



INSTALLATION INSTRUCTIONS

Open 9000 EDU w/Electric Drive

110-0215

Related Instructions,
How-To Videos & More



[PDF: Electric Drive Conversion Kit](#)



[PDF: Bolt-On Mounting System](#)



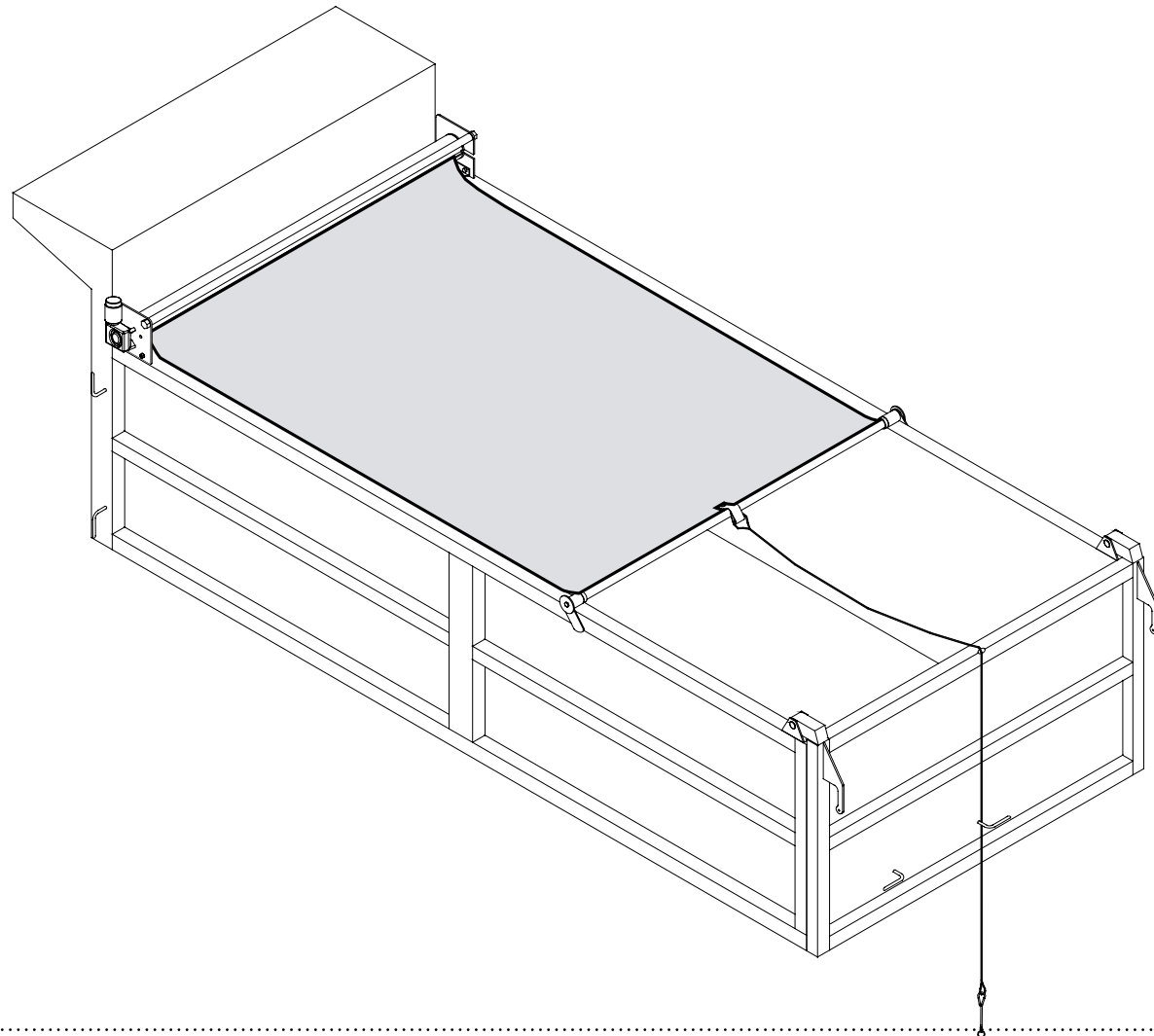
[PDF: Smart Switch Basic Kit](#)



[PDF: High Amp Switch Kit](#)



[Video: Electric Drive Unit Operation](#)



Document #: 607-0043
Revised: 01/14/22 WLH

DURING INSTALLATION, SOME FABRICATION MAY BE REQUIRED.



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INSTALLATION INSTRUCTIONS

Open 9000 EDU w/Electric Drive

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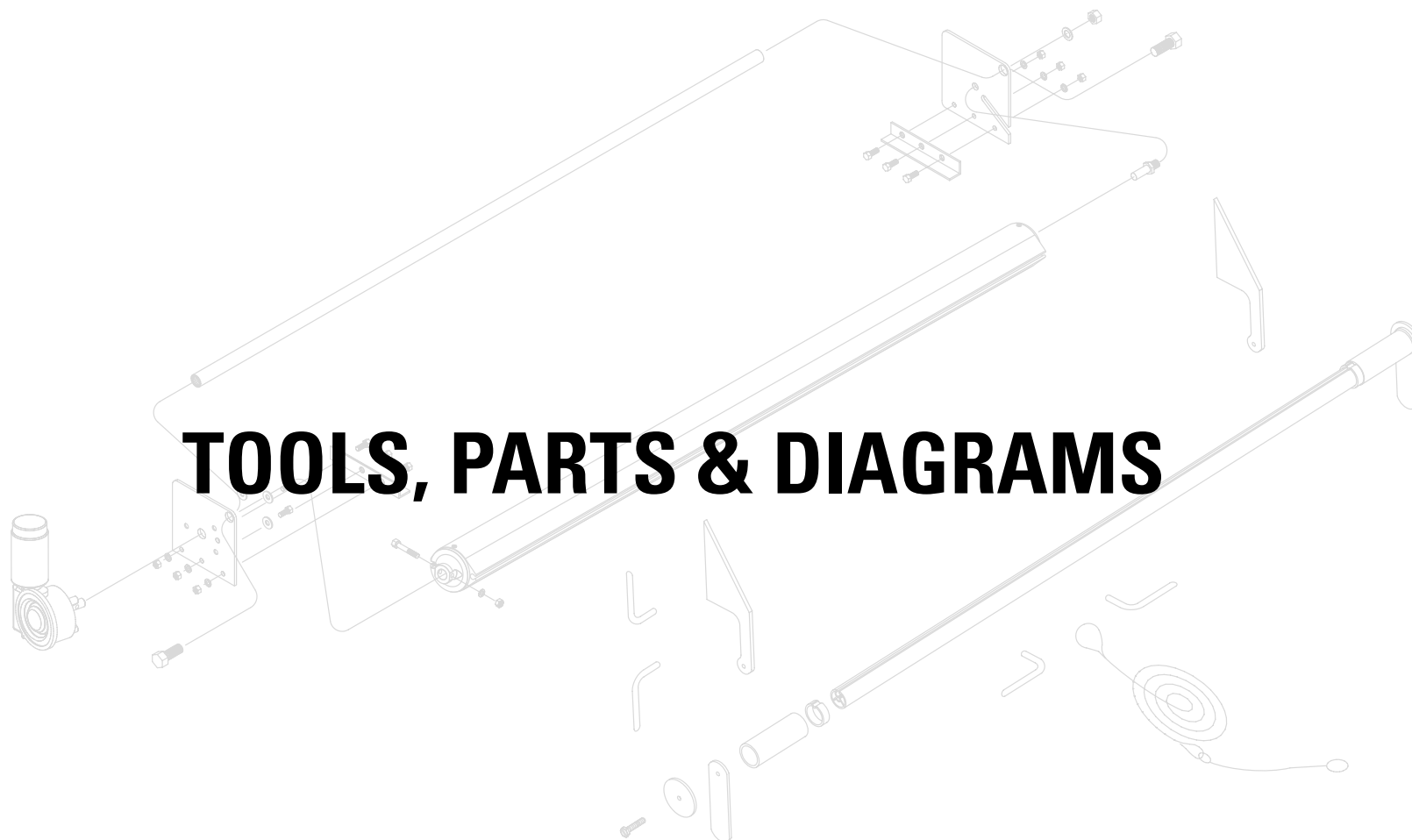


