

# GH833 Direct Immersion Kit

311493 rev.B

*- For installation of tower/bracket. -*

**Part No. 287843**



**Important Safety Instructions**

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

Refer to GH833 operation manual. Before attempting to install kit, follow **Pressure Relief Procedure**, page 4.



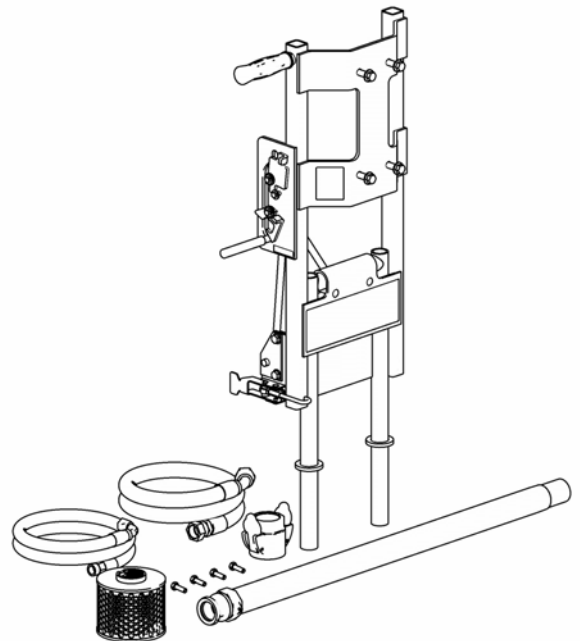
**311279**



**311283**



**311484**



PROVEN QUALITY. LEADING TECHNOLOGY.

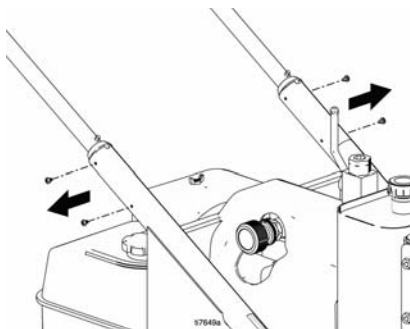
## Fixed Mounting (optional)

*To prevent damaging the unit when transporting it in a truck or on a trailer, Graco recommends fixed mounting to the vehicle.*

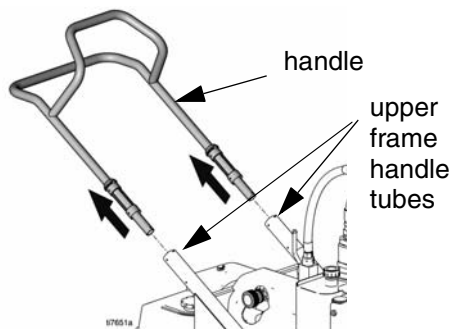
### Repositioning Handle

Before you can secure the unit to a truck or trailer bed, you must reposition the handle.

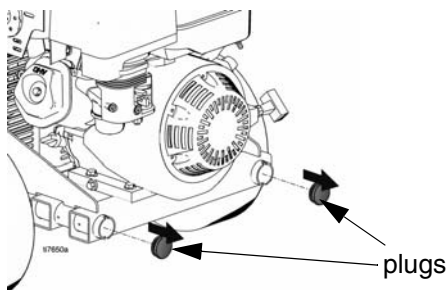
1. Using a phillips screwdriver, remove the handle sleeve screws (4).



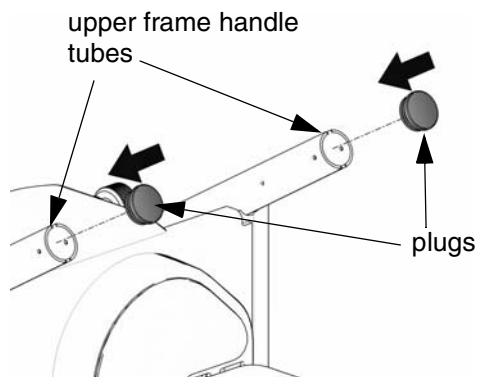
2. Remove handle assembly by pulling it out of upper frame handle tubes.



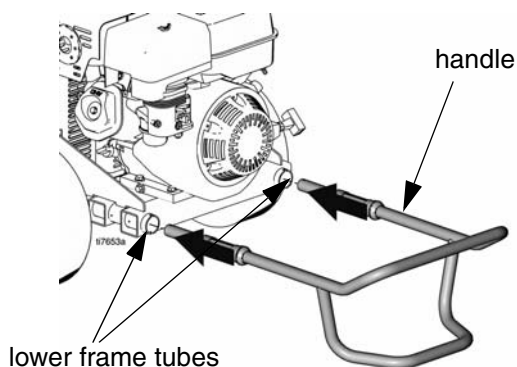
3. Remove frame tube plugs (2) located behind the wheels.



