



INSTALLATION INSTRUCTIONS

Open 9000M & 6000M Systems

101-0215 & 105-0215

Related Instructions,
How-To Videos & More



[PDF: Electric Drive Conversion Kit](#)



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



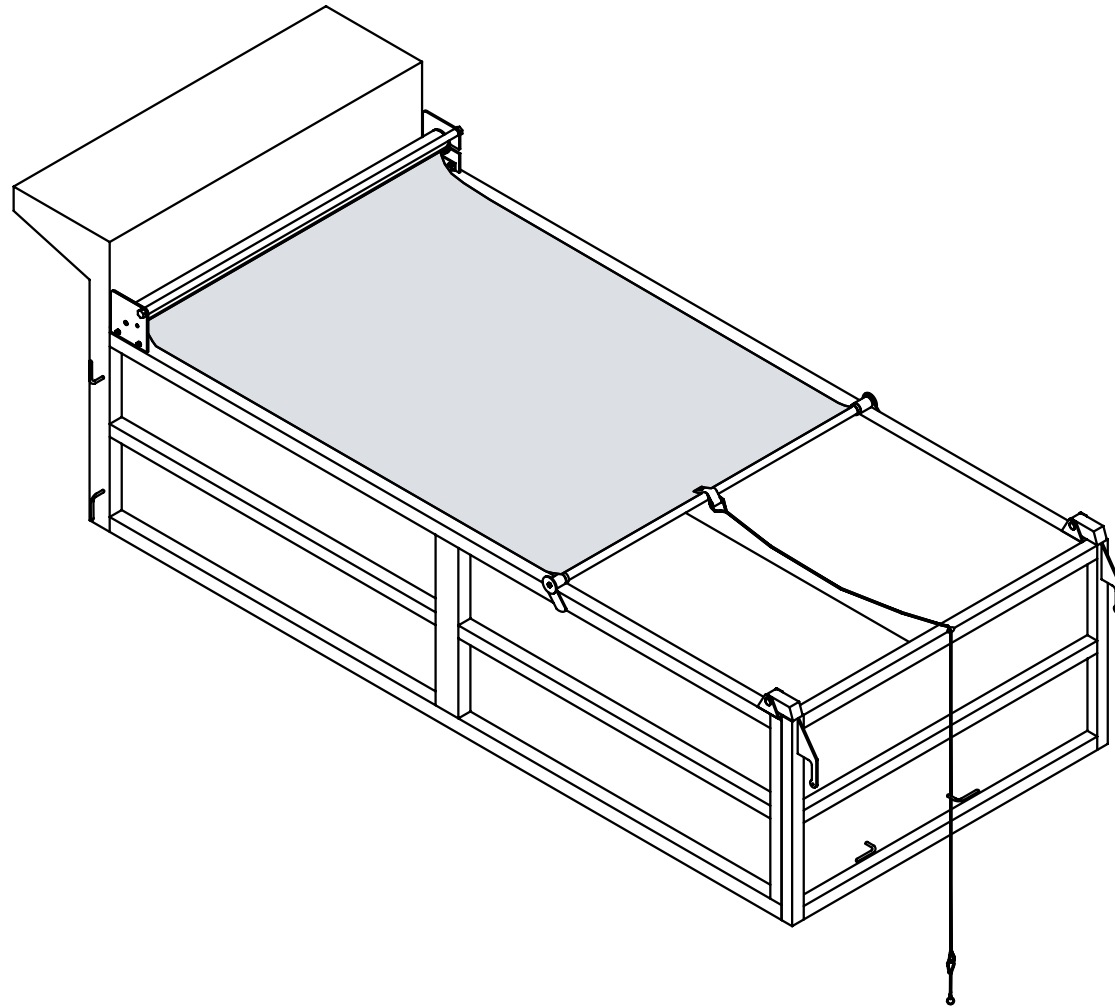
[Web: Replacement Parts](#)



[Video: Aluminum Roller Tube Review](#)



[Video: Semi-Automatic System Operation](#)



DURING INSTALLATION, SOME FABRICATION MAY BE REQUIRED.

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INSTALLATION INSTRUCTIONS

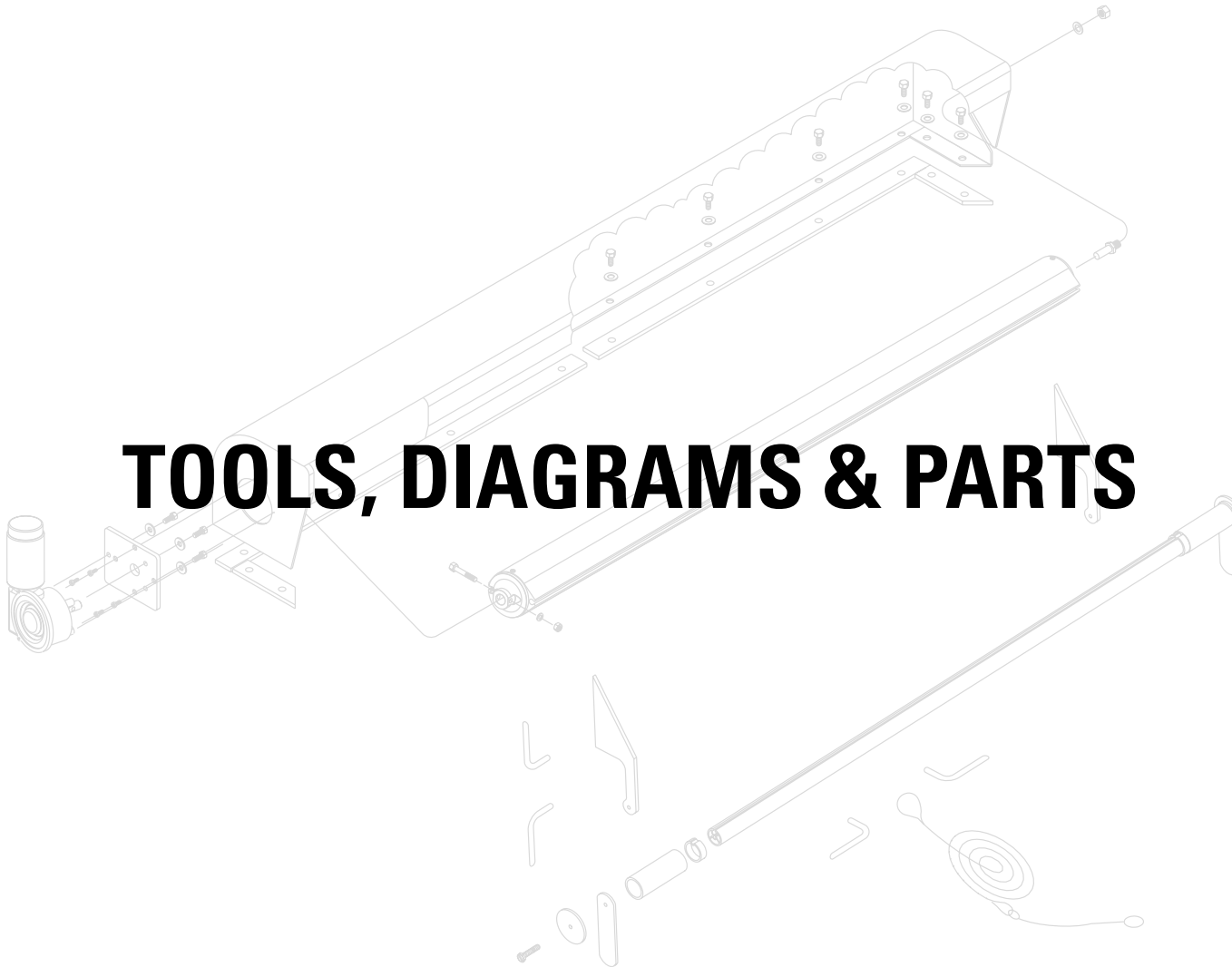
Open 9000M & 6000M Systems

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TOOLS, DIAGRAMS & PARTS






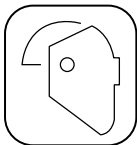
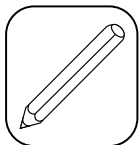

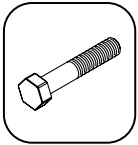
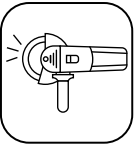



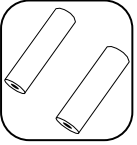

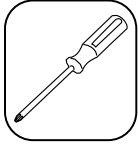

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INSTALLATION INSTRUCTIONS

Open 9000M & 6000M Systems

Recommended Tools

- | | | | | | | | |
|--|---------------------------|---|----------------------------|---|------------------|---|---------------------|
|  | Safety Glasses and Gloves |  | Welding Equipment & Helmet |  | Pencil or Marker |  | Tape Measure |
|  | 3/8" Bolt |  | Metal Grinder |  | Metal File |  | Adjustable Wrench |
|  | Socket Wrench |  | 5/16" & 1/4" Socket |  | Impact Drill |  | Philips Screwdriver |
|  | Mallet or Deadblow Hammer | | | | | | |



