

Hose or Cord and Light Reel Enclosure

3A2828E

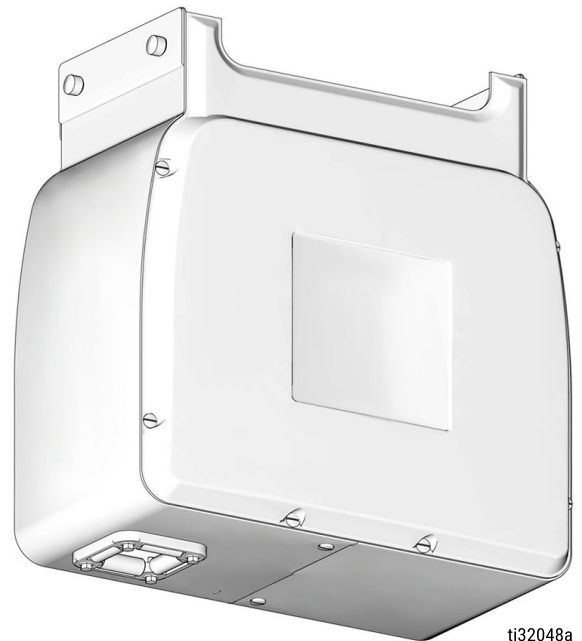
EN

For installing a reel enclosure on a Graco Hose or Cord and Light Reel. For professional use only.



Important Safety Instructions

Read all warnings and instructions in this manual and in the SD™ and XD™ Series Hose Reel Instruction manual or the SD Series Cord and Light Reel Instruction manual before using the equipment. Save all instructions.



ti32048a

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Related Manuals

Manual in English	Description
3A2592	SD Series™ Cord and Light Reel

Hose Reel Models

- For each reel bank: order one (1) End Panel kit and one (1) Mounting Panel kit for each reel.
- Before installing the Hose Reel Enclosure, install the hose on the reel and adjust the spring tension accordingly. See the Hose Reel Installation manual.

HP Models: Enclosed Mounting Channel Kits

FN	Description	203521 1 Reel	203522 2 Reels	203523 3 Reels	203524 4 Reels	203525 5 Reels	203526 6 Reels
102	SCREW, 3/8 in. - 16 x 5/8 in.	4	8	12	16	20	24
103	WASHER, lock, 3/8 in.	4	8	12	16	20	24
105	CHANNEL, mounting	1	1	1	1	1	1

HS Models: Enclosed Mounting Channel Kits

FN	Description	24N323 1 Reel	24N324 2 Reels	24N325 3 Reels	24N326 4 Reels	24N327 5 Reels	24N328 6 Reels
102	SCREW, 3/8 in. - 16 x 5/8 in.	4	8	12	16	20	24
103	WASHER, lock, 3/8 in.	4	8	12	16	20	24
105	CHANNEL, mounting	1	1	1	1	1	1

HP Models: Side Panel Kits

FN	Description	Part Number - Reel Size - Color					
		203521 1 Reel	203522 2 Reels	203523 3 Reels	203524 4 Reels	203525 5 Reels	203526 6 Reels
301	SCREW, M6 x 1.0 x 20	4	4	4	4	4	4
302	BASE, reel, enclosed, black	1	1	1	1	1	1
303	PLATE, hold down	1	1	1	1	1	1
304	SCREW, 3/8 in. -16 x 5/8 in.	1	1	1	1	1	1
305	WASHER, lock, 3/8 in.	1	1	1	1	1	1
306	SCREW, thumb, 3/8 in. - 16 x 1/2 in.	4	4	4	4	4	4
307	PANEL, side	1	1	1	1	1	1
308	PANEL, side	1	1	1	1	1	1
309	SCREW, #10 - 24 x 5/8 in.	2	2	2	2	2	2
310	NUT, spring	2	2	2	2	2	2
312*	SCREW, M6 x 1.0 x 2.0	4	4	4	4	4	4

*Provided in kit but not for use with reel. Use FN 301.

HS Models: Side Panel Kits

FN	Description	Part Number - Reel Size - Color					
		203521 1 Reel	203522 2 Reels	203523 3 Reels	203524 4 Reels	203525 5 Reels	203526 6 Reels
301	SCREW, M6 x 1.0 x 20	4	4	4	4	4	4
302	BASE, reel, enclosed, black	1	1	1	1	1	1
303	PLATE, hold down	1	1	1	1	1	1
304	SCREW, 3/8 in. - 16 x 5/8 in.	1	1	1	1	1	1
305	WASHER, lock, 3/8 in.	1	1	1	1	1	1
306	SCREW, thumb, 3/8 in. - 16 x 1/2 in.	4	4	4	4	4	4
307	PANEL, side	1	1	1	1	1	1
308	PANEL, side	1	1	1	1	1	1
309	SCREW, #10 - 24 x 5/8 in.	2	2	2	2	2	2
310	NUT, spring	2	2	2	2	2	2
312*	SCREW, M6 x 1.0 x 2.0	4	4	4	4	4	4

*Provided in kit but not for use with reel. Use FN 301.

HP Models: End Panel Kits

FN	Description	24A950-10 24A951 - 20
401	NUT, spring	12
402	SCREW, 10 - 24 x 5/8 in.	12
403	PANEL, end	2
404	LABEL, Graco logo	2

HS Models: End Panel Kits

FN	Description	24A950-10 24A951 - 20
401	NUT, spring	12
402	SCREW, 10 - 24 x 5/8 in.	12
403	PANEL, end	2
404	LABEL, Graco logo	2

Cord and Light Reel Kits

Enclosed Channel Mounting kits are available from Graco and installation instructions are included with the kit. Contact Graco Customer Service for additional information on ordering the kits.

- For each reel bank order:
 - one (1) End Panel kit;
 - one (1) Mounting Panel; and
 - one (1) Side Panel kit per reel.
- Before installing the Hose Reel Enclosure, adjust the spring tension accordingly. See the Hose Reel Installation manual.
- Size 5 kits include a mounting bracket (311) that allows the reel to be installed in an enclosure.
- Kit 24P164 is required when using an existing SD enclosure with a Size 5 reel.
- Kit 24P880 is required when using an existing SD Series 20 enclosure with a Size 5 reel.
- Kit 24P881 is required when using an existing SD Series 20 enclosure with a Size 10 reel.

Size 5/Size 10 Enclosed Mounting Channel Kits

FN	Description	24N323 1 Reel	24N324 2 Reels	24N325 3 Reels	24N326 4 Reels	24N327 5 Reels	24N328 6 Reels
101	SCREW, 3/8 in. - 16 x 5/8 in.	4	8	12	16	20	24
102	WASHER, lock, 3/8 in.	4	8	12	16	20	24
103	CHANNEL, mounting	1	1	1	1	1	1

Size 5 / Size 10 Side Panel Kits

FN	Description	Size 5	Size 10	Size 5	Size 10	Size 5	Size 10	Size 5	Size 10	Size 5	Size 10	Size 5	Size 10
		24N682	24A940	24N683	24A941	24N684	24A942	24N685	24A944	24N690	24A217	24N691	24A943
		Metallic Blue		Red		Black		Yellow		White		Dark Blue	
301	SCREW, M6 x 1.0 x 20	-	4	-	4	-	4	-	4	-	4		4
302	BASE, reel, enclosed, black	1	1	1	1	1	1	1	1	1	1	1	1
303	PLATE, hold down	1	1	1	1	1	1	1	1	1	1	1	1
304	SCREW, 3/8 in. - 16 x 5/8 in.	5	1	5	1	5	1	5	1	5	1	5	1
305	WASHER, lock, 3/8 in.	5	1	5	1	5	1	5	1	5	1	5	1
306	SCREW, thumb, 3/8 in. - 16 x 1/2 in.	4	4	4	4	4	4	4	4	4	4	4	4
307	PANEL, side	1	1	1	1	1	1	1	1	1	1	1	1
308	PANEL, side	1	1	1	1	1	1	1	1	1	1	1	1
309	SCREW, #10 - 24 x 5/8 in.	2	2	2	2	2	2	2	2	2	2	2	2
310	NUT, spring	2	2	2	2	2	2	2	2	2	2	2	2
312*	SCREW, M6 x 1.0 x 2.0	1	-	1	-	1	-	1	-	1	-	1	-









*Provided in kit but not for use with reel. Use FN 301.