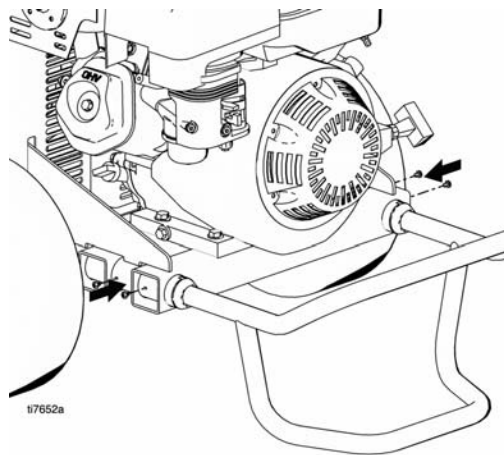
4. Insert plugs in upper frame handle tubes.



5. Insert handle assembly into lower frame tubes. The hose bracket should face down. Adjust to appropriate in/out location.

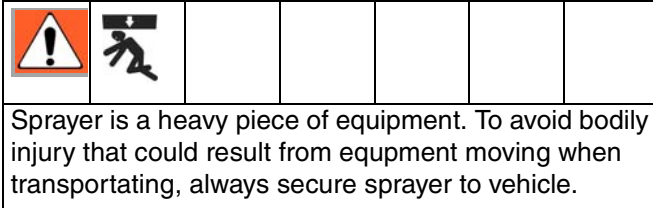


6. Install sleeve screws (4) in lower frame tubes.

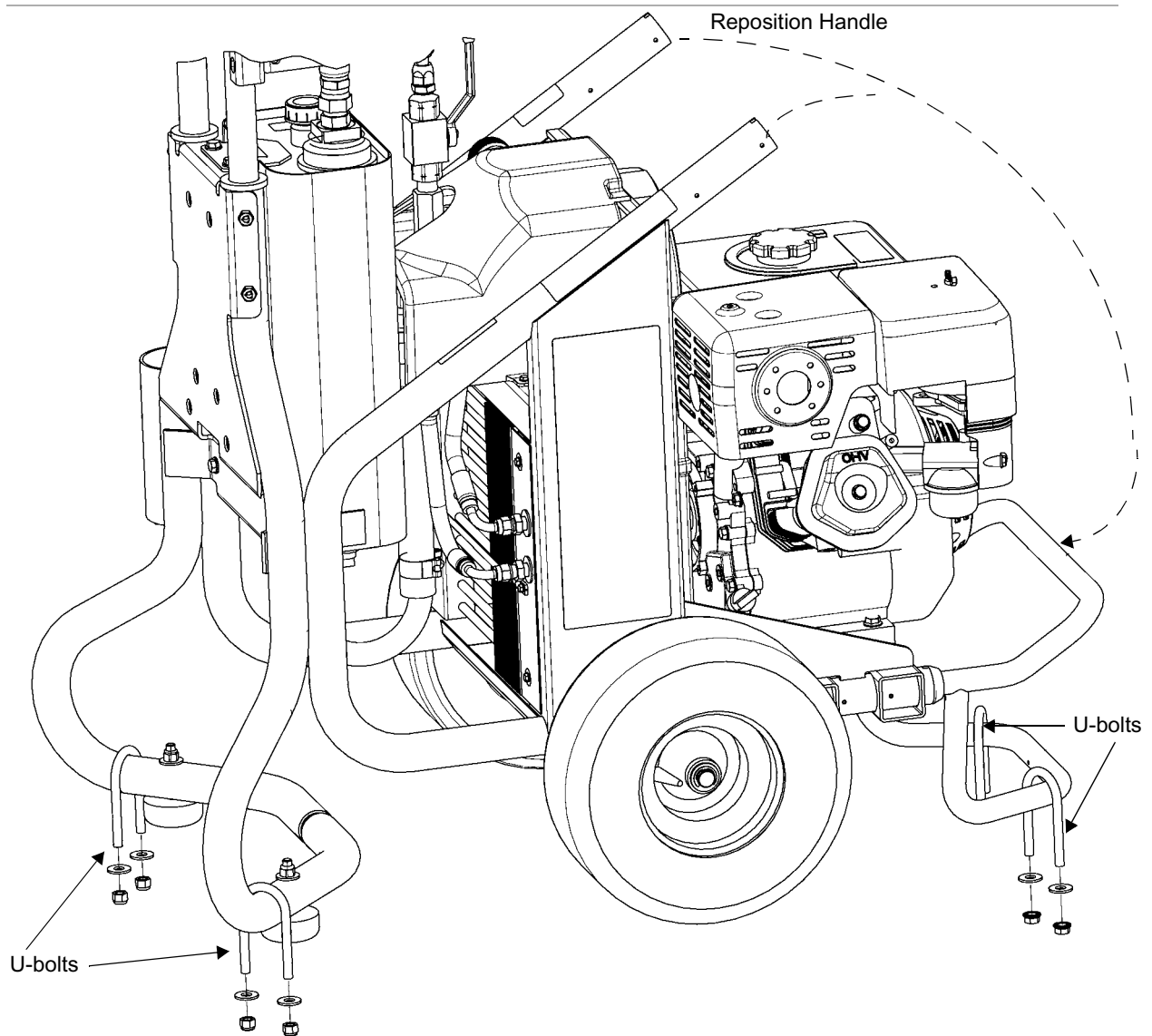


## Securing Unit to Vehicle Bed

For fixed mounting, fasten U-bolts over sprayer frame as indicated in the following illustration.