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INSTALLATION INSTRUCTIONS

Open 9000 EDU w/Electric Drive



TOOLS, PARTS & DIAGRAMS



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INSTALLATION INSTRUCTIONS

Open 9000 EDU w/Electric Drive

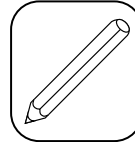
Recommended Tools



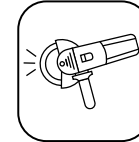
Safety Glasses and Gloves



Welding Equipment & Helmet



Pencil or Marker



Metal Grinder



Spray Paint



Tape Measure



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Open 9000 EDU w/Electric Drive

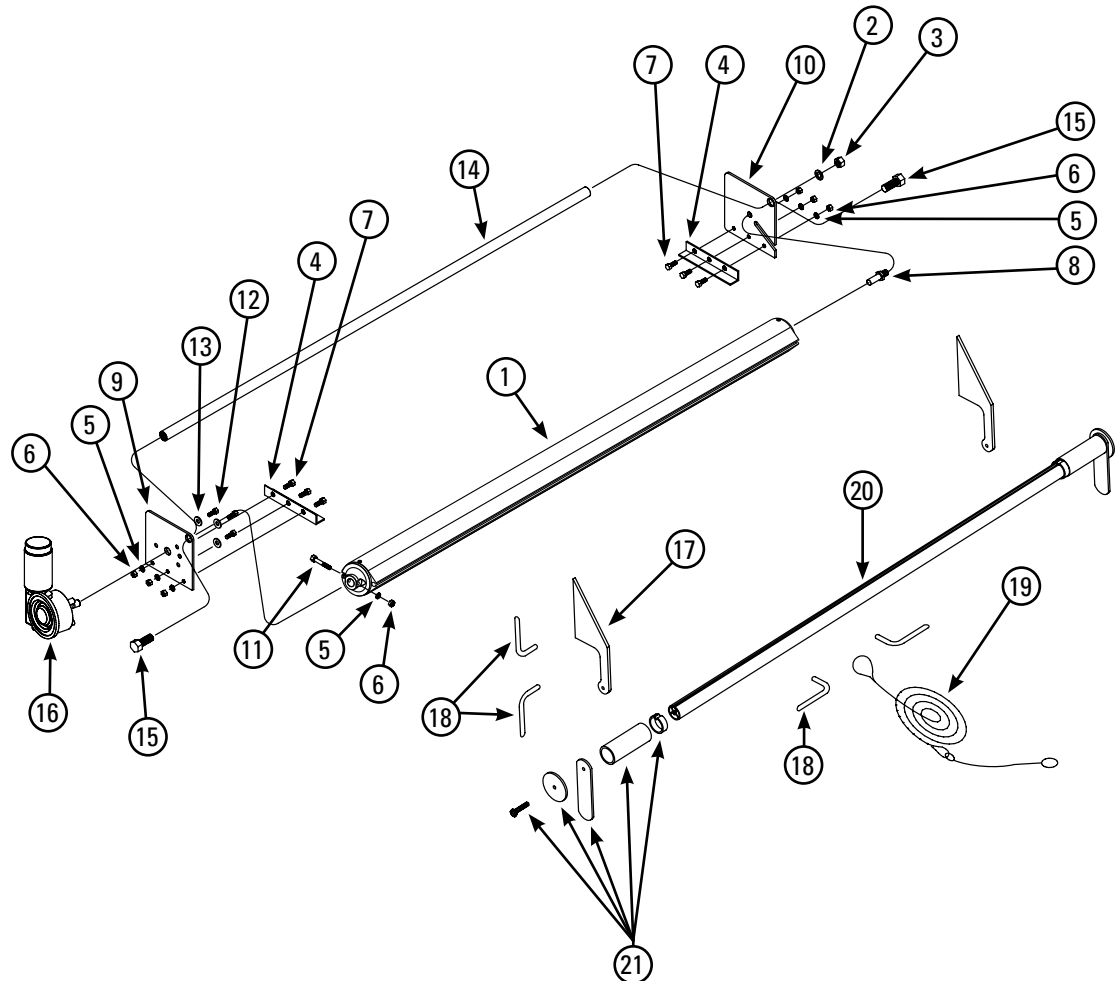
Open 9000EDU #110-0215
(Widths of 80, 84, 87, 89, 93, 96, 100")

ITEM	PART #	DESCRIPTION	QTY
1	501-1310	Roller Tube Assy. 80, 84, 87, 89, 93, 96, 100"	1
2	505-5001	1/2" AN Flat Washer	1
3	504-5001	1/2" - 13 Crimp Nut	1
4	501-152X	Open System Mount Brkt. (Specify Steel or Aluminum)	2
5	505-2502	1/4" Flat Washer USS	7
6	504-3103	5/16" - 18 Nyloc Nut	7
7	503-3104	5/16" - 18 x 3/4"lg. Carriage Bolt	6
8	501-0801	System End Plate Stud 2.4"	1
9	501-0221	9" Open End Plate, Electric (Drvr.)	1
10	501-0220	9" Open End Plate (Pass.)	1
11	503-3108	5/16" - 18 x 1 3/4"lg. HHCS Bolt	1
12	503-3103	5/16" - 18 x 3/4"lg. HHCS Bolt	3
13	505-3102	5/16" Lock Washer	3
14	501-980X	Spacer Rod 7/8" 80, 84, 87, 89, 93, 96, 100"	1
15	503-7501	3/4" - 10 x 1"lg. HHCS Bolt	2
16	517-5909	Pulltarps® 1.3 HP 12V DC Electric Motor	1
--	514-0124	6 Ga. Electric Wire (Not shown)	100'
--	514-0101	Switch Assembly (Not shown)	1

