



INSTALLATION INSTRUCTIONS

Aluminator™ 7000M

102-0215 & 103-0215

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



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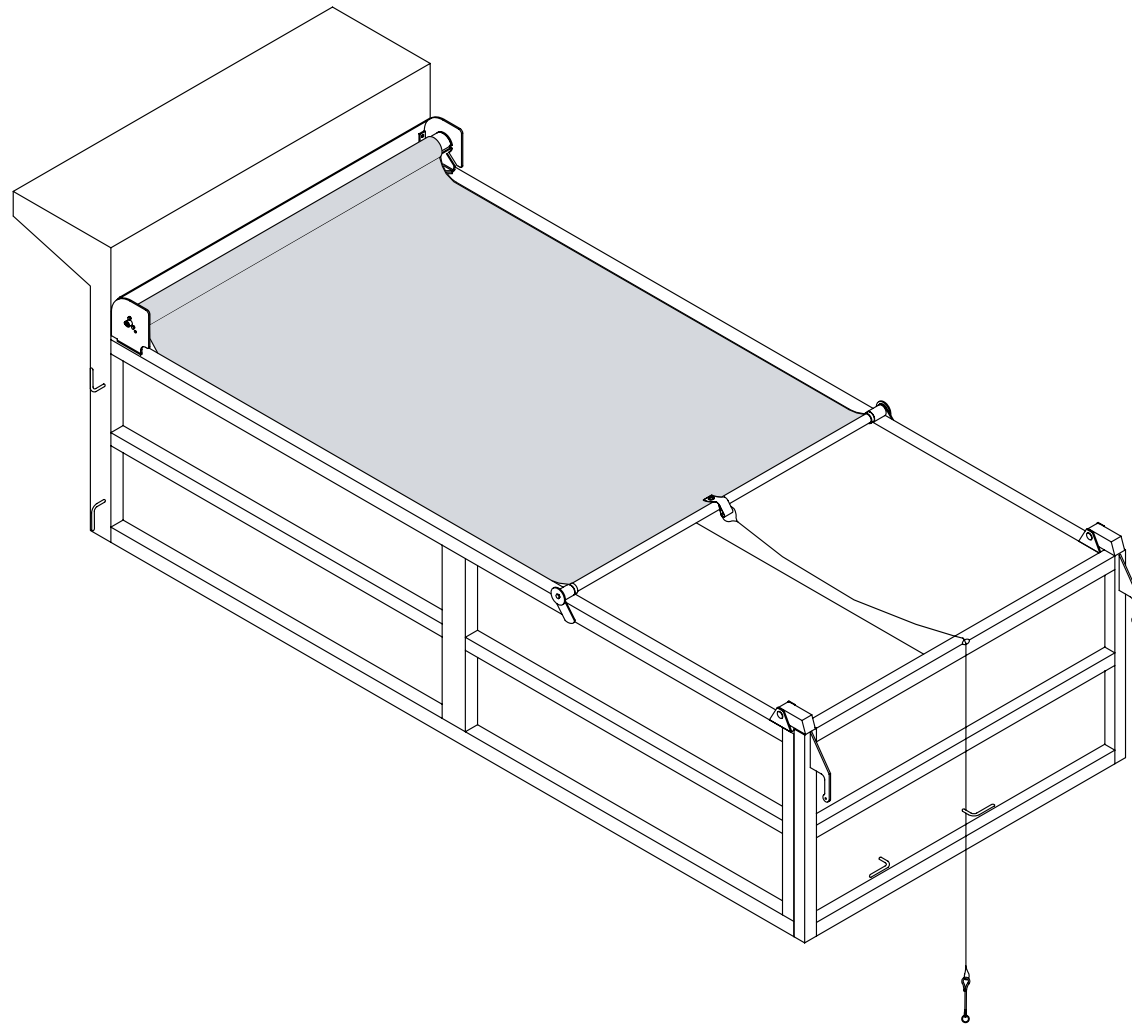
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[PDF: Flap Tarps Installation](#)



[PDF: Semi-Auto Spring Replacement](#)



Document #: 607-0018
Revised: 05/31/22 WLH

DURING INSTALLATION, SOME FABRICATION MAY BE REQUIRED.