1. Reposition handle, steps 1-5, page 2.
2. Place U-bolts over sprayer frame and through holes in vehicle bed. Place a washer and nut over bolt end. Using a wrench, tighten nut securely.



# General Information

## Pressure Relief Procedure







1. Engage trigger lock.
2. Set pump valve OFF.
3. Turn engine OFF.
4. Turn pressure to lowest setting.
5. Trigger gun to relieve pressure.
6. Turn Prime valve down.

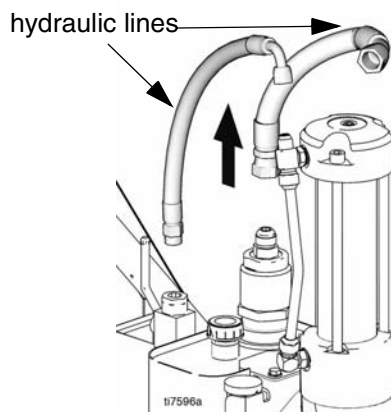
## Trigger Lock

Always engage the trigger lock when you stop spraying to prevent the gun from being accidentally triggered by hand or if dropped or bumped.

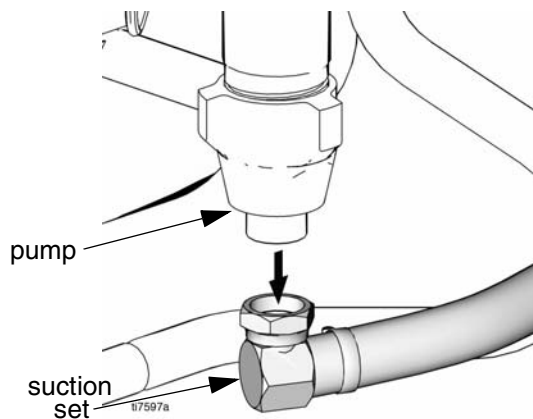
# Removing Hydraulic Head and Pump

						
<b>BURN HAZARD</b> 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.						

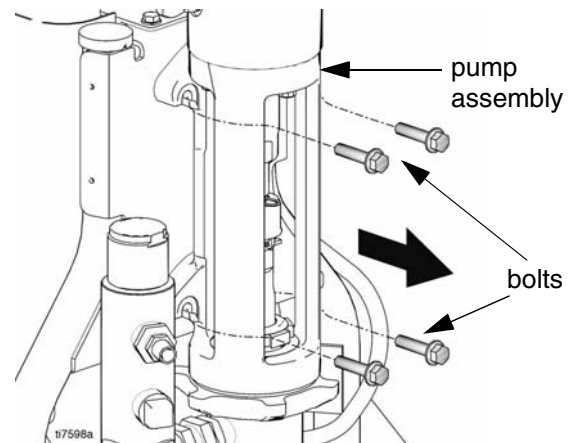
1. Follow **Pressure Relief Procedure**, page 4.
2. Allow unit to cool.
3. Remove (2) hydraulic lines from head and body.



4. Remove suction set from bottom of pump.

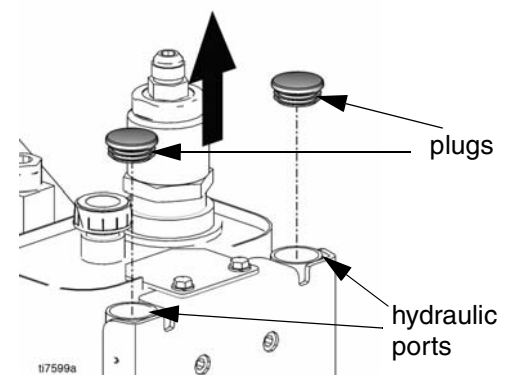


5. Remove (4) mounting bolts on pump assembly and set assembly out of the way.



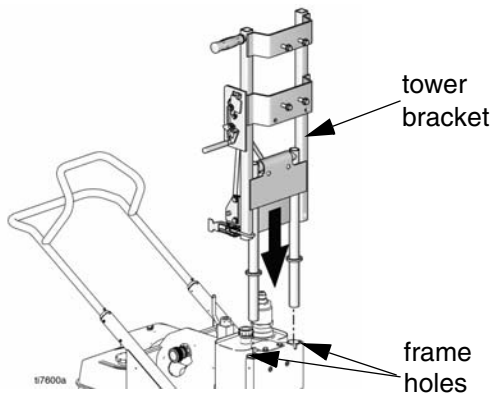
6. Remove (2) black plugs.