REV. 11/01/21 WLH

Pullrod Hardware

ITEM	PART #	DESCRIPTION	QTY
17	501-0301	Tarp Return Ramps (Steel)	2
--	501-3102	Tarp Return Ramps (Alum.)	2
18	501-0643	Rope Storage Hooks (Steel)	4
--	501-0642	Rope Storage Hook (Alum.)	4
19	517-10XX	Pull Rope (20, 25, 30, 35, 40, 45, 50')	1
20	Determined by Length	Pullrod (85, 91, 93, 96, 99, 105" Lengths)	1
21	501-0612	Pullrod Hardware Kit	1





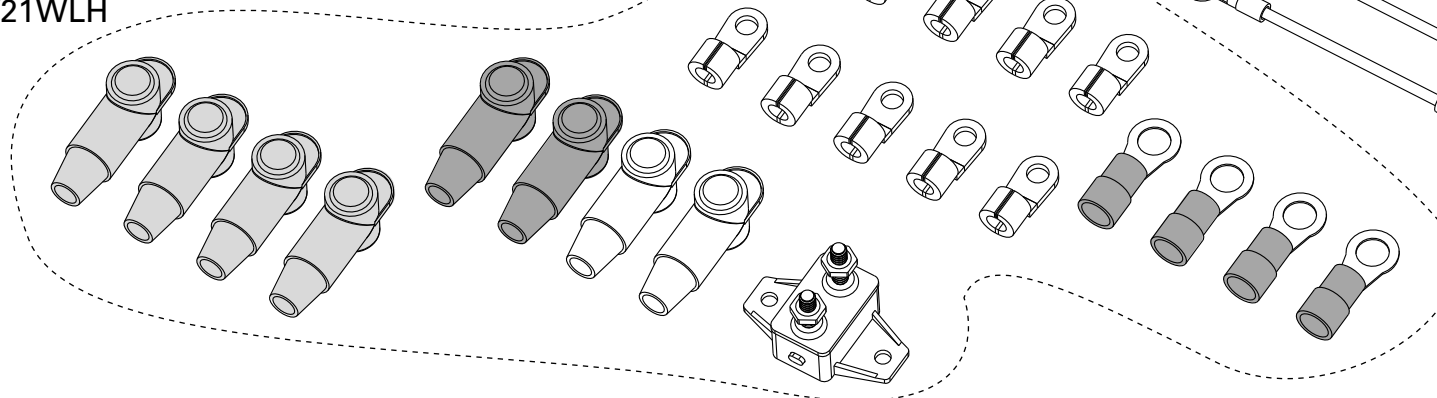
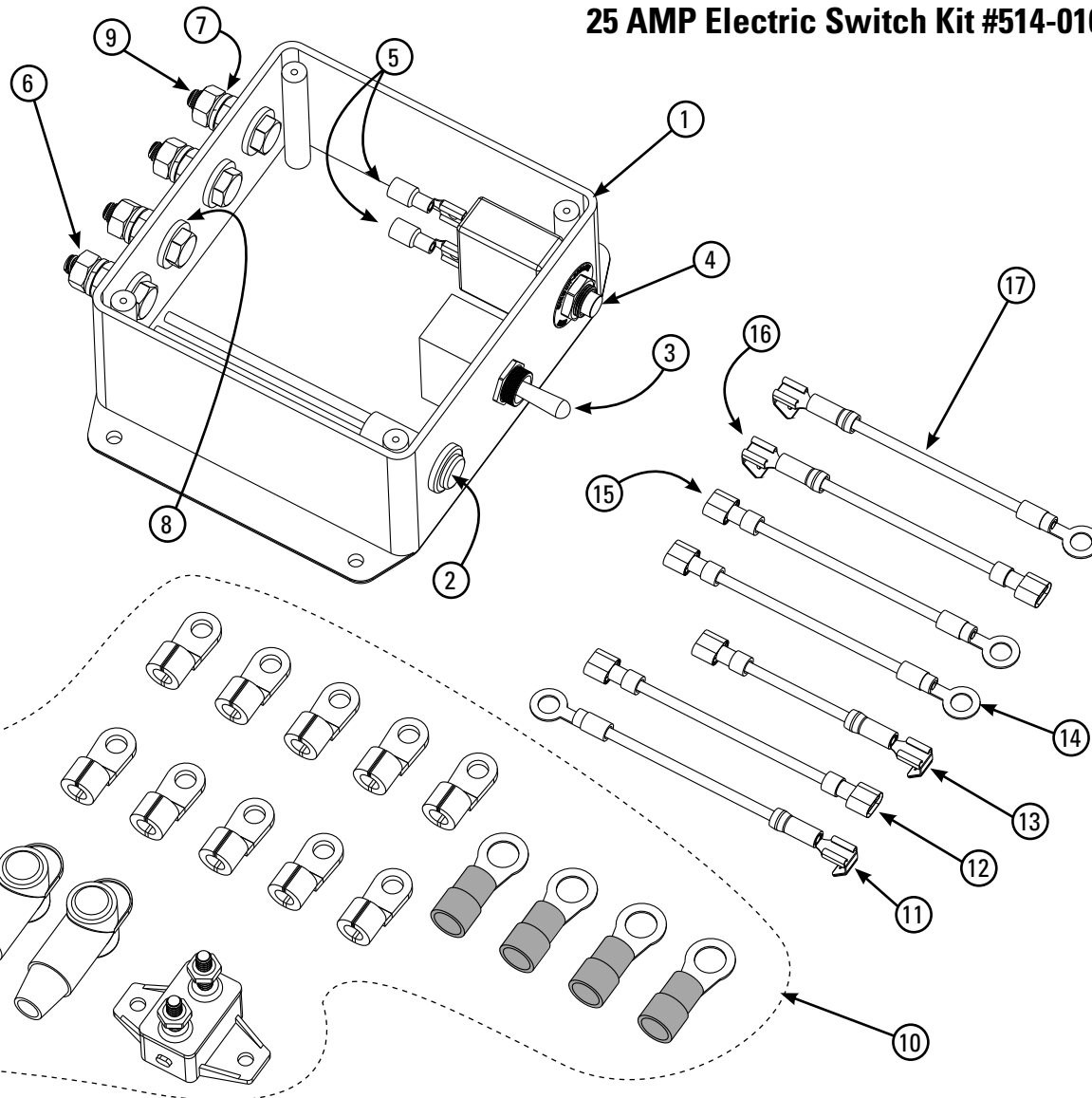
INSTALLATION INSTRUCTIONS

