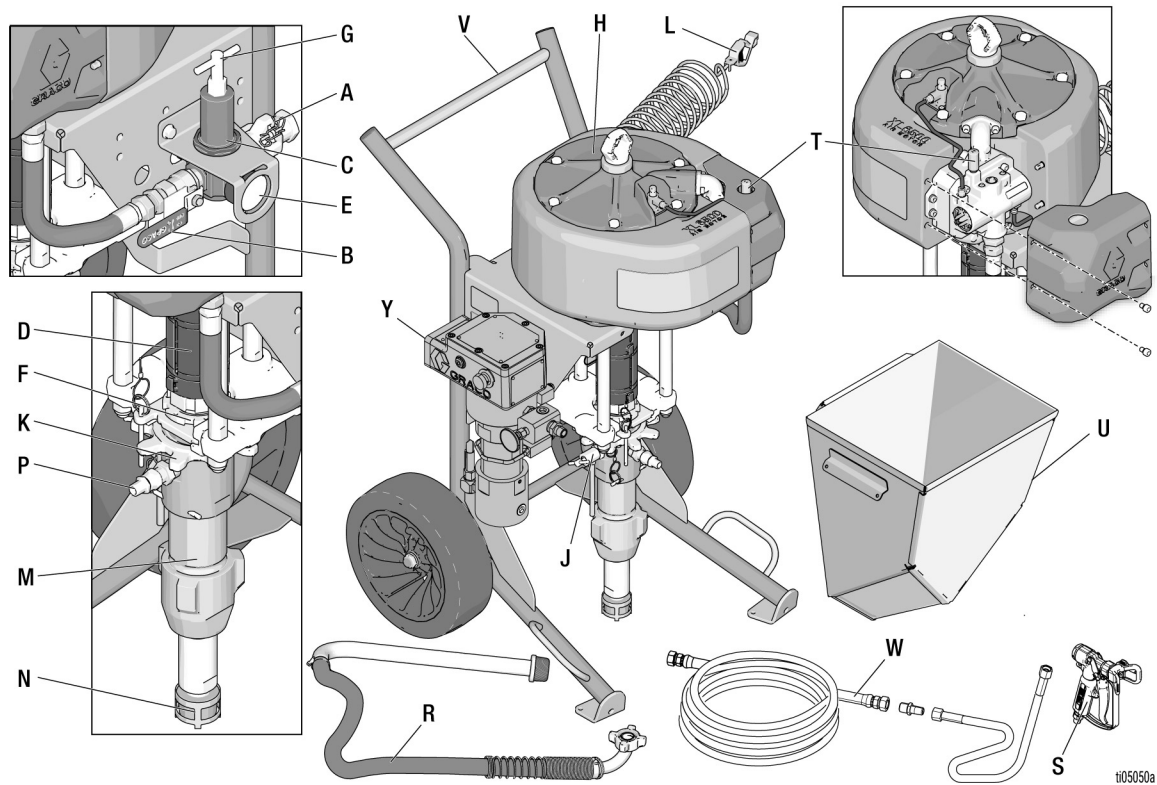


Figure 7-1: Components for Cart Mount Systems

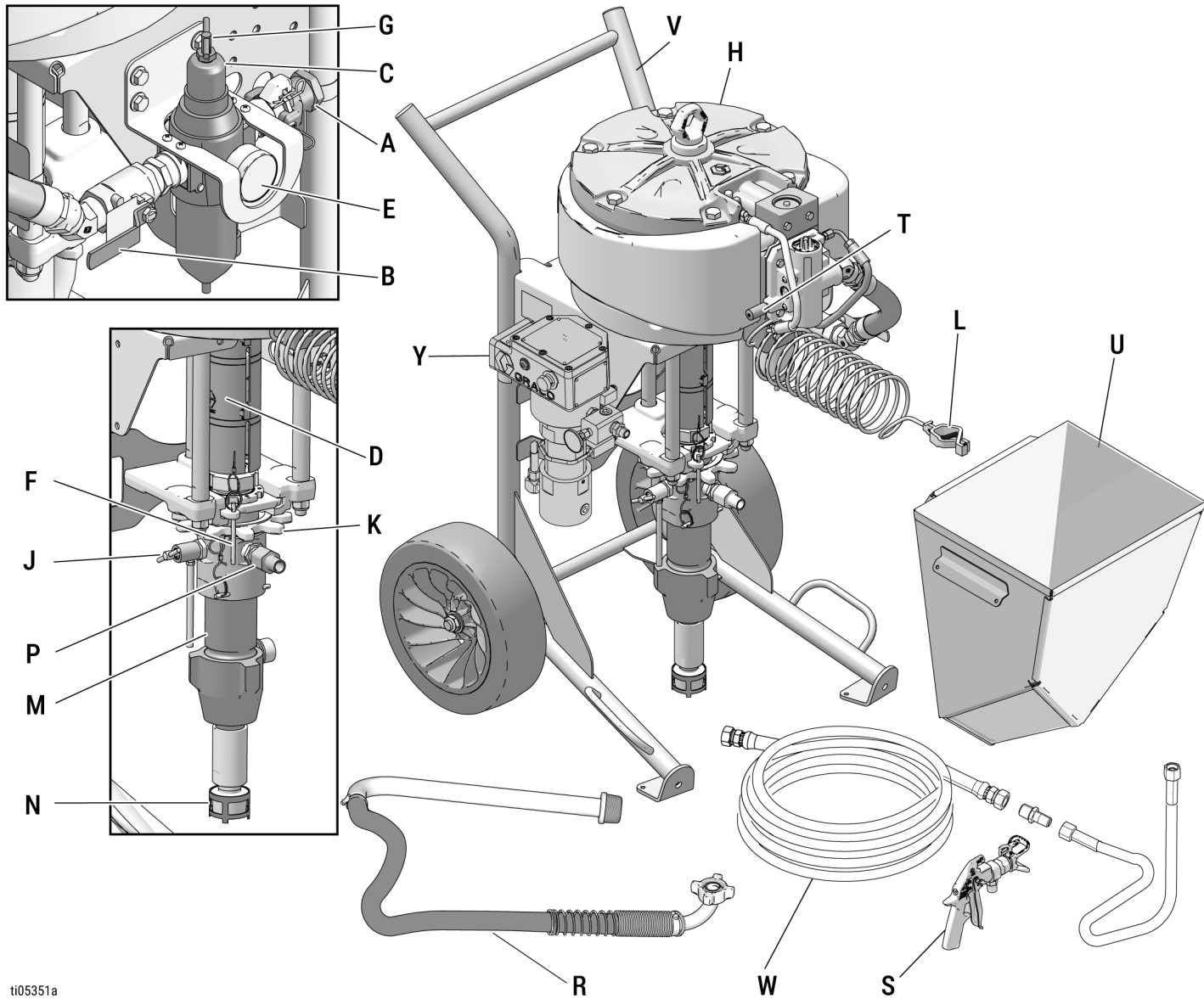
COMPONENT IDENTIFICATION

KEY

- A Air Inlet on Claw Fitting, 3/4 in. NPTF
- B Bleed-Type Master Air Valve (required)
- C Air Pressure Relief Valve (required)
- D Pump Guard
- E Air Pressure Gauge
- F Packing Nut
- G Air Regulator Adjustment Knob
- H Air Motor
- J Fluid Drain / Purge Valve / Second Fluid Outlet
- K Star Nut
- L Grounding Wire (required)
- M Pump Lower
- N Direct Immersion Fluid Intake
- P Pump Fluid Outlet
- R Suction Tube
- S Spray Gun
- T De-Ice Control (Bleed Air)
- U Hopper (if equipped)
- V Cart
- W Fluid Hose
- Y Heater (if equipped)

COMPONENT IDENTIFICATION

K71PH0 CART MOUNT SYSTEM



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Figure 7-2: Components for K71PH0 Cart Mount System

COMPONENT IDENTIFICATION

KEY

A	Air Inlet on Claw Fitting, 1 in. NPTF
B	Bleed-Type Master Air Valve (required)
C	Air Pressure Relief Valve (required)
D	Pump Guard
E	Air Pressure Gauge
F	Packing Nut
G	Air Regulator Adjustment Knob
H	Air Motor
J	Fluid Drain / Purge Valve / Second Fluid Outlet
K	Star Nut
L	Grounding Wire (required)
M	Pump Lower
N	Direct Immersion Fluid Intake
P	Pump Fluid Outlet
R	Suction Tube
S	Spray Gun
T	De-Ice Control (Bleed Air)
U	Hopper (if equipped)
V	Cart
W	Fluid Hose
Y	Heater (if equipped)

COMPONENT IDENTIFICATION

WALL MOUNT SYSTEMS

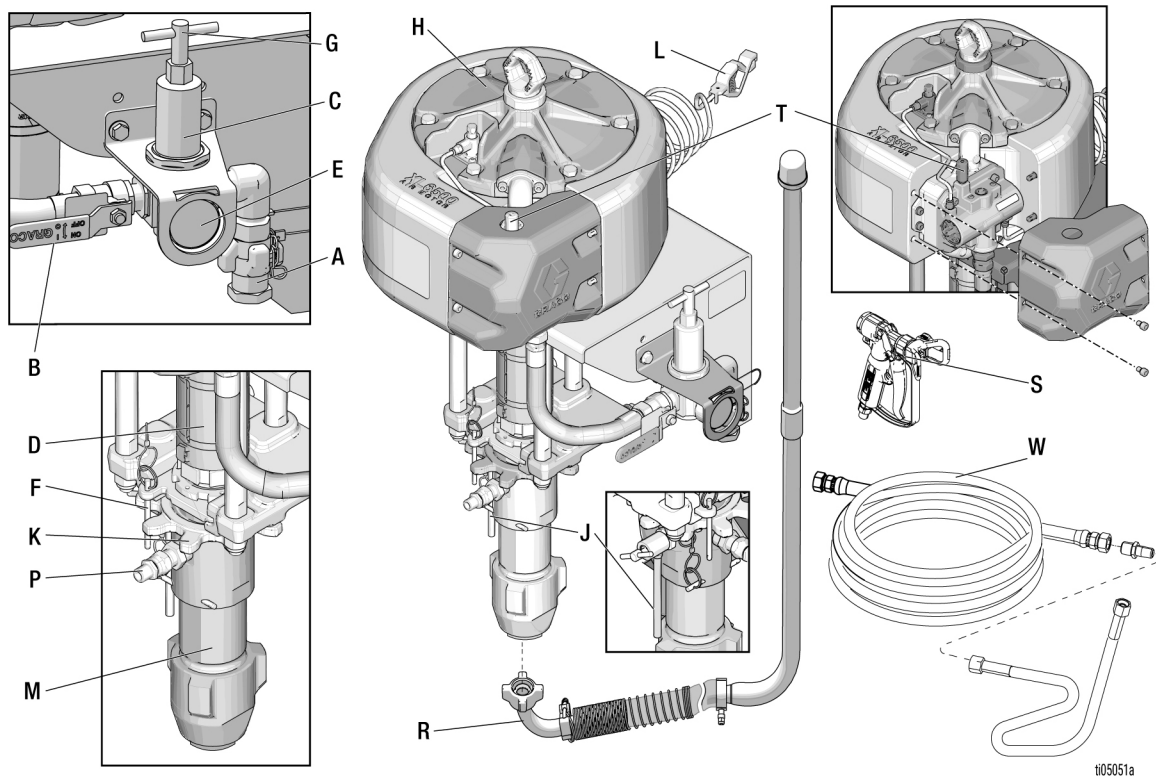


Figure 7-3: Components for Wall Mount Systems

COMPONENT IDENTIFICATION

KEY

- A Air Inlet on Claw Fitting, 1 in. NPTF
- B Bleed-Type Master Air Valve (required)
- C Air Pressure Relief Valve (required)
- D Pump Guard
- E Air Pressure Gauge
- F Packing Nut
- G Air Regulator Adjustment Knob
- H Air Motor
- J Fluid Drain / Purge Valve / Second Fluid Outlet
- K Star Nut
- L Grounding Wire (required)
- M Pump Lower
- P Pump Fluid Outlet
- R Suction Tube
- S Spray Gun
- T De-Ice Control (Bleed Air)
- W Fluid Hose

SYSTEM COMPONENTS

* Required system components.

* BLEED-TYPE MASTER AIR VALVE (B)

 WARNING				
				
Trapped air can cause the pump to cycle unexpectedly, which could result in serious injury from moving parts or splashing. Perform the Pressure Relief Procedure to remove trapped air.				

- Ensure the Bleed-Type Master Air Valve is easily accessible from the pump and located downstream from the air regulator.
- Bleed-Type Master Air Valve is required in your system to relieve air trapped between the valve and the air motor when the valve is closed.
 - Open the valve to supply air to the motor.
 - Close the valve to supply air to the motor, and bleed any trapped air from the motor.

* AIR PRESSURE RELIEF VALVE (C)

Automatically opens to relieve air pressure if the supplied pressure exceeds the preset limits. Located on the backside of air regulator.

AIR REGULATOR ADJUSTMENT KNOB (G)

Adjusts air pressure to the motor and fluid outlet pressure of the pump. Locate Air Regulator Adjustment Knob close to the pump. Read air pressure on the Air Pressure Gauge (E).

* FLUID DRAIN/PURGE VALVE/SECOND FLUID OUTLET (J)

Open valve to relieve pressure, and when flushing or priming pump. Close valve when spraying.

DE-ICE CONTROL (T)

Open the De-Icing Control to reduce icing.

INSTALLATION

Properly install the King® PC Spray Packages and Pumps equipment to ensure optimal performance during use.

When spraying in enclosed areas, such as storage tanks, locate the pump outside the area.

WALL MOUNT ASSEMBLY

NOTE:

Before mounting any pump assembly to the wall, always follow the **Pressure Relief Procedure**.

NOTE:

Ensure the wall is strong enough to support the weight of the pump assembly and accessories, fluid hoses, and stress caused during pump operation.

1. Drill four 7/16 in. (11 mm) holes using the mounting bracket as a template. Use any of the three mounting hole groups in the bracket. See **Wall Mounting Hole Pattern**.
2. Bolt bracket securely to the wall using bolts and washers designed to hold in the construction of the wall.
3. Attach pump assembly to the mounting bracket.
4. Connect air and fluid hoses. See **Setup**.

HOPPER ASSEMBLY

1. If necessary, disconnect and remove the suction hose (NA).
2. Attach bracket (KK) to the cart (JJ) with nuts (MM) and screws (HH).
3. Loosely attach bracket (GG) to bracket (KK) with nuts (MM) and screws (HH).
4. Install elbow (PP) and fitting (BB) on the pump.
5. Install fitting (DD) and fitting (CC) on hopper (EE).

6. Connect fitting (CC) to fitting (BB). Adjust bracket (GG) height to fit under the lip on the back of the hopper (EE). Tighten nuts (MM).

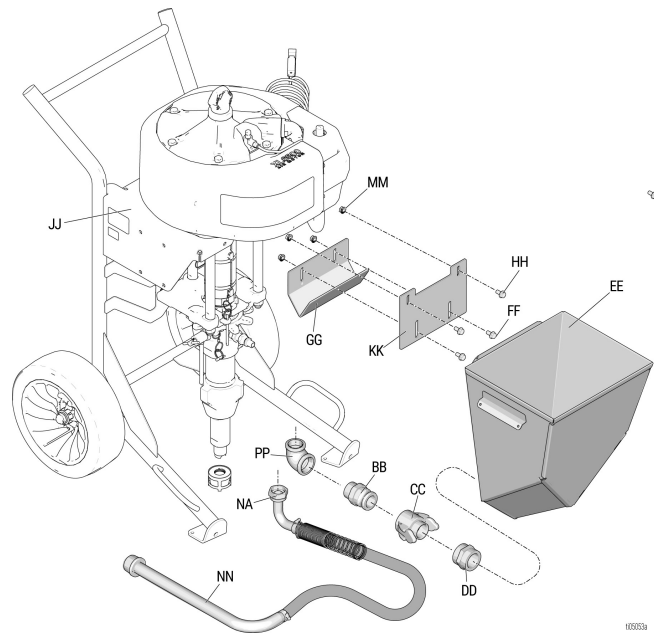


Figure 8-1: Hopper Assembly Diagram

GROUNDING

Properly ground the equipment to help ensure correct operation.

⚠ WARNING				
				
The equipment must be grounded to reduce the risk of static sparking. Static sparking can cause fumes to ignite or explode. Grounding provides an escape wire for the electric current.				

Pump: use ground wire and clamp (supplied). Connect Ground Wire (L) to ground stud on the air motor. Connect ground clamp to a true earth ground.

Air and fluid hoses: use only electrically conductive hoses with maximum of 500 ft (150 m) combined hose length to ensure grounding continuity. Check electrical resistance of hoses. If total resistance to ground exceeds 29 megohms, replace hose immediately.

Air compressor: follow manufacturer's recommendations.

Spray gun / Dispense valve: ground through connection to a properly grounded fluid hose and pump.

Fluid supply container: follow local code.

Object being sprayed: follow local code. Do not use with dispense valve.

Solvent pails used when flushing: follow local code. Use only conductive metal pails, placed on a grounded surface. Do not place the pail on a non-conductive surface, such as paper or cardboard. Non-conductive surfaces interrupt grounding continuity.

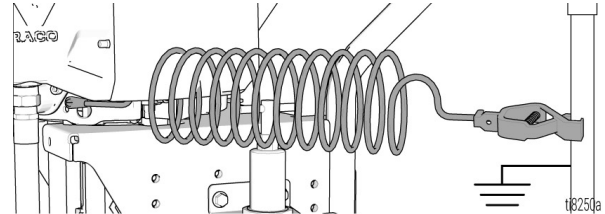
To maintain grounding continuity when flushing or relieving pressure: hold metal part of the spray gun/dispense valve firmly to the side of a grounded metal pail, then trigger the gun/valve.

GROUNDING INSTALLATION

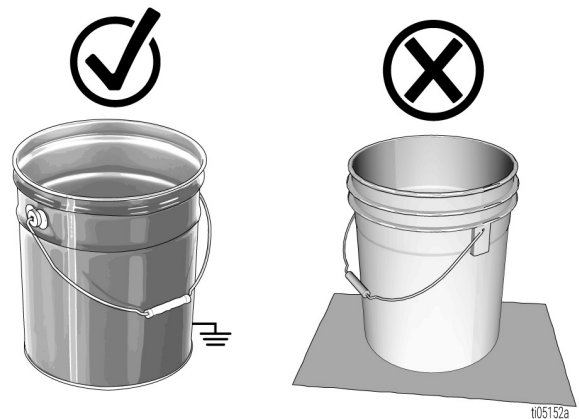
Tools Required:

- Grounding wires and clamps for pails
- Two 5 gal. (19 l) metal pails

1. Connect the Ground Wire (244524) to the ground stud on the Air Motor.



2. Connect the other end of the ground wire to a true earth ground.
3. Ground the object being sprayed, fluid supply container, and all other equipment in the work area. Follow your local code. Use only electrically conductive air and fluid hoses.
4. Ground all solvent pails. Use only metal pails, which are conductive, placed on a grounded surface. Do not place pail on a non-conductive surface, such as paper or cardboard. Non-conductive surfaces interrupt grounding continuity.