**NOTE:** Protect open hydraulic ports from debris and contamination.



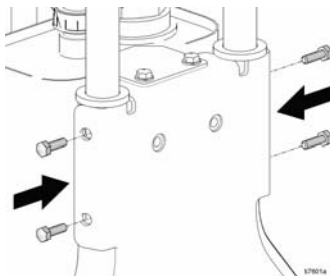
# Installing Direct Immersion Kit

1. Install tower/bracket into frame holes.

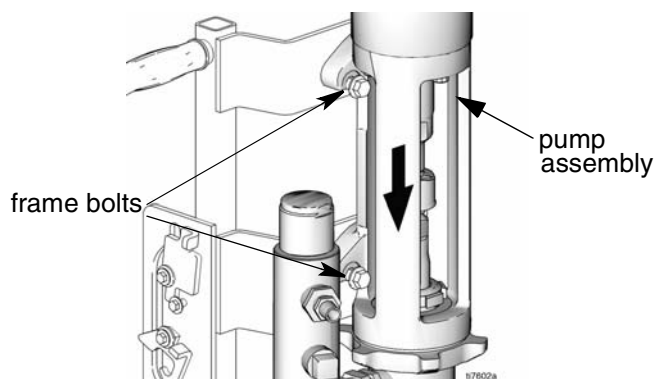


Pumping motion could result in bracket pulling out of frame and cause serious injury. Always insert and torque screws securely to insure this does not occur.						

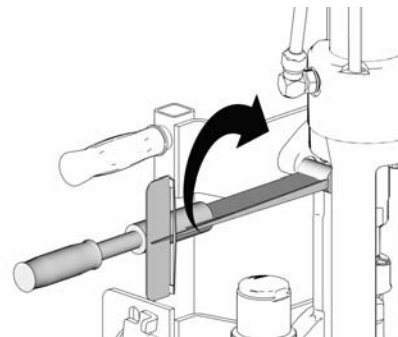
2. Install (4) retaining screws in frame to hold tower/bracket in place. Torque to 165 +/- 10 in.-lbs (13.8 ft.-lbs).



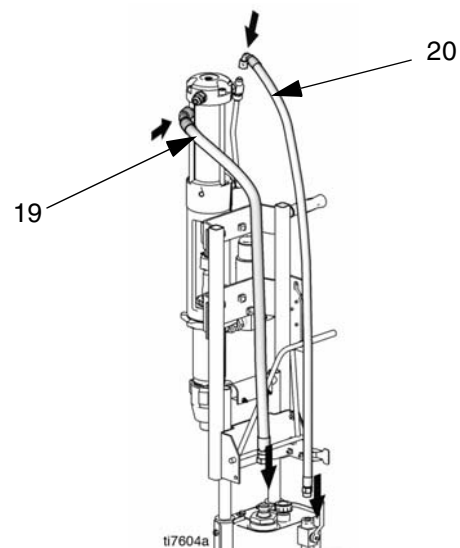
3. Install pump assembly over (4) frame bolts.



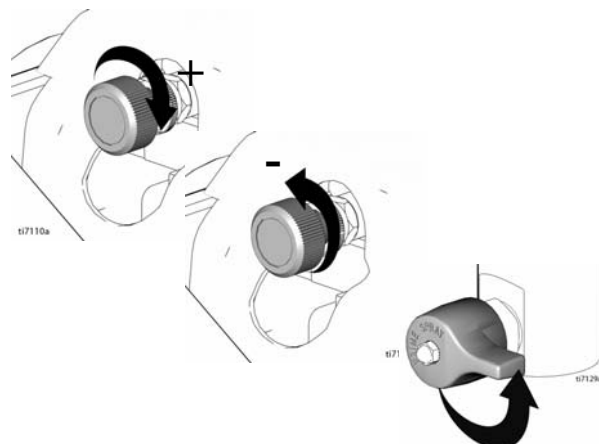
4. Torque bolts to 400 +/- 10 in.-lbs (33.3 ft. lbs).





5. Install new, longer hydraulic lines (19, 20) from kit.



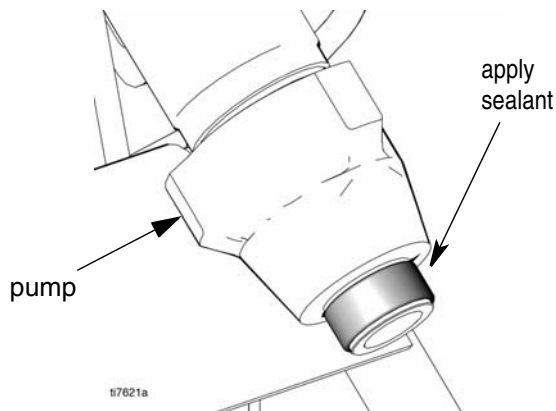
6. To purge air from hydraulic lines, increase pressure enough to start hydraulic motor stroking and allow fluid to circulate for 15 seconds. Turn pressure down, turn prime valve horizontal (Off).