Open 9000 EDU w/Electric Drive

25 AMP Electric Switch Kit #514-0101

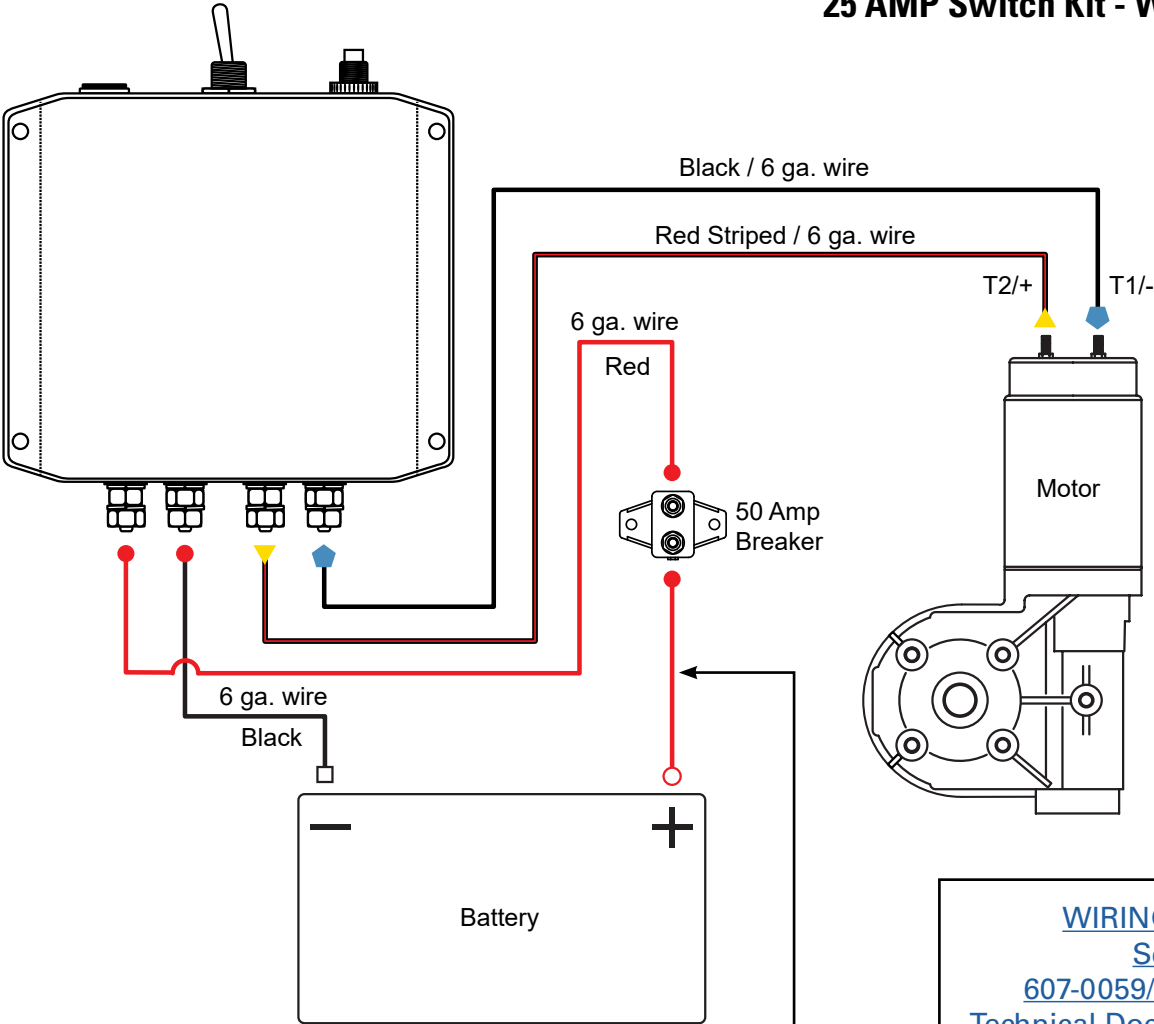
ITEM	PART #	DESCRIPTION	QTY
1	514-9991	Enclosure for Electric Pulltarp	1
2	514-9904	Red Lamp - 12V	1
3	514-0102	15A Switch for Electric Pulltarp	1
4	514-0402	25 AMP "Push to Reset" Breaker	1
5	514-0332	Push-OnspadeTerm. 22-18 1/4"	2
6	504-2502	1/4" - 20 Brass Nut	8
7	505-2503	1/4" Lockwasher (Shown in Flattened State)	8
8	505-2501	1/4" Washer	8
9	503-2508	1/4 - 20 x 1 HHCS GR5	4
10	106870	Breaker and Connector Kit	1
11	514-9923	10GA Black Wire Assy., 3" Long Stacked .25" Male Spade, .25 Ring Term	1
12	514-9924	10GA Black Wire Assy., 3" Long .25" Female Spade, Insulated both ends	1
13	514-9928	10GA Black Wire Assy., 2" Long Stacked .25" Male Spade, .25" Female Spade, Insulated	1
14	514-9929	10GA Orange Wire Assy., 3" Long .25" Ring Terminal, .25" Female Spade, Insulated	1
15	514-9959	10GA Red Wire Assy., 3" Long .25" Female Spade, Insulated, .25" Ring Term	1
16	514-9960	10GA Blue Wire Assy., 3" Long Stacked .25" Male Spade, .25" Female Spade, Insulated	1
17	514-9961	10GA Blue Wire Assy., 3" Long Stacked .25" Male Spade, .25" Ring Terminal	1

REV. 10/05/21WLH





25 AMP Switch Kit - Wiring Diagram #514-0101



BOOT COLORS			
	Red	Yellow	Blue
With Boot			
No Boot		N/A	N/A

[WIRING INSTRUCTIONS](#)
[See document](#)
[607-0059/25 AMP Switch Kit in](#)
[Technical Documents at Pulltarps.com](#)

Note: 12" Max distance between Battery and Breaker.