Size 5 / Size 10 End Panel Kits

FN	Description	24A950-10 24A951 - 20
401	NUT, spring	12
402	SCREW, 10 - 24 x 5/8 in.	12
403	PANEL, end	2
404	LABEL, Graco logo	2

Warnings

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

 WARNING	
    	<p>SKIN INJECTION HAZARD</p> <p>High-pressure fluid from dispensing device, 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.</p> <ul style="list-style-type: none"> • Do not point dispensing device at anyone or at any part of the body. • Do not put your hand over the fluid outlet. • Do not stop or deflect leaks with your hand, body, glove, or rag. • Follow the Pressure Relief Procedure when you stop dispensing 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.
 	<p>FIRE AND EXPLOSION HAZARD</p> <p>When flammable fluids are present in the work area, such as gasoline and windshield wiper fluid, be aware that flammable fumes can ignite or explode. To help prevent fire and explosion:</p> <ul style="list-style-type: none"> • Use equipment only in well-ventilated area. • Eliminate all ignition sources, such as cigarettes and portable electric lamps. • Ground all equipment in the work area. • Keep work area free of debris, including rags and spilled or open containers of solvent and gasoline. • Do not plug or unplug power cords or turn lights on or off when flammable fumes are present. • Use only conductive hoses. • 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.

Installation



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 dispensing and before cleaning, checking, or servicing the equipment.

Reels are heavy and may be difficult to mount without assistance. (See Technical Data in all reel installation manuals for the weights of reels and accessories.)

To reduce the risk for injury:

- Be sure the mounting surface and bolts are strong enough to support the reel's weight and stress caused by hard pulls on the accessory.
- When you are mounting a reel overhead, always use a lift truck and **be sure it is secure before lowering the lift truck.**

NOTE: The air and fluid accessories required for your pump must be properly sized to the pump. Refer to your pump manual for selecting pump accessories.

Grounding



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: follow manufacturer's recommendations.

Hose reels: connect to a true earth ground when dispensing petroleum products. This can be done by bolting the reel to a grounded structure, or by using a conductive inlet hose to connect to a grounded piping system.

Fluid hoses: use only conductive hoses when dispensing petroleum products.

Dispense valves: use thread sealant when connecting the meter to the hose. Do not use PTFE tape on the pipe joints, as it may cause loss of ground across the pipe joint.

Waste container while flushing: use a grounded metal container. Hold the hose coupling or metal part of the meter firmly to the side of the waste container while flushing. Fluid Line

Required Components

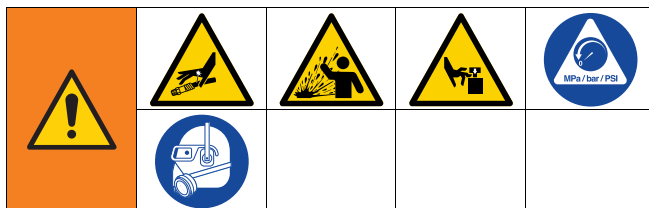
Be sure to have the following components before beginning installation.

- Hose Inlet kits (L)
- Reel mounting bases, mounting brackets, and mounting channels (P)
- Dispense valves (N)

Pressure Relief Procedure



Follow the Pressure Relief Procedure whenever you see this symbol.



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 dispensing and before cleaning, checking, or servicing the equipment.

1. Turn off the power supply to the pump or close the upstream ball valve.
2. Trigger the dispense valve into a waste container to relieve pressure.
3. Open any bleed-type master air valves and fluid drain valves in the system.
4. Leave the drain valve open until ready to pressurize the system.

NOTE: If you suspect that the dispense valve or extension is clogged, or that the pressure has not been fully relieved after following the above steps, very slowly loosen the coupler or hose end coupling to relieve the pressure gradually, then loosen completely. After doing this, the obstruction can be cleared.

Flush the Equipment



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.

Before installation of the dispense valve to the end of the hose, flush the line with the fluid being dispensed.

1. Place the end of the hose into a grounded metal waste container. Hold the hose firmly against the waste container throughout the flushing process (FIG. 1).

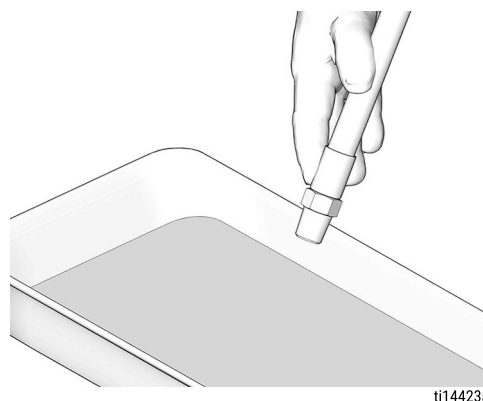


FIG. 1

2. Blow out the entire lubricant supply line with air (FIG. 2).

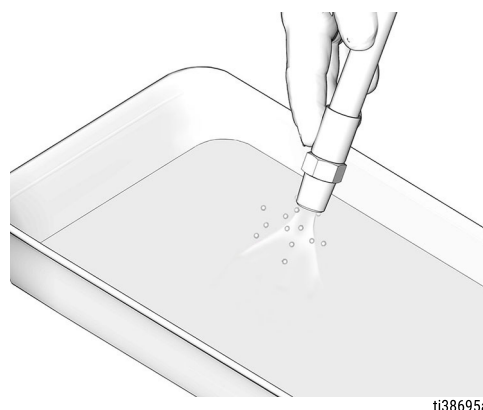


FIG. 2

3. Flush the fluid being dispensed through the equipment until the fluid runs clear (FIG. 3).

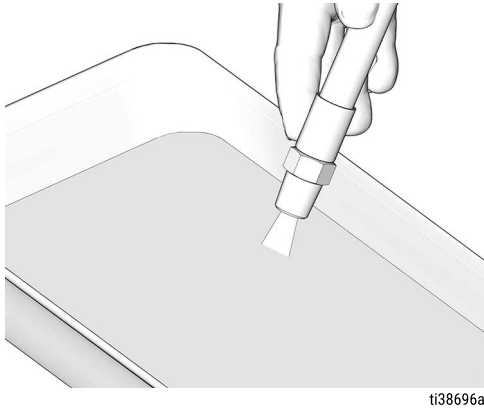


FIG. 3

Hose Reel Enclosure Installation

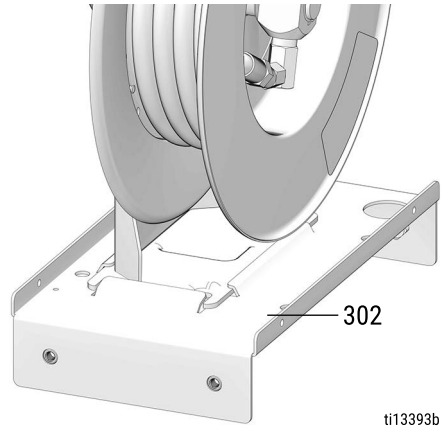
The reference letters and numbers used in the following instructions, unless otherwise noted, refer to FIG. 19.