SETUP

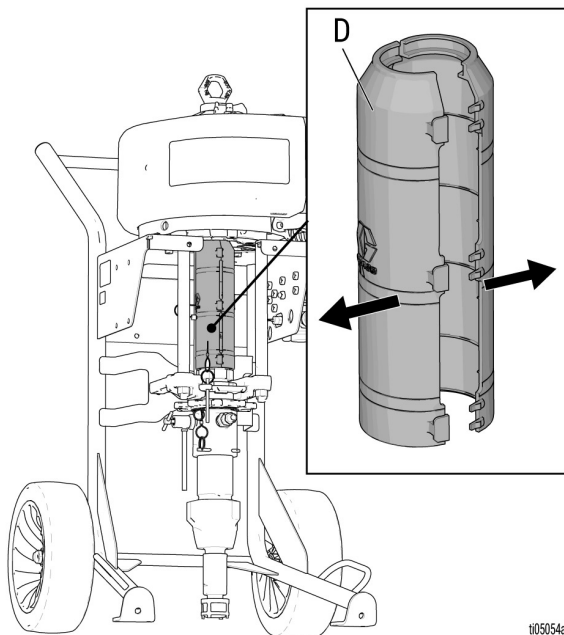
When using the equipment for the first time or after long-term storage, follow the steps to prepare the equipment for operation.

! WARNING				
				
To avoid tip-over, ensure cart is on a flat and level surface. Failure to do so could result in injury or damage to the equipment.				

Tools Required:

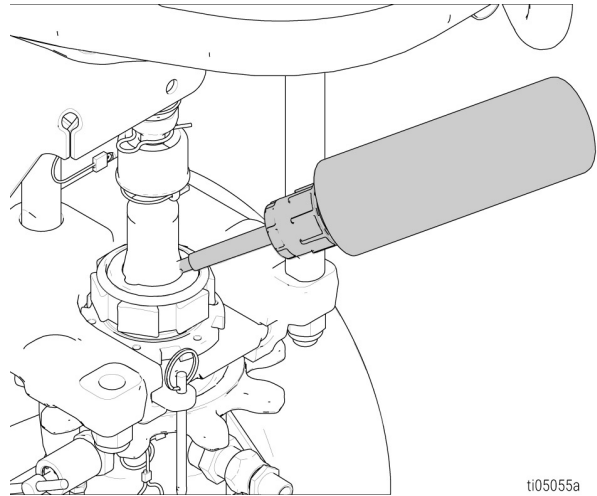
- Two adjustable wrenches
- Non-sparking hammer or plastic mallet
- Torque wrench
- Flathead screwdriver

1. Ground sprayer. See **Grounding**.
2. Use a flathead screwdriver to remove Pump Guard (D).



t105054a

3. Check Packing Nut. Remove Packing Nut cover and fill with Throat Seal Liquid (TSL™). Replace cover and torque Packing Nut to 100-110 ft-lb (135-150 N·m).

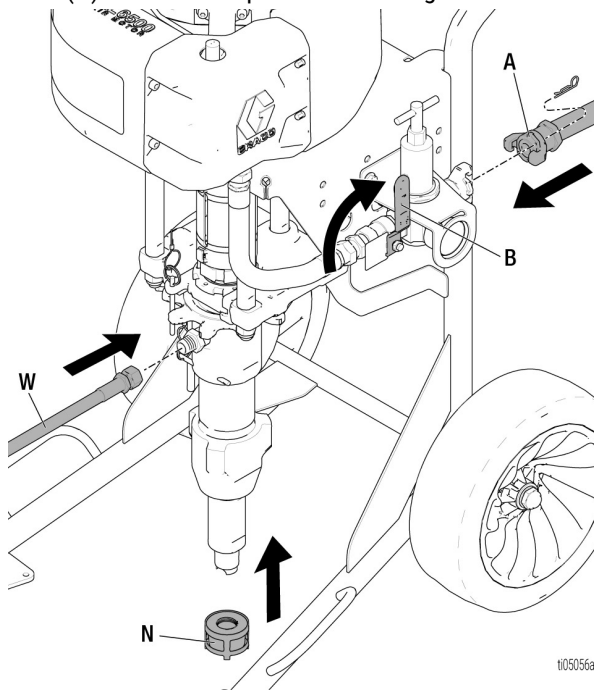


t105055a

4. Replace Pump Guard.
5. Attach Direct Immersion Fluid Intake (N) or Suction Hose (R) and tighten.
6. Attach electrically conductive Fluid Hose (W) to the Pump Fluid Outlet (P) and tighten.
7. Attach electrically conductive Fluid Hose (W) (and air hose if using an air-assisted gun) to gun and tighten. Ensure all pressure connections are tight.

SETUP

8. Close the Bleed-Type Master Air Valve (B). Purge the air supply hose. Attach the whip check cable to the air supply hose and connect to 3/4 in. NPTF Air Inlet (A). Pull the whip check cable tight.



9. Flush and prime before using the equipment. See **Flushing Procedure** and **Prime** procedure.

OPERATION

The instructions provide guidance on how to use the equipment.

PRESSURE RELIEF PROCEDURE

Relieve pressure on the equipment when operation is stopped, and before cleaning, checking, or servicing the equipment.



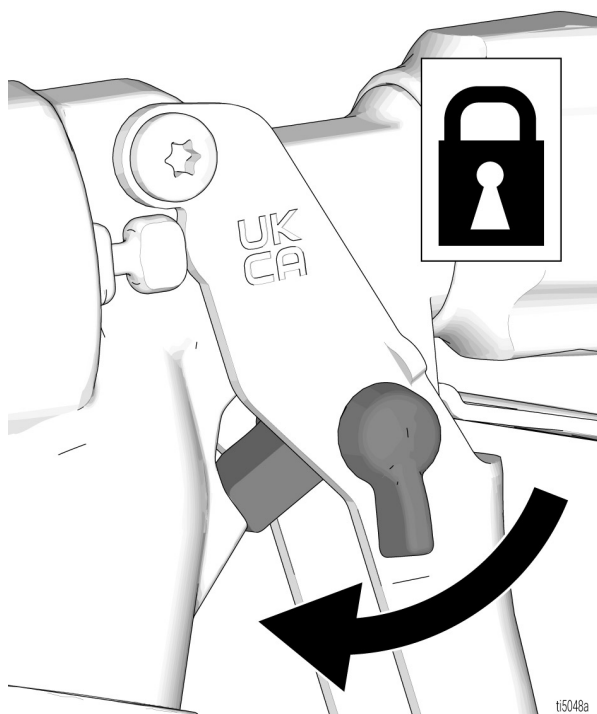
Follow the Pressure Relief Procedure whenever you see this symbol.

WARNING

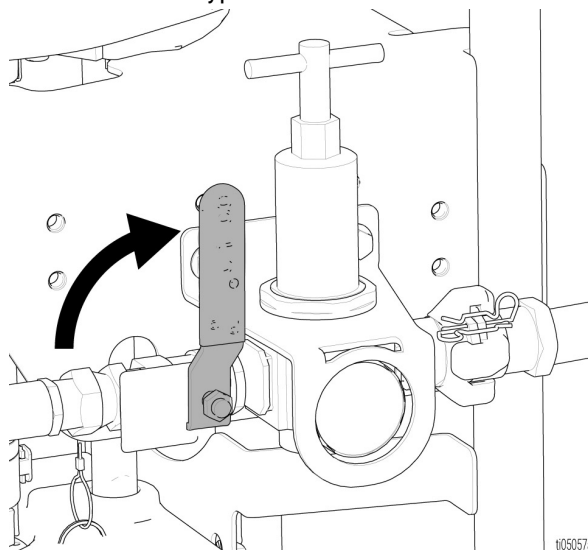


This equipment stays pressurized until pressure is manually relieved. To help prevent serious injury from pressurized fluid, such as skin injection, splashing fluid and moving parts, follow the **Pressure Relief Procedure** when you stop spraying and before cleaning, checking, or servicing the equipment.

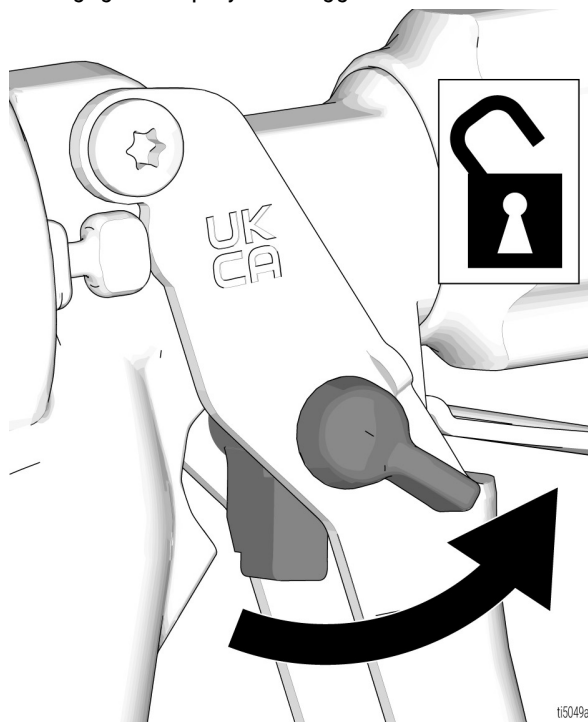
1. Engage the Spray Gun trigger lock.



2. Close the Bleed-Type Master Air Valve.



3. Disengage the Spray Gun trigger lock.

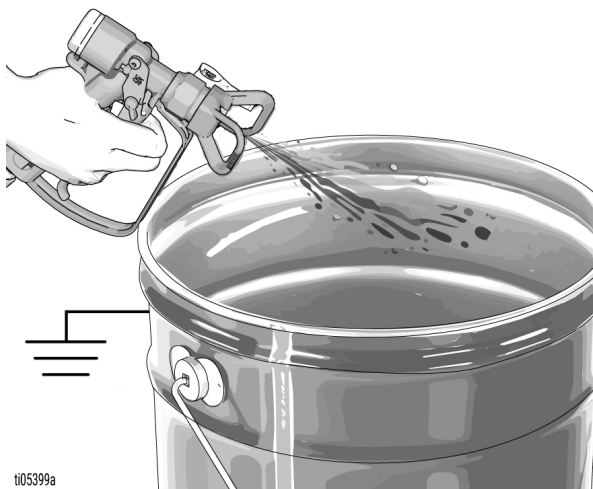


NOTE:

If using an air-assisted Spray Gun, turn the Air Regulator Adjustment Knob counterclockwise to relieve pressure.

OPERATION

4. Hold a metal part of the Spray Gun firmly to a grounded metal pail. Trigger the Spray Gun until pressure is relieved.

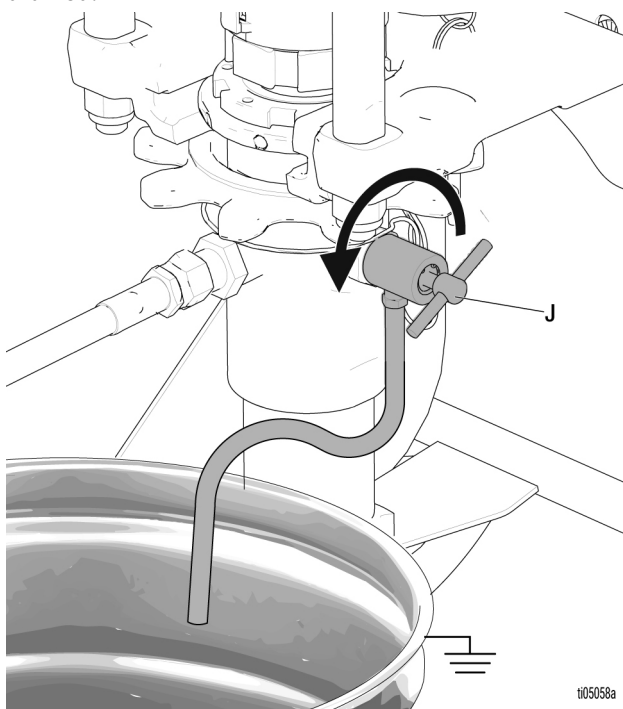


NOTE:

If fluid does not flow from the Spray Gun, see **Clear Tip Clogs**.

7. If you suspect the spray tip or hose is clogged or that pressure has not been fully relieved:
 - a. Using a wrench, VERY SLOWLY loosen the tip guard retaining nut or the hose end coupling to relieve pressure gradually.
 - b. Using a wrench, loosen the nut or coupling completely.
 - c. Clear obstruction in the hose or tip.

5. Engage the Spray Gun trigger lock.
6. Drain fluid by slowly opening all fluid drain valves, including the Fluid Drain/Purge Valve/Second Fluid Outlet (J), into a waste pail. If there is a return tube, open return line ball valve. Close valve after fluid is drained.

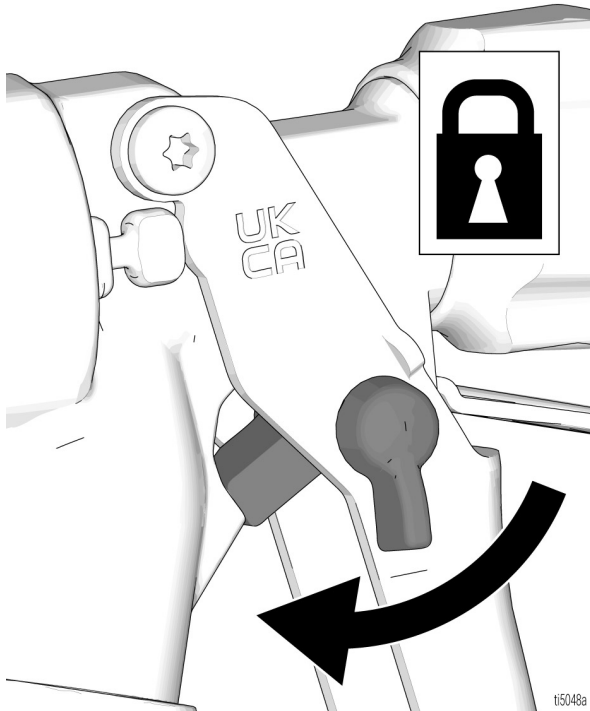


CLEAR TIP CLOGS

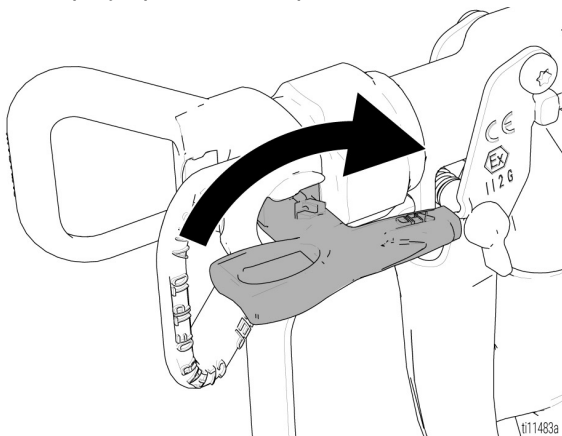
In the event that particles or debris clog the spray tip, follow the instructions to clear the obstruction.

⚠ WARNING			
To avoid serious injury from skin injection, do not put your hand in front of the spray tip or spray tip guard.			

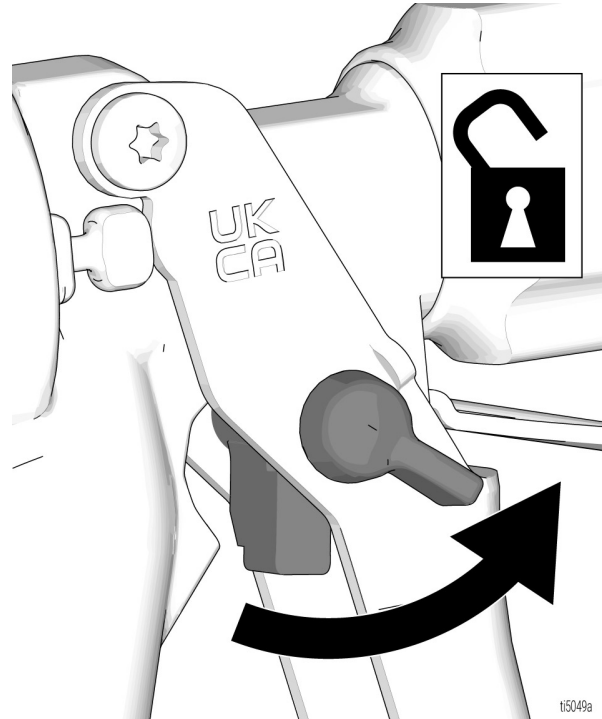
1. Release the Spray Gun trigger.
2. Engage the Spray Gun trigger lock.



3. Rotate spray tip to UNCLOG position.



4. Disengage the Spray Gun trigger lock.



5. Trigger Spray Gun into pail or onto ground to remove clog.
6. Engage the Spray Gun trigger lock.
7. Rotate spray tip to SPRAY position.



8. If spray tip is still clogged, close the Bleed-Type Master Air Valve and turn Air Regulator Adjustment Knob counterclockwise until Air Pressure Gauge reads zero.
9. Follow steps 5-7 of the **Pressure Relief Procedure**.
10. Remove and clean the spray tip.

FLUSHING PROCEDURE

Flush the equipment regularly to help prevent damage to the equipment.

⚠ WARNING			
			
To avoid fire and explosion, always ground equipment and waste container. To avoid static sparking and injury from splashing, always flush at the lowest possible pressure.			

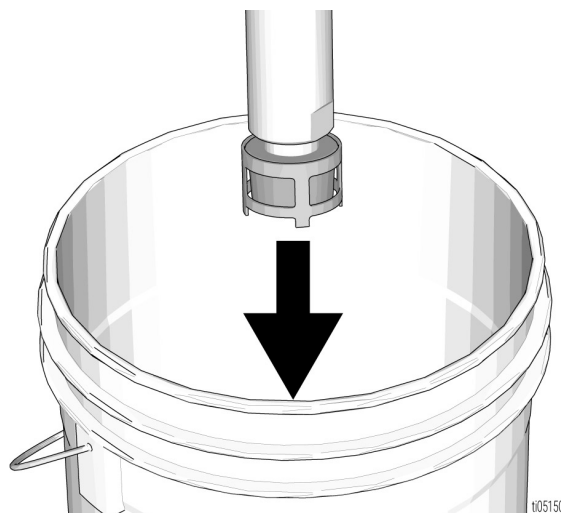
Flush the pump at the following times:

- Before first use of the equipment
- When changing fluids
- Before repairing the equipment
- Before fluid dries or settles out in a dormant pump (check the pot life of catalyzed fluids)
- At the end of the day
- Before storing the pump

Flush at the lowest possible pressure. Flush with a fluid that is compatible with the fluid you are pumping and with the wetted parts in your system. Check with your fluid manufacturer or supplier for recommended flushing fluids and flushing frequency.

1. Perform the **Pressure Relief Procedure**.
2. Remove spray tip and spray tip guard from Spray Gun.
3. If equipped and desired, remove the fluid filter from Filter Kit 16V583. Reinstall filter cap after removing the fluid filter.

