



Installation Instructions

Open 9000 EDU

110-0215

Related Instructions,
How-To Videos & More



[PDF: Electric Drive Conversion Kit](#)



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



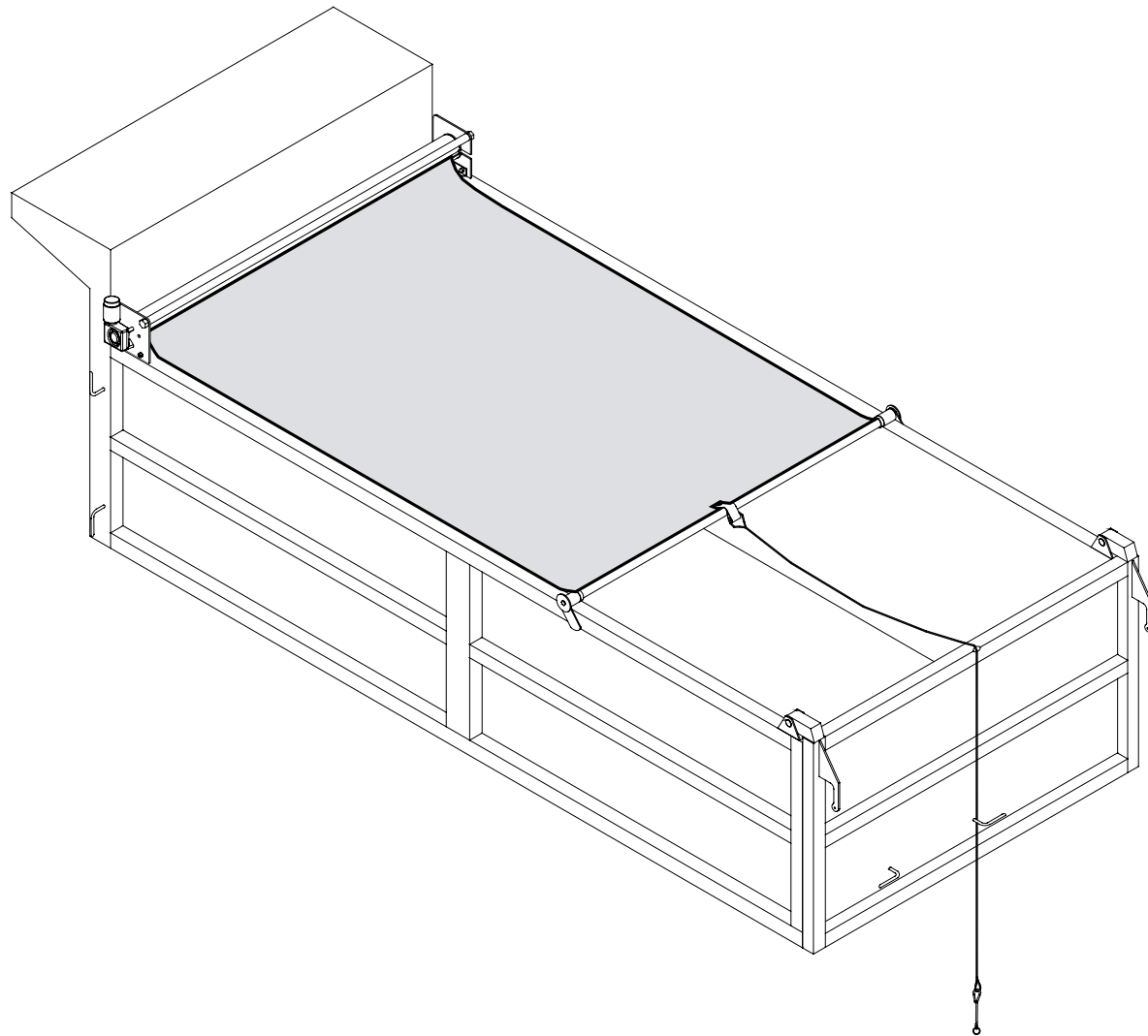
[PDF: Smart Switch Basic Kit](#)



[PDF: High Amp Switch Kit](#)



[Video: Electric Drive Unit Operation](#)



DURING INSTALLATION, SOME FABRICATION MAY BE REQUIRED.

607-0043

WLH 03/05/21



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Installation Instructions

Open 9000 EDU

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PULLTARPS

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WIRING, PARTS & TOOLS

A faint, light gray line drawing of a truck chassis is visible in the background. It shows the frame, wheels, and various components like a winch, battery, and wiring harnesses, illustrating the context of the installation instructions.