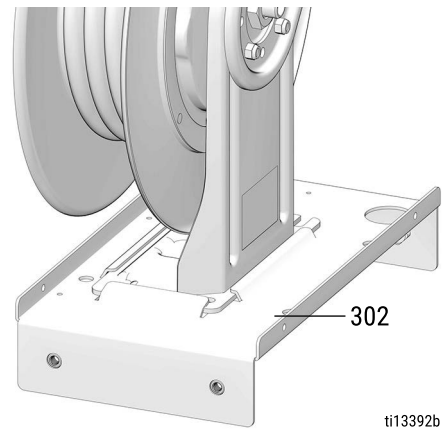
1. Use the mounting channel (103) to lay out the position of the mounting holes.
2. Drill the mounting holes.

NOTE: SD Reels Only - although the hose reel can be installed on the reel base (302), with the guide arm positioned on the left or the right side, there is only one correct installation position. When the hose reel is correctly installed in the reel base, the reel will be centered over the reel base (FIG. 4).

3. Position the hose reel on the base (302), making sure that the reel is correctly centered on the base (FIG. 4).



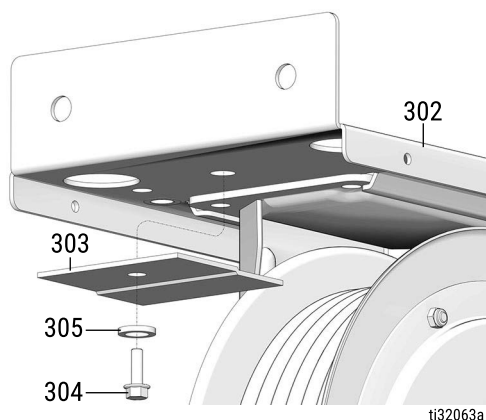
Correct



Incorrect

FIG. 4: SD Reels Only

4. Install the hold down plate (303) using screw (304) and washer (305) (FIG. 5).

**FIG. 5**

5. Remove the hose stop from the hose end and save the parts to reinstall onto the hose later.

Cord and Light Reel Enclosure Installation

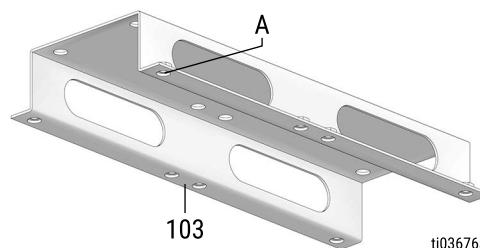
The reference letters and numbers used in the following instructions, unless otherwise noted.



NOTE: Additional installation information for models with light accessories and GFCI models are included in your reel instruction manual.

1. Use the mounting channel (103) to lay out the position of the mounting holes.
2. Drill the mounting holes.
3. Secure the mounting channel (103) to the mounting surface (FIG. 6).

NOTE: The user must provide four (4) bolts and four (4) washers (A) that are strong enough to support the weight of the reel, cord, and accessories. See Technical Specifications in the SD Series Cord and Light Reel instruction manual for the reel's weight without accessories.

**FIG. 6**

Size 10 Installation

If installing Size 5 cord, reference page 13.

4. Bolt the base (302) to the mounting channel (103) (FIG. 7).

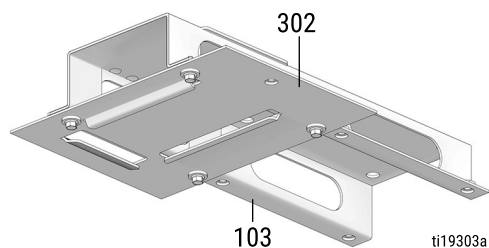
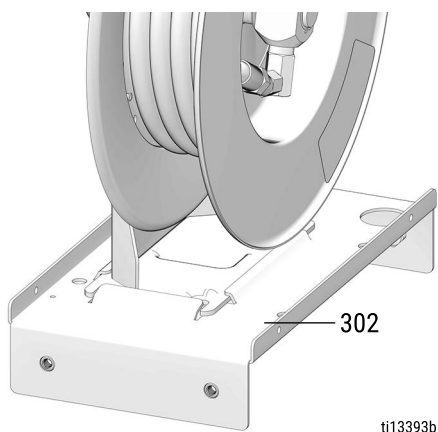


FIG. 7

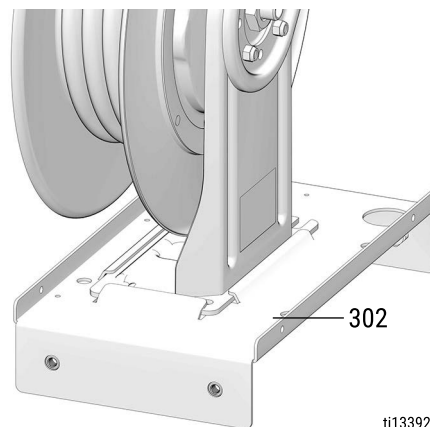
5. Position the reel onto the base (302), making sure that the reel is correctly centered on the base (FIG. 9 and FIG. 9).

NOTE: Although the reel can be installed on the reel base (302) with the guide arm positioned on the left or the right side, there is only one correct installation position. When the hose reel is correctly installed in the reel base, the reel will be centered over the reel base (FIG. 9).



Correct

FIG. 8



Incorrect

FIG. 9

6. Install the hold down plate (303) using screw (304) and washer (305) (FIG. 10).

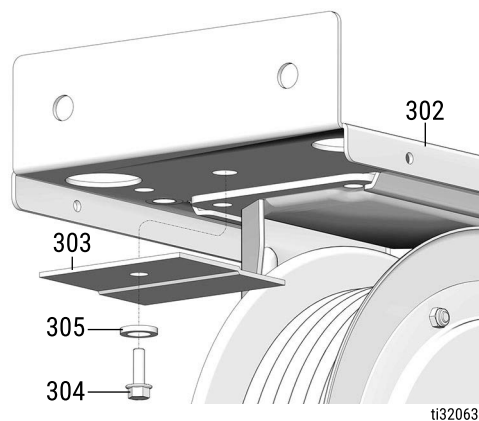


FIG. 10

7. Route the power cord through hole (B) in the base plate (302) (FIG. 11).

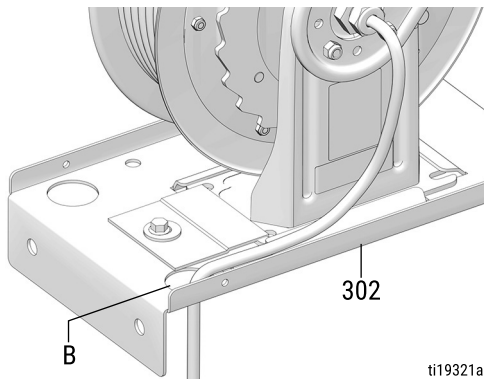


FIG. 11

8. Lock the reel.
9. Remove the hose stop from the hose end and put all of the parts in a secure place for re-installation on the new hose (FIG. 12).
 - a. Loosen and remove screws and nuts (FIG. 12).
 - b. Separate the two hose stop components to remove from the end of the hose (FIG. 12).

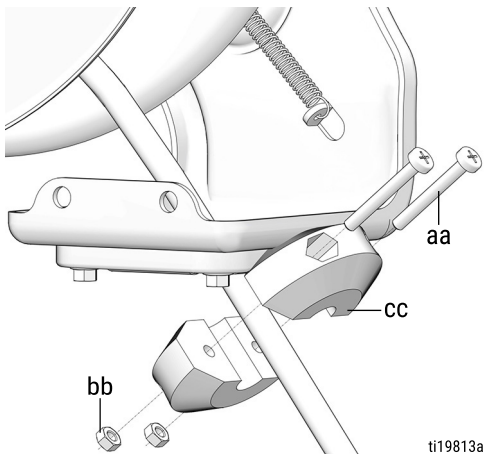


FIG. 12

- c. Loosen and remove the four screws (312) holding the reel guide (d) to the reel guide arm (c). Completely remove the reel guide and cord stop (FIG. 13).