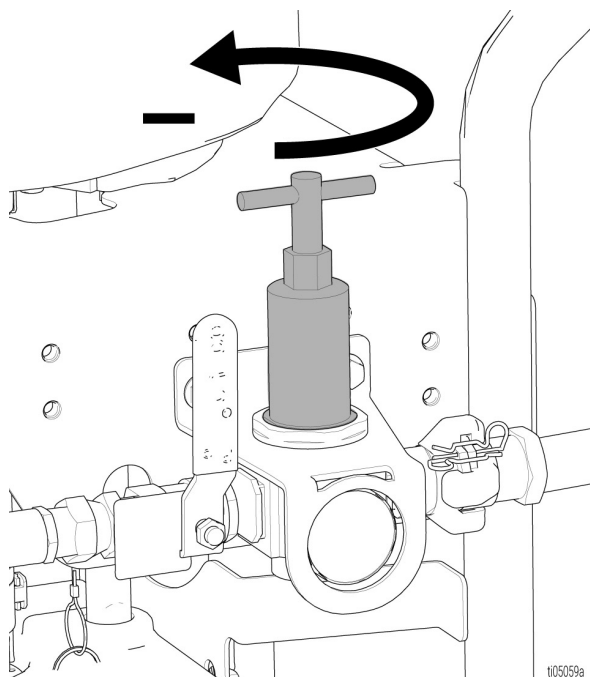
4. Place Direct Immersion Fluid Intake in a compatible solvent.



NOTE:

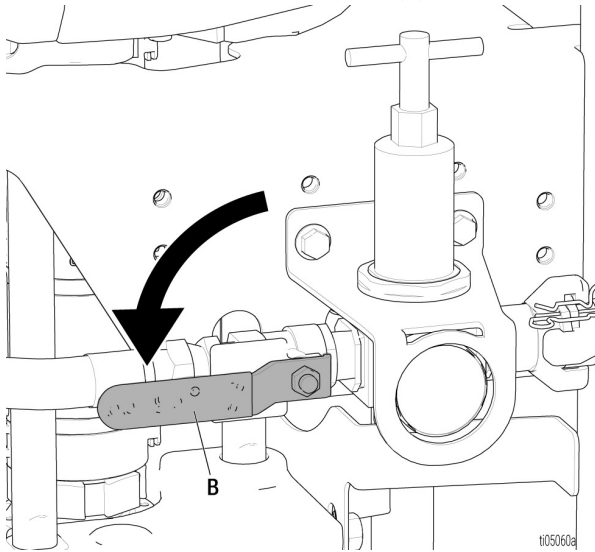
If using Suction Tube®, do not stretch hose tight. Let hose hang to assist fluid flow into the pump.

5. Turn Air Regulator Adjustment Knob counterclockwise until Air Pressure Gauge reads zero.



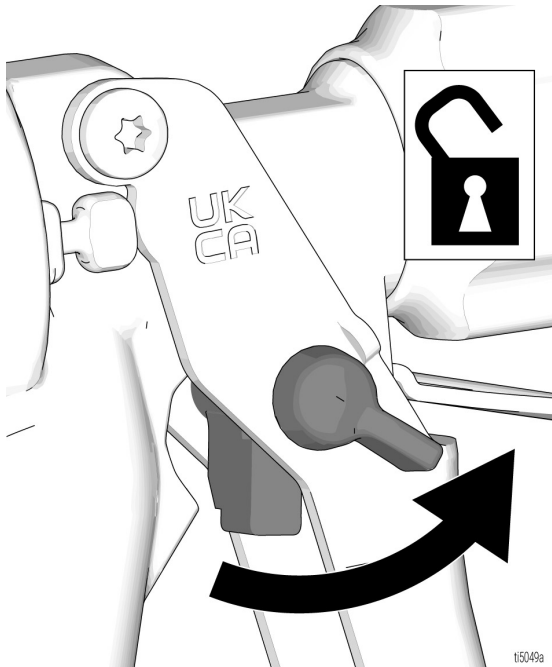
OPERATION

6. Open Bleed-Type Air Master Valve (B).

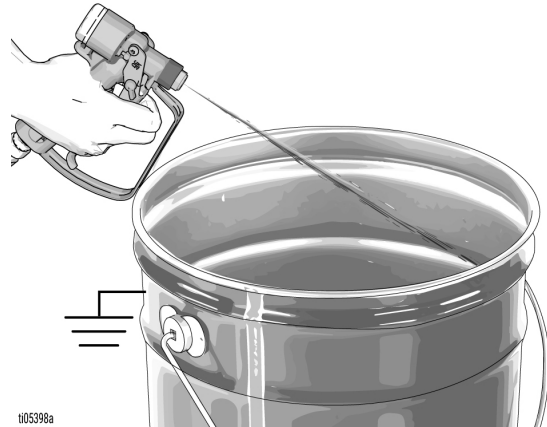


7. Flush hose and Spray Gun as follows:

- a. Disengage the Spray Gun trigger lock. Hold the Spray Gun against a grounded metal pail.



- b. Trigger Spray Gun and slowly turn the Air Regulator Adjustment Knob clockwise until pump begins to cycle and a steady stream comes from the Spray Gun. Trigger Spray Gun for 10-15 seconds during initial setup. If flushing material, trigger Spray Gun until clean solvent flows from the Spray Gun.



NOTE:

If using an air-assisted Spray Gun, increase air pressure by turning the Spray Gun regulator clockwise.

- c. After solvent is running clean, turn the Air Regulator Adjustment Knob counterclockwise until it stops and the gauge reads zero. The pump will stop. Once the material stops flowing, release the trigger and engage the Spray Gun trigger lock.

NOTE:

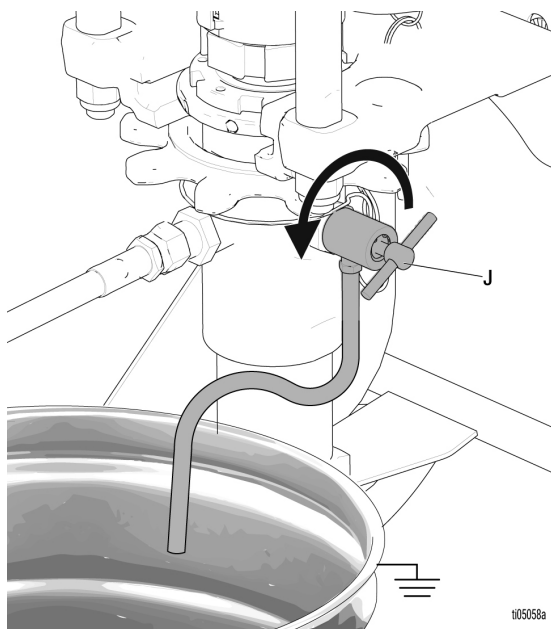
When shutting down the equipment for the day, stop the pump at the bottom of the stroke.

- d. Close the Bleed-Type Master Air Valve.

OPERATION

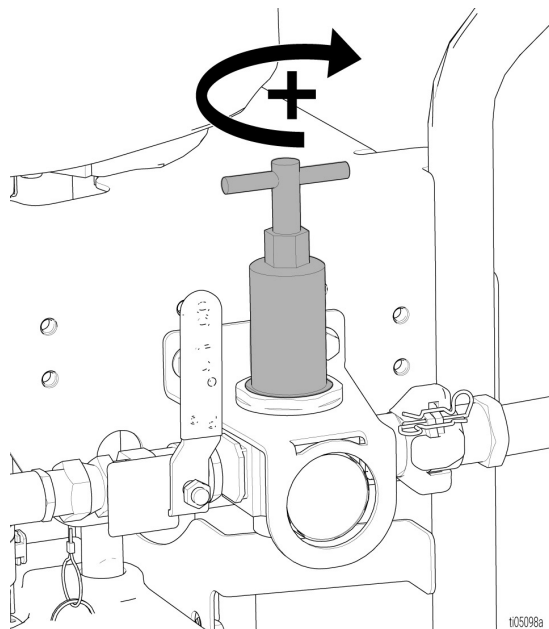
8. If the sprayer was primed using the Fluid Drain/Purge Valve (J), or the Fluid Drain/Purge Valve was used to relieve pressure at any time during operation:

- a. Place the drain tube in a grounded waste pail. Open the Fluid Drain/Purge Valve/Second Fluid Outlet (J) slightly by rotating it counterclockwise.

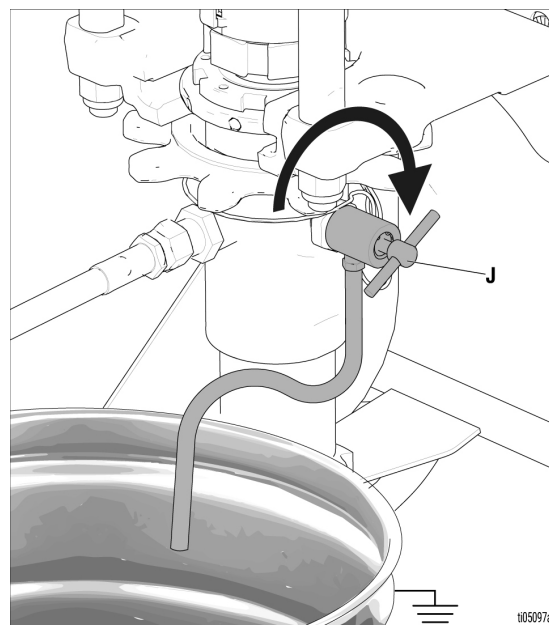


- b. Turn the Air Regulator Adjustment Knob counterclockwise until the Air Pressure Gauge reads zero.
- c. Open the Bleed-Type Master Air Valve.

- d. Start the pump by rotating the Air Regulator Adjustment Knob clockwise until pump begins to move.



- e. When clean solvent flows from the drain tube, close Fluid Drain/Purge Valve/Second Fluid Outlet (J) by rotating it clockwise. Pump will stall.



- f. Stop the pump at the bottom of the stroke.
- g. Turn the Air Regulator Adjustment Knob counterclockwise until the Air Pressure Gauge reads zero.
- h. Close the Bleed-Type Master Air Valve.

OPERATION

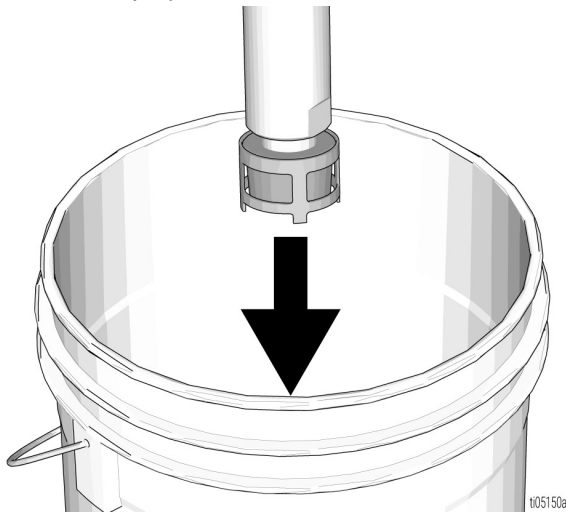
9. Perform the **Pressure Relief Procedure**.
10. If equipped, remove the fluid filter from Filter Kit 16V583 and soak in solvent. Replace filter cap.

PRIME

Prime the equipment to ensure proper operation and to help prevent damage to the equipment.



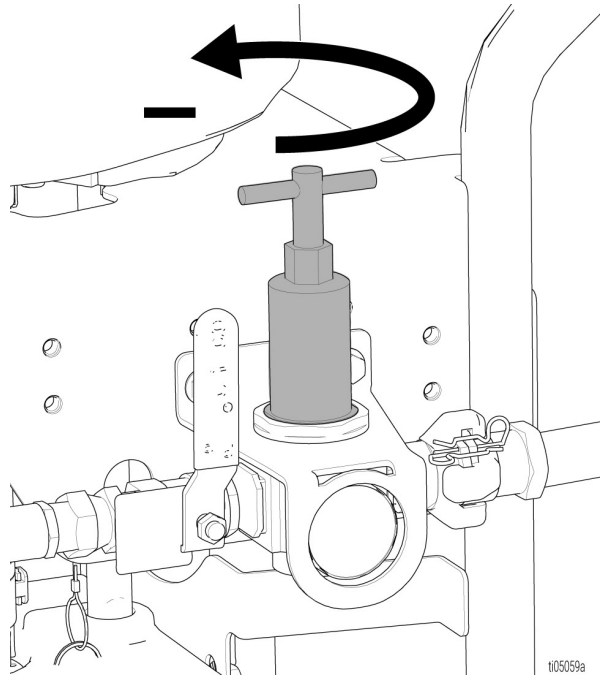
1. Perform the **Pressure Relief Procedure**.
2. Engage the Spray Gun trigger lock. Remove spray tip and spray tip guard from the Spray Gun.
3. Place Direct Immersion Intake Tube in the material that will be sprayed.



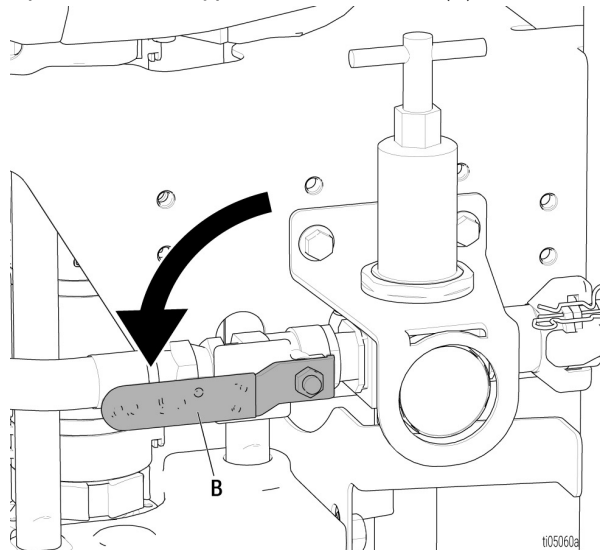
NOTE:

Do not stretch suction hose tight. Let the hose hang to assist fluid flow into the pump.

4. Turn Air Regulator Adjustment Knob counterclockwise until the Air Pressure Gauge reads zero.



5. Open the Bleed-Type Master Air Valve (B).



6. If necessary, prime through the drain valve as follows.

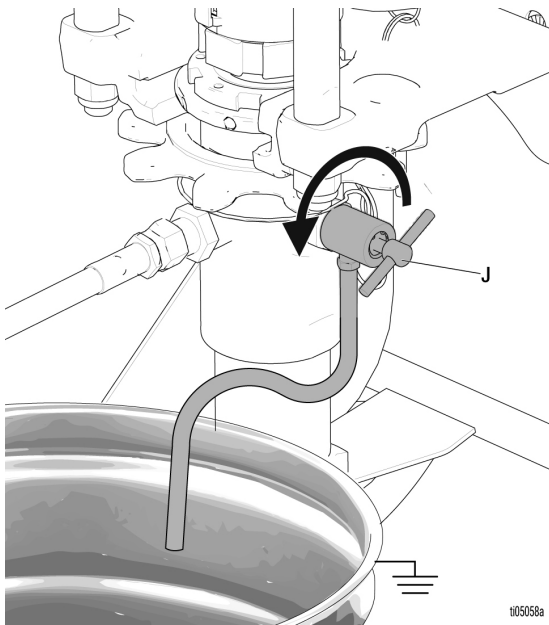
NOTE:

Priming through the Fluid Drain/Purge Valve/ Second Fluid Outlet is usually required for high viscosity materials.

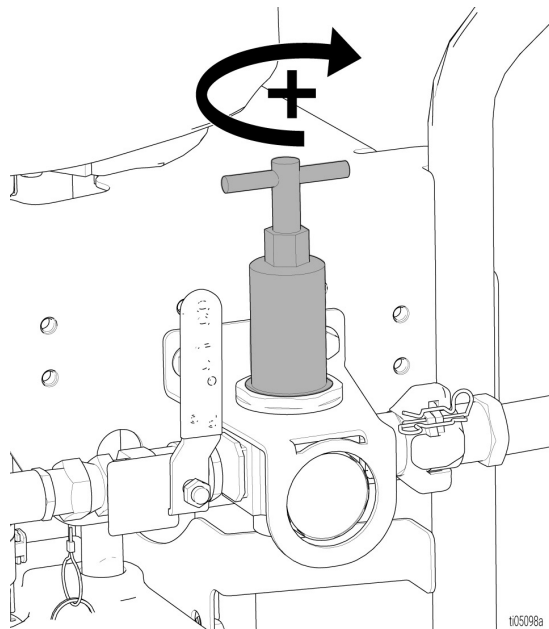
NOTICE

Do not prime the pump through the Fluid Drain/Purge Valve/Second Fluid Outlet using two-component materials. Mixed two-component materials will harden in valve and result in clogging.

- a. Place drain tube in a grounded waste pail. Open the Fluid Drain/Purge Valve/Second Fluid Outlet (J) by slightly rotating the valve counterclockwise.

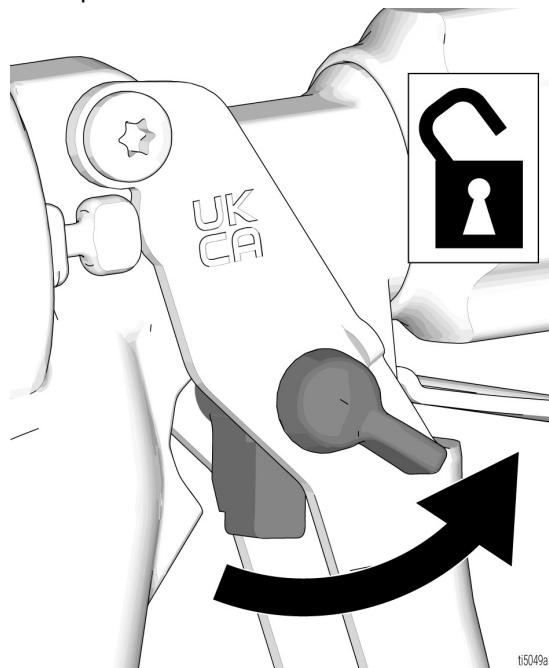


- b. Start the pump by rotating the Air Regulator Adjustment Knob clockwise until pump begins to move and a steady stream comes from the drain tube. Close the Fluid Drain/Purge Valve/Second Fluid Outlet.



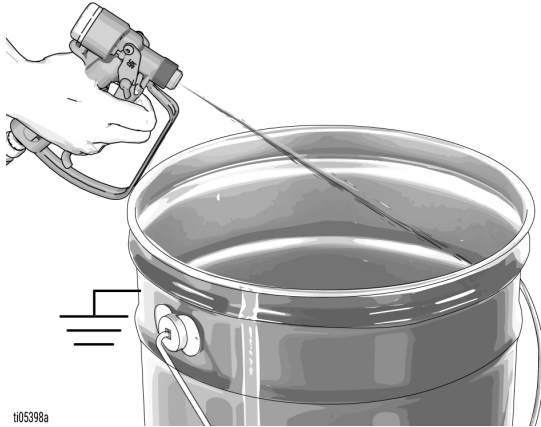
7. Prime hose and Spray Gun as follows:

- a. Disengage the Spray Gun trigger lock. Hold the metal part of the Spray Gun against a grounded metal pail.



OPERATION

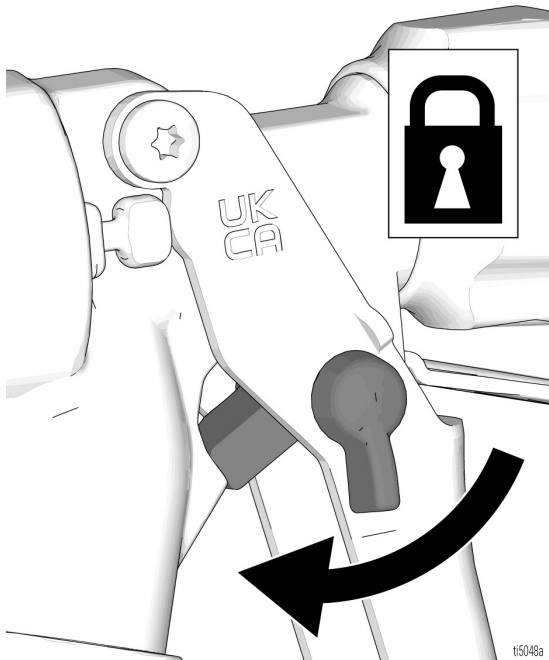
- b. Trigger Spray Gun, and slowly open the Air Regulator Adjustment Knob until pump begins to cycle and a steady stream comes from the Spray Gun. Trigger Spray Gun for 10-15 seconds.