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INSTALLATION INSTRUCTIONS

Aluminator™ 7000M

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PARTS & TOOLS



INSTALLATION INSTRUCTIONS

Aluminator™ 7000M

ITEM	PART #	DESCRIPTION	QTY
1	501-13XX	Alum. Roller Tube Assy 80,84,87,89,93,96,100"	1
2	501-0207	7.5" Aluminum End Plate (Drvr.)	1
3	501-0208	7.5" Aluminum End Plate (Pass.)	1
4	505-5002	Nylon Washer	1
5	505-2503	1/4" Lock Washer	3
6	503-2503	1/4" - 20 x 1/2"lg. HHCS Bolt	3
7	501-0804	Steel Spring Shaft Anchor	1
8	501-150X	5" Mounting Bar (Specify Steel or Aluminum)	2
9	503-3102	5/16" - 18 x 1"lg. HHCS Bolt	4
10	505-3102	5/16" Lock Washer	4
11	501-0633	Universal Bolt In Stud Kit	1

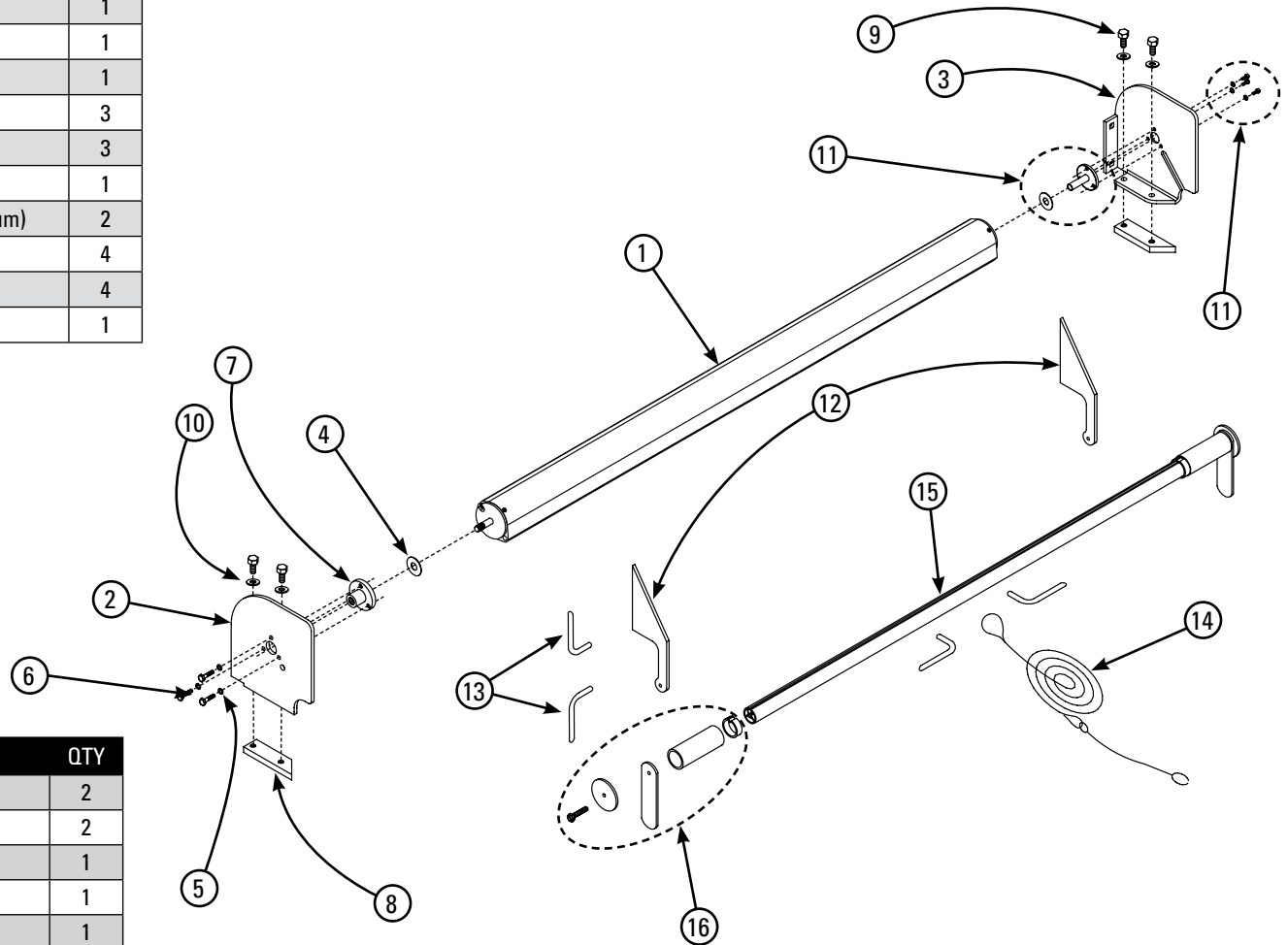
Aluminator™ 7000M Open System #102-0215

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

REV. 05/19/22 WLH

Pullrod Hardware

ITEM	PART #	DESCRIPTION	QTY
12	501-0301	Tarp Return Ramps (Steel)	2
--	501-0302	Tarp Return Ramps (Alum.)	2
13	501-0621	Rope Storage Kits (4 Steel Hooks)	1
--	501-0608	Rope Storage Kits (4 Alum. Hooks)	1
14	517-10XX	Pull Rope (20, 25, 30, 35, 40, 50')	1
15	Determined by Length	Pullrod (85, 91, 93, 96, 100, 105" Lengths)	1
16	501-0612	Pullrod Hardware Kit	1