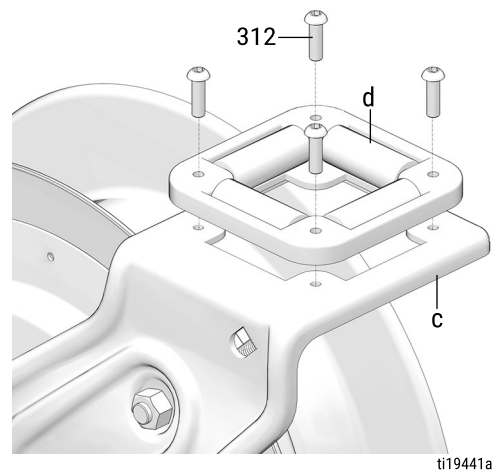


FIG. 13

- d. NOTE: Fig Fig. 14 shows the reel installed on the ceiling bracket.

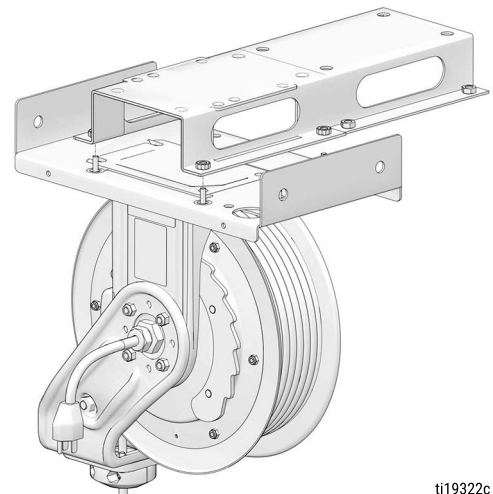


FIG. 14

10. Continue installation with **Enclosure Assembly**, page 14.

Size 5 Installation

Follow Steps 1 - 4 under **Cord and Light Reel Enclosure Installation**, page 11.

4. Bolt the mounting bracket (311) to the base of the reel with bolts (304) and washers (305) (FIG. 15).

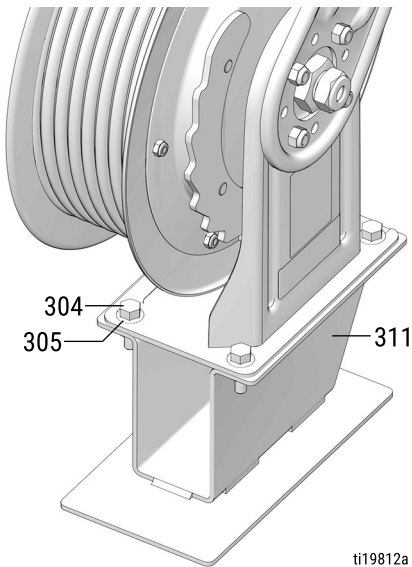


FIG. 15

5. Install the mounting bracket (311) into the slot of the mounting base (302) (FIG. 16).

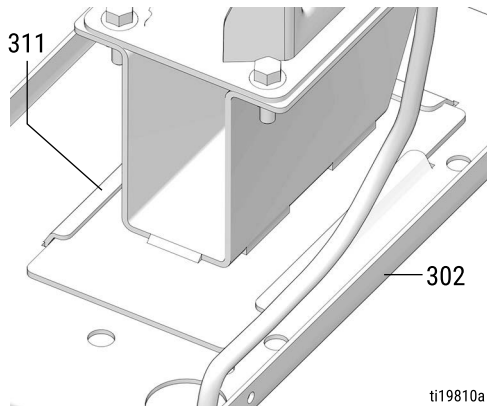


FIG. 16

6. Install the hold down plate (303) using bolts (304) and washers (305) (FIG. 17).

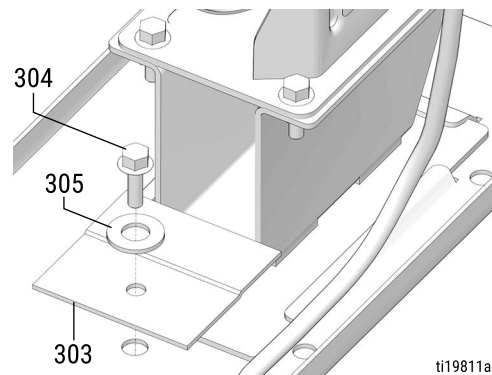


FIG. 17

7. Continue installation using the Enclosure Assembly instructions.

Enclosure Assembly

1. Slide one spring nut (310) over each position hole (a) on the side panels (307 and 308). Refer to the enlarged view shown in FIG. 19 for proper clip orientation.

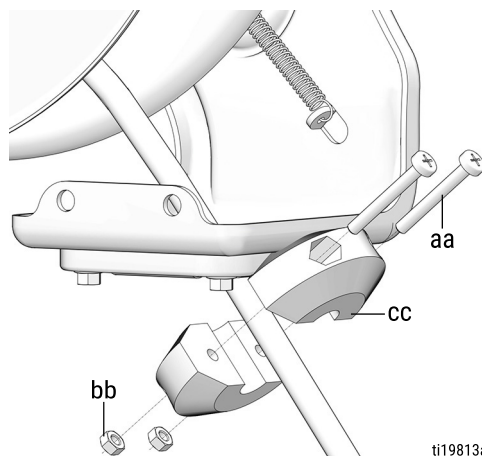
NOTE: If installing enclosures on a bank of reels where the alignment is critical, proceed to steps 6 through 10.

2. Slide the two panel sections (307 and 308) together to align clips (310)/holes (a) with mating holes (b) in the panel section. Insert and tighten the screws (309) to join the two side panels.