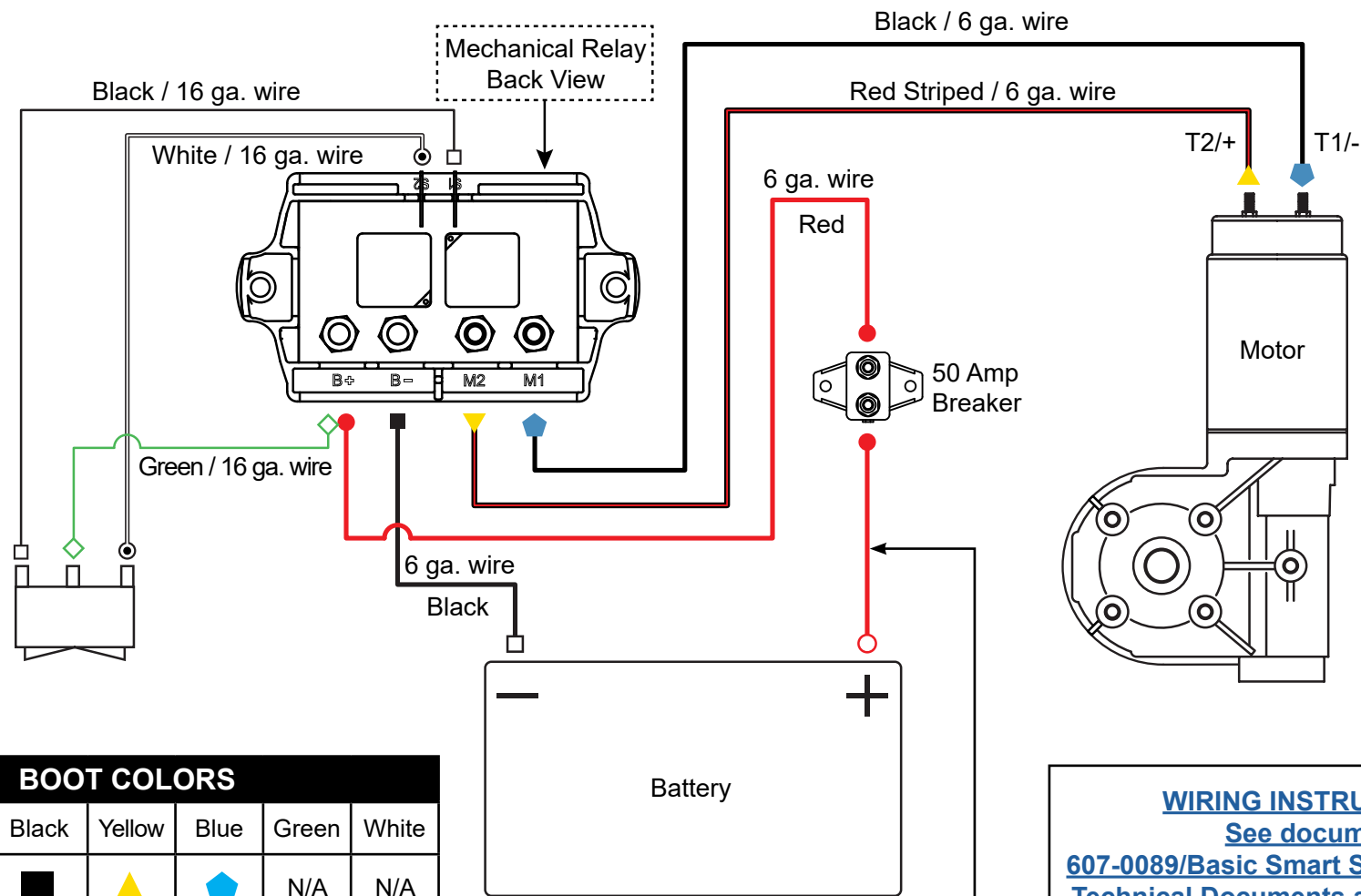
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Installation Instructions

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Smart Switch Basic Kit - Wiring Diagram #514-0114 (Recommended)



BOOT COLORS						
	Red	Black	Yellow	Blue	Green	White
With Boot	●	■	▲	◆	N/A	N/A
No Boot	○	□	N/A	N/A	◇	◎

WIRING INSTRUCTIONS
See document
[607-0089/Basic Smart Switch-12 Volt in Technical Documents at Pulltarps.com](#)

Note: 12" Max distance between Battery and Breaker.