NOTE:

If using an air-assisted Spray Gun, increase air pressure by turning the Spray Gun regulator clockwise.

- c. Engage the Spray Gun trigger lock.



NOTE:

The equipment is now ready to spray. Proceed to the **Spray** section.

S P R A Y

The instructions provide guidance on how to operate the equipment.

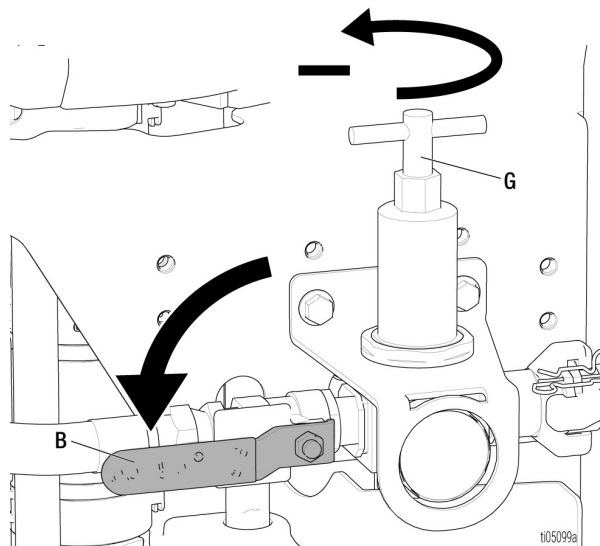
WARNING



NOTICE

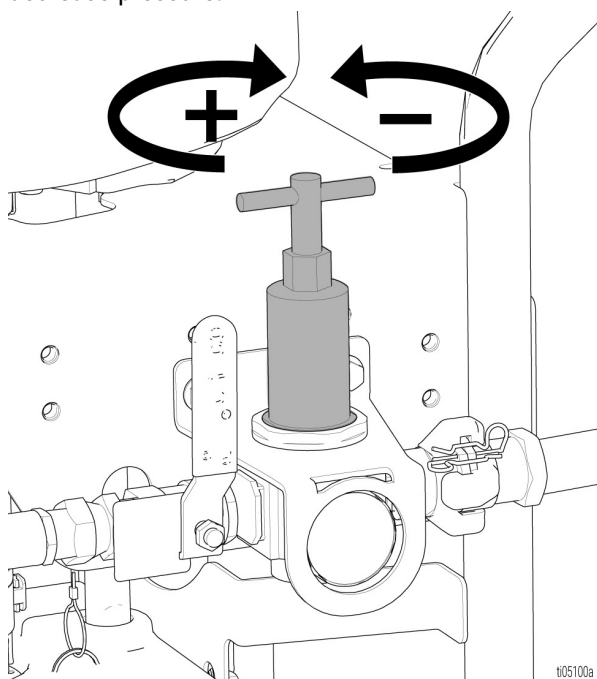
Running the pump while dry will cause the pump to quickly accelerate to a high speed and cause damage. To avoid damage, do not allow pump to run dry.

1. Perform the **Prime** procedure.
2. Perform the **Pressure Relief Procedure**.
3. Install the spray tip and spray tip guard onto the Spray Gun.
4. Turn the Air Regulator Adjustment Knob (G) counterclockwise until the Air Pressure Gauge reads zero.
5. Open the Bleed-Type Master Air Valve (B).

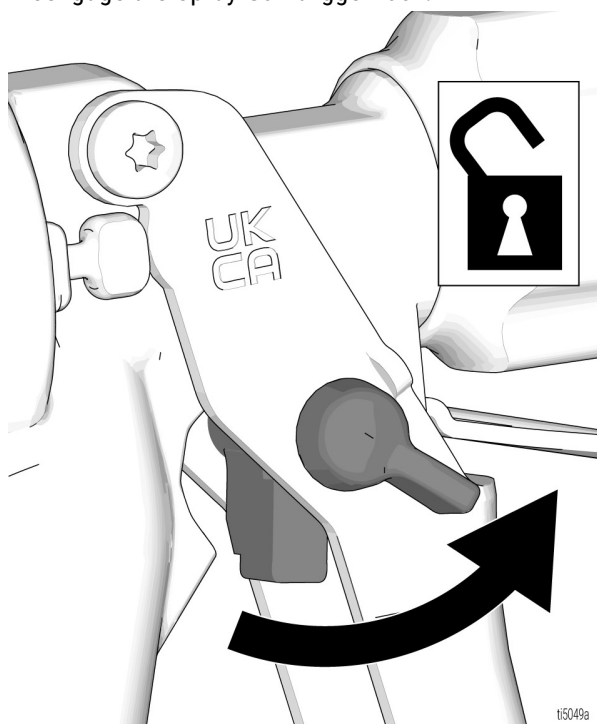


OPERATION

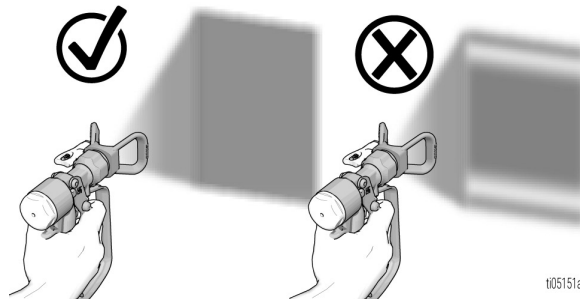
- Turn the Air Regulator Adjustment Knob until the Air Pressure Gauge reads desired pressure. Turn clockwise to increase pressure; counterclockwise to decrease pressure.



- Disengage the Spray Gun trigger lock.



- Spray a test pattern. Read fluid manufacturer's recommendations. Adjust pressure as necessary.



NOTE:

If using an air-assist Spray Gun, increase Spray Gun air pressure while testing spray pattern.

- Perform the **Flushing Procedure**.

SHUT DOWN

Properly clean and shut down the equipment to help protect parts from corrosion and damage.

WARNING



NOTICE

Leaving water or water-based fluid in the pump overnight can cause the equipment to rust or corrode. When pumping water-based fluid, flush with water first, then with a rust inhibitor such as mineral spirits. Relieve pressure, but leave rust inhibitor in pump to protect parts from corrosion.

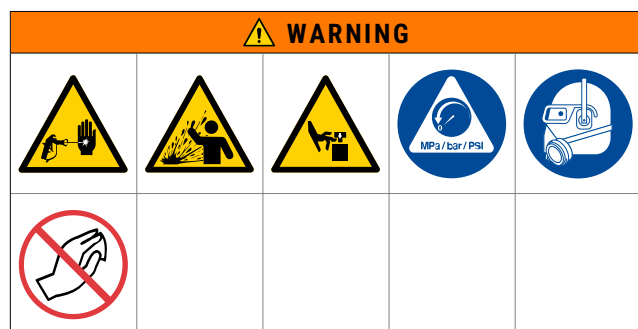
- Perform the **Flushing Procedure**.

NOTE:

Always flush the pump before the fluid dries on the displacement pump rod.

MAINTENANCE

Follow the service schedule to keep the equipment in good condition for optimal use.



PREVENTATIVE MAINTENANCE SCHEDULE

The operating conditions of your particular system determine how often maintenance is required. Establish a preventive maintenance schedule by recording when and what kind of maintenance is needed, and then determine a regular schedule for checking your system.

Table 11-1: Preventative Maintenance Schedule for King® PC Sprayers

ACTIVITY	INTERVAL
Flushing Procedure.	Daily or each time you spray.
Fill Throat Seal Liquid (TSL™) by adding through TSL fill point.	Daily or each time you spray.
Throat packing adjustment. When Pump packing begins to leak after extended use, tighten packing nut until leakage stops or lessens.	As necessary.
Clean Suction Tube using a compatible solvent.	Daily or each time you spray.
Check hoses, tubes, and couplings. Tighten all fluid connections before each use.	Daily or each time you spray.
If equipped, drain water from air filter.	Daily or each time you spray.
If equipped, clean fluid line filter.	As necessary.

LIFETIME SERVICE MAINTENANCE

Replace leather packings every 5 years or less based on use.

CORROSION PROTECTION

Always flush the pump before the fluid dries on the displacement rod. Never leave water or water-based fluid in the pump overnight.

NOTICE
Leaving water or water-based fluid in the pump overnight can cause the equipment to rust or corrode. When pumping water-based fluid, flush with water first, then with a rust inhibitor such as mineral spirits. Relieve pressure, but leave rust inhibitor in pump to protect parts from corrosion.

MOTOR LUBRICATION

With good-quality compressed air and normal ambient conditions, Graco does not recommend lubrication beyond the grease installed at the factory or through regular maintenance.

However, if any of the following apply to your system, you will benefit from installing a 3/4 in. (19 mm) air line lubricator in the air line before the air motor, or from occasionally adding oil to the air inlet line.

- Air supply does not contain any oil
- Air supply is very wet
- Air supply is very dry
- Air motor is run at low air pressure
- Air motor is run in unusually hot or cold environments

Areas that benefit from lubrication:

- Main piston o-rings
- Sliding valve spool
- Motor detent assembly
- Motor shaft seal

ADD LUBRICATION

The following are methods for adding lubrication:

LUBRICATE AIR VALVE

Perform these steps annually, or more often depending on your duty cycle, air pressure, and air quality. Use a high-quality lithium-based grease.

- Remove and disassemble the air valve. See **Pump Removal**.
- Grease all visible moving parts, especially detent and valve pistons.

ADD ACCESSORY AIR LUBRICATOR FOR MOTOR LUBRICATION

- Add a lubricator with kit 25D529.
- Add oil to line for whole motor lubrication.
Disconnect air line close to the motor and add 1-2 cc (1-2 ml) of SW30 oil.

NOTE:

Adding oil to the air motor will result in some oil being present in the exhaust air.

RECYCLING AND DISPOSAL

Properly recycle and dispose of the equipment at the end of its useful life.

END OF PRODUCT LIFE

At the end of a product's useful life, recycle it in a responsible manner.

TROUBLESHOOTING

When problems occur, use the table to identify potential causes and solutions to repair the equipment.



Perform the **Pressure Relief Procedure**.

NOTE:

Check all possible problems and causes before disassembling the equipment.

NOTE:

See your Xtreme XL™ Air Motor manual for air motor specific troubleshooting.

PROBLEM	CAUSE	SOLUTION
Equipment does not operate	Valve closed or clogged	Clear air line; increase air supply. Ensure valves are open.
	Fluid hose or gun is obstructed	Clean hose or gun.*
	Dried fluid on displacement rod	Clean rod; always stop pump at bottom of the stroke. Keep wet-cup filled with compatible solvent.
	Air motor parts are dirty, worn, or damaged	Clean or repair air motor. See your motor manual.
Output low on both strokes	Air line restricted or air supply inadequate; valves closed or clogged	Clean air line; increase air supply. Ensure valves are open.
	Fluid hose/gun is obstructed; hose inner diameter too small	Clear hose or gun;* use hose with a larger inner diameter.
	Air motor icing	Open De-Ice Control.
Output low on downstroke	Open or worn intake valve	Clear or service intake valve.
	High viscosity fluid	Adjust intake spacers.
Output low on upstroke	Open or worn piston valve or packings	Clear piston valve; replace packings.
Erratic accelerated speed	Fluid supply exhausted; clogged suction tube	Refill supply and prime pump; clean suction tube.
	High viscosity fluid	Reduce viscosity; adjust intake spacers.
	Open or worn piston valve or packings	Clear piston valve; replace packings.
	Open or worn intake valve	Clear or service intake valve.
Equipment runs slow	Possible icing	Stop pump. Open De-Ice Control.

TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
Equipment cycles or fails to hold pressure	Worn check valves or seals	Service lower. See Remove Lower and your King® E-Max XT™ Displacement Pumps manual.
Air bubbles in fluid	Loose suction line	Tighten suction line. Use compatible Throat Seal Liquid (TSL™) or PTFE tape on connections.
Poor finish or irregular spray pattern	Incorrect fluid pressure at gun	See gun manual; read fluid manufacturer's recommendations.
	Fluid is too thin or too thick	Adjust fluid viscosity; read fluid manufacturer's recommendations.

* To determine if fluid hose or gun is obstructed, follow the **Pressure Relief Procedure**. Disconnect fluid hose and place a container at the pump fluid outlet to catch any fluid. Turn air power ON just enough to start pump. If pump starts, the obstruction is in the fluid hose or gun.

REPAIR

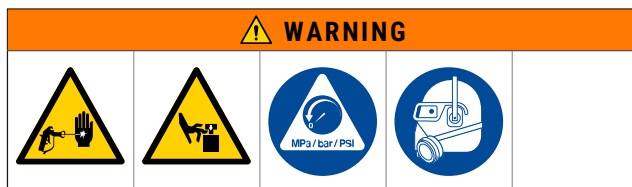
When replacing parts, follow the instructions to restore the components on the equipment.

REMOVE LOWER

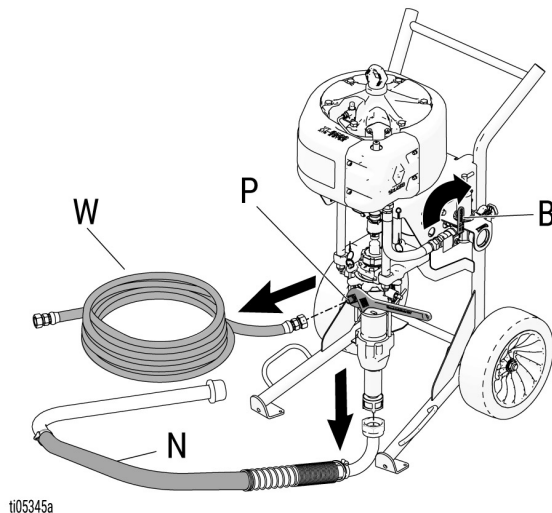
Tools required:

- Set of adjustable wrenches
- Rubber mallet
- Thread lubricant
- Anti-seize lubricant
- Loctite® 2760™ or equivalent
- Flathead screwdriver

PUMP REMOVAL

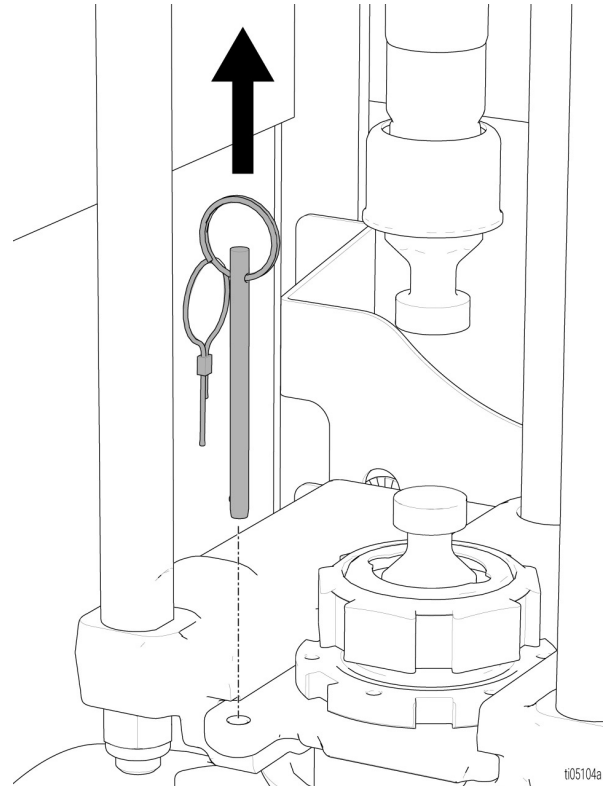


1. Perform the **Flushing Procedure**. Stop the pump at the bottom of the stroke.
2. Perform the **Pressure Relief Procedure**.
3. Turn off and relieve air pressure in air supply hose.
4. Disconnect Fluid Hose (W). Hold the Pump Fluid Outlet (P) with a wrench to keep it from loosening while you disconnect Direct Immersion Intake Tube (N) or Suction Hose (R).