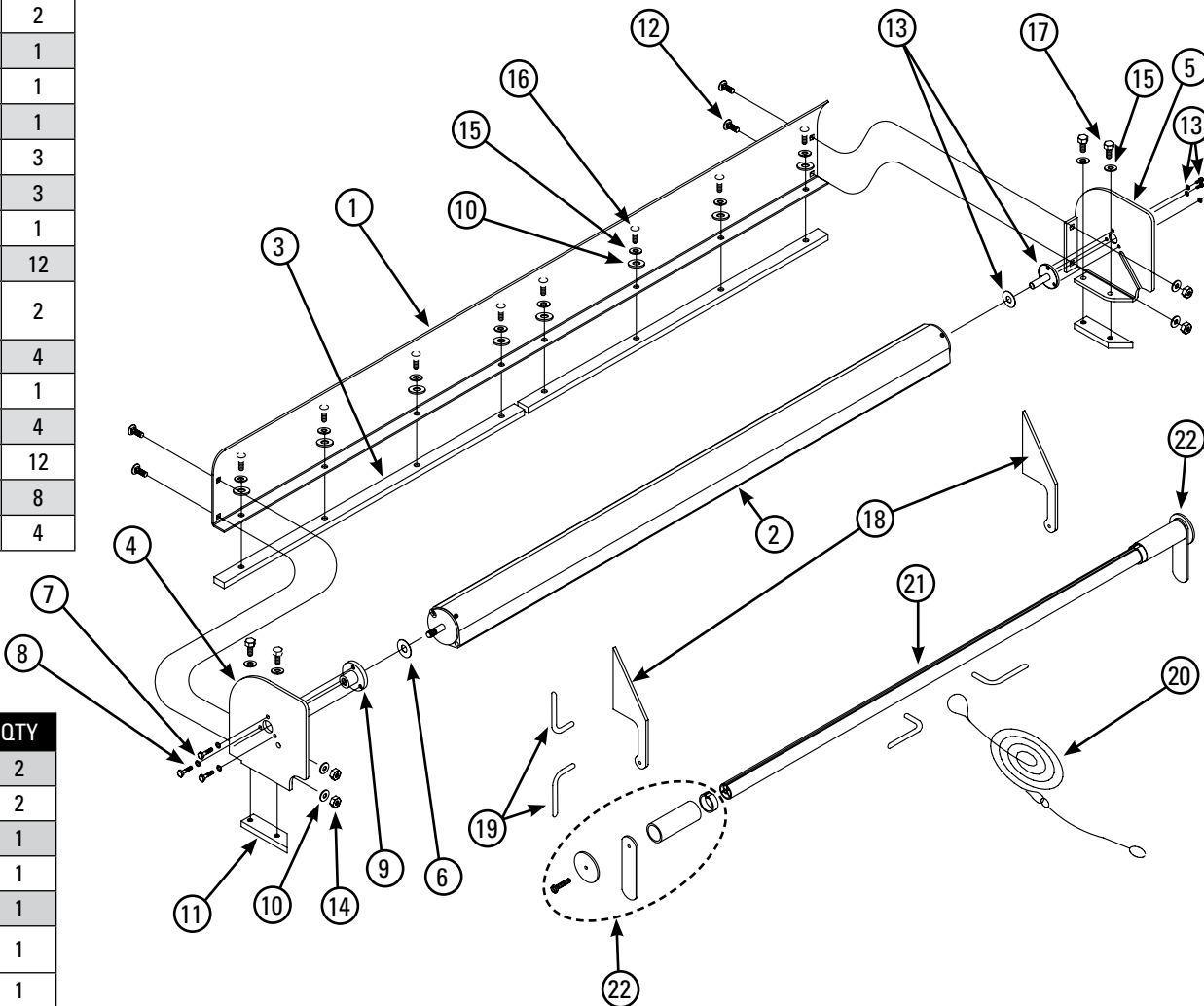


INSTALLATION INSTRUCTIONS

Aluminator™ 7000M

ITEM	PART #	DESCRIPTION	QTY
1	501-10XX	Alum. Wind Guard 80, 84, 87, 89, 93, 96, 100"	1
2	501-13XX	Alum. Roller Tube Assy 80,84,87,89,93,96,100"	1
3	501-15XX	Mounting Bar-Steel 40, 42, 43.5, 44.5, 46.5, 48, 50"	2
4	501-0207	7.5" Aluminum End Plate (Drvr.)	1
5	501-0208	7.5" Aluminum End Plate (Pass.)	1
6	505-5002	Nylon Washer	1
7	505-2503	1/4" Lock Washer	3
8	503-2503	1/4" - 20 x 1/2"lg. HHCS Bolt	3
9	501-0804	Steel Spring Shaft Anchor	1
10	505-2502	1/4" Flat Washer USS	12
11	501-150X	5" Mounting Bar (Specify Steel or Aluminum)	2
12	503-3104	5/16" - 18 x 3/4"lg. Carriage Bolt	4
13	501-0805	Universal Bolt In Stud Kit	1
14	504-3103	5/16" - 18 Nyloc Nut	4
15	505-3102	5/16" Lock Washer	12
16	503-3101	5/16" - 18 x 1/2"lg. HHCS Bolt	8
17	503-3102	5/16" - 18 x 1"lg. HHCS Bolt	4

Aluminator™ 7000M with Wind Guard #103-0215 (Widths of 80, 84, 87, 89, 93, 96, 100")