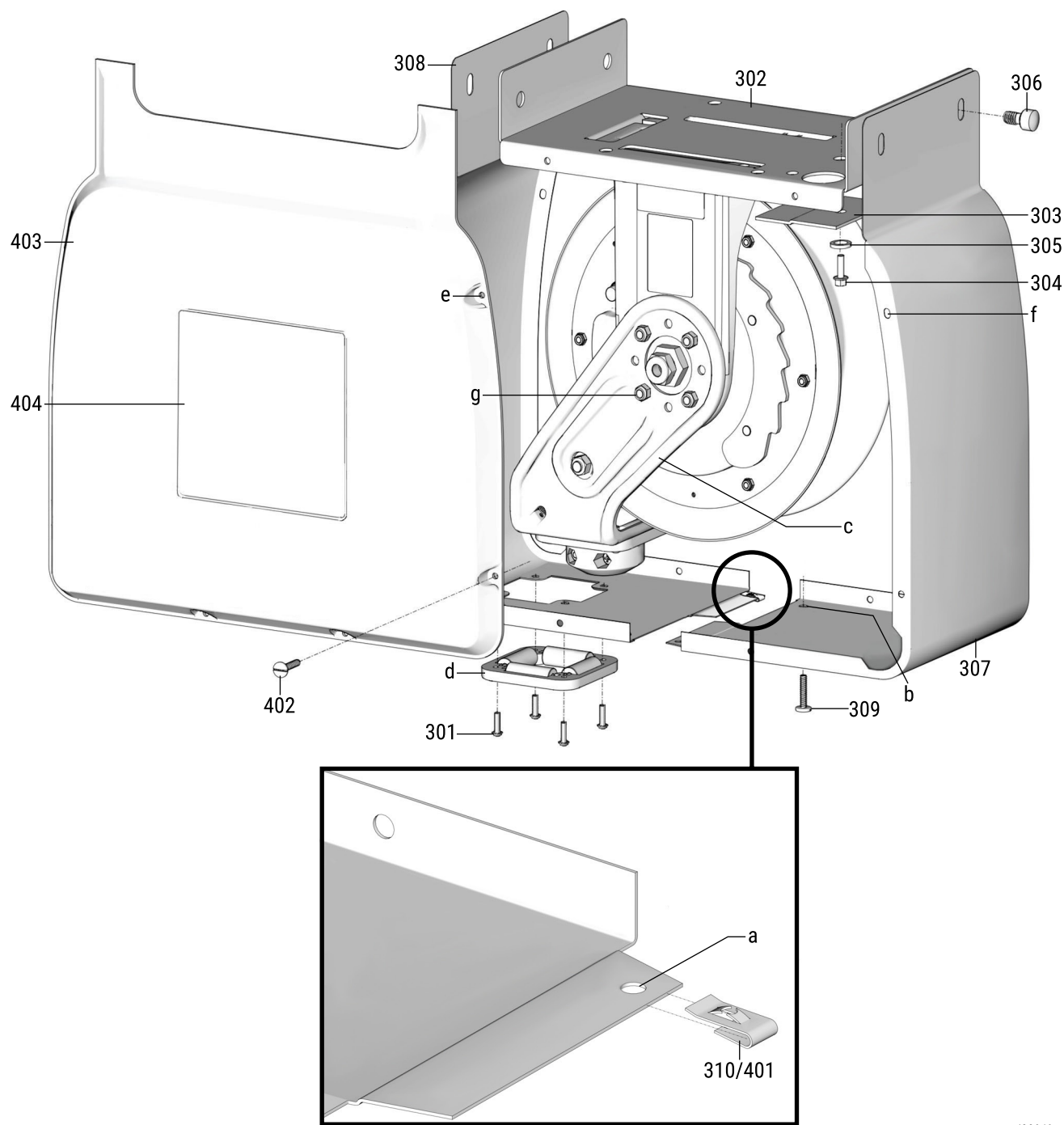
Enclosure Installation

3. Place enclosures over reel base (302).
4. Install four thumb screws (306), but do not tighten, to join side panels to the reel base (302). Align opening for roller guide (d) in panel (307) with end of guide arm (c).
5. Reinstall roller guide (d) to arm through the opening in panel (307). Install and tighten the 4 new screws (301) that came with the kit. Tighten the four thumb screws (306) until they are snug.
6. Install panels (308) with the hole for the roller guide with thumb screws (306), but do not tighten, to all reel bases (302) in the reel bank.

7. Align the opening for the roller guide in panel (308) with the end of the guide arm (c) then reinstall the roller guide (d) with the four new screws (301) that came with the kit.
 - Minor adjustments may be made to achieve proper alignment while tightening the four screws (301) for the roller guide. If more adjustment is needed, proceed to step 8. If alignment is correct, proceed to step 10.
 8. Start at one end of the reel bank, if the panel is not aligned, loosen the four nuts (g) on the guide arm (c), adjust the arm until the panel is aligned properly with the panel on either side, then tighten the nuts.
 9. Move to the next panel on the reel bank and repeat adjustments until all of the installed panels are properly aligned.
 10. Install panel (307) by sliding together with installed panel (308), align clops (310)/holes (a) with mating holes (b) in the panel section, loosely insert the thumb screws (306), then insert and tighten the screws (309) to join the two side panels together.
 11. Make any final minor adjustments while tightening the thumb screws (306) until they are snug.
- NOTE:** If installing end panels, continue with steps 12-14. If not installing end panels, continue installation with step 15.
- NOTE:** When installing side panels on a bank of reels (2 or more) one end panel is installed on each end of the series of reels.
12. Slide one clip (401) over each hole (b) on both side panels (307/308). Refer to the enlarged view shown in FIG. 19 for side panels to proper clip alignment.
 13. Match holes (e) in end panel (403) to mating holes (f) in a side panel. Install and tighten screws (402) to join the end and side panels together.
 14. Clean and dry off surface of each end panel. Attach a Graco label (404) to the center of each end panel.
 15. Position ball stop (cc) so hose extends far enough for all operators to reach dispensing valve.
 16. Insert screws (aa) through ball stop (cc) and hand tighten nuts (bb) to hold cord stop in place. If hose has a warning tag, hose stop should be installed on the same end as the warning tag.
 17. Install accessory to end of cord. See SD Series Cord and Light Reel instruction manual or the separate accessory instruction manual for installation instructions.

**FIG. 18**

Reel Enclosure



ti32049a

FIG. 19

Recycling and Disposal

End of Product Life

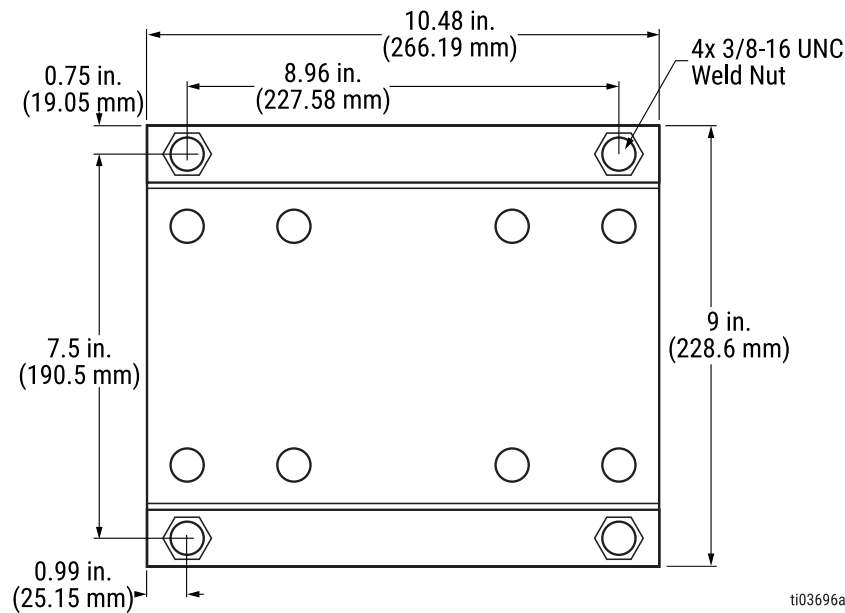
At the end of the product's useful life, dismantle and recycle it in a responsible manner.

- Perform the **Pressure Relief Procedure**, page 9.
- Drain and dispose of fluids according to applicable regulations. Refer to the material manufacturer's Safety Data Sheet.
- Deliver remaining product to a recycling facility.