Installation Instructions

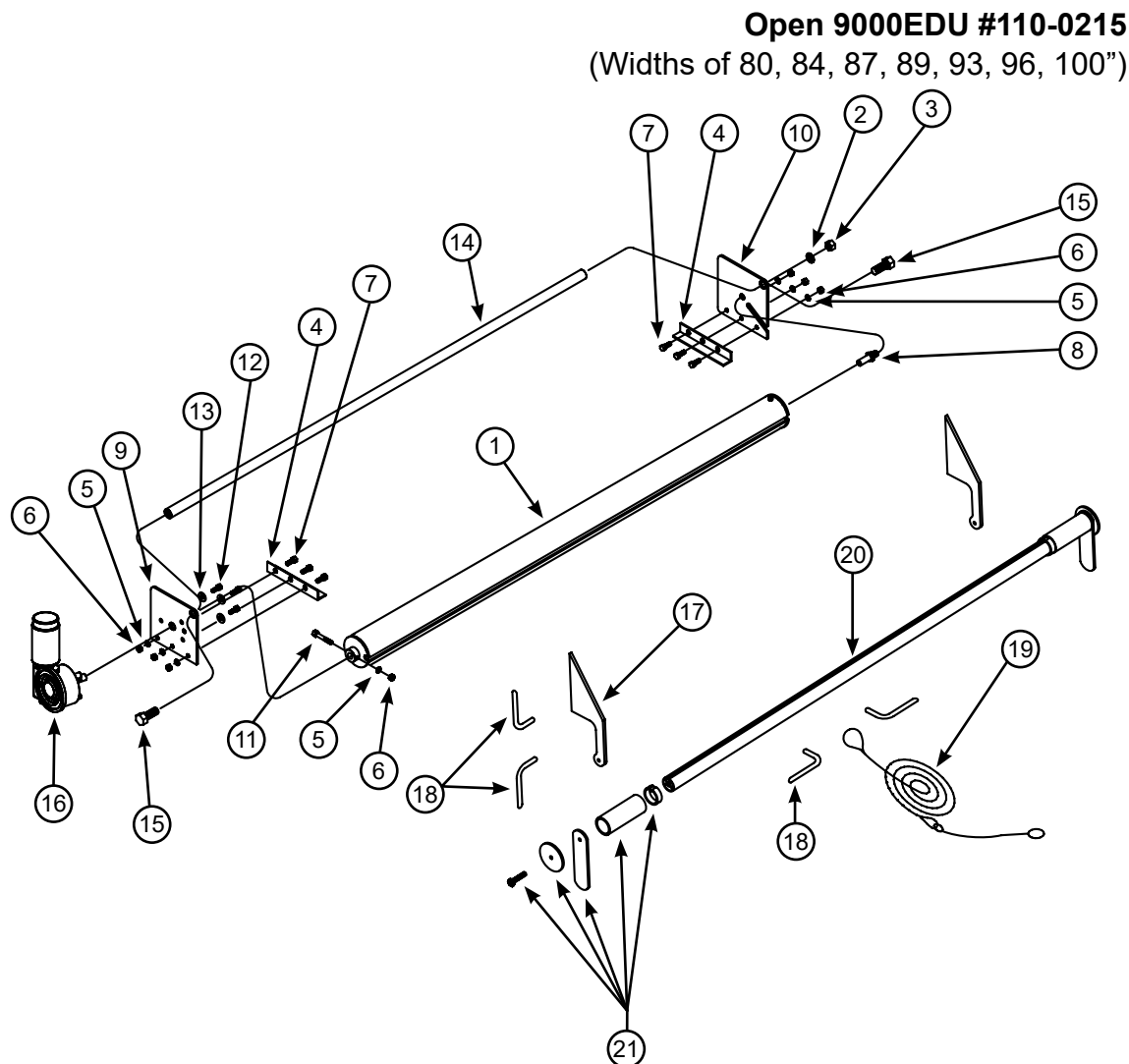
Open 9000 EDU

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. 06/25/20 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





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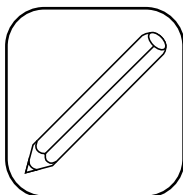
Installation Instructions

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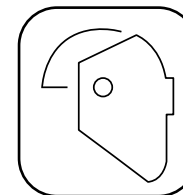
Recommended Tools



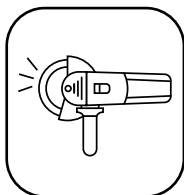
Spray Paint



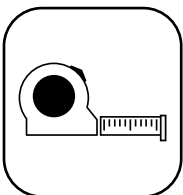
Pencil or Marker



Welding Equipment & Helmet



Metal Grinder



Tape Measure



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An isometric line drawing of a truck bed with a roll-up tarp. The tarp is shown partially unrolled, revealing the internal frame and the mechanism for rolling it up. The text "OPEN 9000 EDU INSTALLATION" is superimposed over the center of the diagram in a large, bold, black, sans-serif font.