INSTALLATION INSTRUCTIONS

Open 9000M & 6000M Systems

Open 6000M #101-0215

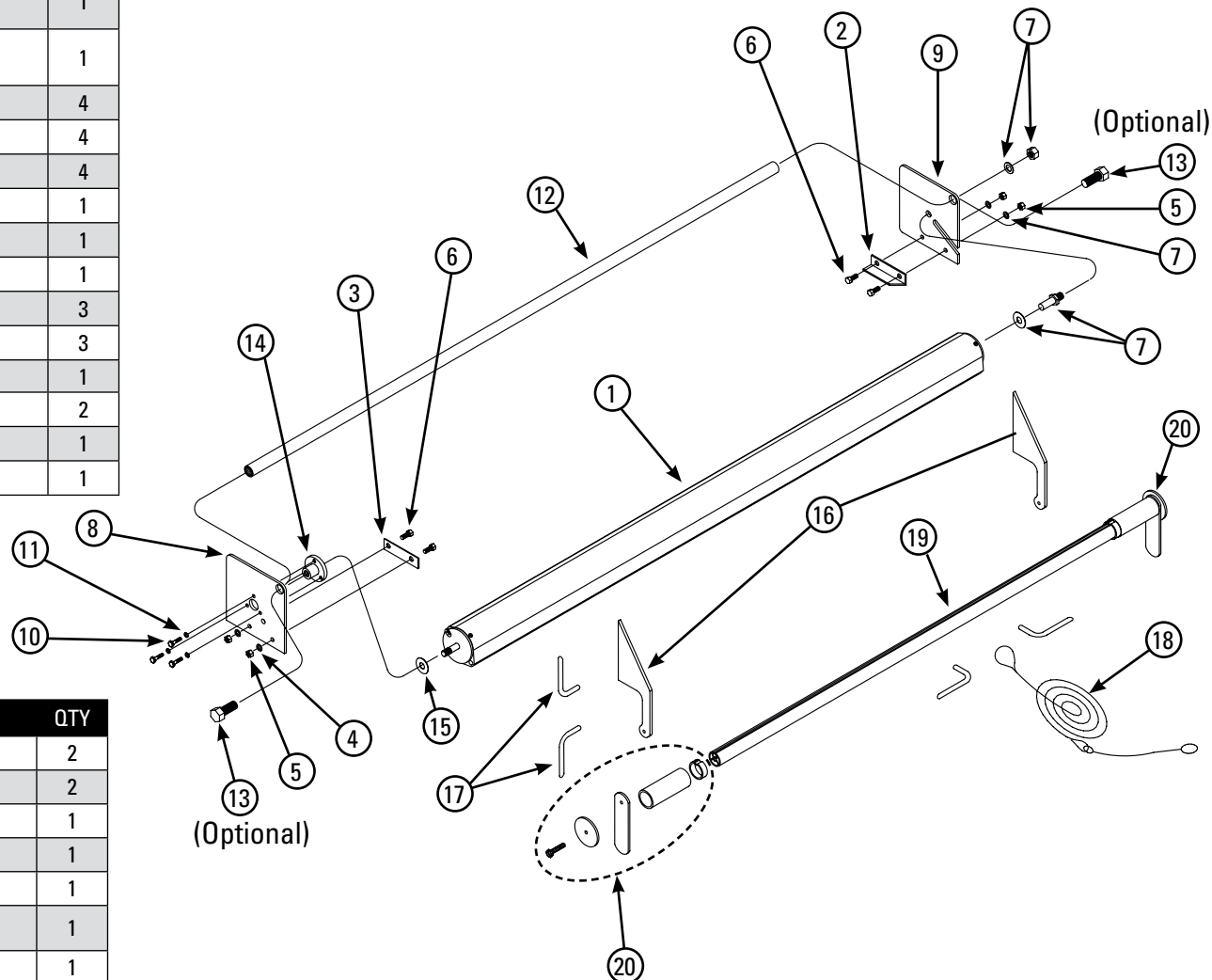
(Widths of 80, 84, 87, 89, 93, 96, 100")

ITEM	PART #	DESCRIPTION	QTY
1	501-13XX	Roller Tube Assy 80,84,87,89,93,96,100"	1
2	501-152X	Open System Mount Brkt. (Specify Steel or Aluminum - Left)	1
3	501-152X	Open System Mount Brkt. (Specify Steel or Aluminum - Right)	1
4	505-2502	1/4" Flat Washer USS	4
5	504-3103	5/16"-18 Nyloc Nut	4
6	503-3104	5/16"-18 x 3/4"lg. Carriage Bolt	4
7	501-0632	System End Plate Stud Kit	1
8	501-0203	6" Open End Plate, (Drvr.)	1
9	501-0204	6" Open End Plate, (Pass.)	1
10	503-2503	1/4" - 20 x 1/2"lg. HHCS Bolt	3
11	505-2503	1/4" Lock Washer	3
12	501-980X	Spacer Rod 7/8" (Optional)	1
13	503-7501	3/4" - 10 x 1"lg. HHCS Bolt (Optional)	2
14	501-0804	Steel Spring Shaft Anchor	1
15	505-5002	Nylon Washer	1

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Pullrod Hardware

ITEM	PART #	DESCRIPTION	QTY
16	501-0301	Tarp Return Ramps (Steel)	2
--	501-0302	Tarp Return Ramps (Alum.)	2
17	501-0621	Rope Storage Kits (4 Steel Hooks)	1
--	501-0608	Rope Storage Kits (4 Alum. Hooks)	1
18	517-10XX	Pull Rope (20, 25, 30, 35, 40, 50')	1
19	Determined by Length	Pullrod (85, 91, 93, 96, 100, 105" Lengths)	1
20	501-0612	Pullrod Hardware Kit	1





INSTALLATION INSTRUCTIONS

Open 9000M & 6000M Systems

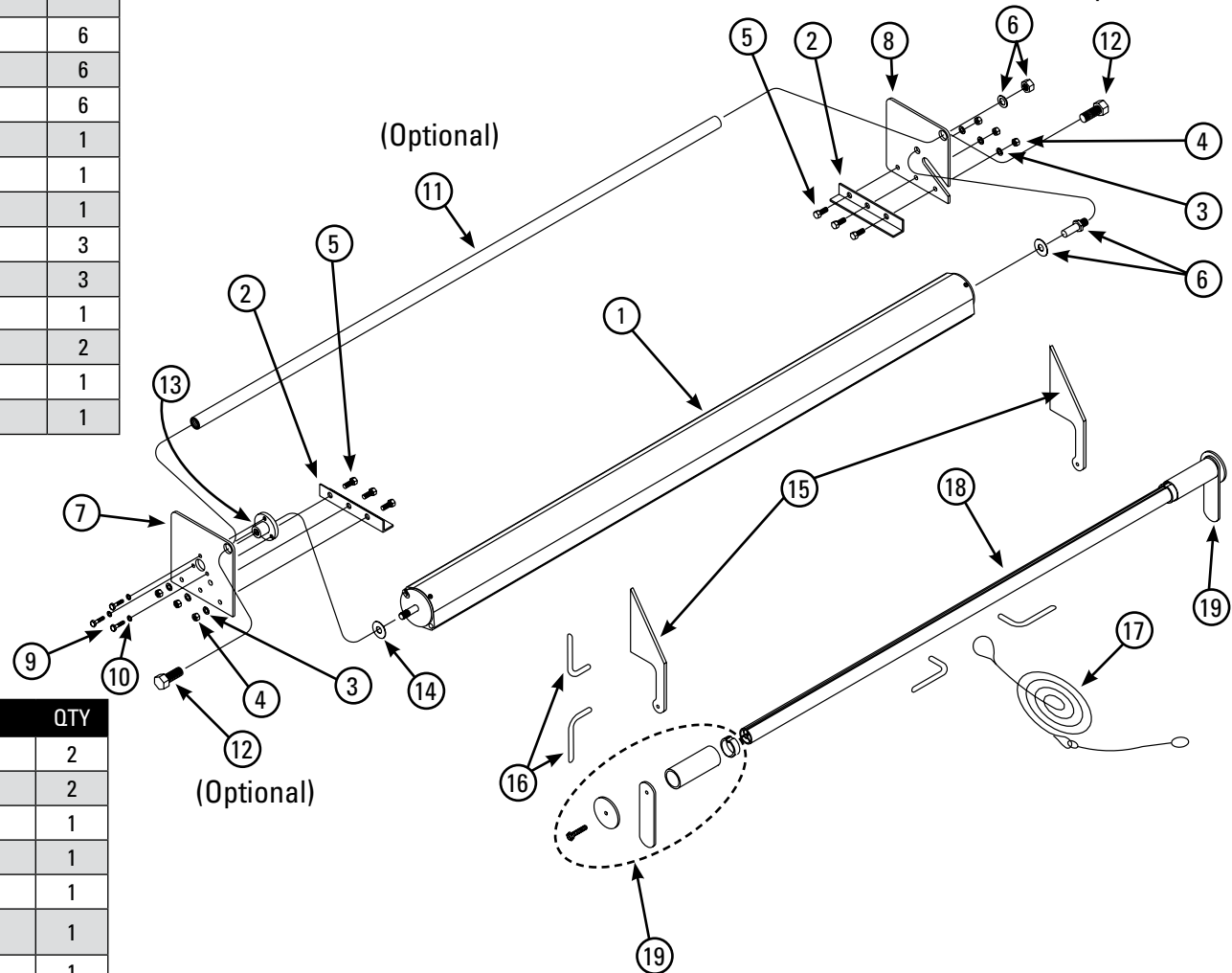
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4	504-3103	5/16"-18 Nyloc Nut	6
5	503-3104	5/16"-18 x 3/4"lg. Carriage Bolt	6
6	501-0632	System End Plate Stud Kit	1
7	501-0219	9" Open End Plate, (Drvr.)	1
8	501-0220	9" Open End Plate, (Pass.)	1
9	503-2503	1/4" - 20 x 1 1/2"lg. HHCS Bolt	3
10	505-2503	1/4" Lock Washer	3
11	501-980X	Spacer Rod 7/8" (Optional)	1
12	503-7501	3/4" - 10 x 1"lg. HHCS Bolt (Optional)	2
13	501-0804	Steel Spring Shaft Anchor	1
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REV. 10/25/21 WLH