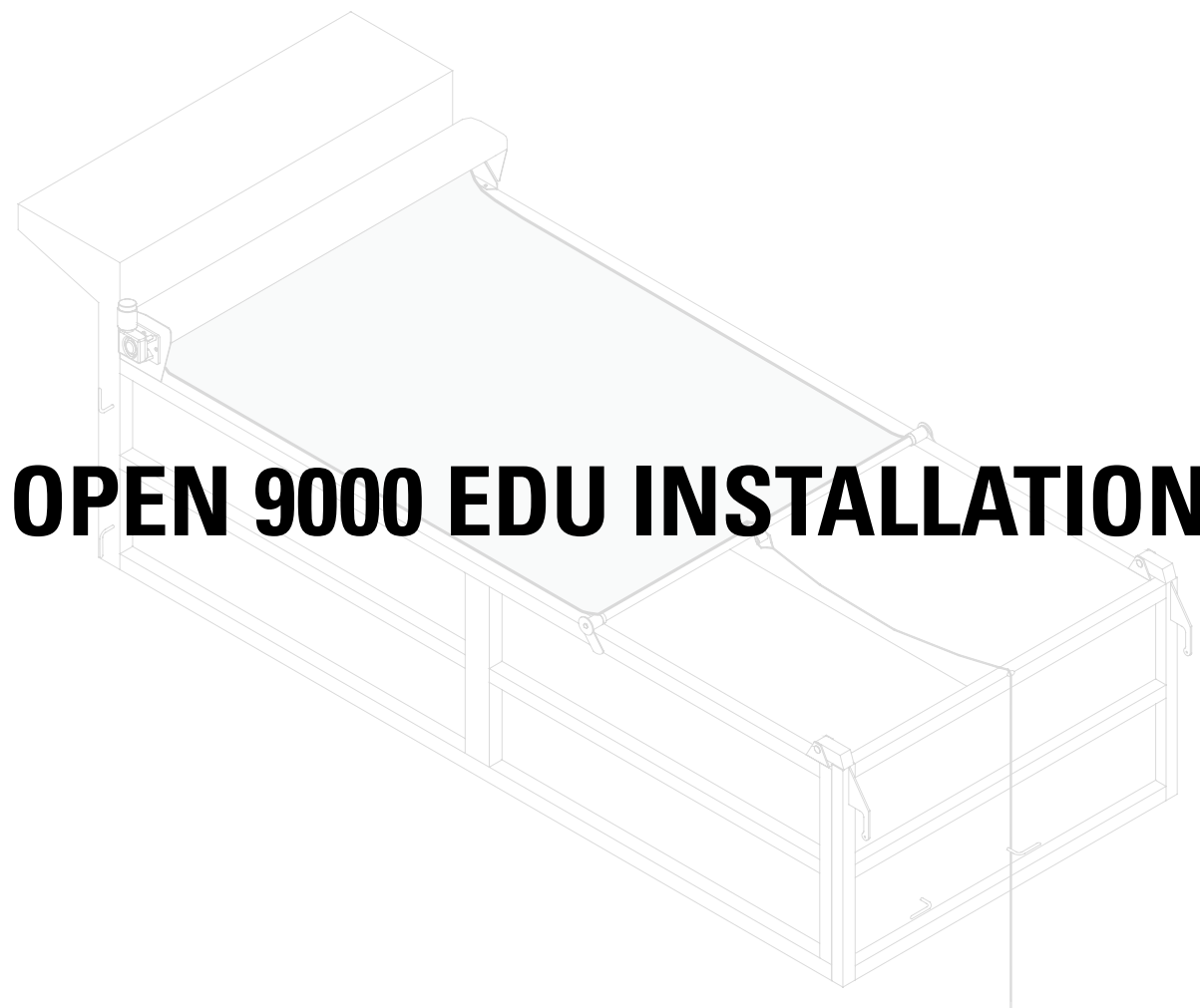


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Open 9000 EDU w/Electric Drive



OPEN 9000 EDU INSTALLATION

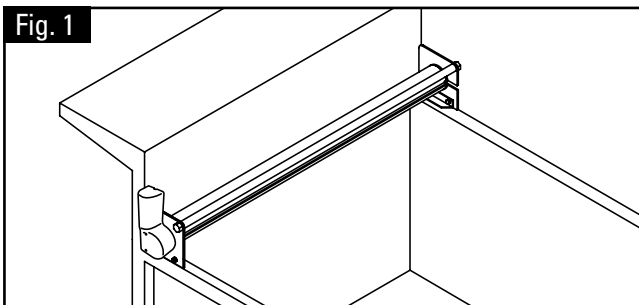


INSTALLATION INSTRUCTIONS

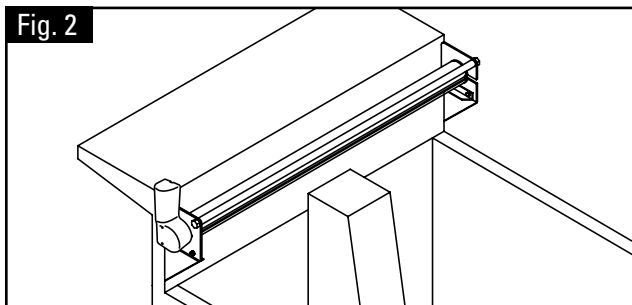
Open 9000 EDU w/Electric Drive

Mounting Positions

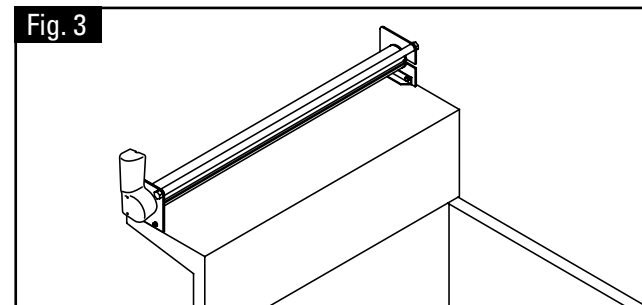
Step 1: Determine the mounting position for your truck Fig. 1 - 7.



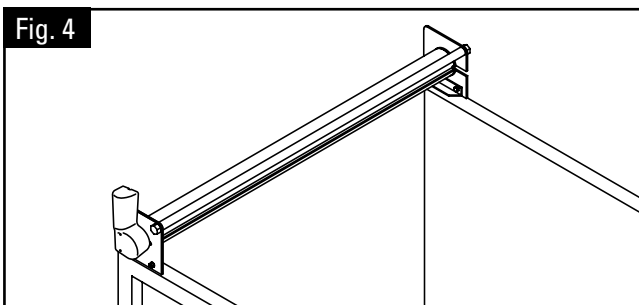
"A" Mount Top or Bottom Roll



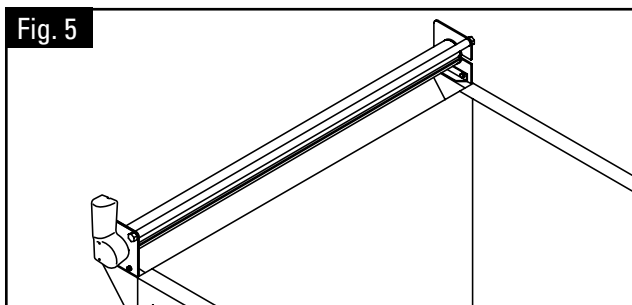
"B" Mount Top or Bottom Roll



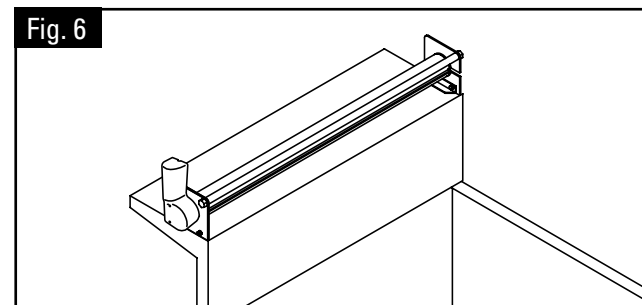
"C" Mount Top or Bottom Roll



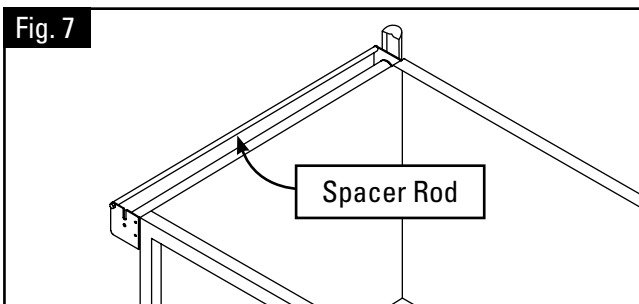
"D" Mount Top or Bottom Roll



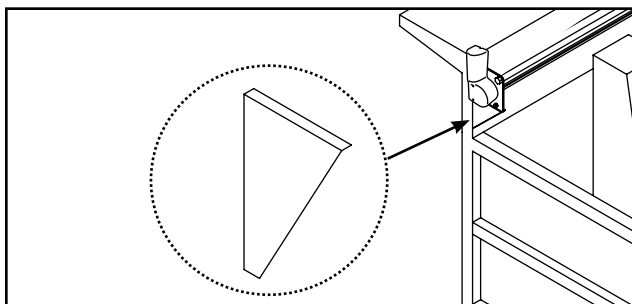
"E" Mount Top or Bottom Roll



"F" Mount Top or Bottom Roll



"G" Mount Top Roll Only. Note: All systems that roll off the top require optional spacer rod.