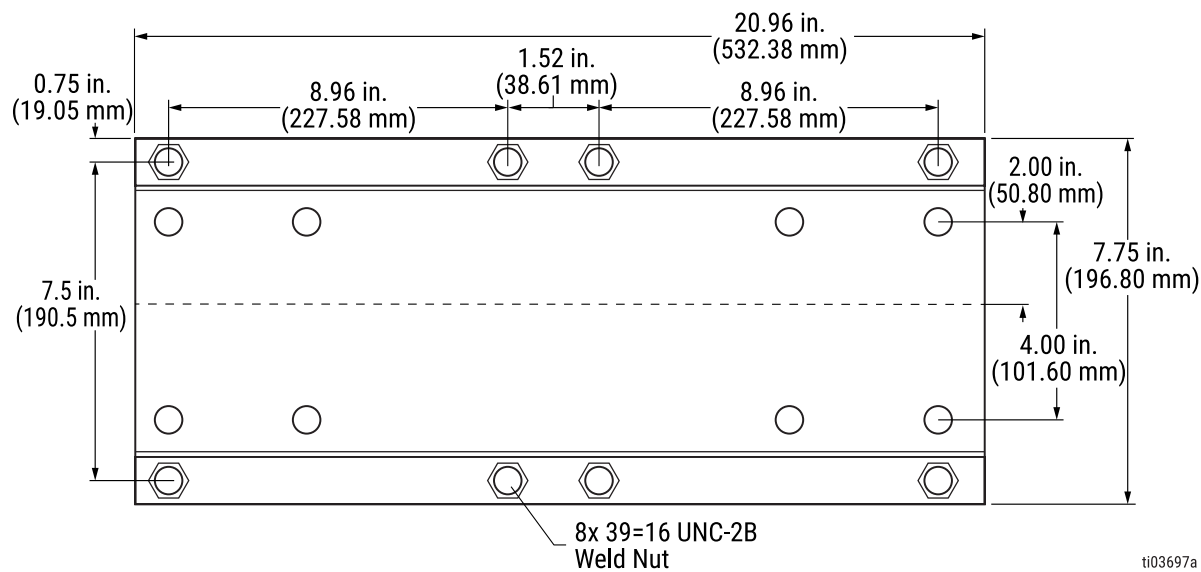
Dimensions

Mounting Channel Dimensions

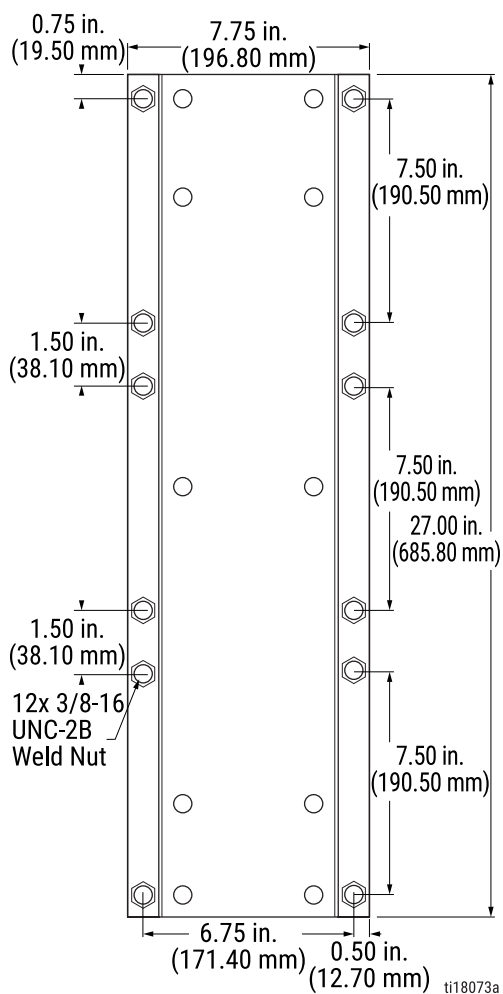
1 Reel Base – Included in Kits 24A934 / 203521



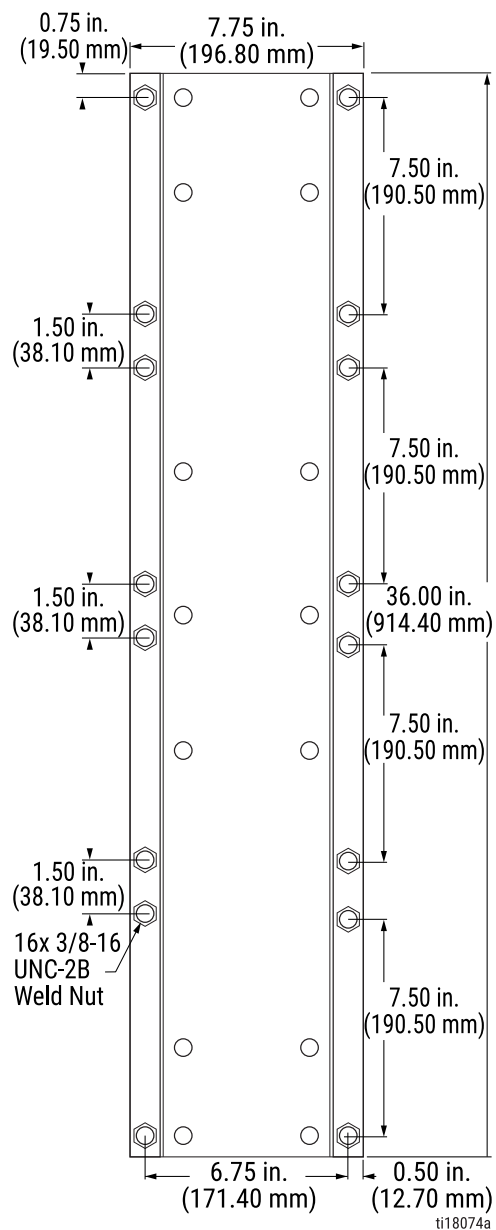
2 Reel Base – Included in Kits 24A935 / 203522



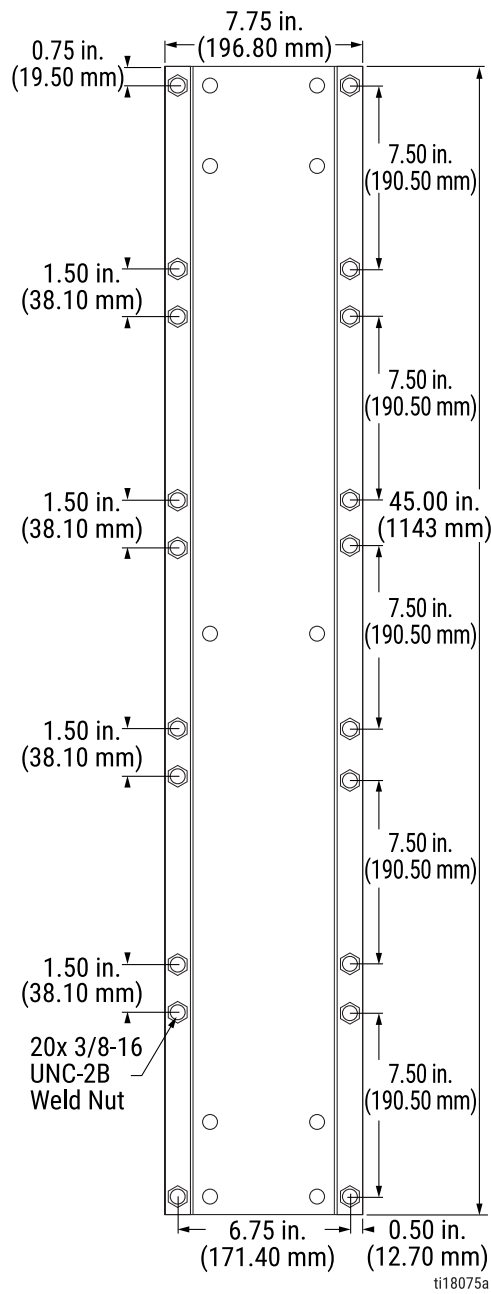
3 Reel Base Weldment – Included in Kits 24A936, 203523