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--	501-0608	Rope Storage Kits (4 Alum. Hooks)	1
17	517-10XX	Pull Rope (20, 25, 30, 35, 40, 50')	1
18	Determined by Length	Pullrod (85, 91, 93, 96, 100, 105" Lengths)	1
19	501-0612	Pullrod Hardware Kit	1

Open 9000M #105-0215 (Widths of 80, 84, 87, 89, 93, 96, 100") (Optional)





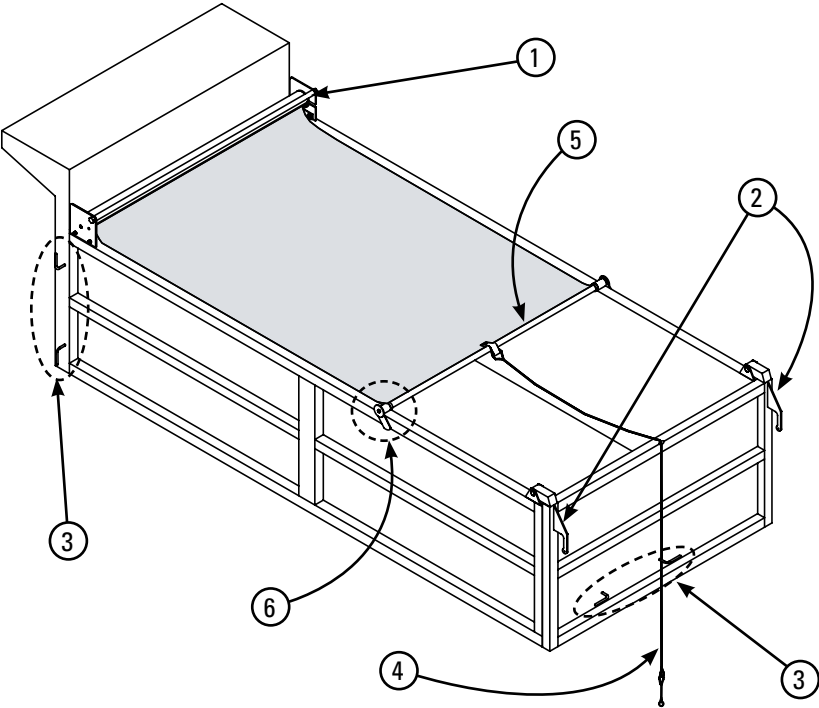
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INSTALLATION INSTRUCTIONS

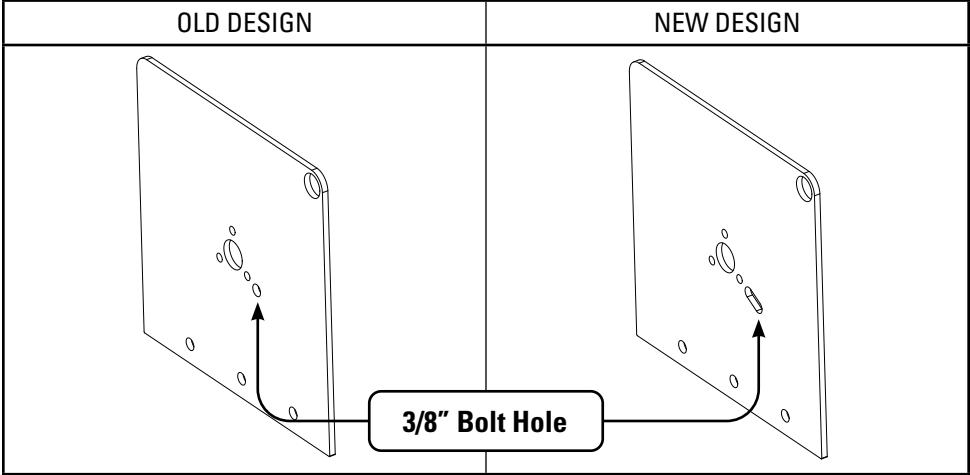
Open 9000M & 6000M Systems

Open 9000M & 6000M Key Components & Updated End Plate

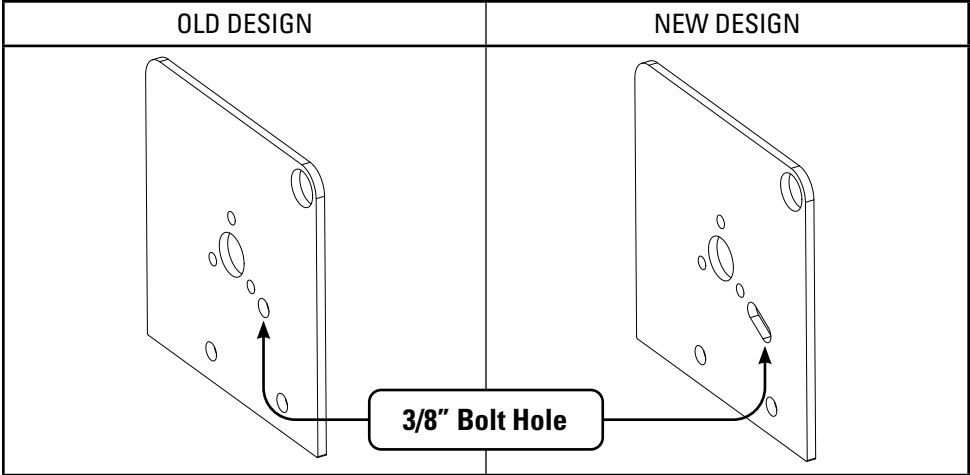


ITEM	PART #	DESCRIPTION	QTY
1	101-0215/105-0215	Open 9000M or Open 6000M Housing	1
2	501-0301	Tarp Return Ramps (Steel)	2
--	501-0302	Tarp Return Ramps (Alum.)	2
3	501-0621	Rope Storage Kits (4 Steel Hooks)	1
---	501-0608	Rope Storage Kits (4 Alum. Hooks)	1
4	517-10XX	Pull Rope (20, 25, 30, 35, 40, 50')	1
5	Determined by Length	Pullrod (85, 91, 93, 96, 100, 105" Lengths)	1
6	501-0612	Pullrod Hardware Kit	1