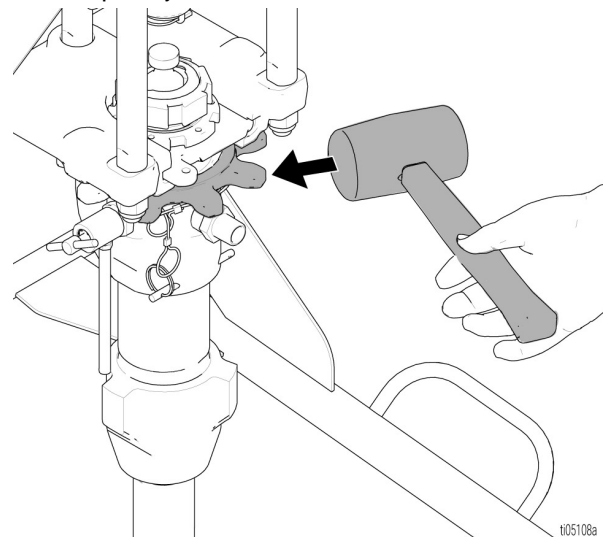


5. Use a flathead screwdriver to remove the Pump Guard.

6. Remove pin from the pump plate.

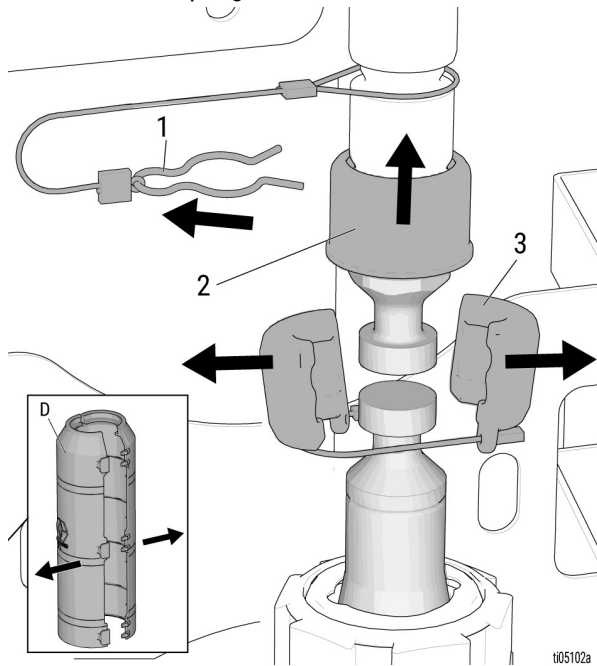


7. Using a mallet, knock the star nut loose, backing it off completely.

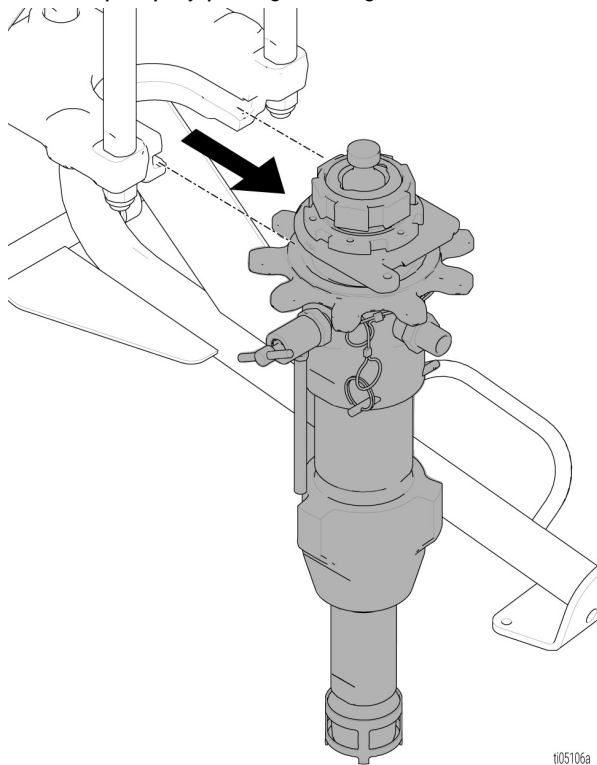


REPAIR

8. Remove rod coupling in order shown.

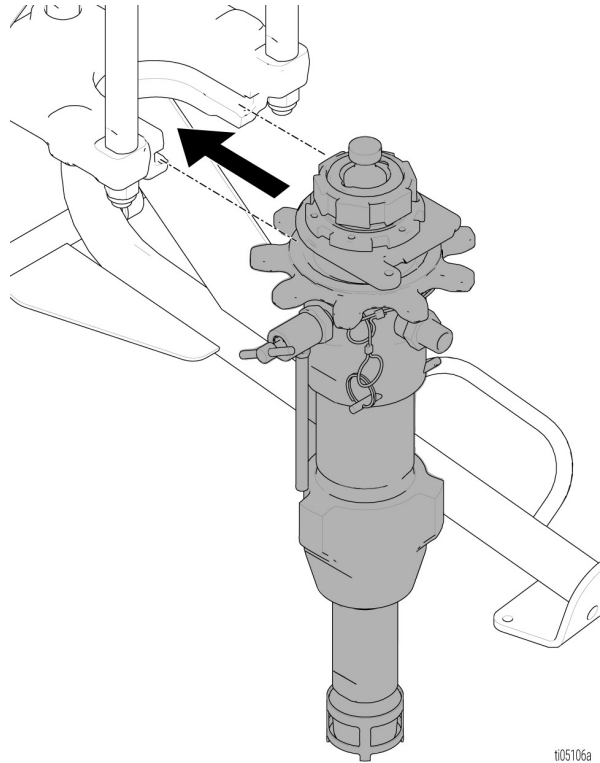


9. Remove pump by pulling it straight out.

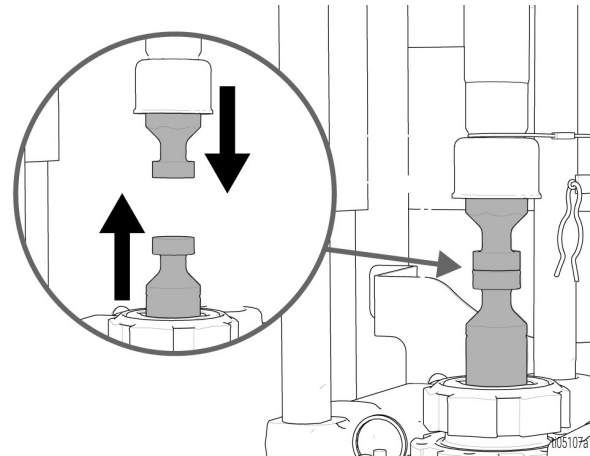


PUMP INSTALLATION

1. Install the pump.

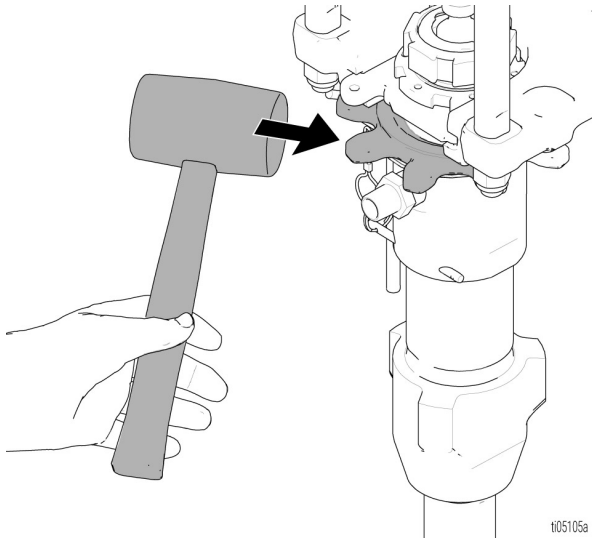


2. Ensure button head on the air motor piston rod and the displacement rod are aligned and reinstall rod coupling and Pump Guard.

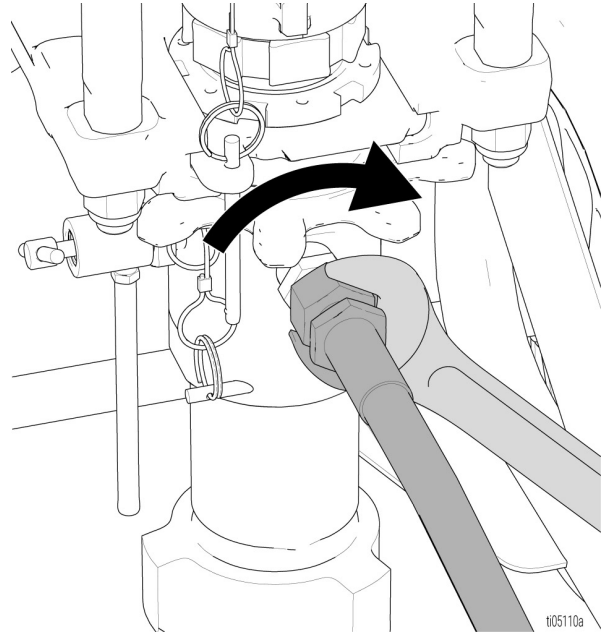


REPAIR

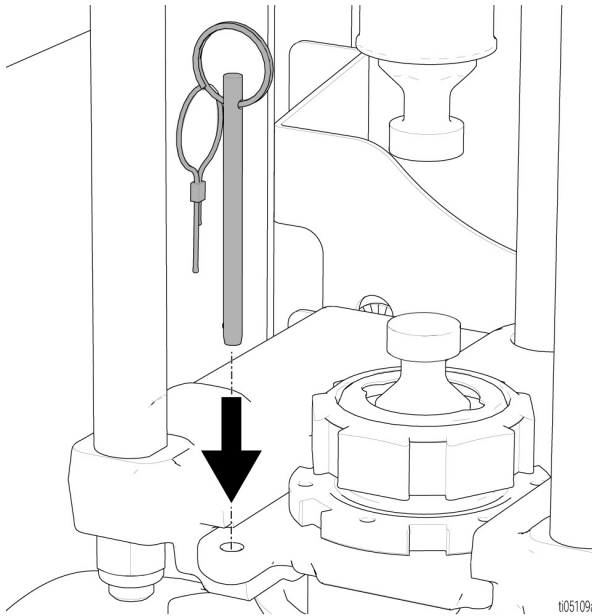
3. Using a mallet, tighten the star nut.



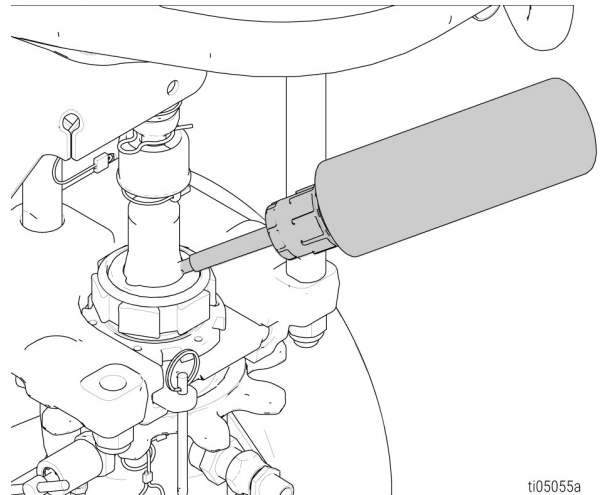
5. Using a 1-1/4 in. (31.75 mm) wrench, connect inlet hose to the pump outlet.



4. Reinstall pin into the pump plate.



6. Refill packing nut with Graco Throat Seal Liquid (TSL™).



KING® PC SPRAYER PACKAGES AND PUMPS PARTS

The parts illustrations and lists show the components of the King PC Sprayer Packages and Pumps Parts and their connections that are required for assembly, repair, and maintenance.

CART PACKAGES PARTS

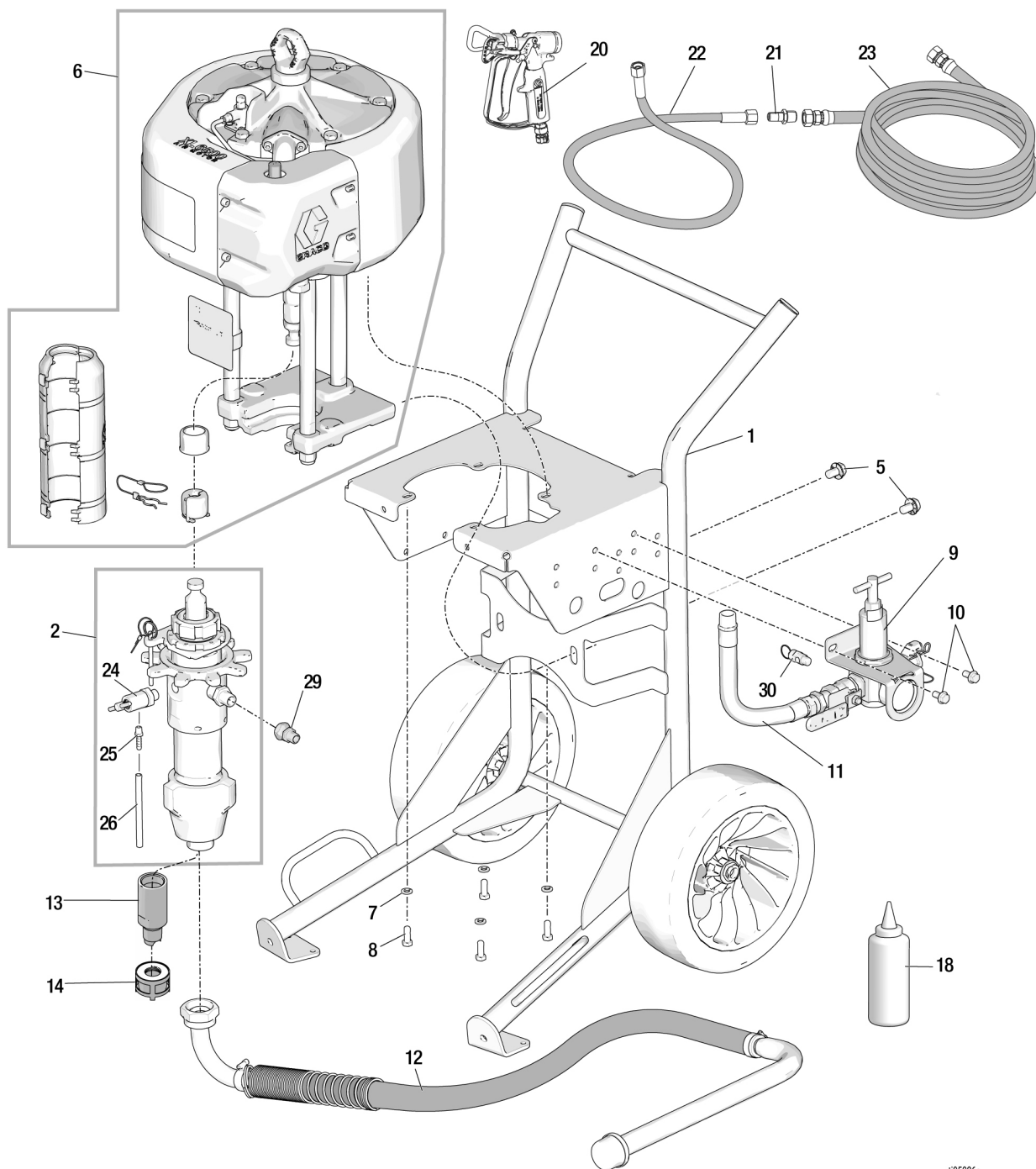


Figure 15-1: Model K70PH0 Parts Diagram

PARTS LIST

REF.	PART	DESCRIPTION	QTY.	
			K30PH0	K30PH1
1	----	CART, heavy duty	1	1
2	2013813	LOWER, Endurance™ ProConnect®, 220 cc	1	1
5	----	SCREW, cap, hex hd, 1/2-13 x 0.75	2	2
6	P34PC1	DRIVER, see Driver Parts List	1	1
7	----	WASHER, lock, 3/8	4	4
8	----	SCREW, cap, hex hd, 3/8-16 x 0.75	4	4
9	2013454	AIR CONTROLS	1	1
10	----	Screw, cap, flange head, 3/8-16 x 0.75	2	2
11	17V125	HOSE	1	1
12	25D515	HOSE, suction, 5 gallon	1	1
13	2010839	TUBE, direct immersion	1	1
14	15V573	STRAINER, crush proof	1	1
18	206994	FLUID, TSL™, 1 qt	1	1
20	XTR524	GUN, spray, XTR		1
21*	164856	FITTING, nipple, reducing		1
22*	H42506	HOSE, fluid, nylon, 1/4 in.		1
23*	H43850	HOSE, fluid, nylon, 3/8 in.		1
24	245143	VALVE, relief	1	1
25	116746	FITTING, barbed	1	1
26	116750	TUBE	1	1
29*	162505	FITTING, swivel		1
30	113498	VALVE, safety, 110 psi	1	1
▲	17A366	LABEL, safety (not shown)	1	1
▲	15F674	LABEL, safty, motor (not shown)	1	1
▲	290079	LABEL, safety, warning (not shown)	1	1

* Included in Gun/Hose Kit 2002446.

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

KING® PC SPRAYER PACKAGES AND PUMPS PARTS

PARTS LIST

REF.	PART	DESCRIPTION	QTY.	
			K40PH0	K40PH1
1	----	CART, heavy duty	1	1
2	2013812	LOWER, Endurance™ ProConnect®, 180 cc	1	1
5	----	SCREW, cap, hex hd, 1/2-13 x 0.75	2	2
6	P34PC1	DRIVER, see Driver Part List	1	1
7	----	WASHER, lock, 3/8	4	4
8	----	SCREW, cap, hex hd, 3/8-16 x 0.75	4	4
9	2013454	AIR CONTROLS	1	1
10	----	Screw, cap, flange head, 3/8-16 x 0.75	2	2
11	17V125	HOSE	1	1
12	25D515	HOSE, suction, 5 gallon	1	1
13	2010839	TUBE, direct immersion	1	1
14	15V573	STRAINER, crush proof	1	1
18	206994	FLUID, TSL™, 1 qt	1	1
20	XTR524	GUN, spray, XTR		1
21*	164856	FITTING, nipple, reducing		1
22*	H42506	HOSE, fluid, nylon, 1/4 in.		1
23*	H43850	HOSE, fluid, nylon, 3/8 in.		1
24	245143	VALVE, relief	1	1
25	116746	FITTING, barbed	1	1
26	116750	TUBE	1	1
29*	162505	FITTING, swivel		1
30	113498	VALVE, safety, 110 psi	1	1
▲	17A366	LABEL, safety (not shown)	1	1
▲	15F674	LABEL, safty, motor (not shown)	1	1
▲	290079	LABEL, safety, warning (not shown)	1	1

* Included in Gun/Hose Kit 2002446.

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

PARTS LIST

REF.	PART	DESCRIPTION	QTY.	
			K45PH0	K45PH1
1	----	CART, heavy duty	1	1
2	2013814	LOWER, Endurance™ ProConnect®, 290 cc	1	1
5	----	SCREW, cap, hex hd, 1/2-13 x 0.75	2	2
6	P65PC1	DRIVER, see Driver Part List	1	1
7	----	WASHER, lock, 3/8	4	4
8	----	SCREW, cap, hex hd, 3/8-16 x 0.75	4	4
9	2013454	AIR CONTROLS	1	1
10	----	Screw, cap, flange head, 3/8-16 x 0.75	2	2
11	17V125	HOSE	1	1
12	25D515	HOSE, suction, 5 gallon	1	1
13	2010839	TUBE, direct immersion	1	1
14	15V573	STRAINER, crush proof	1	1
18	206994	FLUID, TSL™, 1 qt	1	1
20	XTR524	GUN, spray, XTR		1
21*	164856	FITTING, nipple, reducing		1
22*	H42506	HOSE, fluid, nylon, 1/4 in.		1
23*	H43850	HOSE, fluid, nylon, 3/8 in.		1
24	245143	VALVE, relief	1	1
25	116746	FITTING, barbed	1	1
26	116750	TUBE	1	1
29*	162505	FITTING, swivel		1
30	113498	VALVE, safety, 110 psi	1	1
▲	17A366	LABEL, safety (not shown)	1	1
▲	15F674	LABEL, safty, motor (not shown)	1	1
▲	290079	LABEL, safety, warning (not shown)	1	1

* Included in Gun/Hose Kit 2002446.

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

KING® PC SPRAYER PACKAGES AND PUMPS PARTS

PARTS LIST

REF.	PART	DESCRIPTION	QTY.	
			K60PH0	K60PH1
1	----	CART, heavy duty	1	1
2	2013813	LOWER, Endurance™ ProConnect®, 220 cc	1	1
5	----	SCREW, cap, hex hd, 1/2-13 x 0.75	2	2
6	P65PC1	DRIVER, see Driver Part List	1	1
7	----	WASHER, lock, 3/8	4	4
8	----	SCREW, cap, hex hd, 3/8-16 x 0.75	4	4
9	2013454	AIR CONTROLS	1	1
10	----	Screw, cap, flange head, 3/8-16 x 0.75	2	2
11	17V125	HOSE	1	1
12	25D515	HOSE, suction, 5 gallon	1	1
13	2010839	TUBE, direct immersion	1	1
14	15V573	STRAINER, crush proof	1	1
18	206994	FLUID, TSL™, 1 qt	1	1
20	XTR725	GUN, spray, XTR		1
21*	164856	FITTING, nipple, reducing		1
22*	H72506	HOSE, fluid, nylon, 1/4 in.		1
23*	H73850	HOSE, fluid, nylon, 3/8 in.		1
24	245143	VALVE, relief	1	1
25	116746	FITTING, barbed	1	1
26	116750	TUBE	1	1
29*	162505	FITTING, swivel		1
30	113498	VALVE, safety, 110 psi	1	1
▲	17A366	LABEL, safety (not shown)	1	1
▲	15F674	LABEL, safty, motor (not shown)	1	1
▲	290079	LABEL, safety, warning (not shown)	1	1

* Included in Gun/Hose Kit 2002447.