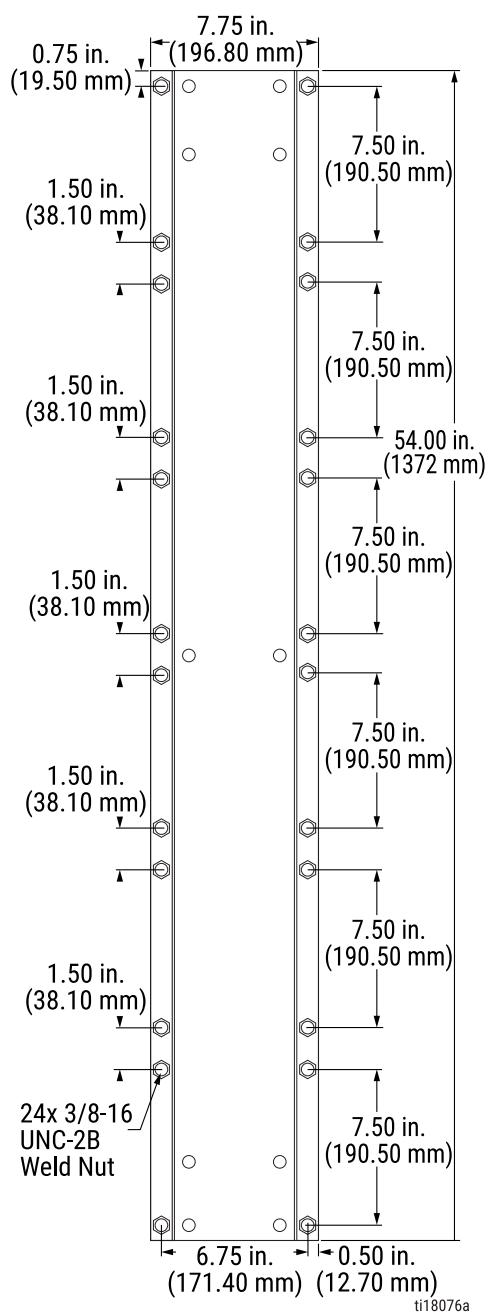
**4 Reel Base Weldment – Included in Kits
24A937, 203524**



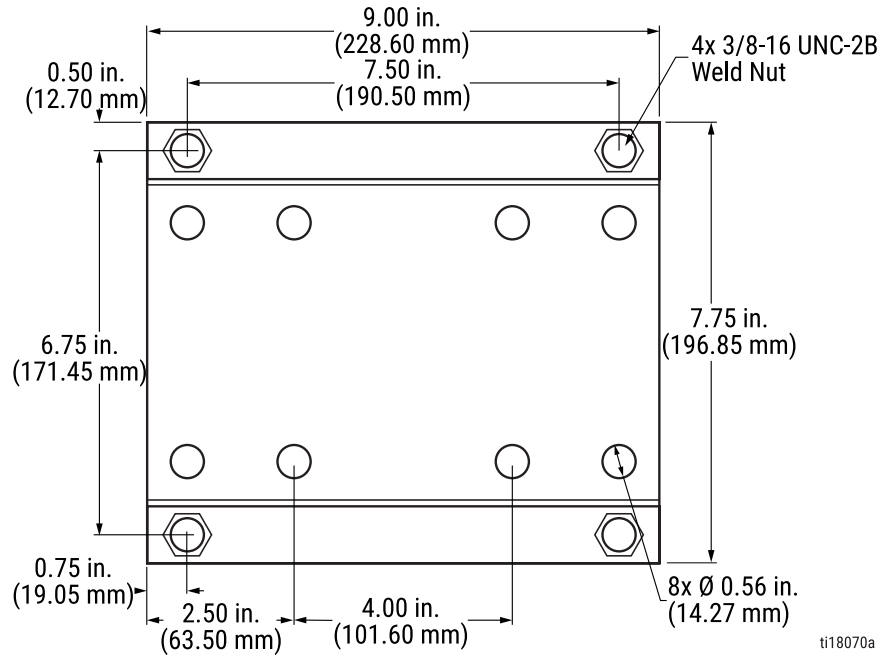
5 Reel Base Weldment – Included in Kits
24A938, 203525



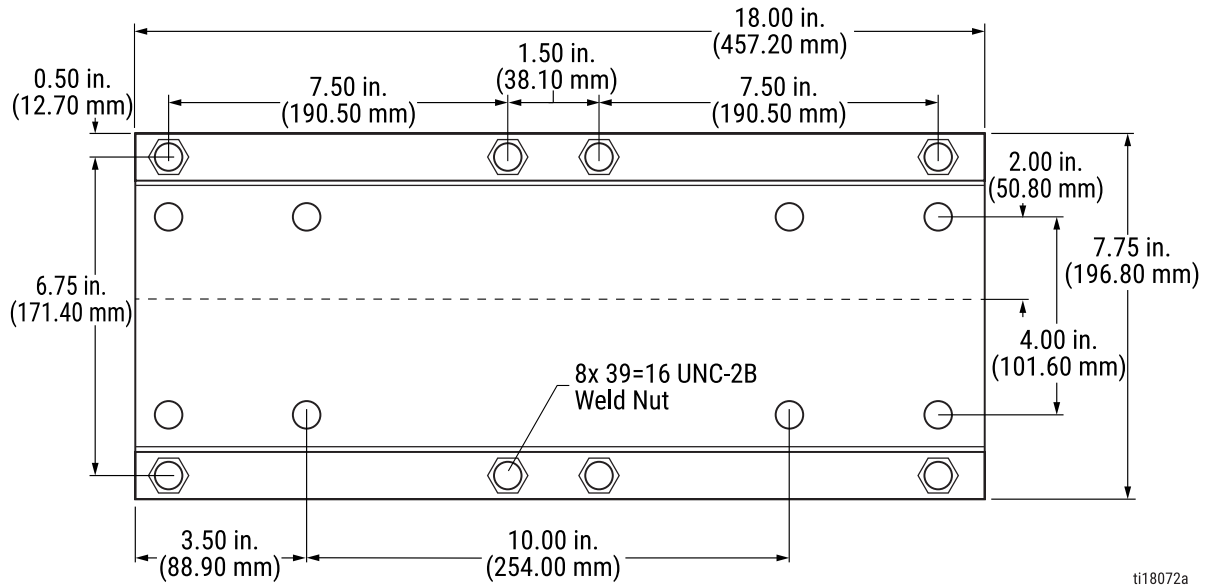
6 Reel Base Weldment – Included in Kits
24A939, 203526