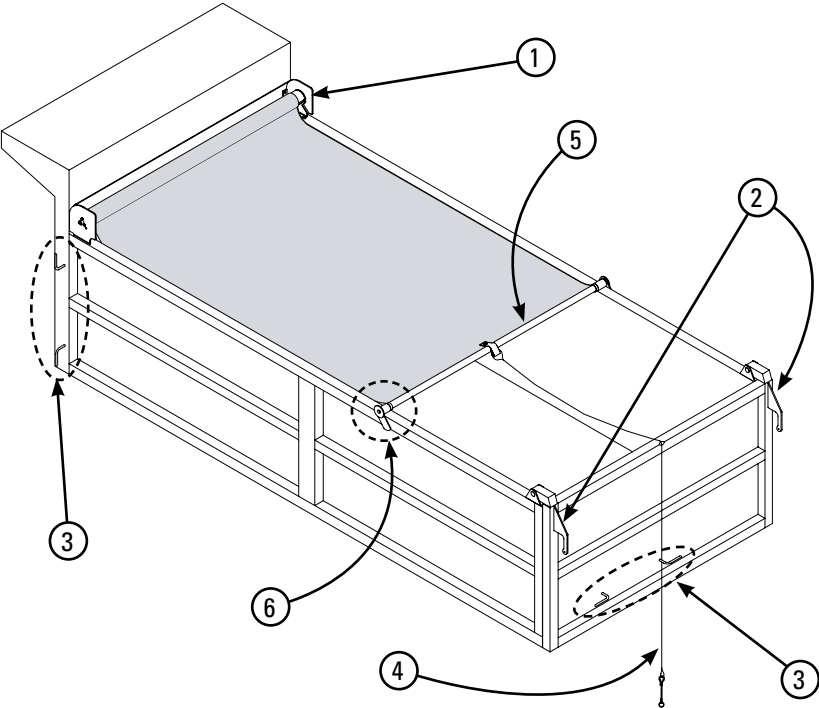
REV. 10/25/21 WLH

Pullrod Hardware

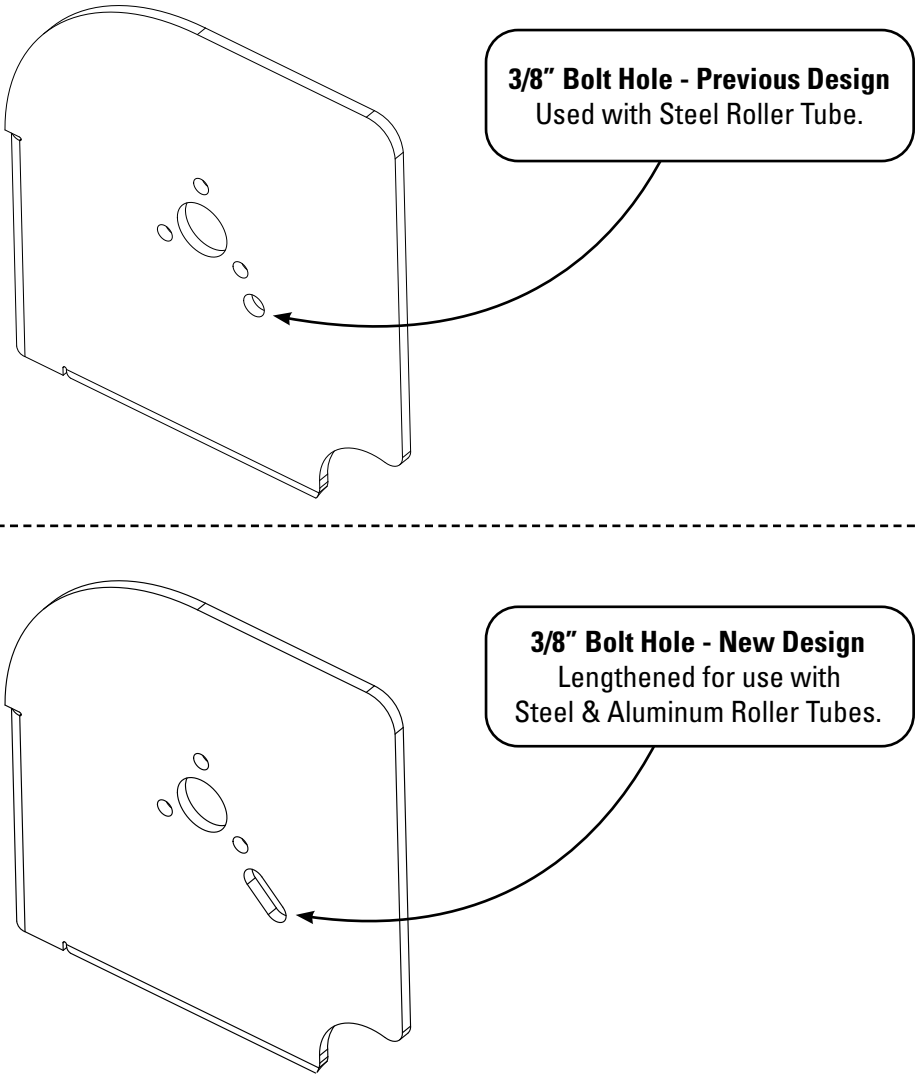
ITEM	PART #	DESCRIPTION	QTY
18	501-0301	Tarp Return Ramps (Steel)	2
--	501-0302	Tarp Return Ramps (Alum.)	2
19	501-0621	Rope Storage Kits (4 Steel Hooks)	1
--	501-0608	Rope Storage Kits (4 Alum. Hooks)	1
20	517-10XX	Pull Rope (20, 25, 30, 35, 40, 50')	1
21	Determined by Length	Pullrod (85, 91, 93, 96, 100, 105" Lengths)	1
22	501-0612	Pullrod Hardware Kit	1



Aluminator™ 7000M Key Components & Updated End Plate



ITEM	PART #	DESCRIPTION	QTY
1	103-0215	Aluminator™ 7000M with Wind Guard	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



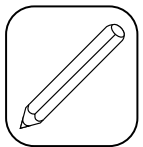

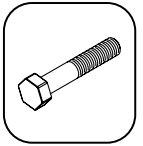
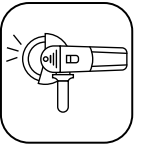



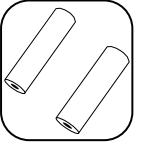
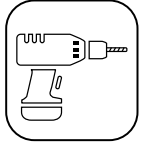
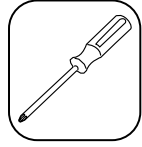