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

KING® PC SPRAYER PACKAGES AND PUMPS PARTS

PARTS LIST

REF.	PART	DESCRIPTION	QTY.	
			K70PH0	K70PH1
1	----	CART, heavy duty	1	1
2	2013812	LOWER, Endurance™ ProConnect®, 180 cc	1	1
5	----	SCREW, cap, hex hd, 1/2-13 x 0.75	2	2
6	P65PC1	DRIVER, see Driver Part List	1	1
7	----	WASHER, lock, 3/8	4	4
8	----	SCREW, cap, hex hd, 3/8-16 x 0.75	4	4
9	2013454	AIR CONTROLS	1	1
10	----	Screw, cap, flange head, 3/8-16 x 0.75	2	2
11	17V125	HOSE	1	1
12	25D515	HOSE, suction, 5 gallon	1	1
13	2010839	TUBE, direct immersion	1	1
14	15V573	STRAINER, crush proof	1	1
18	206994	FLUID, TSL™, 1 qt	1	1
20	XTR725	GUN, spray, XTR		1
21*	164856	FITTING, nipple, reducing		1
22*	H72506	HOSE, fluid, nylon, 1/4 in.		1
23*	H73850	HOSE, fluid, nylon, 3/8 in.		1
24	245143	VALVE, relief	1	1
25	116746	FITTING, barbed	1	1
26	116750	TUBE	1	1
29*	162505	FITTING, swivel		1
30	113498	VALVE, safety, 110 psi	1	1
▲	17A366	LABEL, safety (not shown)	1	1
▲	15F674	LABEL, safty, motor (not shown)	1	1
▲	290079	LABEL, safety, warning (not shown)	1	1

* Included in Gun/Hose Kit 2002447.

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

KING® PC SPRAYER PACKAGES AND PUMPS PARTS

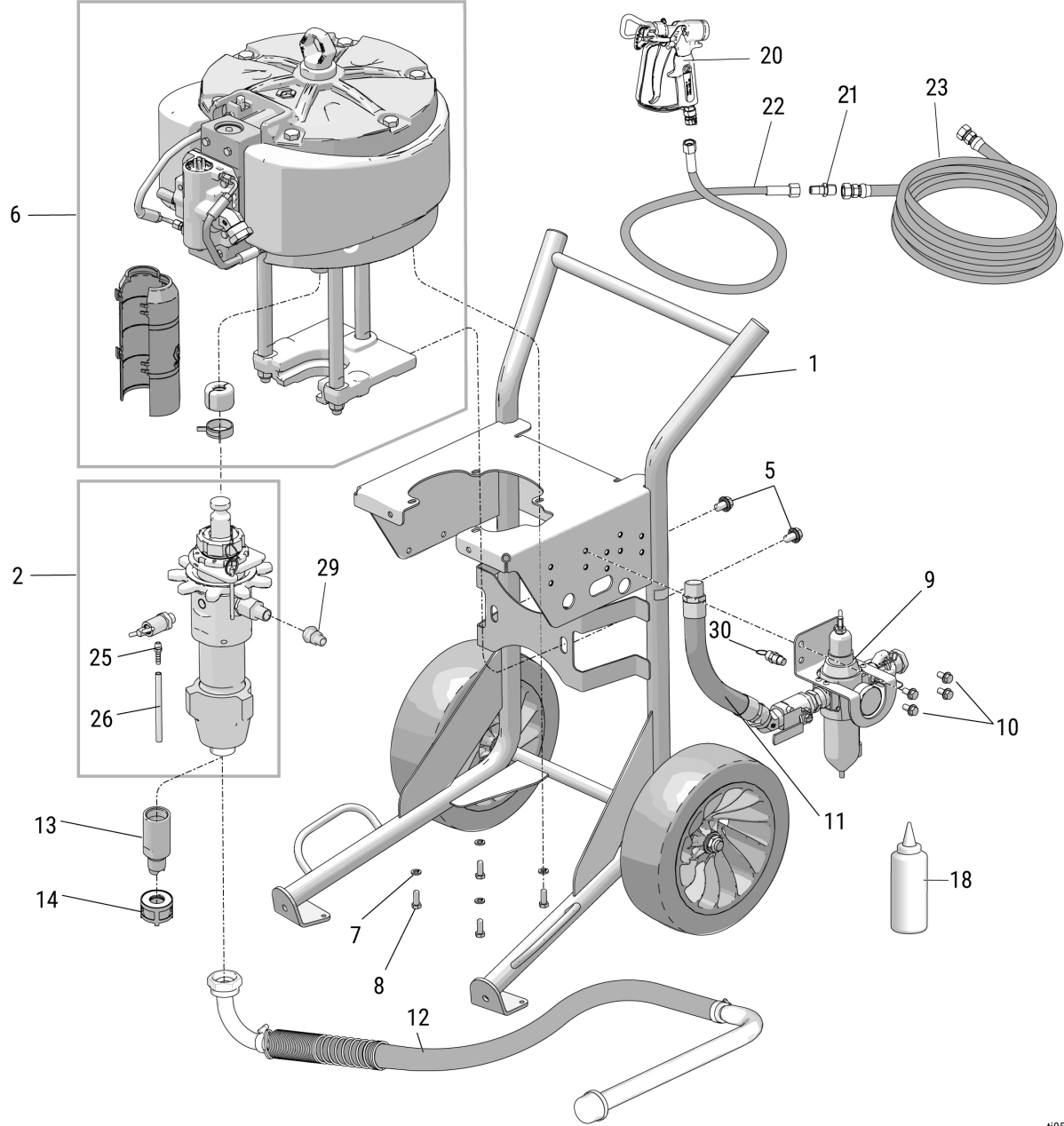
PARTS LIST

REF.	PART	DESCRIPTION	QTY.	
			K90PH0	K90PH1
1	----	CART, heavy duty	1	1
2	2013811	LOWER, Endurance™ ProConnect®, 145 cc	1	1
5	----	SCREW, cap, hex hd, 1/2-13 x 0.75	2	2
6	P65PC1	DRIVER, see Driver Part List	1	1
7	----	WASHER, lock, 3/8	4	4
8	----	SCREW, cap, hex hd, 3/8-16 x 0.75	4	4
9	2013454	AIR CONTROLS	1	1
10	----	Screw, cap, flange head, 3/8-16 x 0.75	2	2
11	17V125	HOSE	1	1
12	25D515	HOSE, suction, 5 gallon	1	1
13	2010839	TUBE, direct immersion	1	1
14	15V573	STRAINER, crush proof	1	1
18	206994	FLUID, TSL™, 1 qt	1	1
20	XTR725	GUN, spray, XTR		1
21*	164856	FITTING, nipple, reducing		1
22*	H72506	HOSE, fluid, nylon, 1/4 in.		1
23*	H73850	HOSE, fluid, nylon, 3/8 in.		1
24	245143	VALVE, relief	1	1
25	116746	FITTING, barbed	1	1
26	116750	TUBE	1	1
29*	162505	FITTING, swivel		1
30	116443	VALVE, safety, 90 psi	1	1
▲	17A366	LABEL, safety (not shown)	1	1
▲	15F674	LABEL, safty, motor (not shown)	1	1
▲	290079	LABEL, safety, warning (not shown)	1	1

* Included in Gun/Hose Kit 2002447.

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

K71PH0 CART PACKAGE PARTS



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Figure 15-2: Model K71PH0 Parts Diagram

KING® PC SPRAYER PACKAGES AND PUMPS PARTS

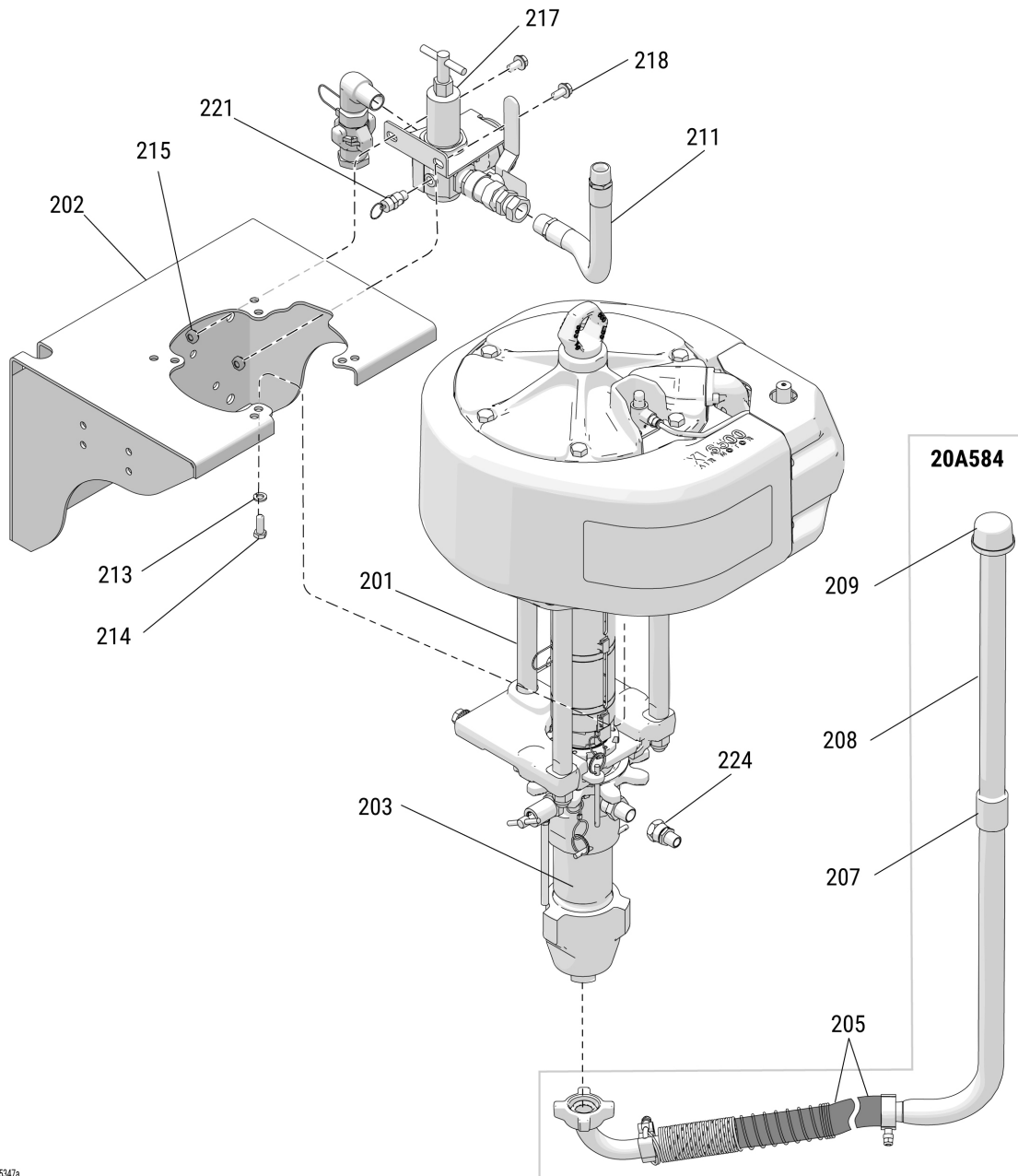
PARTS LIST

REF.	PART	DESCRIPTION	QTY.	
			K71PH0	K71PH1
1	----	CART	1	1
2	2013815	LOWER, Endurance ProConnect, 290 cc	1	1
5	----	SCREW, cap, hex hd, 1/2-13 x 0.75	2	2
6	P10PC1	DRIVER, see Driver Parts List	1	1
7	----	WASHER, lock, 3/8	4	4
8	----	SCREW, cap, hex hd, 3/8-16 x 0.75	4	4
9	2013440	AIR CONTROLS	1	1
10	112395	SCREW, cap, flanged head	4	4
11	278770	HOSE, supply, air	1	1
12	25D515	HOSE, suction, 5 gallon	1	1
13	2010839	TUBE, direct immersion	1	1
14	15V573	STRAINER, crush proof	1	1
18	206994	FLUID, TSL™, 1 qt	1	1
20	XTR525	GUN, spray, XTR		1
21*	164856	FITTING, nipple, reducing		1
22*	H72506	HOSE, fluid, nylon, 1/4 in.		1
23*	H73850	HOSE, fluid, nylon, 3/8 in.		1
24	245143	VALVE, relief	1	1
25	116746	FITTING, barbed	1	1
26	116750	TUBE	1	1
29	162505	FITTING, swivel	1	1
30	113498	VALVE, safety, 110 psi	1	1
▲	17A366	LABEL, safety (not shown)	1	1
▲	15F674	LABEL, safty, motor (not shown)	1	1
▲	290079	LABEL, safety, warning (not shown)	1	1

* Included in Gun/Hose Kit 2002447.

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

WALL MOUNT PACKAGES PARTS



1105347a

Figure 15-3: Wall Mount Packages Parts Diagram

NOTE:

Apply stainless steel pipe sealant to all non-swiveling pipe threads.

PARTS LIST

REF.	PART	DESCRIPTION	QTY.	
			K30PW0	K30PW1
201	P34PC1	DRIVER, see Driver Parts List	1	1
202	24X181	BRACKET, wall	1	1
203	2013813	LOWER, Endurance™ ProConnect®, 220 cc	1	1
205*	25F045	HOSE, suction, 10 ft. 1 1/4 in. npsm	1	1
207*	116967	COUPLING, pipe, 1 in.	1	1
208*	195151	TUBE, intake	1	1
209*	181072	STRAINER, inlet	1	1
211	17V125	HOSE, coupled, 12 in.	1	1
213	----	WASHER, lock, 3/8 in.	6	6
214	----	SCREW, 3/8-16 x 1 in.	4	4
215	----	NUT, full hex, 3/8-16	2	2
217	2014236	MODULE, air, wall mount, 3/4 in.	1	1
218	----	SCREW, cap, flange head, 3/8-16 x .875	2	2
221	113498	VALVE, safety, 110 psi	1	1
222†	H42506	HOSE, fluid, nylon, 1/4 in. (not shown)		1
223†	H43850	HOSE, fluid, nylon, 3/8 in. (not shown)		1
224†	162505	FITTING, swivel		1
230†	XTR524	GUN, XTR (not shown)		1
▲	17A366	LABEL, safety (not shown)	1	1
▲	15F674	LABEL, safty, motor (not shown)	1	1
▲	290079	LABEL, safety, warning (not shown)	1	1

* Included in Suction Drum Kit 20A584.

† Included in Gun/Hose Kit 2002446.

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

PARTS LIST

REF.	PART	DESCRIPTION	QTY.	
			K40PW0	K40PW1
201	P34PC1	DRIVER, see Driver Parts List	1	1
202	24X181	BRACKET, wall	1	1
203	2013812	LOWER, Endurance ProConnect, 180 cc	1	1
205*	25F045	HOSE, suction, 10 ft. 1 1/4 in. npsm	1	1
207*	116967	COUPLING, pipe, 1 in.	1	1
208*	195151	TUBE, intake	1	1
209*	181072	STRAINER, inlet	1	1
211	17V125	HOSE, coupled, 12 in.	1	1
213	----	WASHER, lock, 3/8 in.	6	6
214	----	SCREW, 3/8-16 x 1 in.	4	4
215	----	NUT, full hex, 3/8-16	2	2
217	2014236	MODULE, air, wall mount, 3/4 in.	1	1
218	----	SCREW, cap, flange head, 3/8-16 x .875	2	2
221	113498	VALVE, safety, 110 psi	1	1
222†	H42506	HOSE, fluid, nylon, 1/4 in. (not shown)		1
223†	H43850	HOSE, fluid, nylon, 3/8 in. (not shown)		1
224†	162505	FITTING, swivel		1
230†	XTR524	GUN, XTR (not shown)		1
▲	17A366	LABEL, safety (not shown)	1	1
▲	15F674	LABEL, safty, motor (not shown)	1	1
▲	290079	LABEL, safety, warning (not shown)	1	1

* Included in Suction Drum Kit 20A584.

† Included in Gun/Hose Kit 2002446.

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

PARTS LIST

REF.	PART	DESCRIPTION	QTY.	
			K45PW0	K45PW1
201	P65PC1	DRIVER, see Driver Parts List	1	1
202	24X181	BRACKET, wall	1	1
203	2013814	LOWER, Endurance ProConnect, 290 cc	1	1
205*	25F045	HOSE, suction, 10 ft. 1 1/4 in. npsm	1	1
207*	116967	COUPLING, pipe, 1 in.	1	1
208*	195151	TUBE, intake	1	1
209*	181072	STRAINER, inlet	1	1
211	17V125	HOSE, coupled, 12 in.	1	1
213	----	WASHER, lock, 3/8 in.	6	6
214	----	SCREW, 3/8-16 x 1 in.	4	4
215	----	NUT, full hex, 3/8-16	2	2
217	2014236	MODULE, air, wall mount, 3/4 in.	1	1
218	----	SCREW, cap, flange head, 3/8-16 x .875	2	2
221	113498	VALVE, safety, 110 psi	1	1
222†	H42506	HOSE, fluid, nylon, 1/4 in. (not shown)		1
223†	H43850	HOSE, fluid, nylon, 3/8 in. (not shown)		1
224†	162505	FITTING, swivel		1
230†	XTR524	GUN, XTR (not shown)		1
▲	17A366	LABEL, safety (not shown)	1	1
▲	15F674	LABEL, safty, motor (not shown)	1	1
▲	290079	LABEL, safety, warning (not shown)	1	1

* Included in Suction Drum Kit 20A584.

† Included in Gun/Hose Kit 2002446.

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

PARTS LIST

REF.	PART	DESCRIPTION	QTY.	
			K60PW0	K60PW1
201	P65PC1	DRIVER, see Driver Part List	1	1
202	24X181	BRACKET, wall	1	1
203	2013813	LOWER, Endurance ProConnect, 220 cc	1	1
205*	25F045	HOSE, suction, 10 ft. 1 1/4 in. npsm	1	1
207*	116967	COUPLING, pipe, 1 in.	1	1
208*	195151	TUBE, intake	1	1
209*	181072	STRAINER, inlet	1	1
211	17V125	HOSE, coupled, 12 in.	1	1
213	----	WASHER, lock, 3/8 in.	6	6
214	----	SCREW, 3/8-16 x 1 in.	4	4
215	----	NUT, full hex, 3/8-16	2	2
217	2014236	MODULE, air, wall mount, 3/4 in.	1	1
218	----	SCREW, cap, flange head, 3/8-16 x .875	2	2
221	113498	VALVE, safety, 110 psi	1	1
222†	H72506	HOSE, fluid, nylon, 1/4 in. (not shown)		1
223†	H73850	HOSE, fluid, nylon, 3/8 in. (not shown)		1
224†	162505	FITTING, swivel		1
230†	XTR724	GUN, XTR (not shown)		1
▲	17A366	LABEL, safety (not shown)	1	1
▲	15F674	LABEL, safty, motor (not shown)	1	1
▲	290079	LABEL, safety, warning (not shown)	1	1

* Included in Suction Drum Kit 20A584.

† Included in Gun/Hose Kit 2002447.

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

PARTS LIST

REF.	PART	DESCRIPTION	QTY.	
			K70PW0	K70PW1
201	P65PC1	DRIVER, see Driver Part List	1	1
202	24X181	BRACKET, wall	1	1
203	2013812	LOWER, Endurance ProConnect, 180 cc	1	1
205*	25F045	HOSE, suction, 10 ft. 1 1/4 in. npsm	1	1
207*	116967	COUPLING, pipe, 1 in.	1	1
208*	195151	TUBE, intake	1	1
209*	181072	STRAINER, inlet	1	1
211	17V125	HOSE, coupled, 12 in.	1	1
213	----	WASHER, lock, 3/8 in.	6	6
214	----	SCREW, 3/8-16 x 1 in.	4	4
215	----	NUT, full hex, 3/8-16	2	2
217	2014236	MODULE, air, wall mount, 3/4 in.	1	1
218	----	SCREW, cap, flange head, 3/8-16 x .875	2	2
221	113498	VALVE, safety, 110 psi	1	1
222	H72506	HOSE, fluid, nylon, 1/4 in. (not shown)		1
223†	H73850	HOSE, fluid, nylon, 3/8 in. (not shown)		1
224†	162505	FITTING, swivel		1
225†	206994	FLUID, TSL™, 1 qt	1	1
230†	XTR724	GUN, XTR (not shown)		1
▲	17A366	LABEL, safety (not shown)	1	1
▲	15F674	LABEL, safty, motor (not shown)	1	1
▲	290079	LABEL, safety, warning (not shown)	1	1

* Included in Suction Drum Repair Kit 20A584.