"B" Brackets

NOTE: Use optional "B" Brackets when mounting in position "B" and "E".



INSTALLATION INSTRUCTIONS

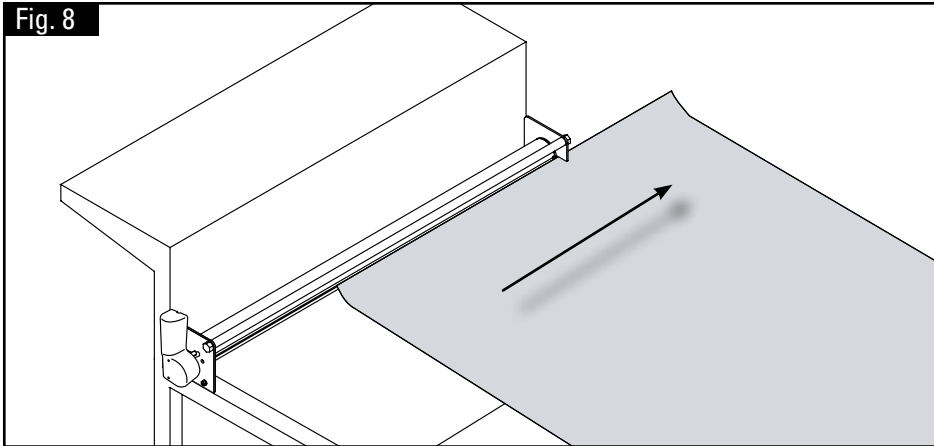
Open 9000 EDU w/Electric Drive

Removing Tarp & Welding System to Truck

Step 2: Before welding remove tarp to avoid damage (Fig. 8). To remove tarp slide the tarp out of the slotted end of the housing and remove from work area.

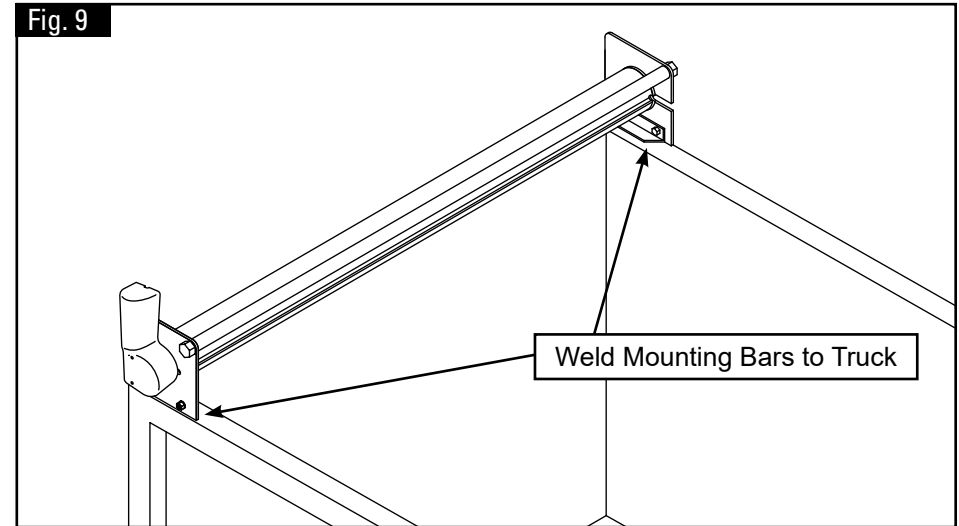
NOTE: If needed, remove Tarp before welding.

Fig. 8



Step 3: Weld system mounting bar to truck as shown in Fig. 9.

Fig. 9



Step 3. Weld on Tarp Return Ramps

The Tarp Return Ramps hold the pullrod in place once the tarp has been deployed. The ramps should be welded as high as possible. See Fig. 10 & 11 for your application. Make sure all rough edges are ground smooth. If you have a raised hinge you will need to add a Hinged Ramp Gusset (NOT SUPPLIED) see Fig. 12.

Fig. 10

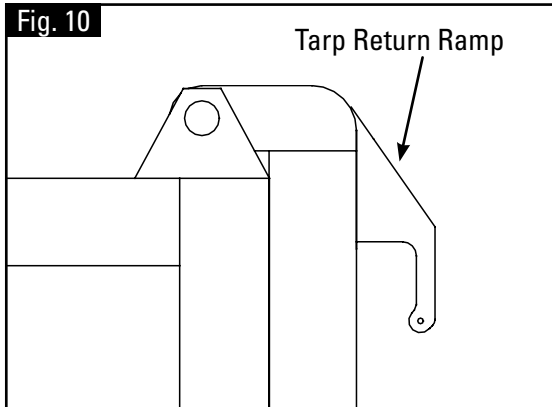


Fig. 11

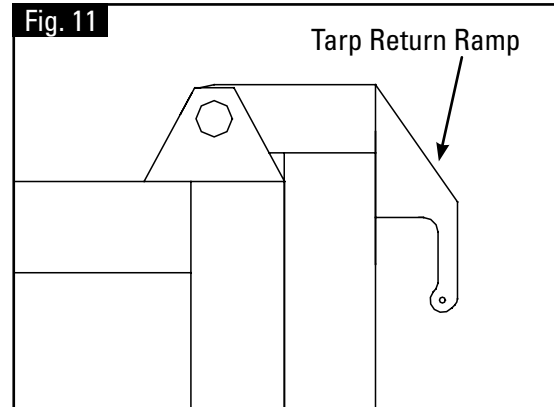
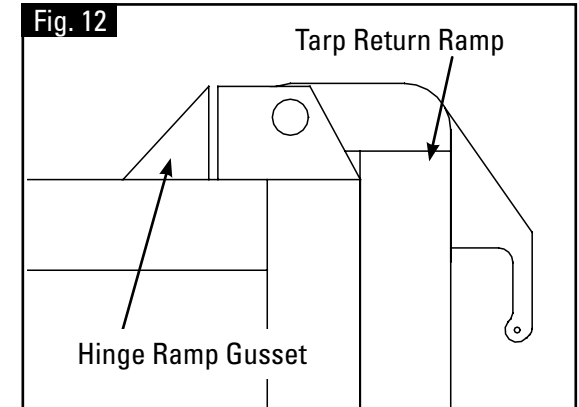