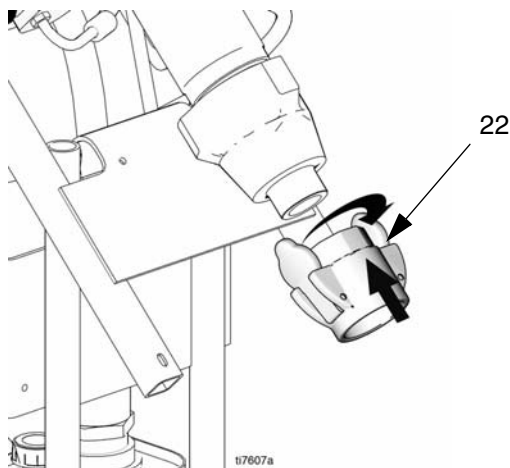
# Using Direct Immersion

						
<b>MOVING PARTS HAZARD</b> Moving parts can pinch or amputate fingers and other body parts. <ul style="list-style-type: none"> <li>• Keep clear of moving parts.</li> <li>• Do not operate equipment with protective guards or covers removed.</li> <li>• Pressurized equipment can start without warning. Before checking, moving, or servicing equipment, follow the <b>Pressure Relief Procedure</b> in this manual. Disconnect power or air supply.</li> </ul>						

1. Apply pipe thread sealant (25) over male threads on pump.

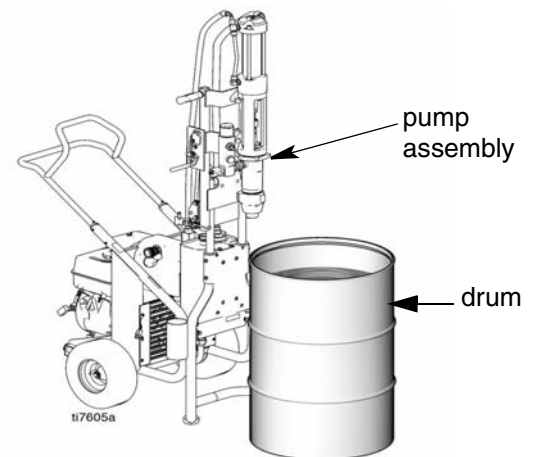


2. Attach female camlock (22) from kit over male threads on pump. Tighten securely.

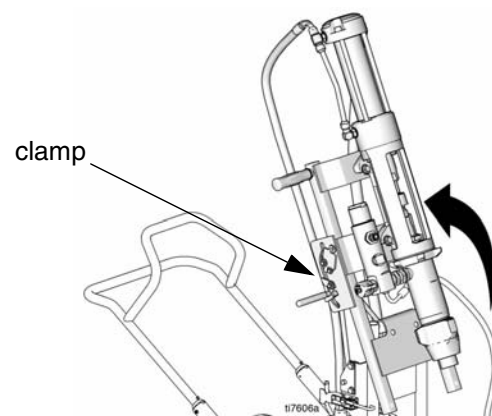


6. Install strainer (23) to bottom of intake tube (24).

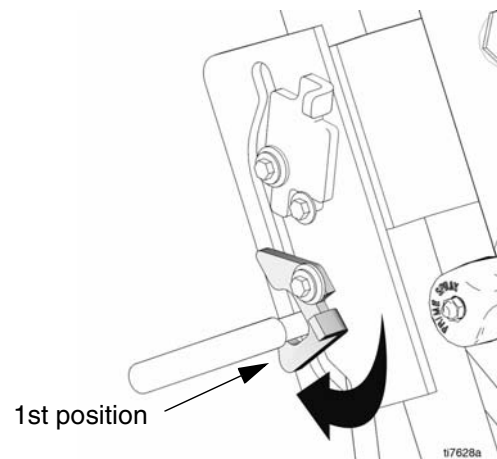
3. Position 55 gallon drum under pump assembly.