OPEN 9000 EDU INSTALLATION



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Recommended Tools:

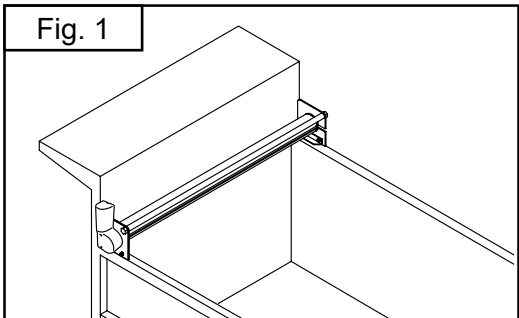


Installation Instructions

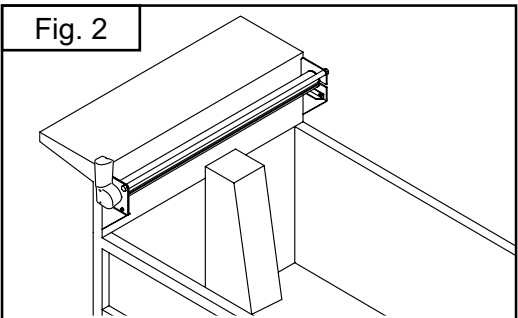
Open 9000 EDU

Mounting Locations

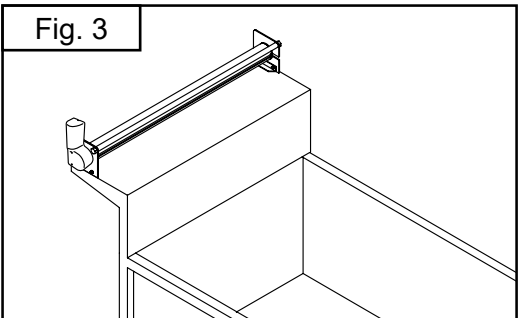
Step 1: Determine the mounting position for your truck A-G (Fig. 1-7).