† Included in Gun/Hose Kit 2002447.

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

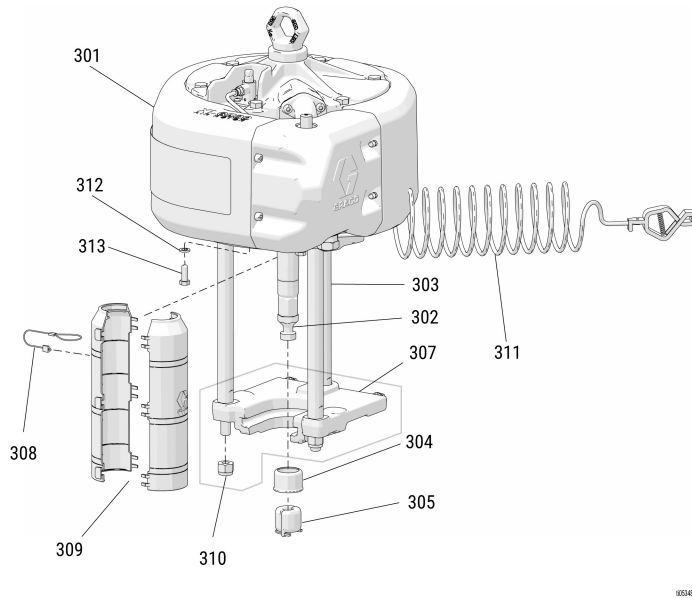
DRIVER PARTS

Figure 15-4: Driver Parts Diagram

PARTS LIST

REF.	PART	DESCRIPTION	QTY.
301	----	AIR MOTOR, standard (see Packages tables)	1
302	2007051	ROD, adapter	1
303*	----	ROD, tie, 11-11/32 long	3
304	197340	COVER, coupler	1
305	244819	COUPLING, assembly, 145-290 Xtreme	1
307*	----	PLATE, pump mount	1
308	244820	CLIP, hairpin with lanyard	1
309	17S727	GUARD, rod coupler	2
310*		NUT, lock	3
311	244542	WIRE, ground, assembly with clamp	1
312	----	WASHER, lock, 3/8 in.	1
313	----	SCREW, 3/8-16 x 1 in.	1

* Included in Tie Rod/Pump Plate Kit 2014370.

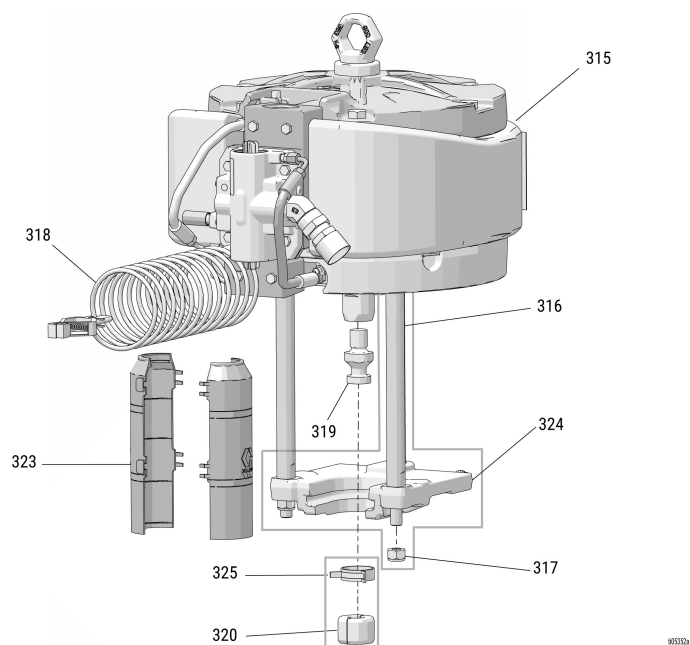
K71PH0 DRIVER PARTS

Figure 15-5: K71PH0 Driver Parts Diagram

PARTS LIST

REF.	PART	DESCRIPTION	QTY.
315	2014271	MOTOR, air, 13 in. (see your motor manual)	1
316*	----	ROD, tie	3
317*	----	NUT, lock M16	3
318	244524	WIRE, ground with clamp	1
319	2014493	ADAPTER, rod	1
320†	----	COUPLING, assembly, 290	1
323	17W472	GUARD, pump	2
324*	----	MOUNT, pump plate	1
325†	----	CLAMP, spring	1

* Included in Tie Rod/Pump Plate Kit 2014371.

† Included in Pump Coupler Kit 2014494.

KING® PC SPRAYER PACKAGES AND PUMPS PARTS

PACKAGES WITH 145 CC LOWERS 2013232 (90:1 RATIO)

SPRAYER PACKAGE	LOWER	AIR MOTOR
K90PH0, K90PH1	2013811	XL65D0

PACKAGES WITH 180 CC LOWERS 2013812 (40:1, 70:1 RATIO)

SPRAYER PACKAGE	LOWER	AIR MOTOR
K40PH0, K40PH1, K40PW0, K40PW1	2013812	XL34D0
K70PH0, K70PH1, K70PW0, K70PW1	2013812	XL65D0

PACKAGES WITH 220 CC LOWERS 2013813 (30:1, 60:1 RATIO)

SPRAYER PACKAGE	LOWER	AIR MOTOR
K30PH0, K30PH1, K30PW0, K30PW1	2013813	XL34D0
K60PH0, K60PH1, K60PW0, K60PW1	2013813	XL65D0

PACKAGES WITH 290 CC LOWERS 2013814 (45:1 RATIO)

SPRAYER PACKAGE	LOWER	AIR MOTOR
K45PH0, K45PH1, K45PW0, K45PW1	2013814	XL65D0

PACKAGES WITH 290 CC LOWERS 2013815 (70:1 RATIO)

SPRAYER PACKAGE	LOWER	AIR MOTOR
K71PH0, K71PH1	2013815	2014271

AIR ASSISTED SPRAYER PACKAGES

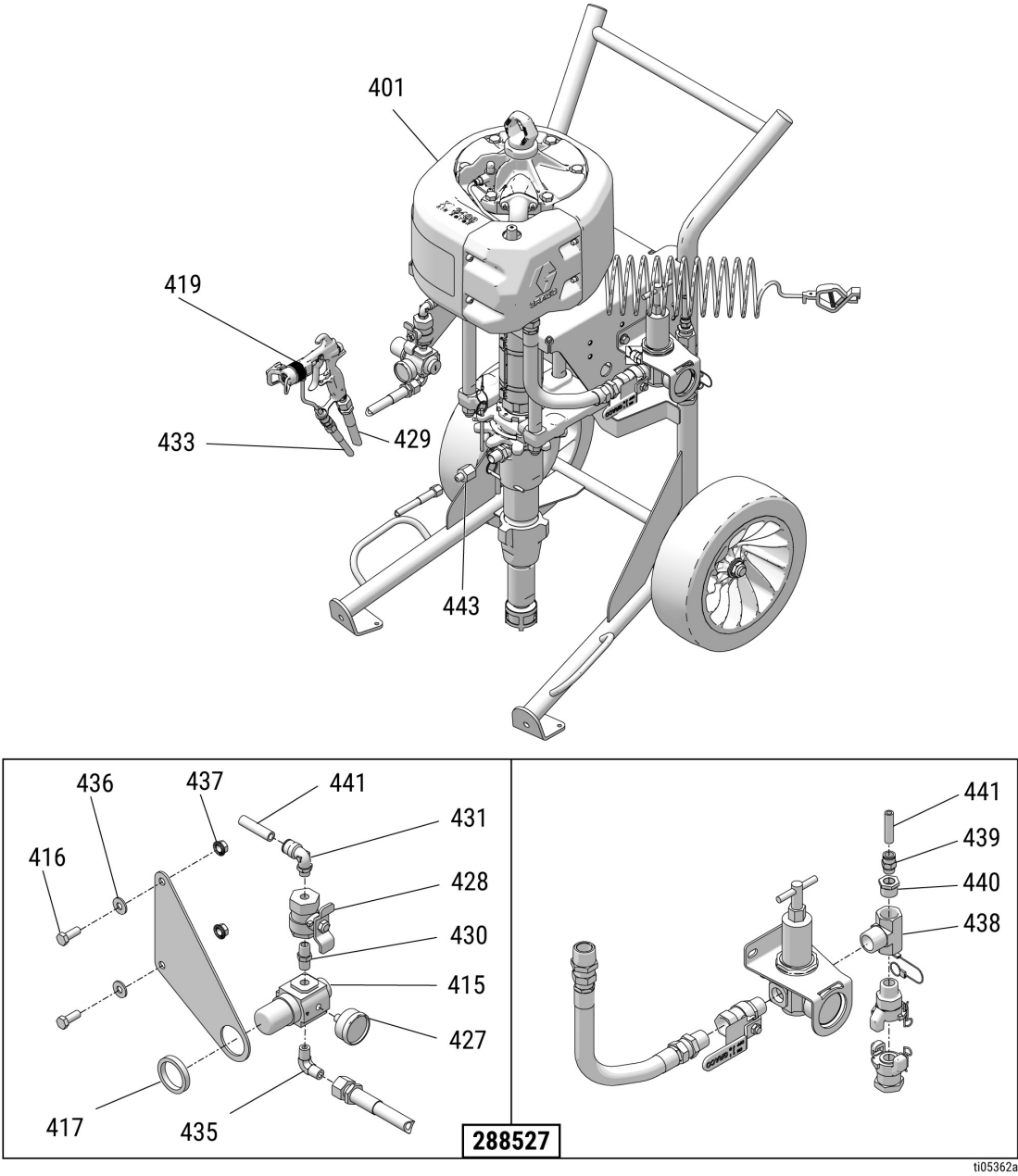


Figure 15-6: Air Assisted Sprayer Packages Parts Diagram

PARTS LIST (2013754)

REF.	PART	DESCRIPTION	QTY.
401	K40PH0	Sprayer, King PC, XL40-180, bare	1
404	2013812	LOWER, 180 cc	1
415*	116513	REGULATOR, air, gun	1
416*	100101	SCREW, mounting, cap, hex hd	2
417*	116514	NUT, regulator mount	1
419	26B518	GUN, spray	1
427*	108190	GAUGE, pressure, gun	1
428*	116473	VALVE, ball, vented, two-way	1
429	210868	HOSE, air, coupled, 50 ft	1
430*	156971	NIPPLE, short	1
431*	114128	ELBOW, male, swivel	1
433	H52550	HOSE, fluid; nylon, 1/4 in. ID; 1/4 npsm(fbe); 50 ft	1
435*	111763	ELBOW, 1/4 NPT	1
436*	100023	WASHER, flat	2
437*	112958	NUT, hex, flanged	2
438*	C20900	FITTING, tee, run	1
439*	114129	CONNECTOR, male	1
440*	100505	BUSHING, pipe	1
441*	- - - -	TUBE, 1/2 in.	1
443	159842	ADAPTER, bushing, 1/4 NPTM x 1/2 NPTF	1

* Included in Air Assist Kit 288527.

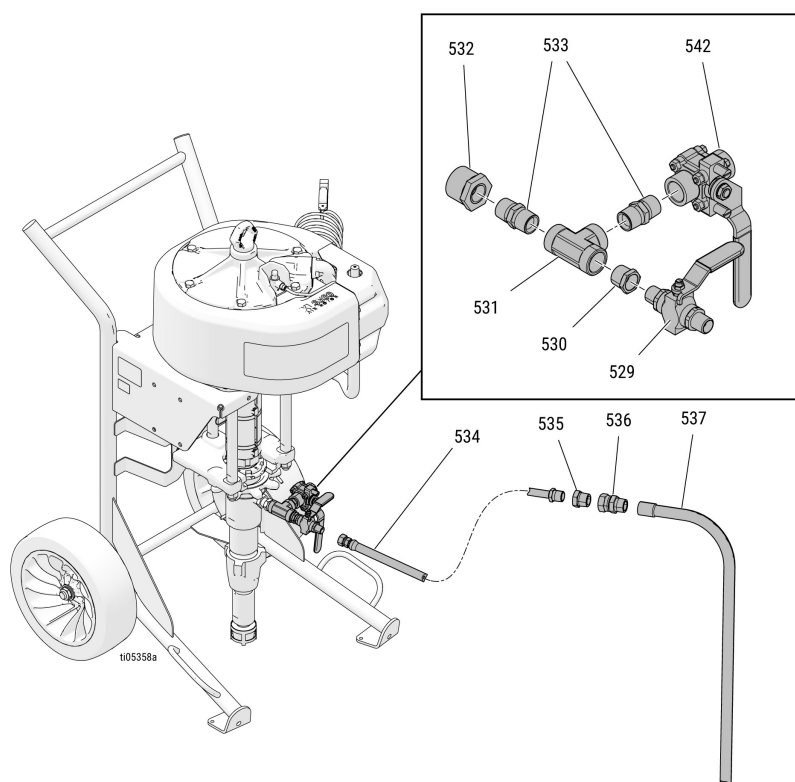
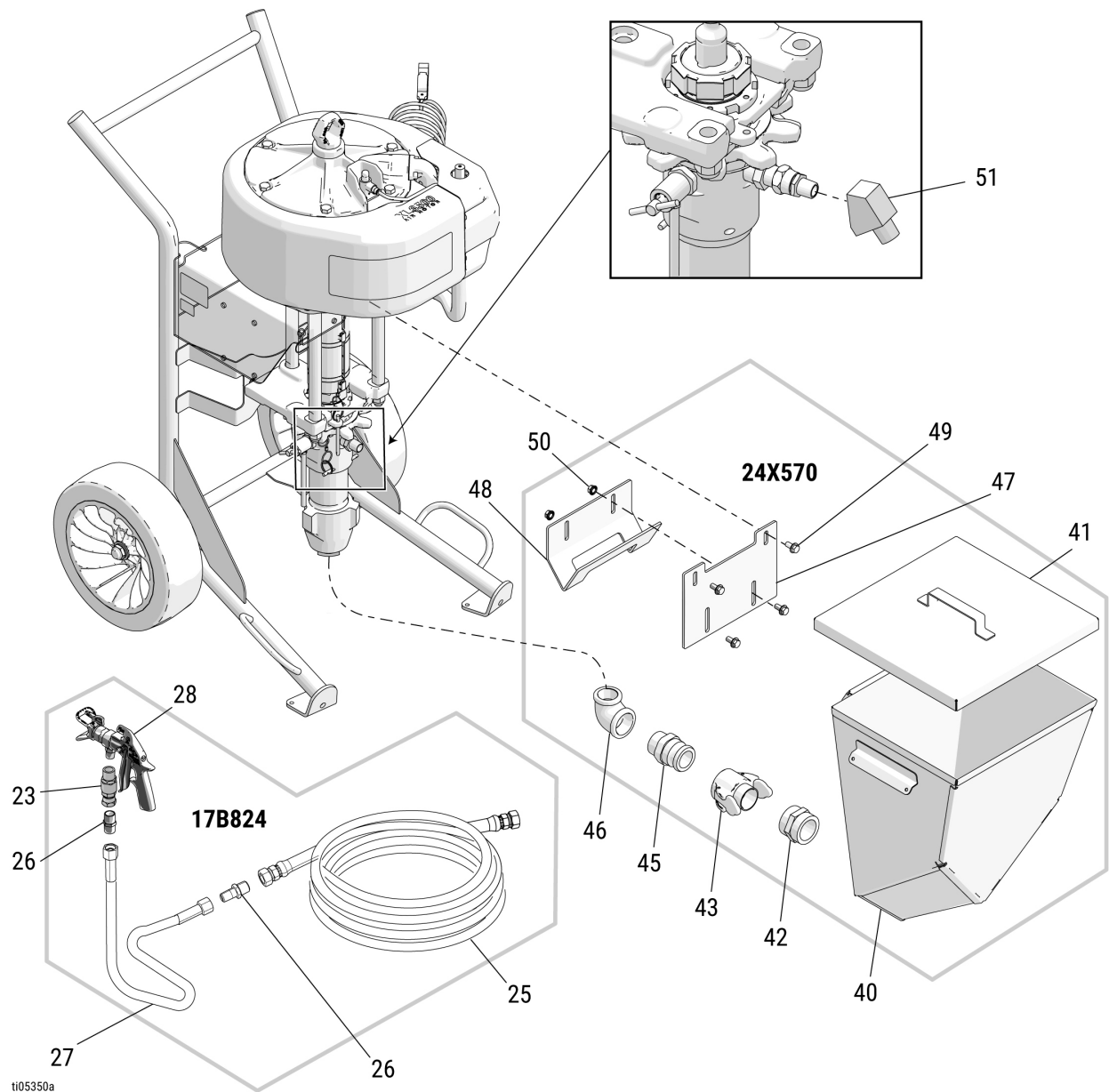
CIRCULATION KIT 238588

Figure 15-7: Circulation Kit 238588 Parts Diagram

PARTS LIST

REF.	PART	DESCRIPTION	QTY.
529	238612	VALVE, ball	1
530	100081	BUSHING, pipe	1
531	502570	FITTING, tee, pipe	1
532	156684	FITTING, union, adapter, 1/2	1
533	158491	FITTING, nipple	2
534	235148	HOSE, coupled, 6 ft	1
535	100896	FITTING, bushing, pipe1	1
536	157785	FITTING, swivel	1
537	165767	TUBE, suction	1
542	24P719	VALVE, ball	1

HEAVY FLUID PACKAGES



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Figure 15-8: K70PH5 Heavy Fluid Packages Parts Diagram