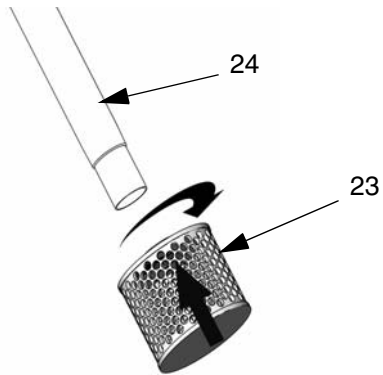


4. Unclamp and tilt tower/bracket back to first position.

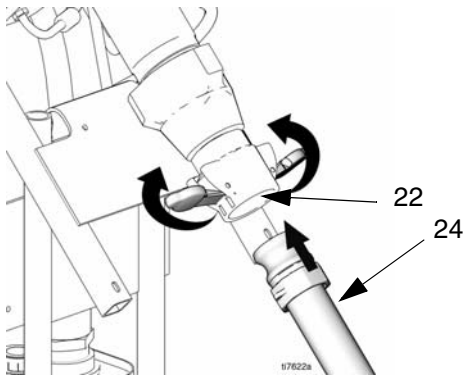


5. Lock clamp into 1st position.

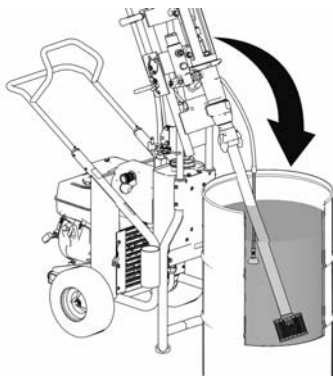




7. Instal intake tube (24). Lock camlocks (22) to hold tube securely in place.

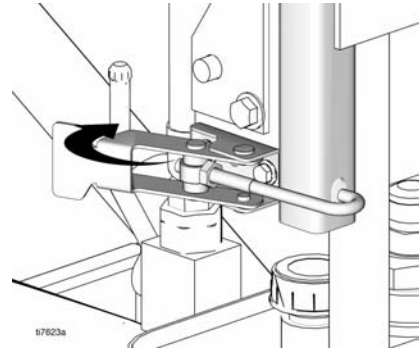


8. Lower tube into 55 gallon drum.

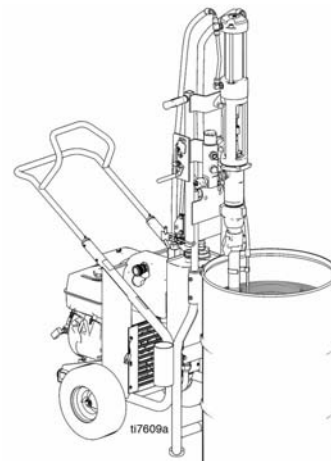


2. Unlock camlocks (22) and remove intake tube (24).

9. Lock tower/bracket in place.

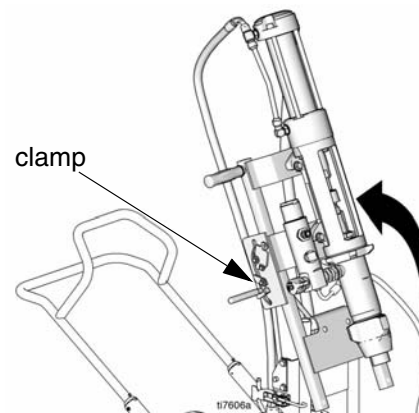


10. Ready to use.

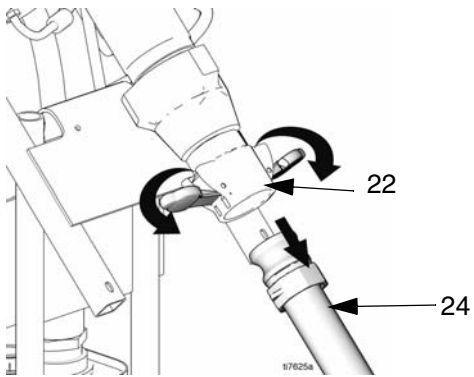


## Changing Drums

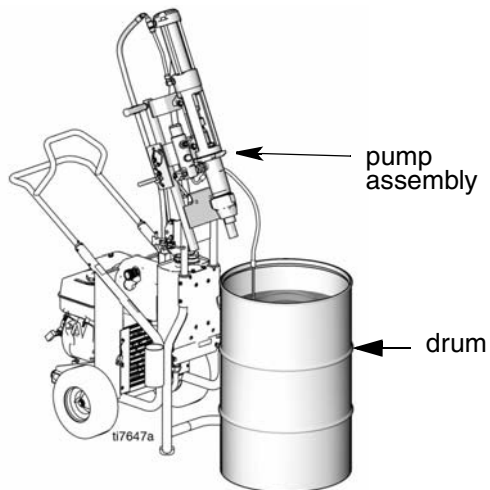
1. Tilt tower/bracket back and clamp securely in first position.