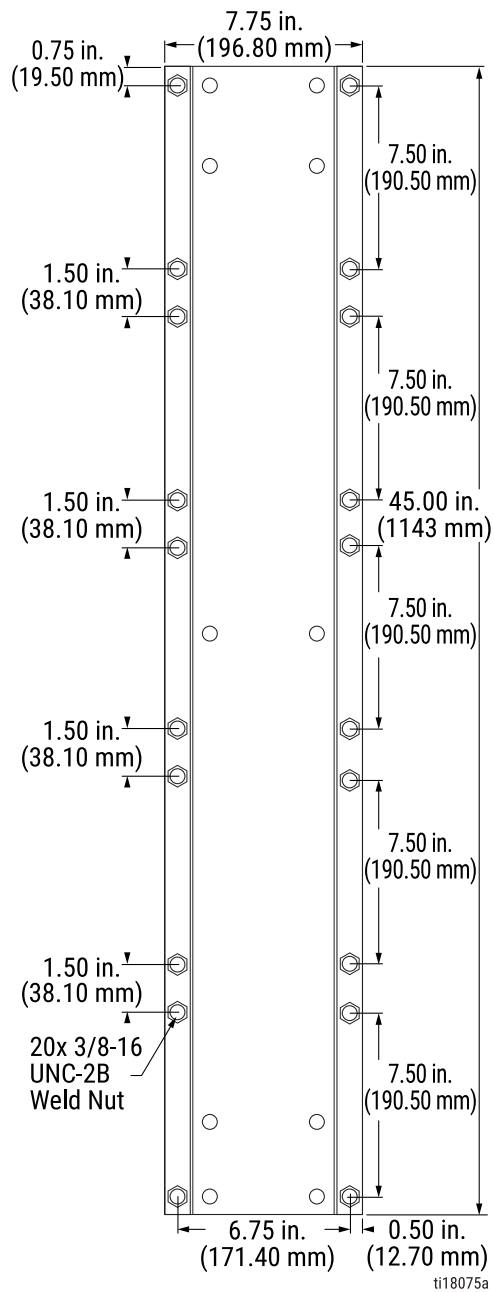
1 Reel Base – Included in Kit 24N323



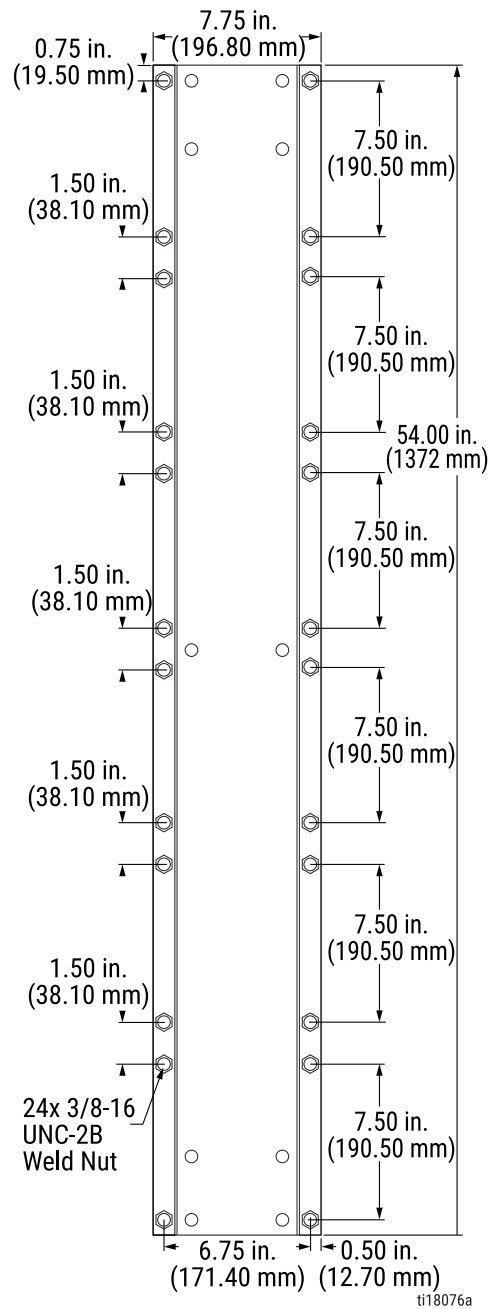
2 Reel Base – Included in Kit 24N324



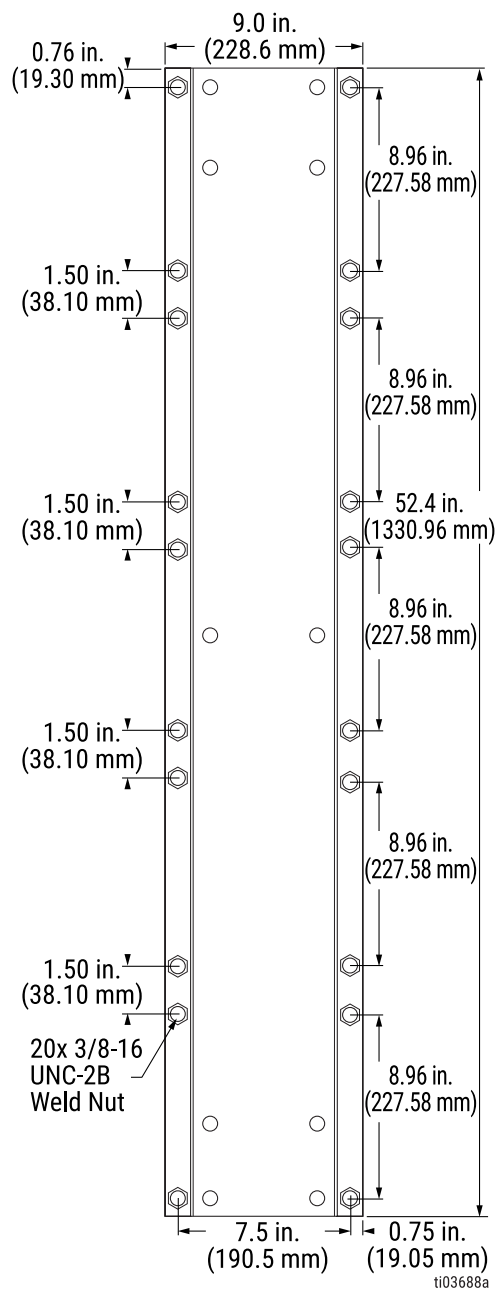
3 Reel Base Weldment – Included in Kit 24N325



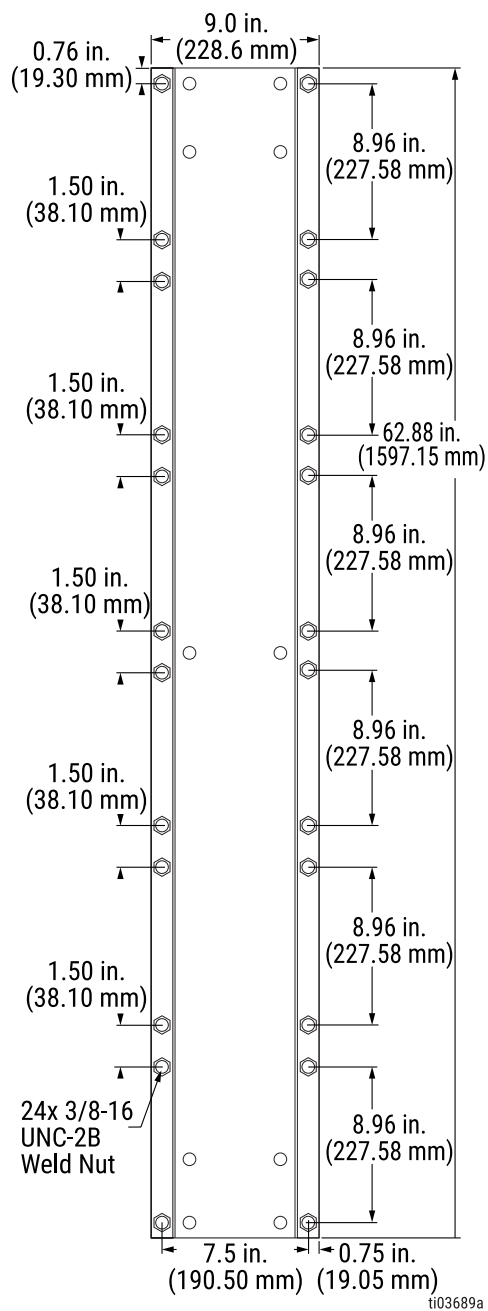
4 Reel Base Weldment – Included in Kit 24N326



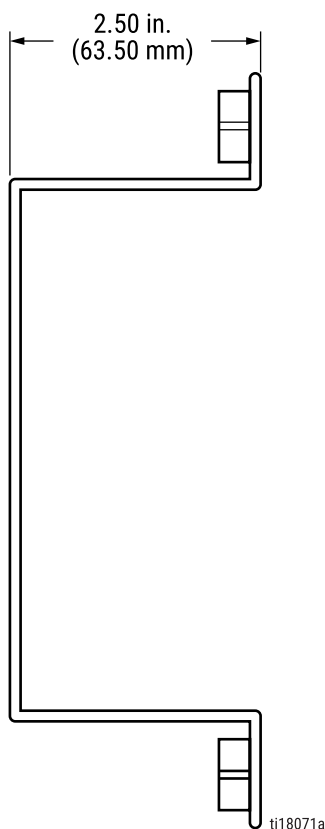
5 Reel Base Weldment – Included in kit 24N327



**6 Reel Base Weldment – Included in kit
24N328**



Side Dimension (All Models)



California Proposition 65

CALIFORNIA RESIDENTS

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

[illegible]

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Original instructions. This manual contains English. MM 3A2828

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