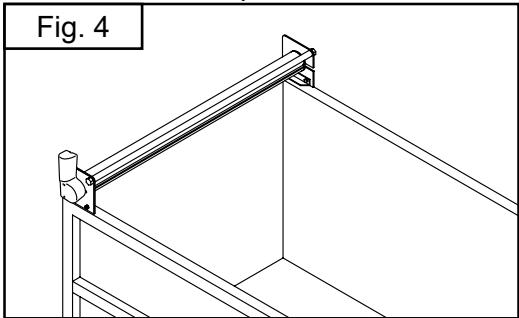
“A” Mount Top or Bottom Roll



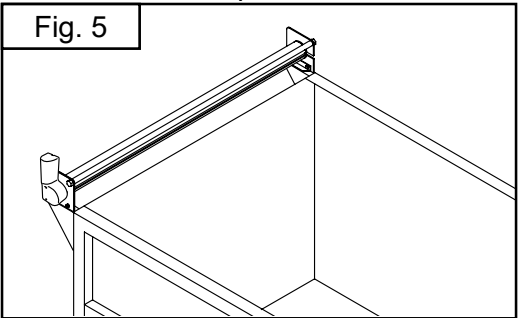
“B” Mount Top or Bottom Roll



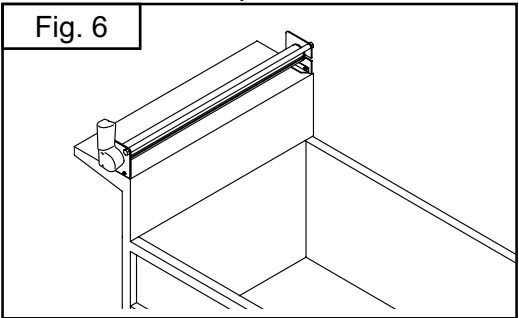
“C” Mount Top or Bottom Roll



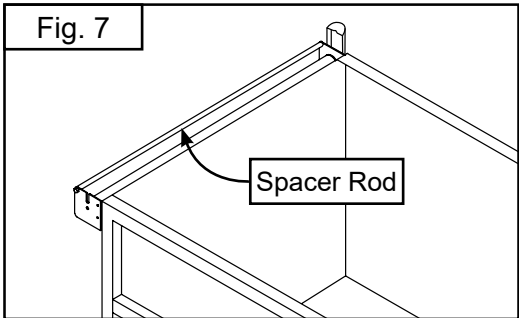
“D” Mount Top or Bottom Roll



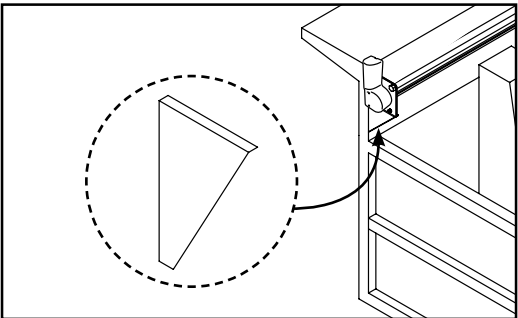
“E” Mount Top or Bottom Roll



“F” Mount Top or Bottom Roll



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

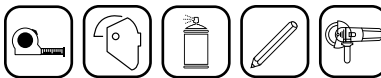


“B” Brackets
NOTE: Use optional “B” Brackets when mounting in position “B” and “E”.



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Recommended Tools:



Installation Instructions

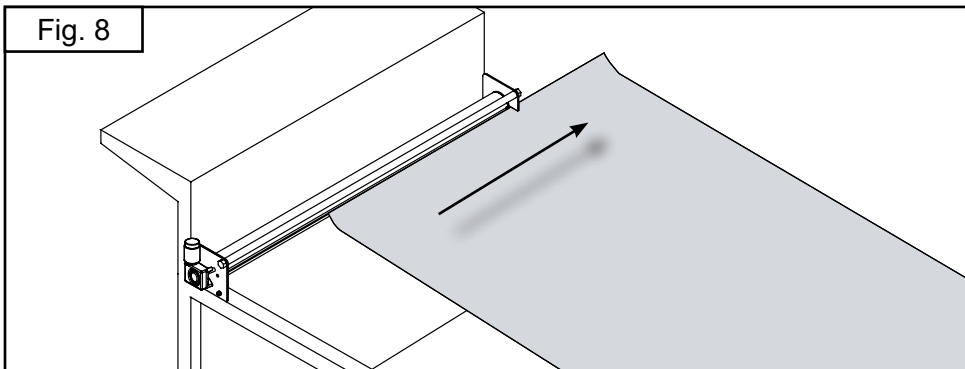
Open 9000 EDU

Mounting System & Tarp Return Ramps

Step 2. Remove Tarp before welding.

If tarp has been previously installed, remove tarp before welding to avoid damage (Fig. 8). To remove tarp slide the tarp out of the slotted end of the housing and remove from work area.

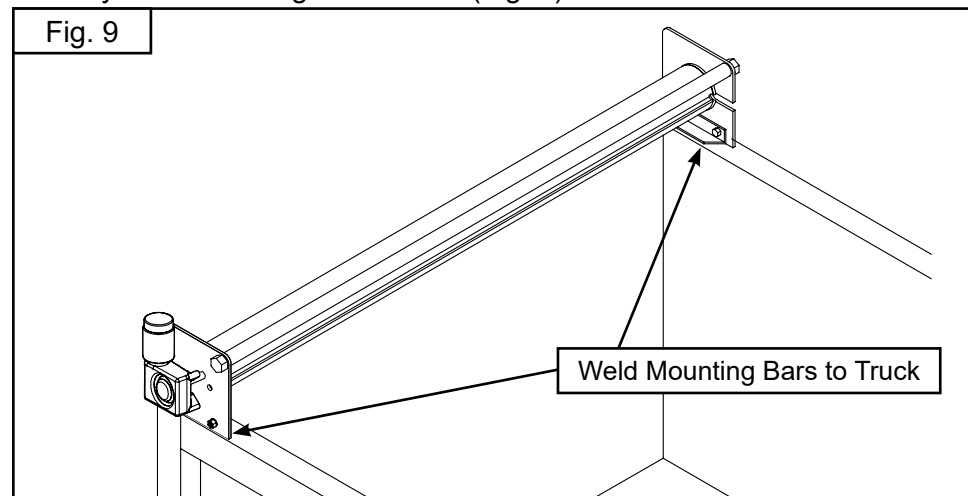
Fig. 8



Step 3. Weld System To Truck

Weld system mounting bar to truck (Fig. 9).

Fig. 9



Step 4. 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 (Fig.10 & 11). 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 - Fig.12).