OPEN 9000M SYSTEM - 3/8" HOLE CHANGES



OPEN 6000M SYSTEM - 3/8" HOLE CHANGES



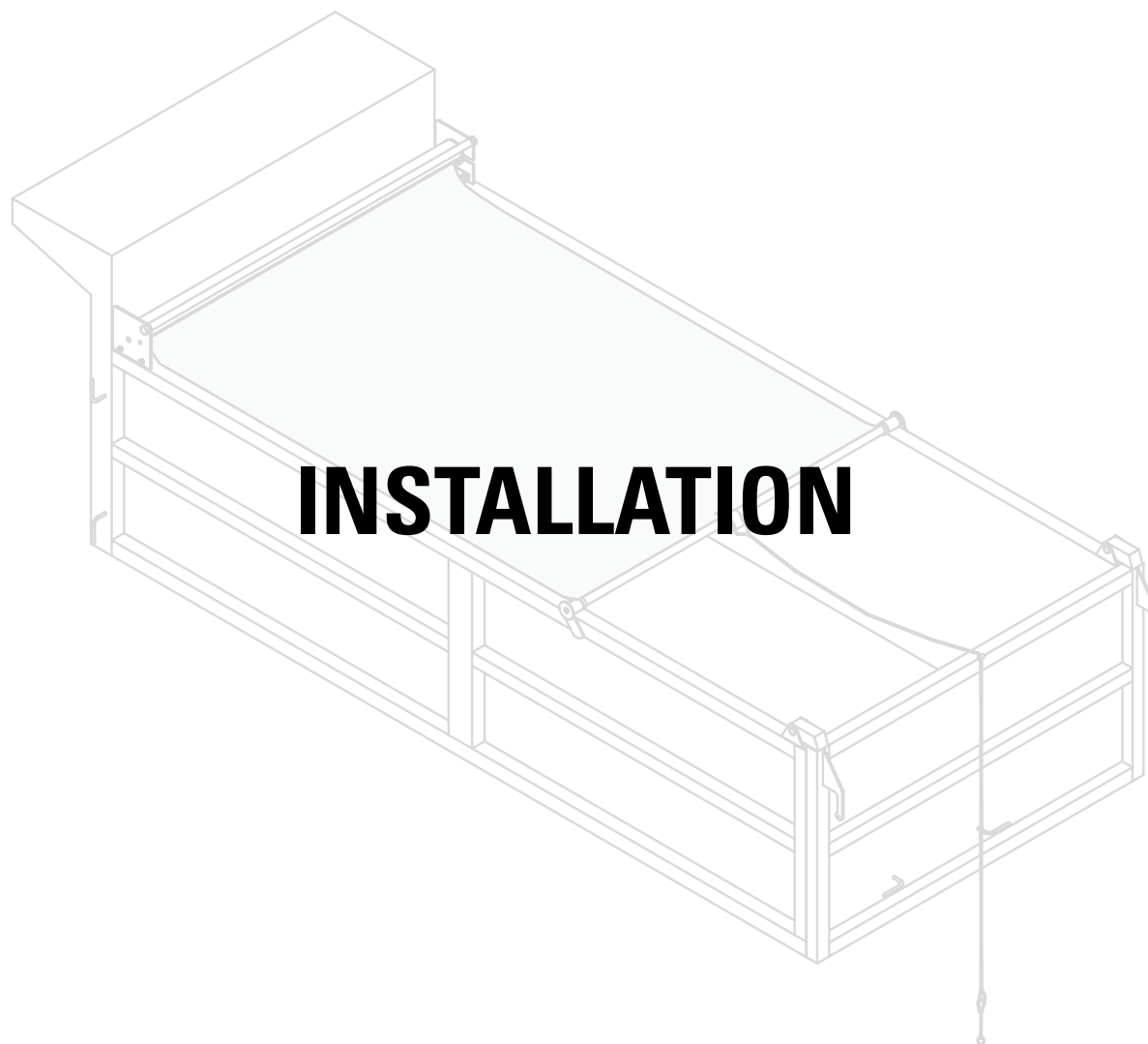


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Open 9000M & 6000M Systems



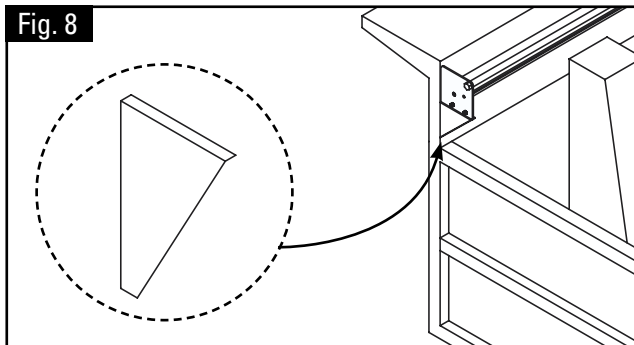
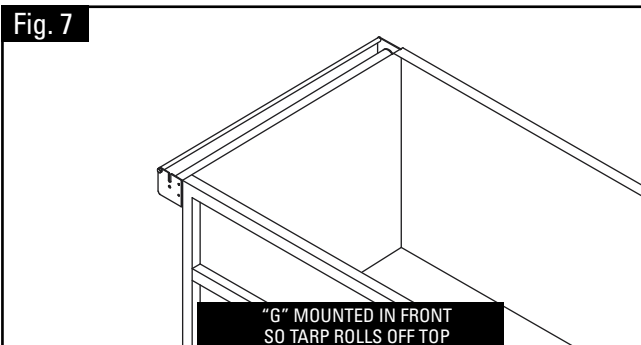
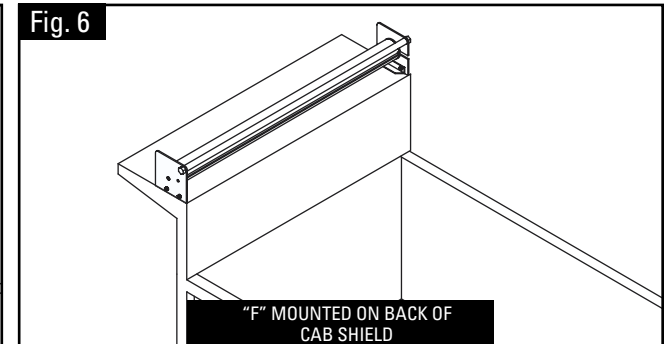
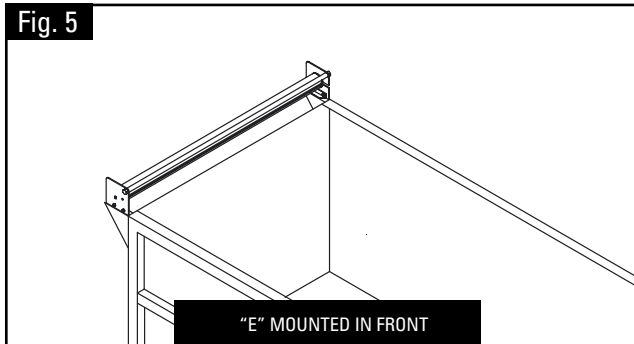
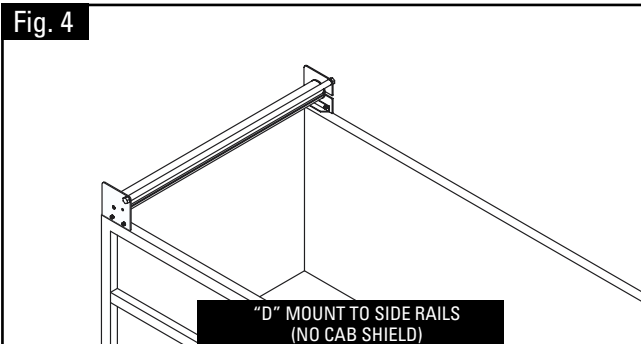
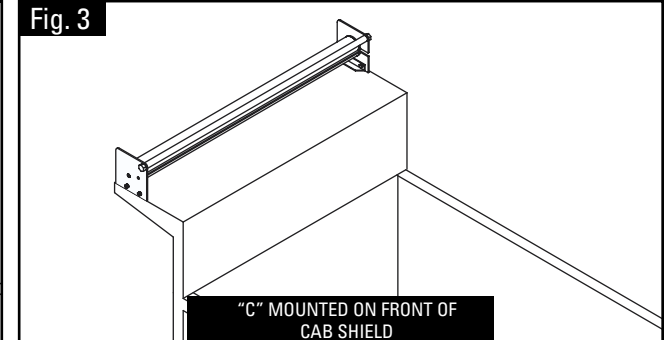
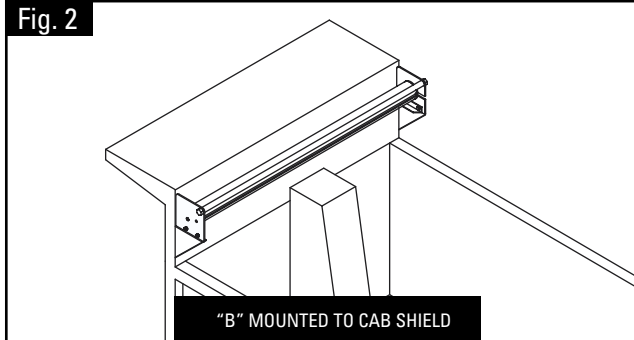
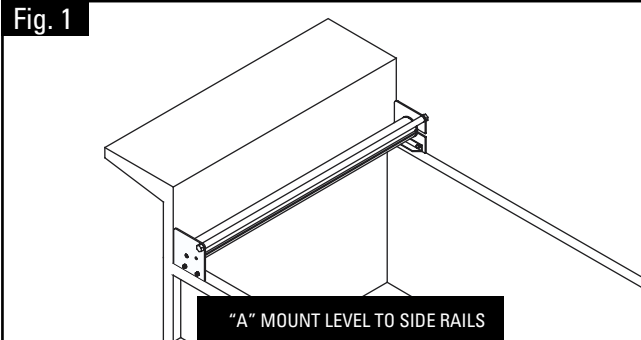


INSTALLATION INSTRUCTIONS

Open 9000M & 6000M Systems

Mounting Positions

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



"B" BRACKETS

NOTE: Use optional "B" brackets when mounting in position "B" and "E" (Fig. 8).