Fig. 12



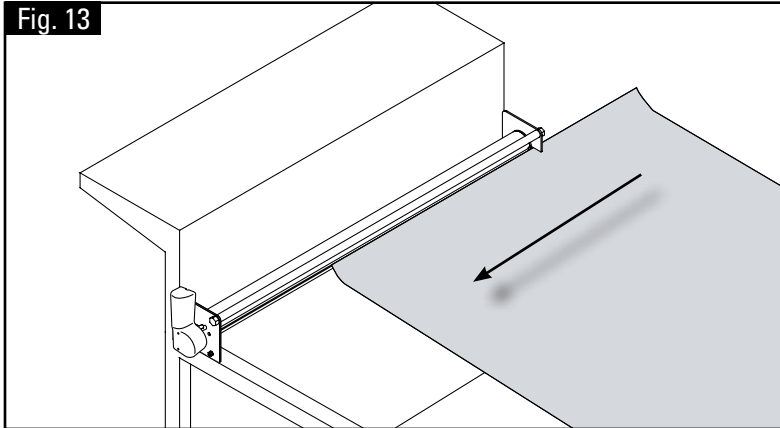


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Reinstalling Tarp & Mounting Rope Hooks

Fig. 13



Step 5. Reinstall Tarp

Slide the front end of tarp (with beaded rod) into the slot of the roller from the opposite side of the locking bolt. If needed, lubricate the edge of the tarp with soapy water so it will slide into the roller slot easy (Fig. 13).

After the tarp is in place, make sure that it is centered on the roller with an equal amount of space on each end, and that the bead tubing is also equally spaced. If the tarp rolls up consistently off to one side or the other, you can offset the tarp to the opposite side on the roller to start with, this way the tarp will roll up as centered as possible.

TARP MUST BE RETRACTED WHEN DUMPING!

Step 6. Rope Storage Hook Installation

Mount the rope hooks as low as possible. The rope should come straight down and wrap around the center hook and then coil off to the side (Fig. 14). When tarp is not in use, space the hooks far enough apart to store the full length of rope (Fig. 15).

Fig. 14

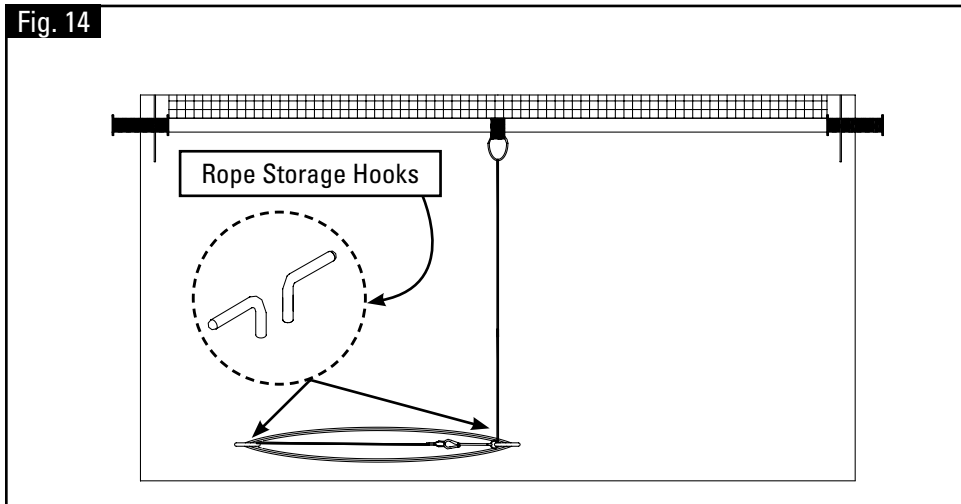
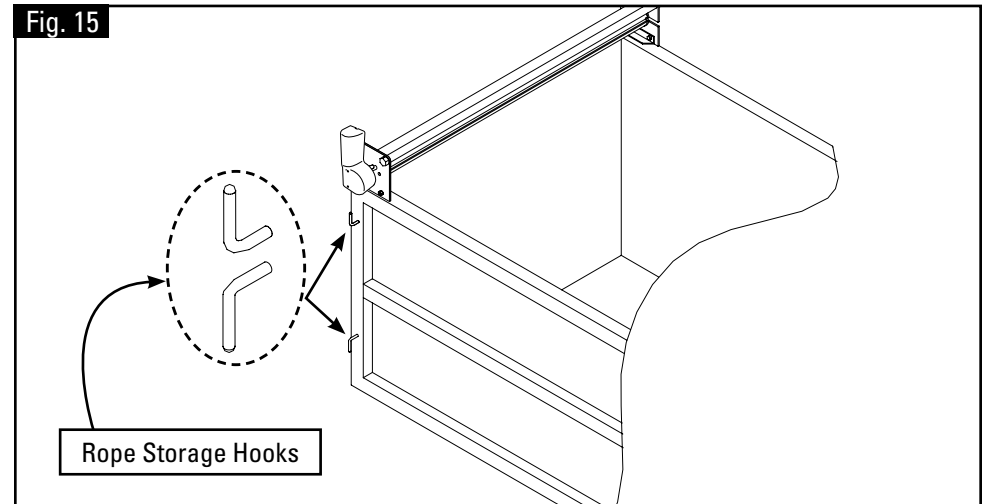


Fig. 15





FLAP TARP, ROPE & HOOK INSTALLATION



INSTALLATION INSTRUCTIONS

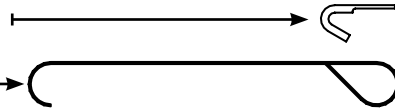
Open 9000 EDU w/Electric Drive

Optional Flap Tarp, Rope and Hook Installation

Parts:

Tie Down Hooks (Steel or Alum.)

Pull Down Hook



Note: The Location Of The Tie Down Hooks Is Critical!