Fig. 10

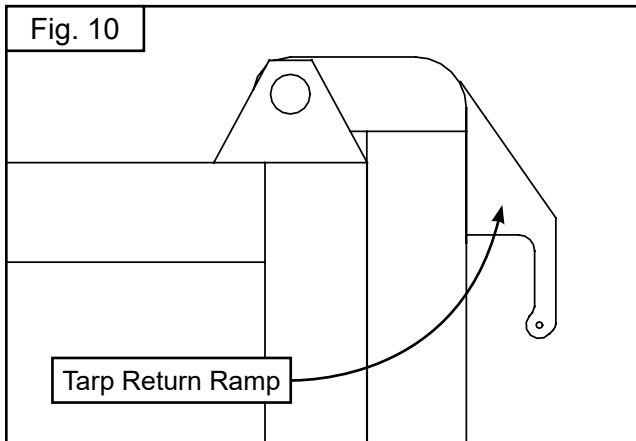


Fig. 11

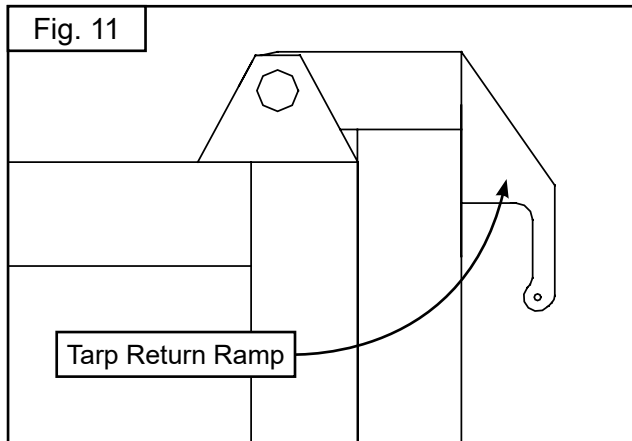
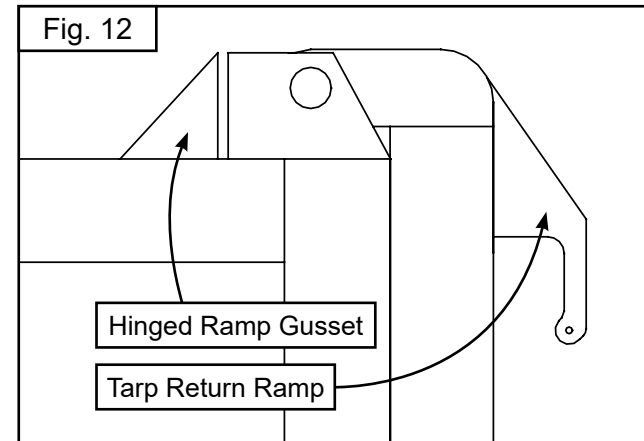


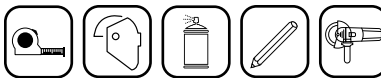
Fig. 12





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Recommended Tools:

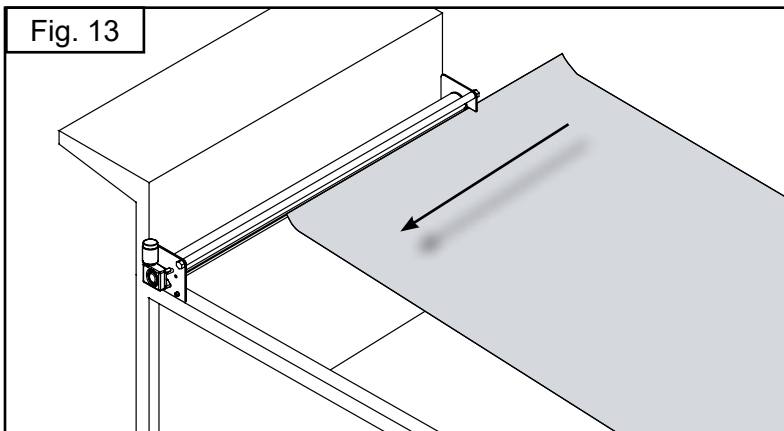


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Reinstalling Tarp & Mounting Rope Hooks