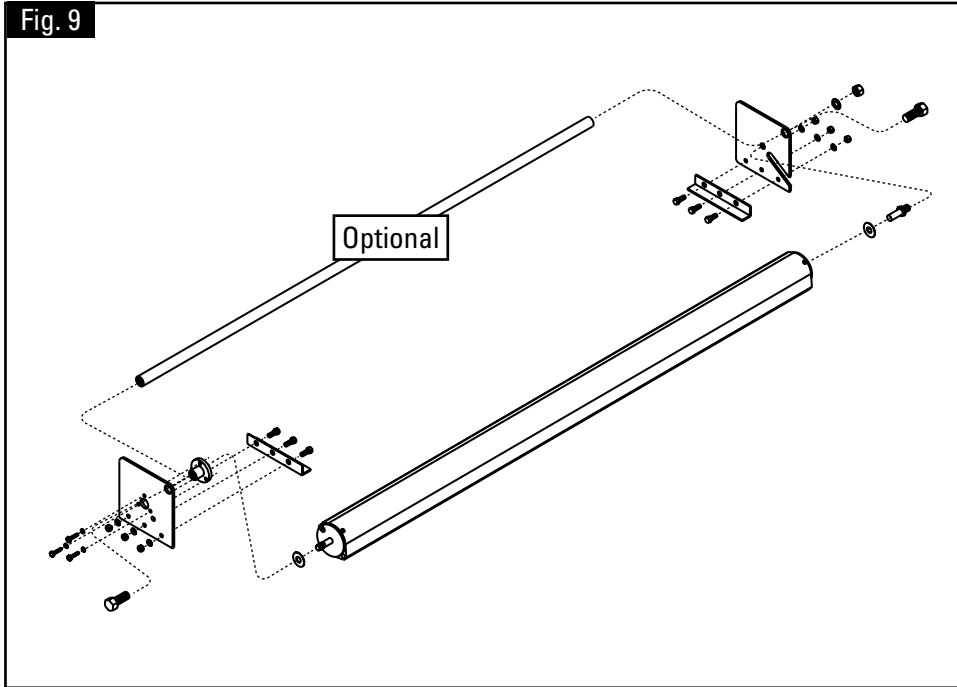


INSTALLATION INSTRUCTIONS

Open 9000M & 6000M Systems

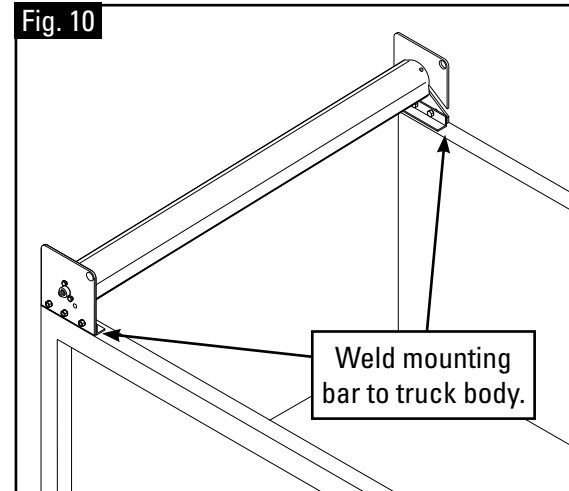
Assembly and Mounting of the Housing

Fig. 9



Step 2: Position the assembled end plate kits at both ends of the roller tube. Place the washers on the spring shaft anchor and universal bolt in stud and place on roller tube. Next, mount the end plates, roller tube and mounting bars. Secure using provided hardware (Fig. 9). **Note:** If tarp has been previously installed, remove from roller tube before welding.

Fig. 10



Step 3: Weld the mounting bar to the truck body (Fig. 10).

For our Bolt-On mounting option, please see [Pulltarps Bolt-On Mounting System / 607-0156](#) instructions.

Note: If tarp is preinstalled, you'll need to remove spring tension and tarp before welding to truck body. [See instructions 607-0036, pages 9-11, to release spring tension.](#)

Step 4: The Tarp Return Ramps should be welded as high as possible on the rear of the truck body (Fig 11A, B & C). 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). **Note:** The Tarp Return Ramps hold the pullrod in place once the tarp has been deployed.

Fig. 11A

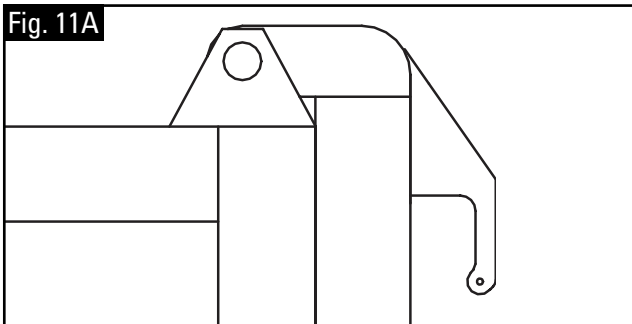


Fig. 11B

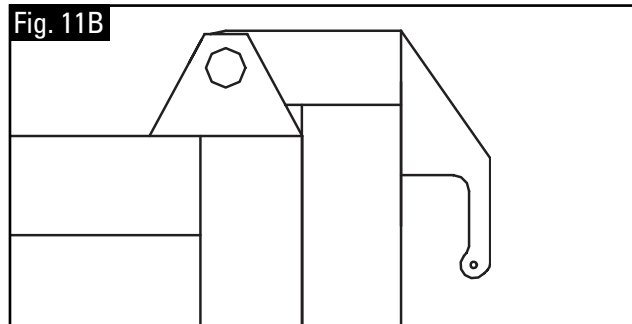
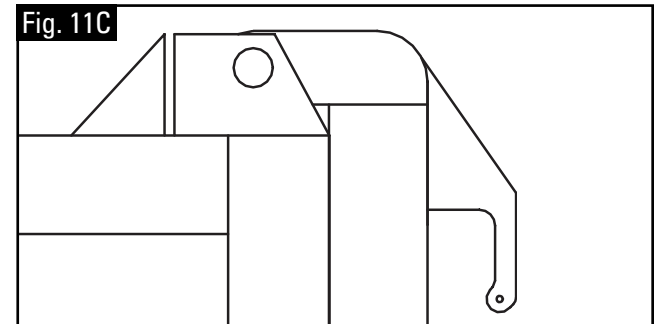


Fig. 11C





INSTALLATION INSTRUCTIONS

Open 9000M & 6000M Systems

Mounting Rope Hooks & Adding Spring Tension

Step 5. 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. 12). When tarp is not in use, space the hooks far enough apart to store the full length of rope (Fig. 13).