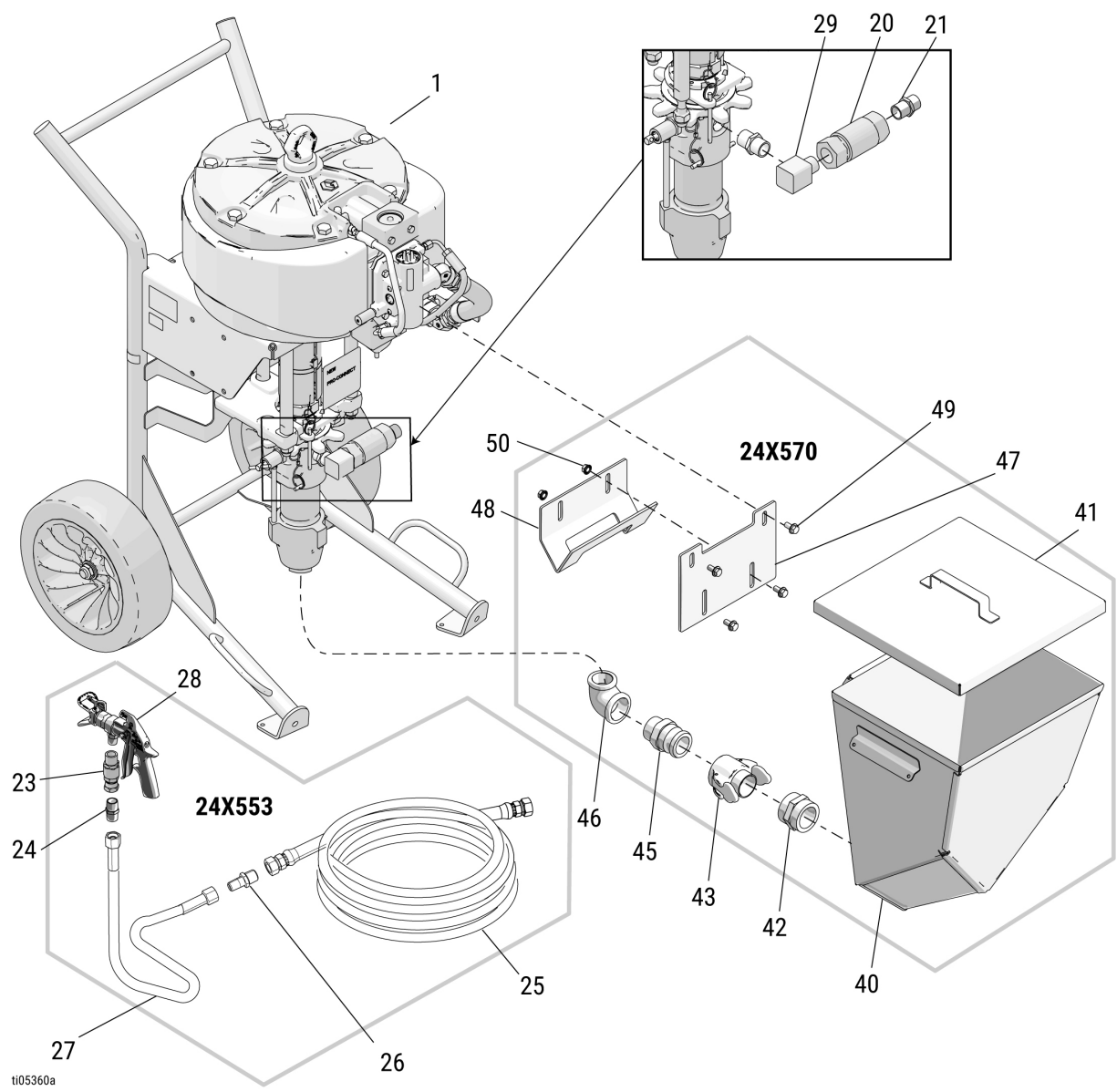


Figure 15-9: K71PH5 Heavy Fluid Packages Parts Diagram

PARTS LIST

REF.	PART	DESCRIPTION	QTY.	
			K70PH5	K71PH5
1	K70PH0	SPRAYER, base	1	
	K71PH0	SPRAYER, base		1
20	16T480	VALVE, check		1
21	160032	FITTING, nipple, 3/4 in. NPT		1
23	17G980	SWIVEL, straight, PTFE	1	1
24	158491	FITTING, nipple, 1/2 in. NPT	★	1
25	H75050	HOSE, coupled, 7250 psi, 1/2 in. 50 ft	1	
	H77550	HOSE, coupled, 7250 psi, 3/4 in. 50 ft		1
26	159239	FITTING, nipple, 1/2 in. x 3/8 in.	2	
	16R883	FITTING, nipple, 3/4 in. x 1/2 in.		1
27	H73810	HOSE, coupled, 7250 psi, 3/8 in. 10 ft	1	
	H75025	HOSE, coupled, 7250 psi, 1/2 in. 25 ft		1
28	262854	GUN, spray, XHF	1	1
29	166590	FITTING, elbow, street, high pressure		1
40	17E114	HOPPER	1	1
41	16U537	HOPPER, lid	1	1
42	128094	FITTING, bushing, 1-1/2	1	1
43	17C692	FITTING, cam and groove	1	1
44	120781	GASKET, 2 in. (not shown)	1	1
45	128095	FITTING, cam and groove	1	1
46	126939	FITTING, elbow, 90 degrees	1	1
47	17D554	BRACKET, hopper	1	1
48	17C474	BRACKET, hopper, upper	1	1
49	112395	SCREW, cap, flange head	4	4
50	112958	NUT, hex, flanged	4	4
51	15M987	ELBOW, 60 degrees	1	★

★ Part of kit but not used on sprayer model.

HEAVY DUTY CART PARTS

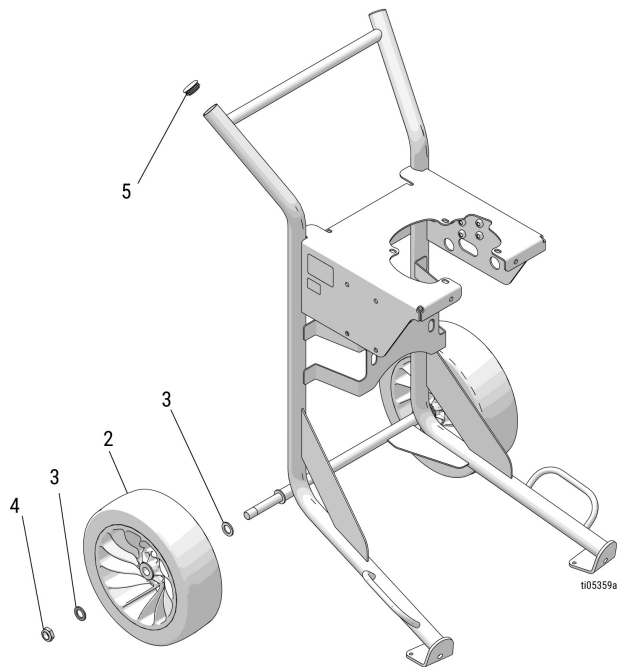


Figure 15-10: Heavy Duty Cart Parts Diagram

PARTS LIST

REF.	PART	DESCRIPTION	QTY.
2	17E687	TIRE, polyurethane, black	2
3	----	WASHER	4
4	----	NUT, lock, hex, 3/4"-16	2
5	----	CAP, tube, round	2

KITS AND ACCESSORIES

Kits and accessories are available to purchase separately. Use the part numbers in the list to order the correct items.

AIR CONTROLS

MODEL 2013454 (USED ON SPRAYERS WITH XL6500/XL3400)

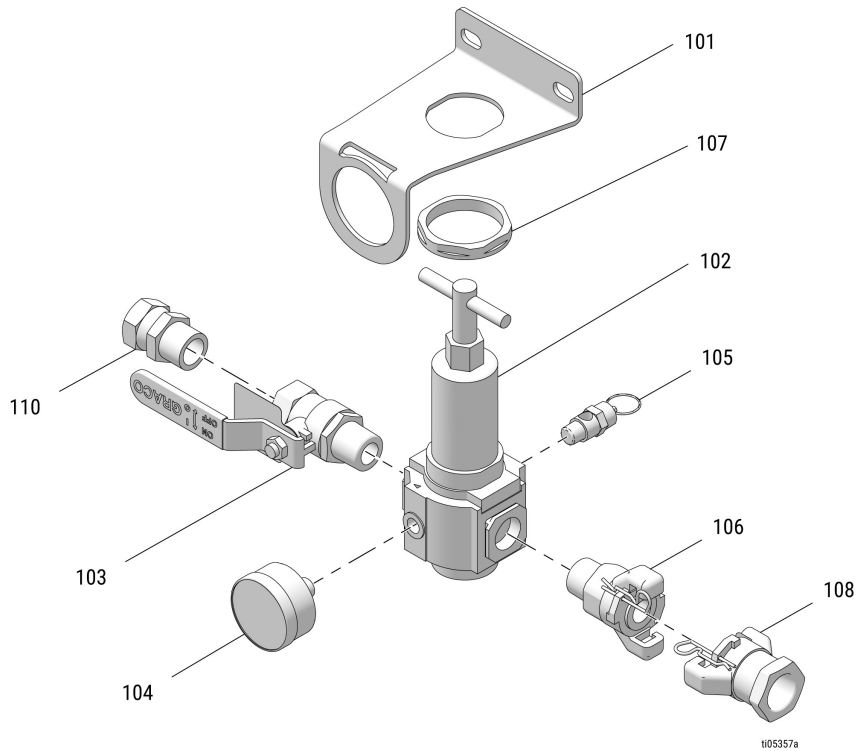


Figure 16-1: Air Control Diagram (Model 2013454)

PARTS LIST

REF.	PART	DESCRIPTION	QTY.
101	----	BRACKET, air controls, king	1
102	16F014	REGULATOR, air, t-handle	1
103	113218	VALVE, ball, vented, 0.750	1
104	101689	GAUGE, press, air	1
105	----	VALVE, safety	1
106	113429	COUPLING, universal	1
107	122336	NUT, panel, regulator	1
108	113430	COUPLING, universal	6
109	----	SEALANT, pipe, sst (not shown)	1
110	157785	FITTING, swivel	1

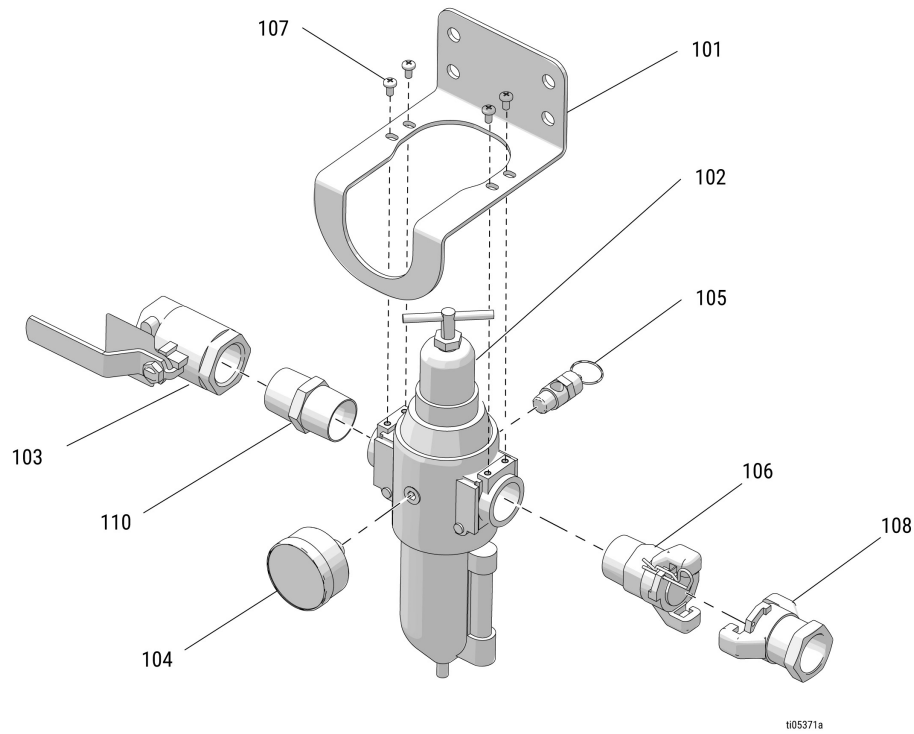
MODEL 2013440 (USED ON SPRAYERS WITH XL1000)

Figure 16-2: Air Control Diagram (Model 2013440)

PARTS LIST

REF.	PART	DESCRIPTION	QTY.
101	----	BRACKET, air controls, king	1
102	17C498	REGULATOR, air, t-handle	1
103	113163	VALVE, ball, vented, 0.750	1
104	101689	GAUGE, press, air	1
105	----	VALVE, safety	1
106	127784	COUPLING, universal	1
107	103833	SCREW, mach	1
108	127785	COUPLING, universal	6
109	----	SEALANT, pipe, sst (not shown)	1
110	158585	FITTING, nipple	1

KITS AND ACCESSORIES

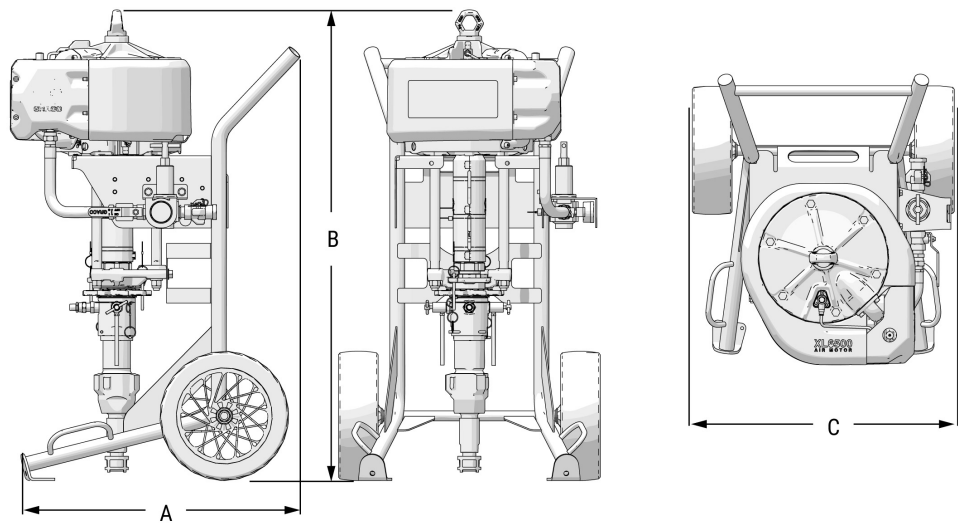
ACCESSORIES

KIT NUMBER	DESCRIPTION
17V369	Air Filter Element
238588	Circulation Kit
24X550	Datatrak Kit with Solenoid
24X552	Datatrak Kit without Solenoid
24X570	Hopper Kit
202659	Lube, Air Motor
206994	TSL™ Fluid
3A0293	Air Controls
16V583	External Fluid Filter
17V573	Viscon Heater Adapter Kit
2013971	Two Gun Splitter
25D529	Air Filter and Lubricator Kit (XL6500/XL3400 Air Motor)
2013439	Air Filter and Lubricator Kit (XL10000 Air Motor)

DIMENSIONS

The dimension diagram shows detailed measurements and specifications to ensure accurate installation and operation of the King® PC Spray Packages and Pumps.

SPRAYER CART PACKAGES



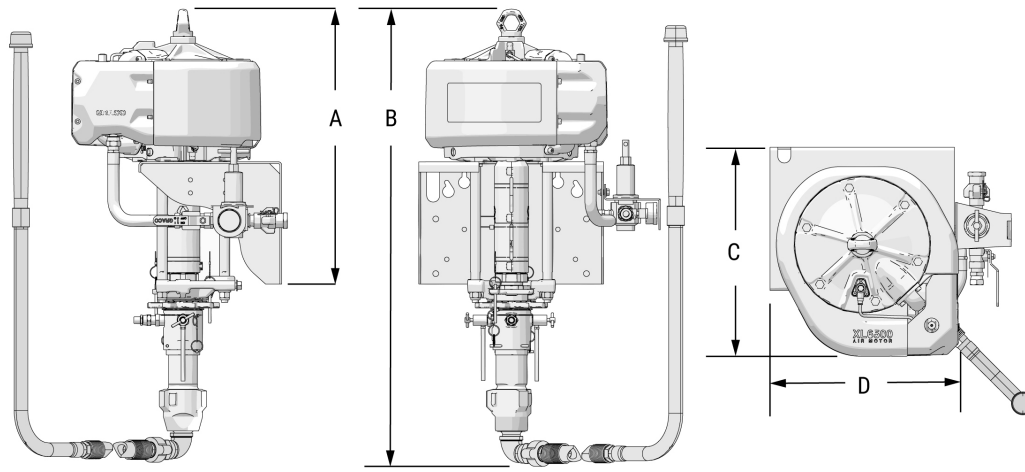
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Figure 17-1: Sprayer Cart Packages Dimensions

MOUNT	A	B	C
Endurance™ ProConnect®	27.5 in. (69.9 cm)	47.3 in (120.1 cm)	26.4 in (67.1 cm)

DIMENSIONS

SPRAYER WALL PACKAGES



ti05373a

Figure 17-2: Sprayer Wall Packages Dimensions

MOUNT	A	B	C	D
Endurance ProConnect	26.25 in. (66.7 cm)	44.5 in (113 cm)	22.0 in (55.9 cm)	23.0 in (58.4 cm)

DIMENSIONS

WALL MOUNTING HOLE PATTERN

The image highlights key reference points and detailed measurements to ensure secure mounting of the King® PC Spray Packages and Pumps.

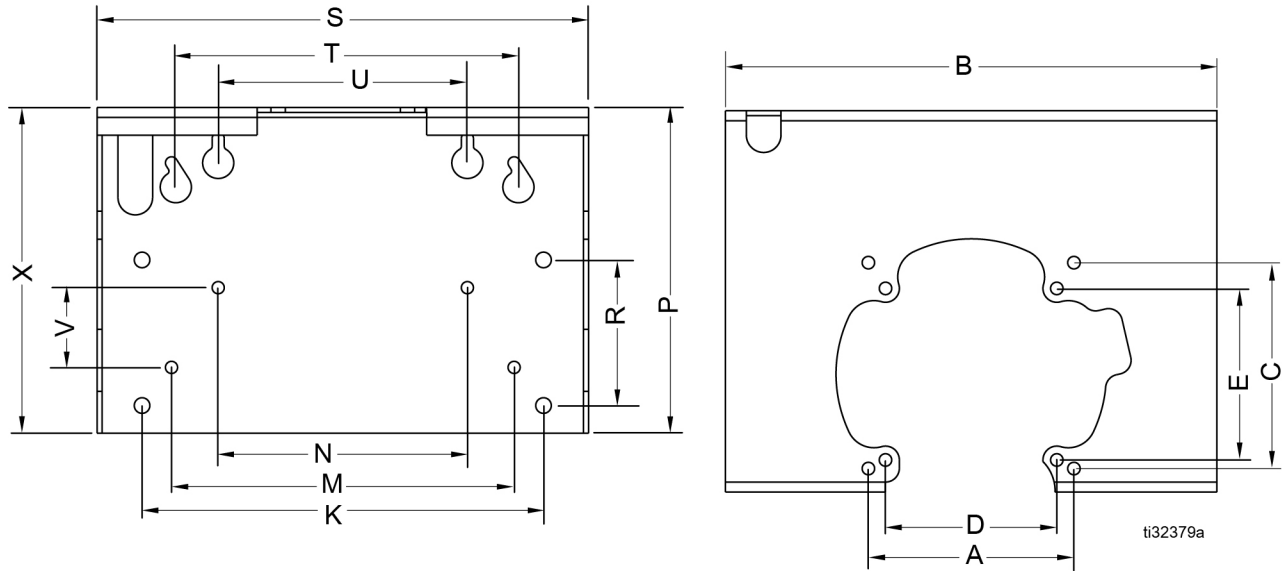


Figure 17-3: Wall Mounting Hole Dimensions for King PC Spray Packages and Pumps

KEY

A	7.424 in. (188.5 mm)
B	7.75 in. (450.38 mm)
C	7.424 in. (188.5 mm)
D	6.186 in. (157 mm)
E	6.186 in. (157 mm)
K	14.50 in. (368.3 mm)
M	12.375 in. (314.3 mm)
N	9.0 in. (228.6 mm)
P	11.75 in. (298.45 mm)
R	5.25 in. (133.3 mm)
S	17.75 in. (450.8 mm)
T	17.75 in. (450.8 mm)
U	9.0 in. (228.6 mm)
V	2.875 in. (73 mm)
X	11.75 in. (298.4 mm)

CALIFORNIA PROPOSITION 65

CALIFORNIA RESIDENTS

 **WARNING** Cancer and reproductive harm – www.P65warnings.ca.gov.

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