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

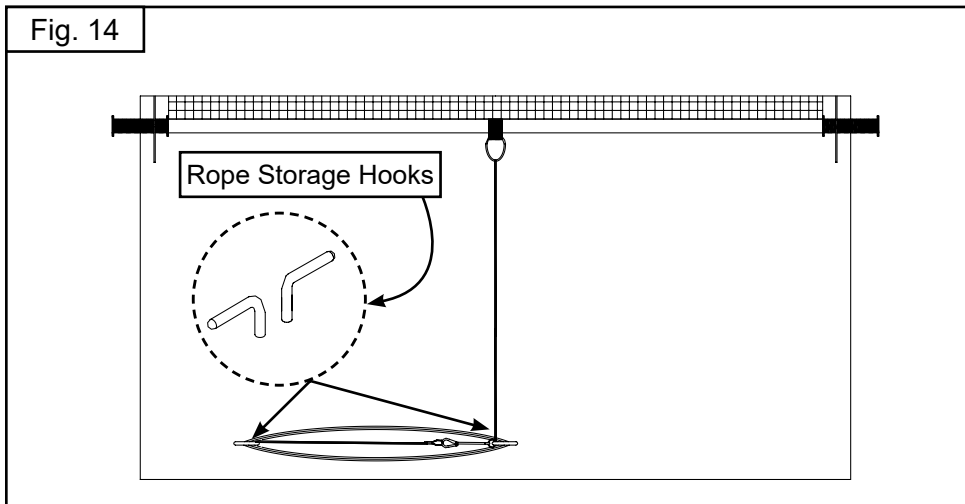
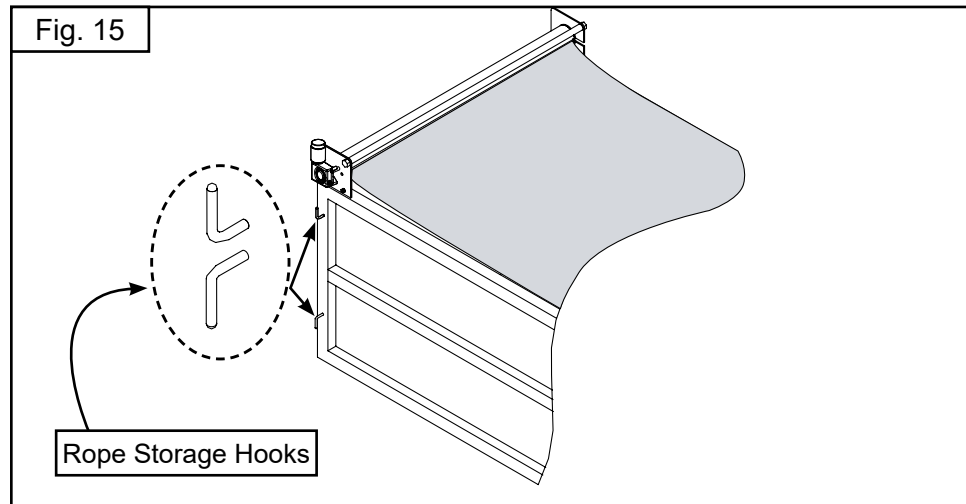


Fig. 15





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Installation Instructions

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A faint line drawing of a truck with a tarp installed over its cargo area. The tarp is secured with ropes and hooks, illustrating the installation process. The text "FLAP TARP, ROPE & HOOK INSTALLATION" is overlaid on the diagram.

FLAP TARP, ROPE & HOOK INSTALLATION

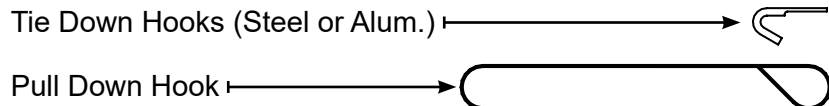


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Optional Flap Tarp, Rope and Hook Installation

Parts:



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

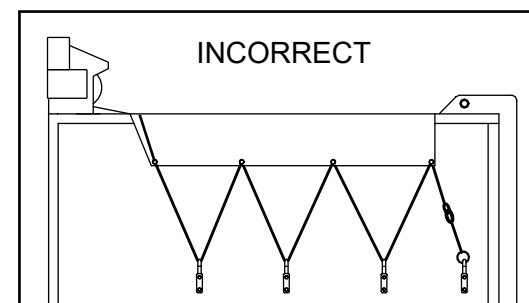
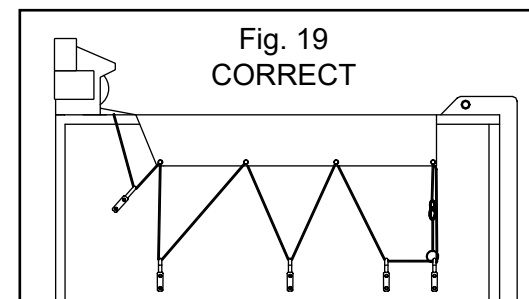
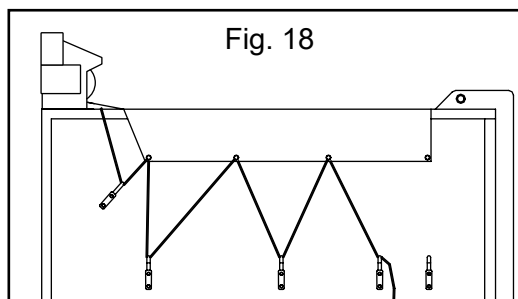
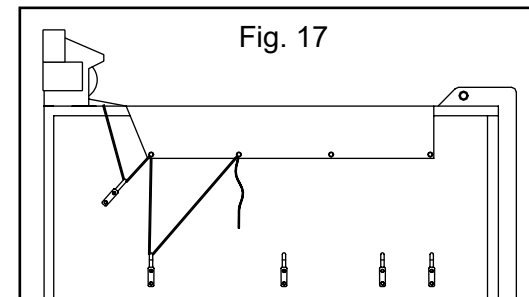
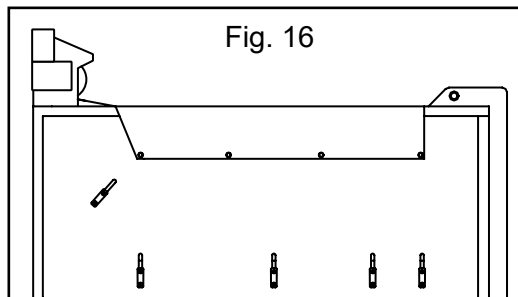
Step 1: Flip the braided rope over the corner so that the flaps and tie down ropes hang over each side of the box. The number of tie down hooks vary depending on the length of your tarp. One pull down hook is included with your Pulltarp system. If needed. Use the hook to pull the braided rope and flaps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