Fig. 12

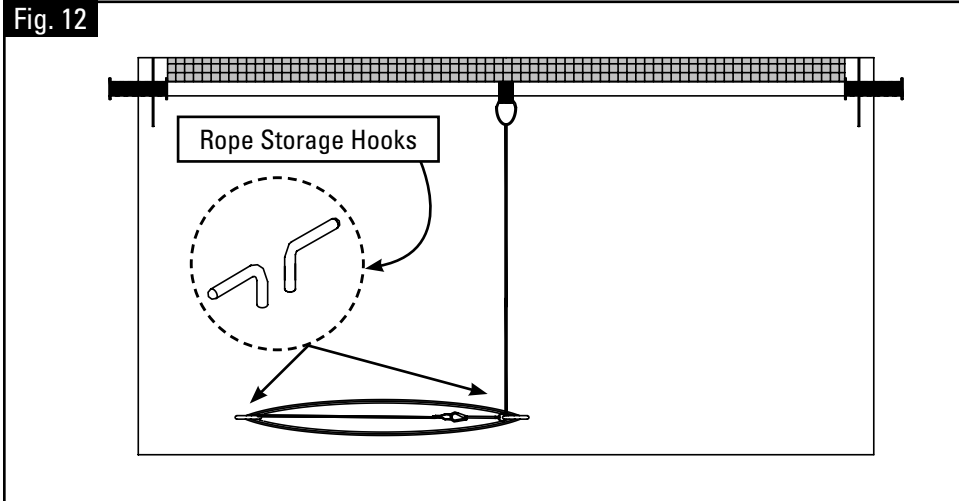


Fig. 13

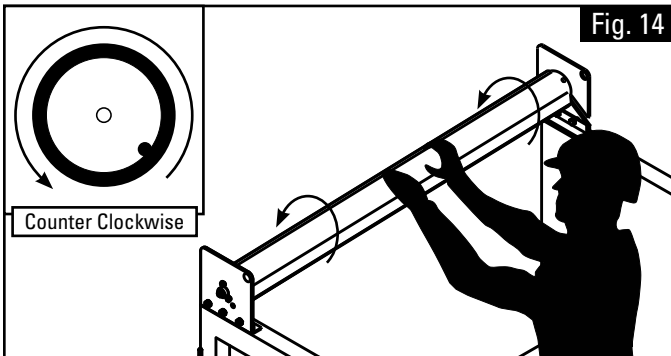
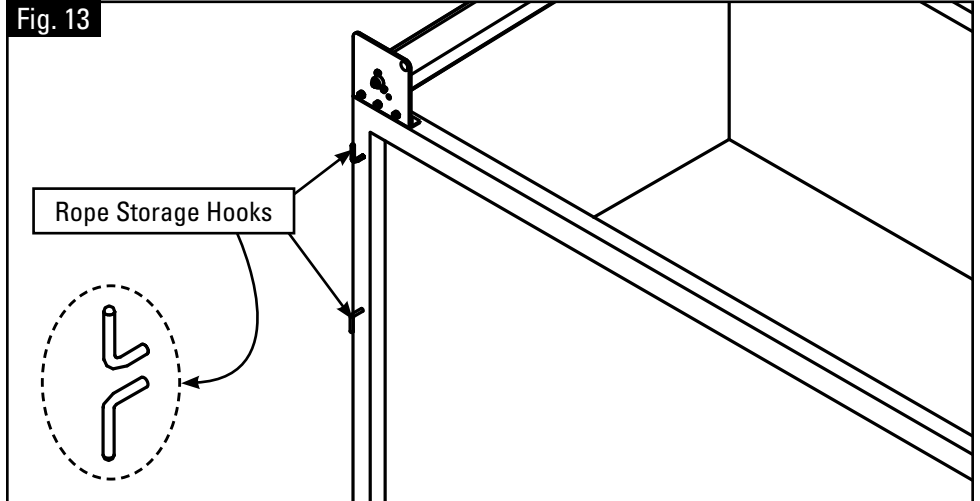


Fig. 14

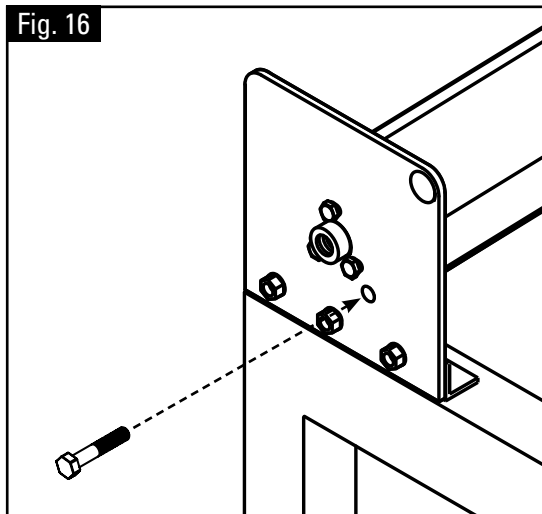
Step 6: Rotate the roller tube counter clockwise by hand 4 to 5 turns until you feel some spring resistance (Fig. 14).

Count the number of turns from that point. Refer to the chart (Fig. 15) below for approximate number of turns required to preload the spring roller.

Fig. 15 - APPROXIMATE PRE-LOAD TURNS

Tarp Length	13 Feet	18 Feet	25 Feet
---	4 Meters	5.5 Meters	7.5 Meters
Turns	25/30	30/35	35/40

Fig. 16



Step 7: While holding the roller tube in place, have a team member insert a 3/8" bolt into the end plate hole and groove in the roller tube to hold the preload on the roller while the tarp is being reinstalled (Fig. 16).

Note: A new side plate will soon be available and will have an elongated hole for the bolt to fit into the new Aluminum Roller Tube.

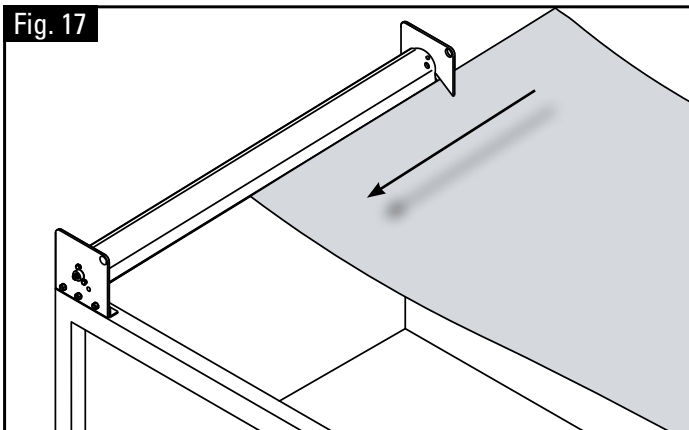


INSTALLATION INSTRUCTIONS

Open 9000M & 6000M Systems

Adding Tarp to System

Fig. 17

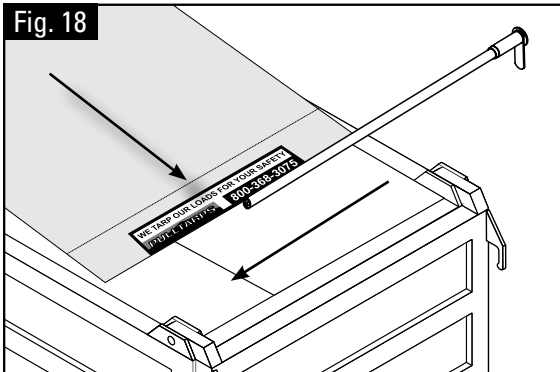


Step 8. Slide the front end of tarp (with beaded rod) into the slot of the roller from the opposite side of the locking bolt. If needed, lubricate the edge of the tarp with soapy water or WD-40 so it will slide into the roller slot easy (Fig. 17).

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!

Fig. 18



Step 9 (If not installed): With the tarp secure in the rollertube and the 3/8" bolt is in place, slide the pullrod onto the tarp. Make sure hemtube fits in slot (Fig. 18).

Note: Use WD-40 to lubricate pullrod groove.

Step 10 (If not installed): With the pullrod installed, now attach the Pullrod Hardware kit (Fig.19).

Fig. 19

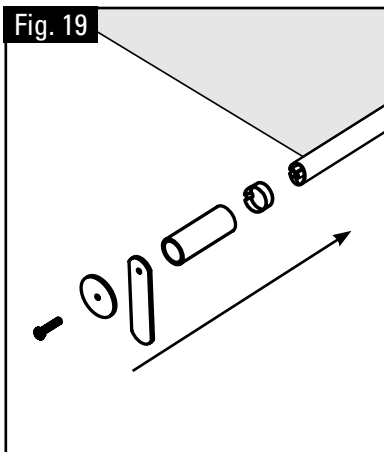
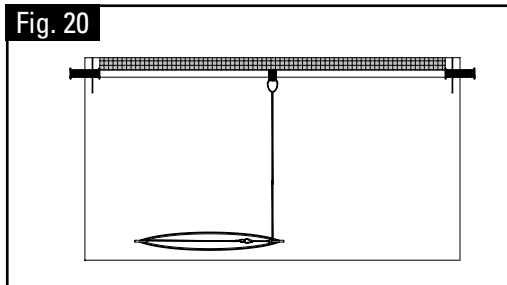
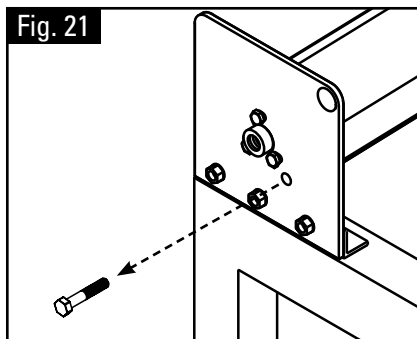


Fig. 20



Step 11: Extend tarp all the way and tie off on rope hooks at the end of the truck body. This will allow you to safely remove the 3/8" bolt with spring tension in the roller tube (Fig. 20).

Fig. 21



Step 12: Remove the 3/8" bolt from the roller tube (Fig. 21).

You can now untie the pull rope from the rope hooks, unhooking the pullbar from the tarp return ramps and slowly letting the tarp retract back onto the roller tube.