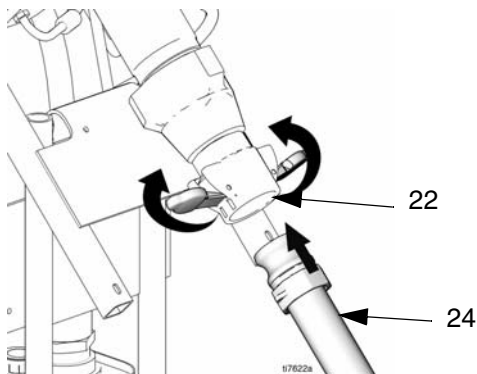




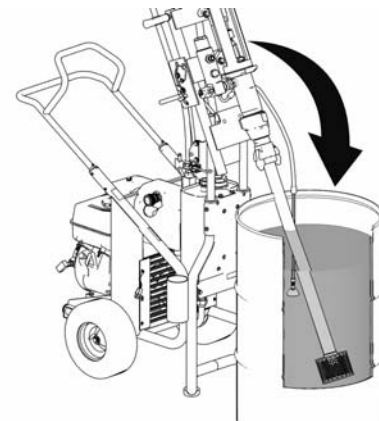
3. Move unit and align new drum under pump assembly.



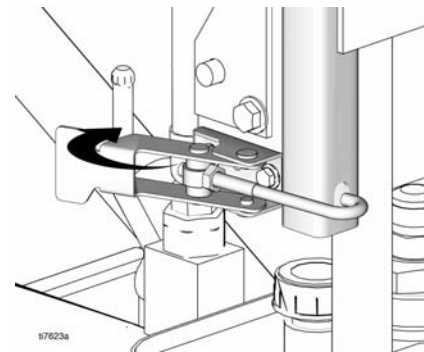
4. Install intake tube (24). Lock camlocks (22) to hold tube securely in place.



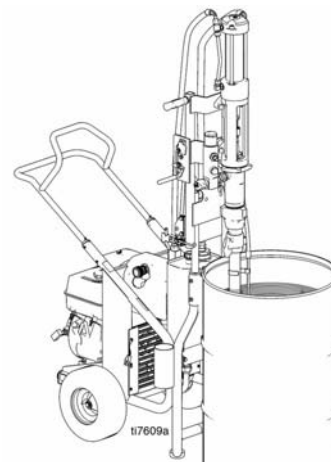
5. Lower tube into 55 gallon drum.



6. Lock tower/bracket in place.



7. Ready to use.

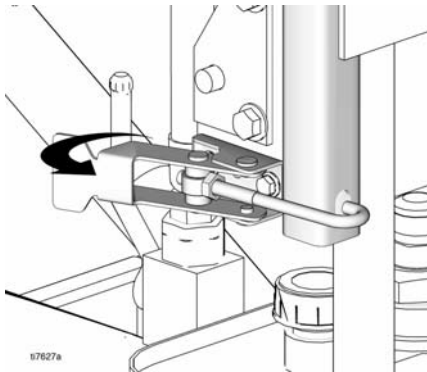


# Transporting Unit

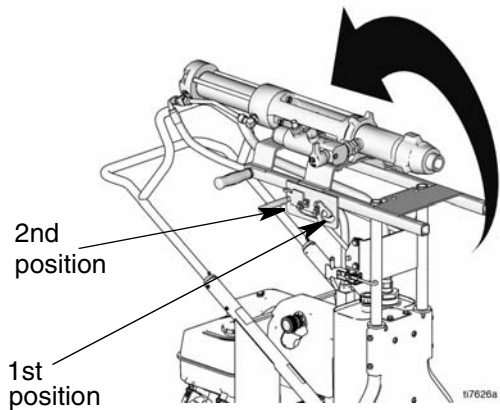
## CAUTION

Do not transport unit with head in vertical position. When transporting unit securely tie down in vehicle or follow instructions for fixed mounting to vehicle, page 2.

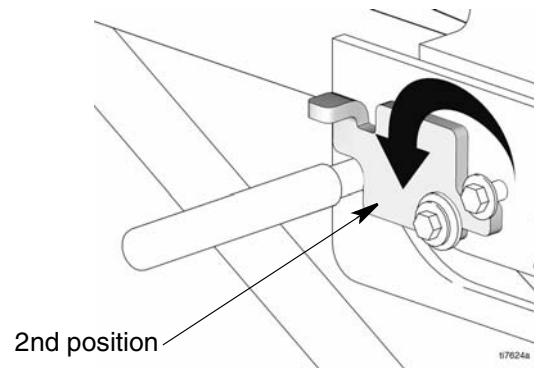
1. Unlock tower/bracket.