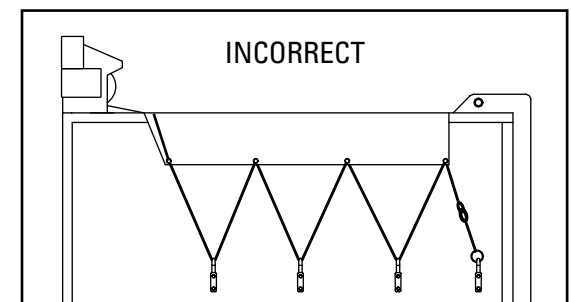
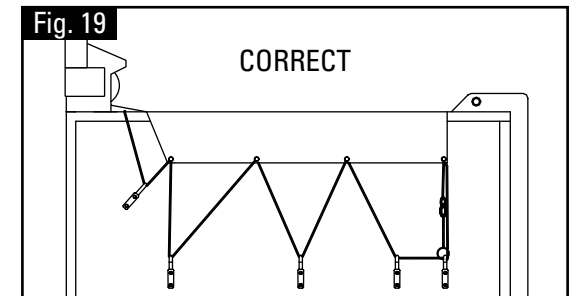
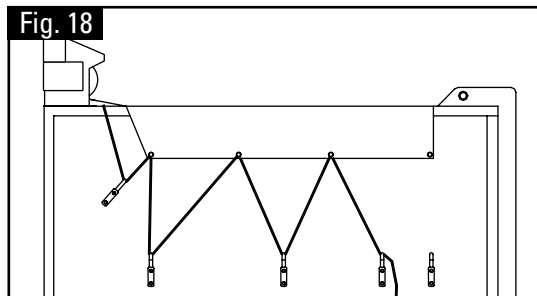
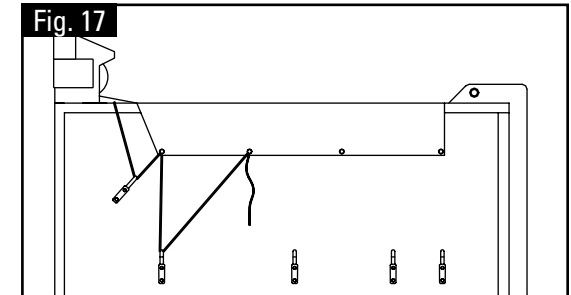
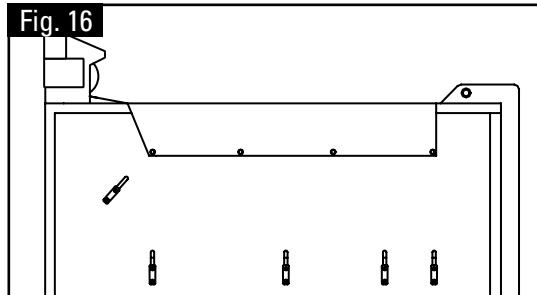
Step 1: Flip the braided rope over the corner so that the flaps and tie down ropes hang over each side of the box. The number of tie down hooks vary depending on the length of your tarp. One pull down hook is included with your Pulltarp system. If needed. Use the hook to pull the braided rope and flaps over the side of the box.

The tie down hooks must be positioned so that:

1. The tie down rope can be reached from the ground.
2. The bungee cord has to be stretched to reach the last hook (see Step 2).
3. The rope has no slack.
4. The tie down hooks are level with one another.

To ensure proper hook placement, first duct tape the rope to the box in place of the tie down hooks. Start with hook closest to the cab.

1. Position the first hook 6" (15.24cm) down and 12" (30.48cm) forward (toward the cab) from the first grommet (Fig. 16).
2. Position 2nd hook straight down from 1st grommet. This hook should be reached from ground (Fig. 17).
3. Place middle hooks equal distances from grommet (Fig. 18). These hooks should be placed at the same height as the second hook.
4. Position last hook (closest to the tailgate) below the last grommet at the same height as the others (Fig. 19).
5. Weld hooks in place.



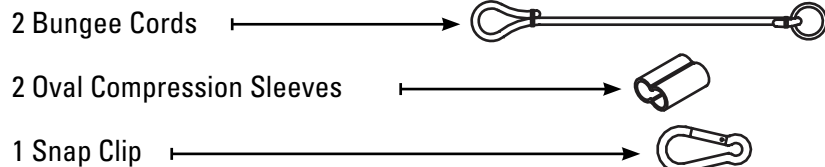


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Open 9000 EDU w/Electric Drive

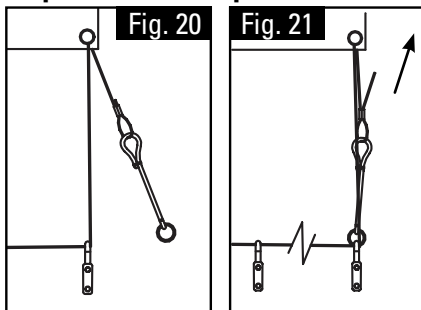
Bungee Cord Installation

Parts:



Step 2: After side hooks are installed, the tie down rope must be installed and cut to proper length. It is important to get all of the slack out of the rope to prevent blowing and rubbing of flaps in windy conditions.

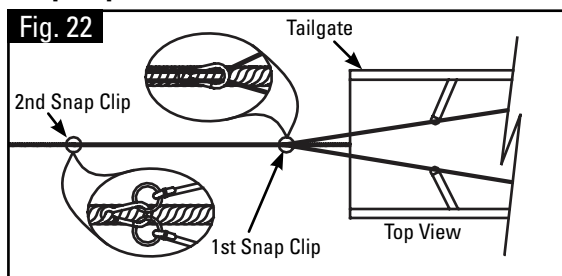
Tarps with Side Flaps



To tighten, pull loose end of rope through the Oval Compression Sleeve (Fig. 20). Stretch the bungee cord making sure all slack is taken out of the rope, crimp compression sleeve (Fig. 21). Be sure to keep flaps even on sides so Tie Down Ropes remain equal in length.

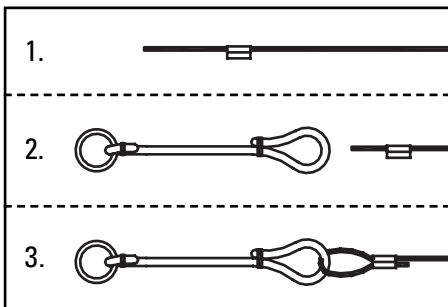
Note: Check for proper placement of rope through the last two hooks.

Snap Clip Installation



Note: First snap clip should not be used on long wheel base belly dumps.

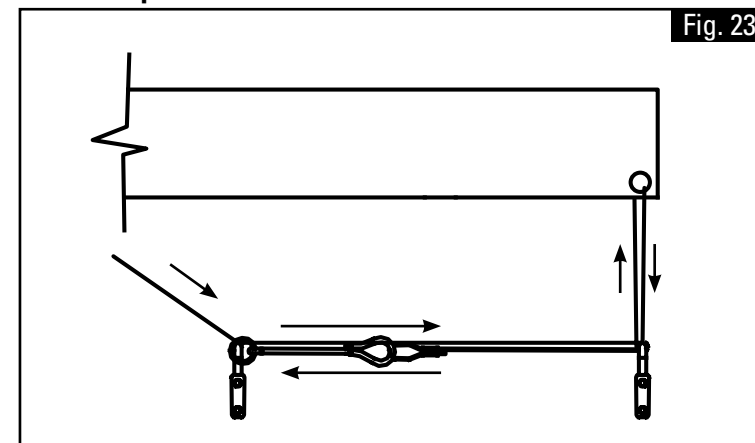
Flip the rope back on top of the tarp, making sure to hold the bungee at all times. The first snap clip is factory installed 5'-6" from the pullrod. Open the clip and enclose the rope. Weave the second clip through the main pullrope where the ends of the bungee cords meet the main pullrope. Make sure the rope is taught when clipped (Fig. 22).



Connect Bungee Cord to Rope

1. Thread braided rope through Oval Compression Sleeve.
2. Feed rope through the eye of the bungee cord.
3. Thread the rope back through the oval compression sleeve. Adjust for proper length. Crimp compression sleeve.

Excess Rope



You may need extra rope to keep the side flap system ground operated. If your application requires extra rope, the slack needs to be taken up by tacking the end of the bungee cord to an alternate hook (Fig. 23).



25 AMP SWITCH KIT / 514-0101 INSTALLATION

[FOR 25 AMP SWITCH KIT INSTALLATION INSTRUCTIONS, SEE DOCUMENT 607-0059 OR CLICK HERE](#)