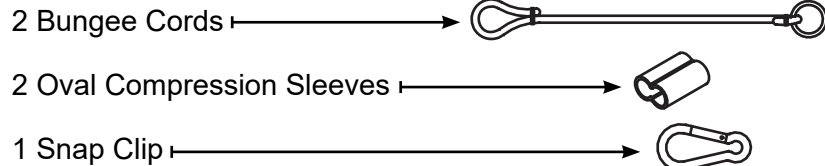


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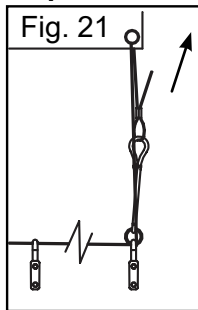
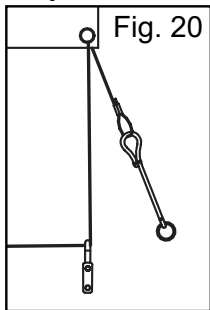
Bungee Cord Installation

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.

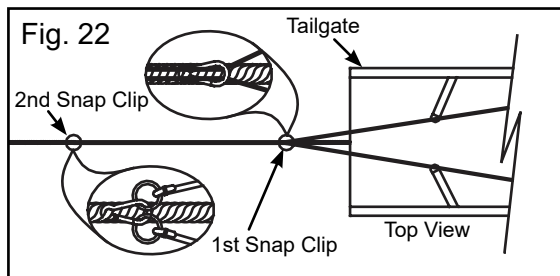
Tarps with Side Flaps



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.

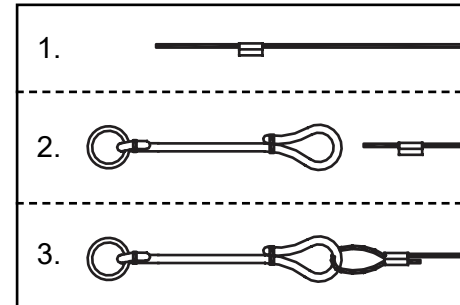
Note: Check for proper placement of rope through the last two hooks.

Snap Clip Installation



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).

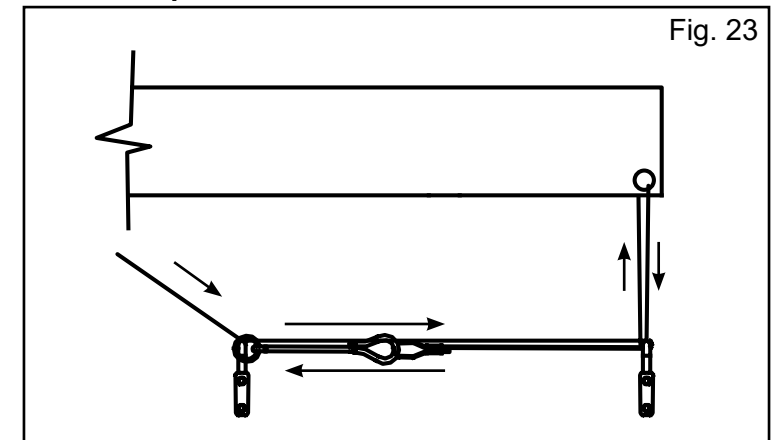
Note: First snap clip should not be used on long wheel base belly dumps.



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 taching the end of the bungee cord to an alternate hook (Fig. 23).