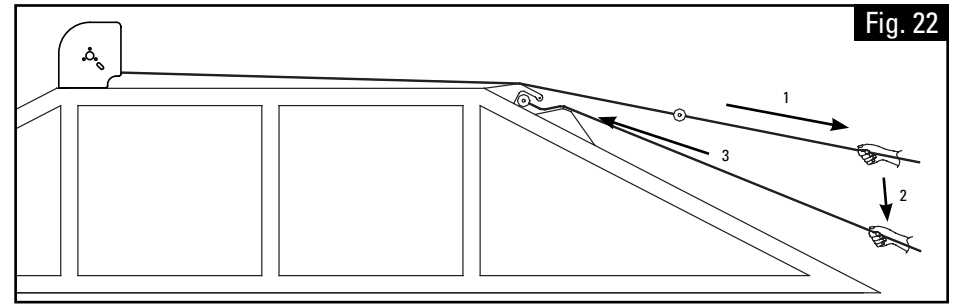
INSTALLATION INSTRUCTIONS

Open 9000M & 6000M Systems

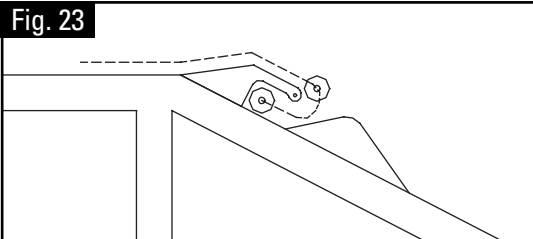
Tarp Return Ramps for Belly Dumps (Optional)

Step 1: All belly dumps require special tarp return ramps. If you are not sure which type to use, call us at Pulltarps (800) 368-3075 for technical support.

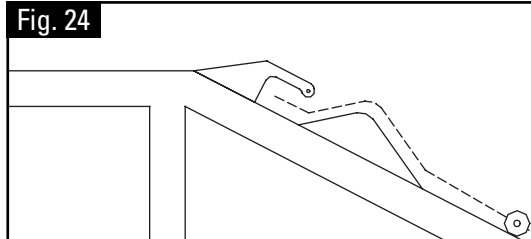
On longer single units, you are too far from the return ramp to unlatch the Pullrod by hand so we developed the easy to operate **Jump Ramp** (Fig. 22). Pull the tarp out all the way. Lower your arm. Release some rope slowly and allow the Pullrod to slide forward and drop down into the Tarp Return Ramp.



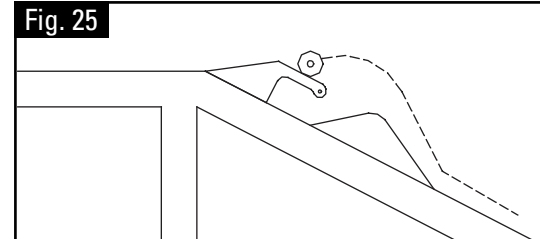
Step 2: Pull out and hook (Fig. 23).



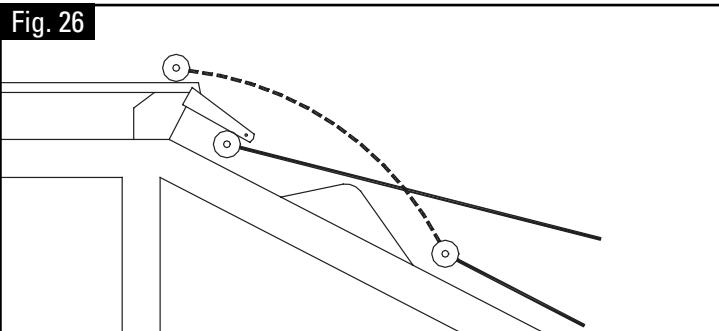
Step 3: To retract, pull the pullrod up over the jump-ramp gusset and down a few inches (Fig. 24).



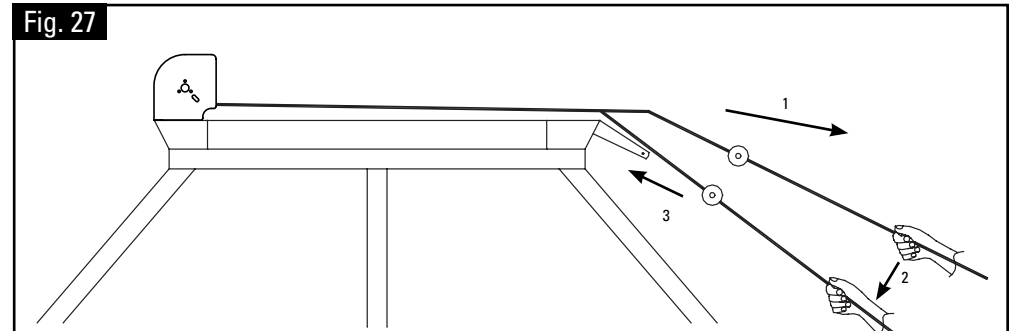
Step 4: Release a few feet of rope quickly and the spring in the roller will cause the Pullrod and tarp to jump over the return ramp and retract back to the system (Fig. 25).



Option A: On long belly dumps with short vertical sideboards, use the finger tarp return ramps. Weld the provided gussets to the box to create a Pullrod jump ramp (Fig. 26).



Option B: On short belly dumps, pull the tarp all the way out. Raise and lower to hook and unhook the Pullrod over the finger tarp return ramps (Fig. 27).





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INSTALLATION INSTRUCTIONS

Open 9000M & 6000M Systems

FLAP TARP, ROPE & HOOK INSTALLATION





INSTALLATION INSTRUCTIONS

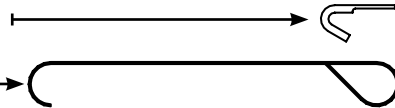
Open 9000M & 6000M Systems

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!

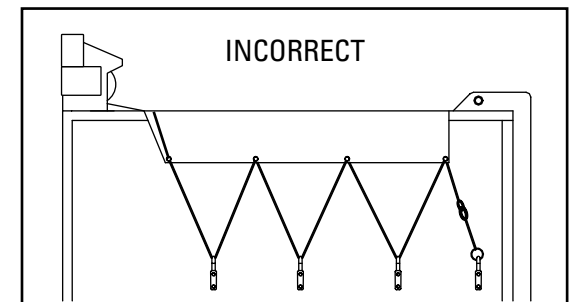
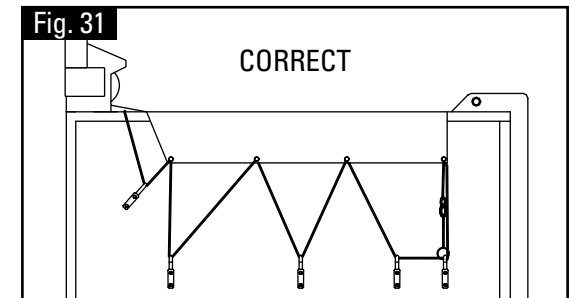
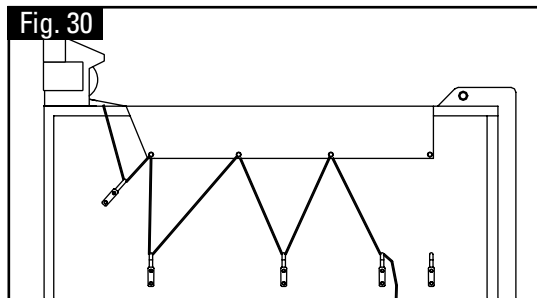
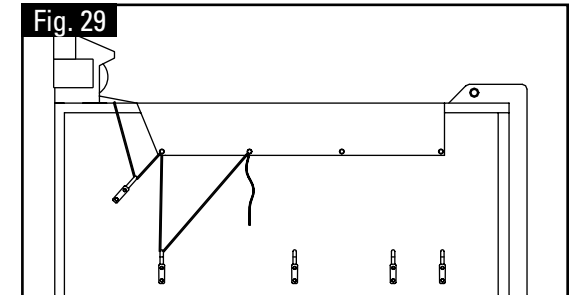
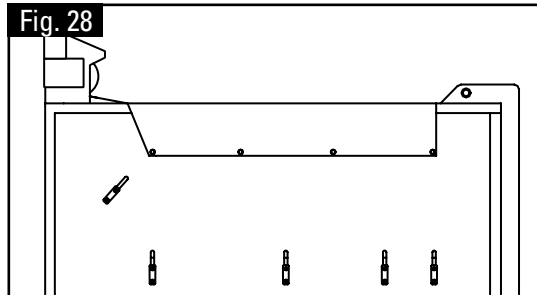
Step 1: Flip the braided rope over the corner so that the flaps and tie down ropes hang over each side of the box. The number of tie down hooks vary depending on the length of your tarp. One pull down hook is included with your Pulltarp system. If needed. Use the hook to pull the braided rope and flaps 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 in **Bungee Cord Installation** section).
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. 28).
2. Position 2nd hook straight down from 1st grommet. This hook should be reached from ground (Fig. 29).
3. Place middle hooks equal distances from grommet (Fig. 30). 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. 31).
5. Weld hooks in place.