2. Tip tower/bracket back 90° to 2nd position for transporting.

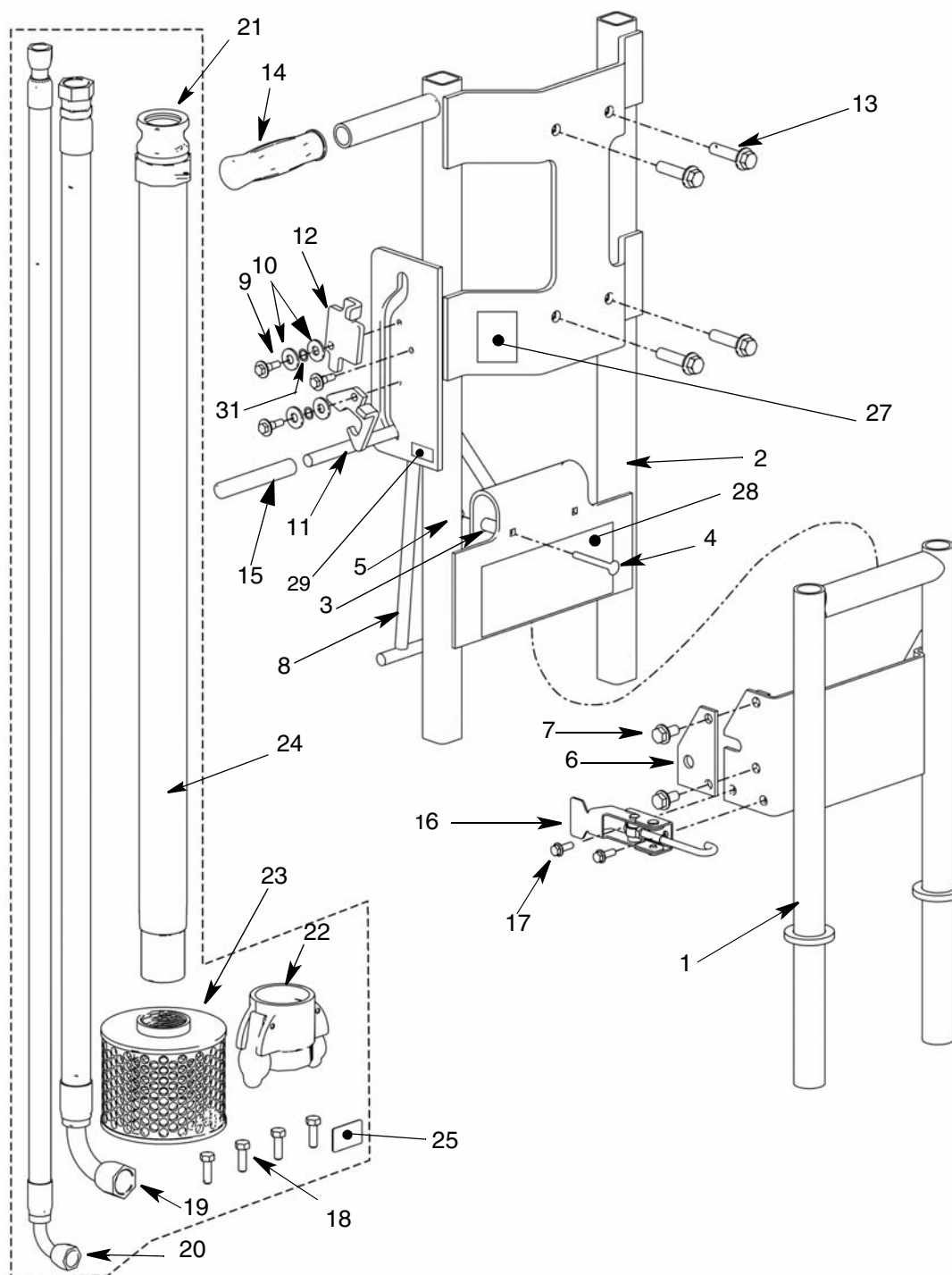


3. Lock in place.



# Parts

FN	Part No.	Description	Qty	FN	Part No.	Description	Qty
1	287897	SUPPORT, frame	1	17	113796	SCREW, flanged, hex hd	2
2	287896	FRAME, 55 gallon lift	1	18	114251	SCREW, cap, hex hd	4
3	188622	SPACER	2	19	15H265	HOSE, coupled	1
4	116630	SCREW	2	20	15H268	HOSE, coupled	1
5	102040	NUT, lock, hex	2	21	120307	FITTING, hose adapter	1
6	15H478	PLATE, retainer	1	22	120308	FITTING, hose adapter	1
7	112395	SCREW, cap, flnghd	2	23	189091	STRAINER	1
8	288037	BRACE, tilt, back	1	24	15H254	TUBE, inlet	1
9	119872	SCREW, shoulder	3	25	119400	SEALANT	1
10	100023	WASHER, flat	4	27▲	15H619	LABEL, warning	2
11	15H496	LATCH, liftkit, lower	1	28	15H618	LABEL	1
12	15H495	LATCH, liftkit, upper	1	29	192840	LABEL	1
13	120226	SCREW, hex hd, flange	4	31	120445	WASHER, wave	2
14	108063	GRIP, handle	1	▲ Replacement Danger and Warning labels, tags, and cards are available at no cost.			
15	114808	CAP, vinyl	1				
16	195550	LATCH, adjustable	1				



All written and visual data contained in this document reflects the latest product information available at the time of publication.  
 Graco reserves the right to make changes at any time without notice.  
 MM 311493

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