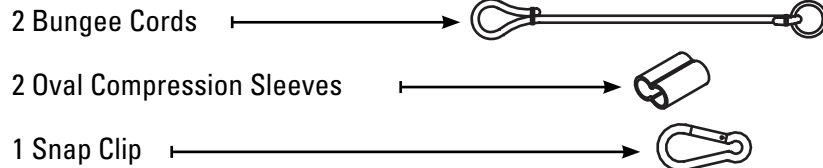


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Open 9000M & 6000M Systems

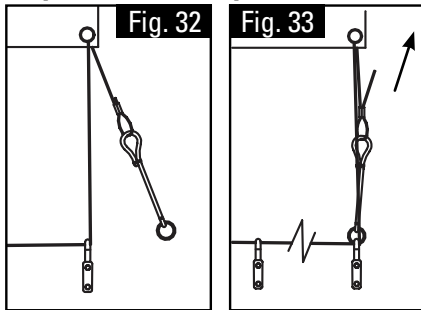
Bungee Cord Installation

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.

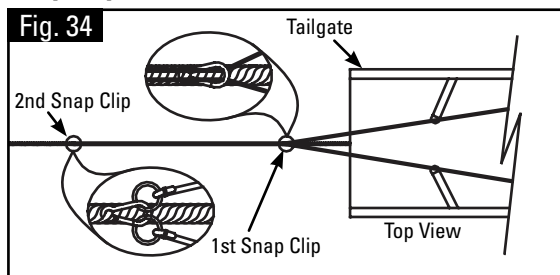
Tarps with Side Flaps



To tighten, pull loose end of rope through the Oval Compression Sleeve (Fig. 32). Stretch the bungee cord making sure all slack is taken out of the rope, crimp compression sleeve (Fig. 33). Be sure to keep flaps even on sides so Tie Down Ropes remain equal in length.

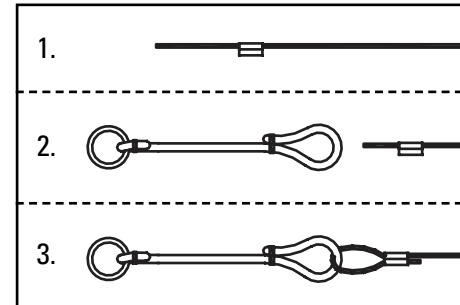
Note: Check for proper placement of rope through the last two hooks.

Snap Clip Installation



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

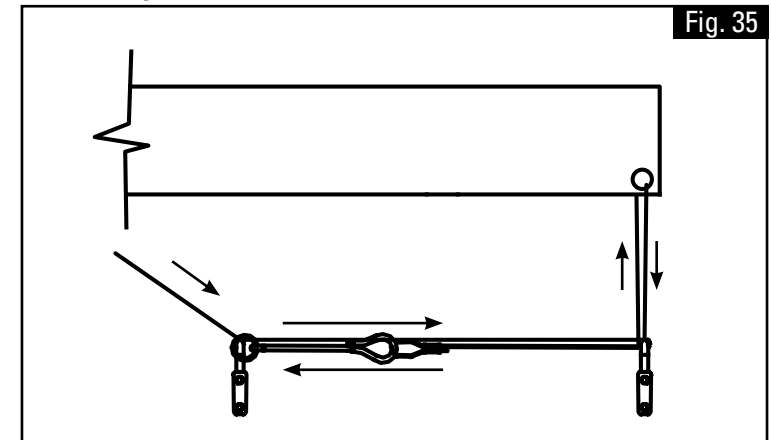
Flip the rope back on top of the tarp, making sure to hold the bungee at all times. The first snap clip is factory installed 5'-6" from the pullrod. Open the clip and enclose the rope. Weave the second clip through the main pullrope where the ends of the bungee cords meet the main pullrope. Make sure the rope is taught when clipped (Fig. 34).



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. 35).



INSTALLATION INSTRUCTIONS

Open 9000M & 6000M Systems

Flap, Rope and Rope Hook Placement

Step 3 - Flap / Tie Down Rope Placement and Installation (Fig. 36).

Fig. 36

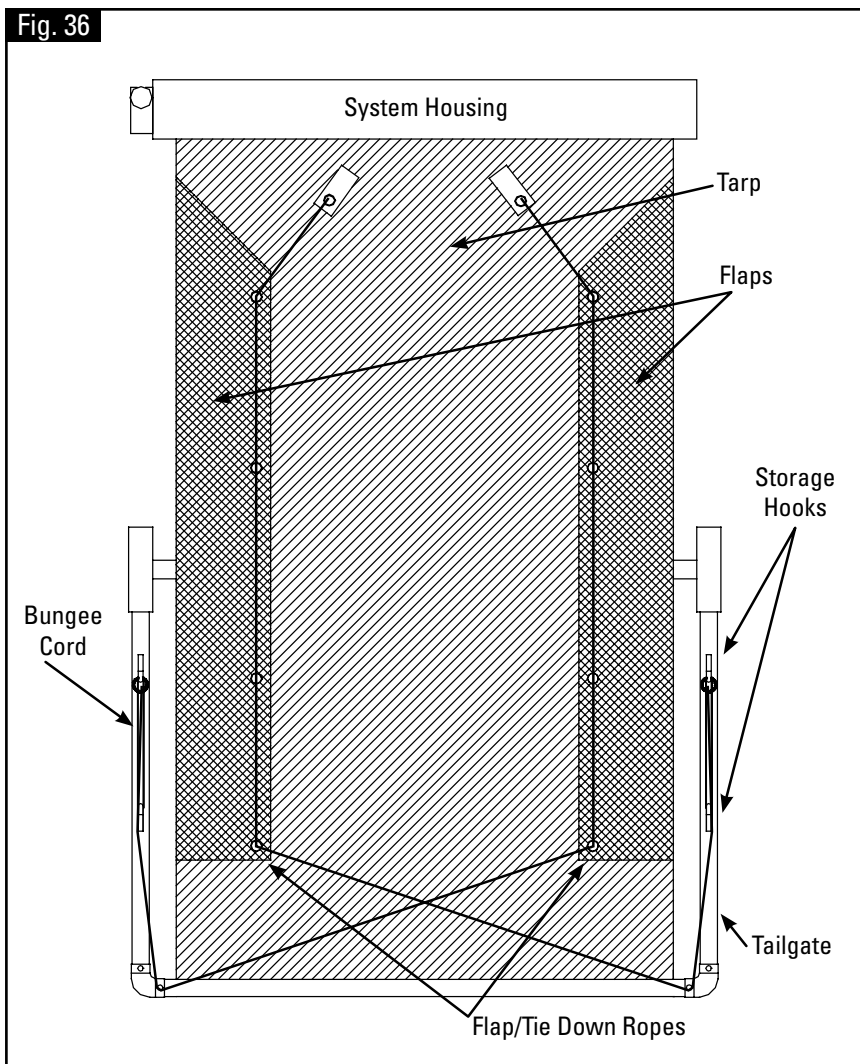
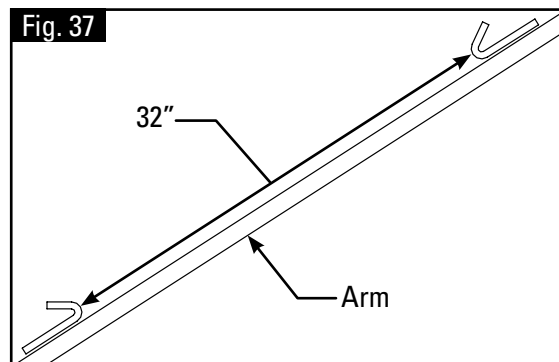
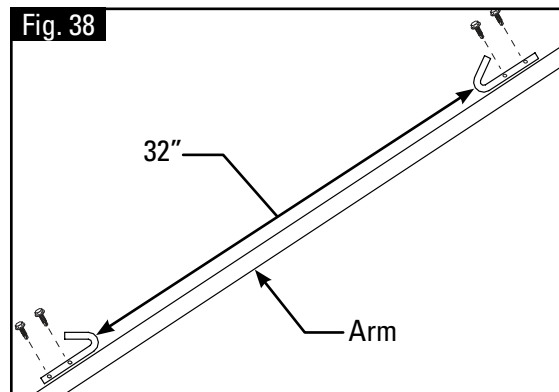


Fig. 37



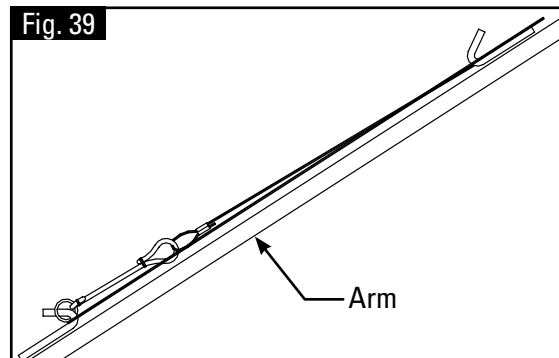
Step 4 - Rope Hook Placement: Weld rope storage hook on the top of the arms approx. 32" apart (Fig. 37).

Fig. 38



Step 5 - Rope Hook Placement For Aluminum Arms: Use Self Drilling screws (part #506-9933) to install hooks (Fig. 38).

Fig. 39



Step 6 - Rope storage on Arms (Fig. 39).