INSTALLATION INSTRUCTIONS

Aluminator™ 7000M

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 | | | | | | |



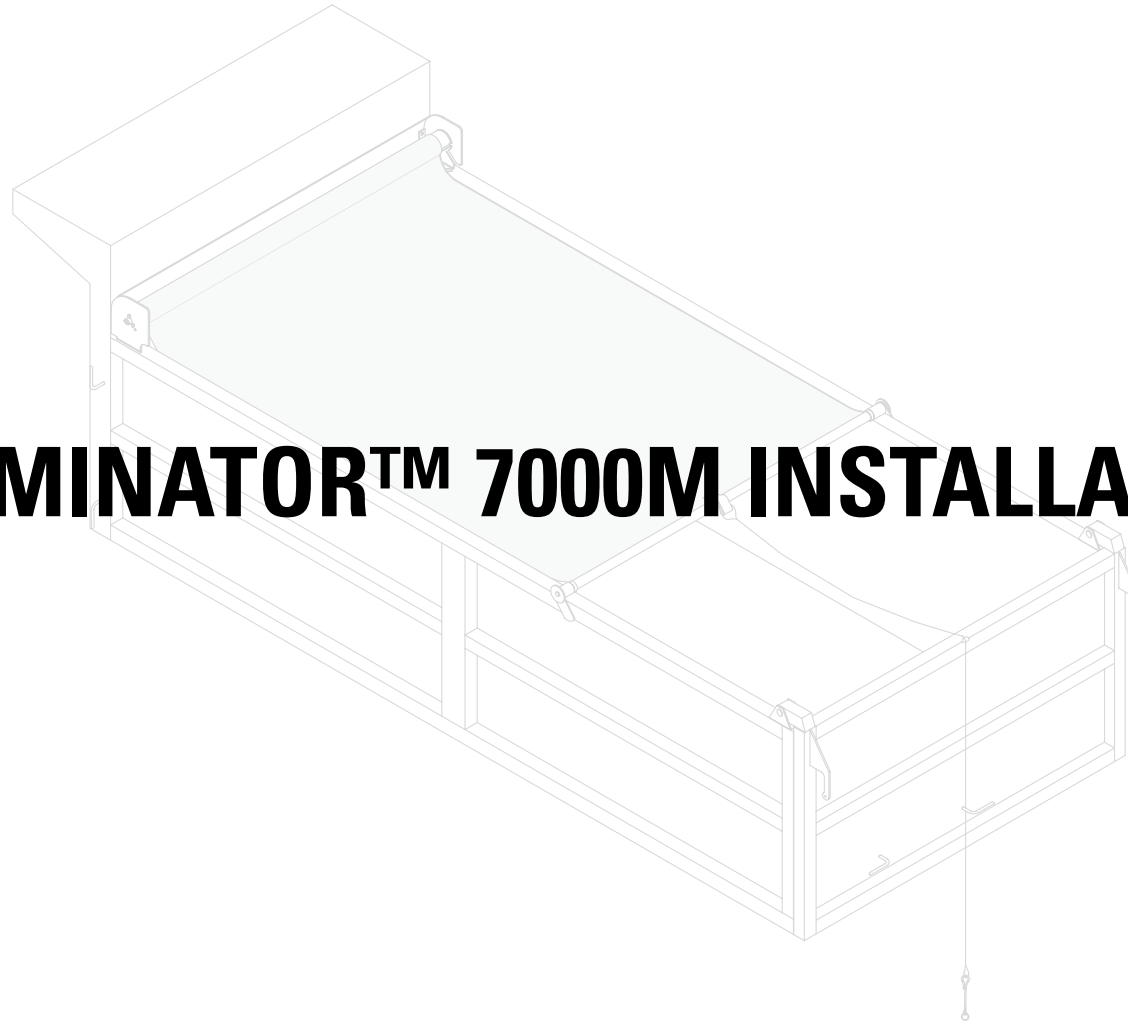
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INSTALLATION INSTRUCTIONS

Aluminator™ 7000M

ALUMINATOR™ 7000M INSTALLATION



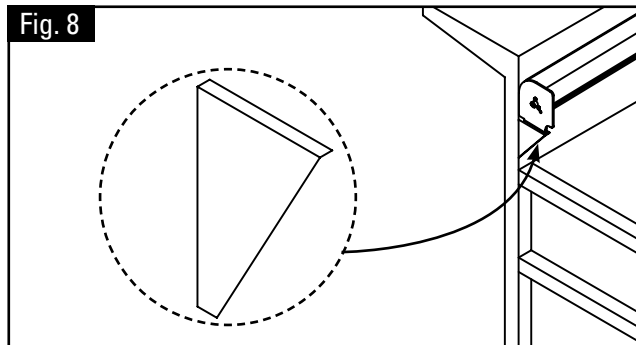
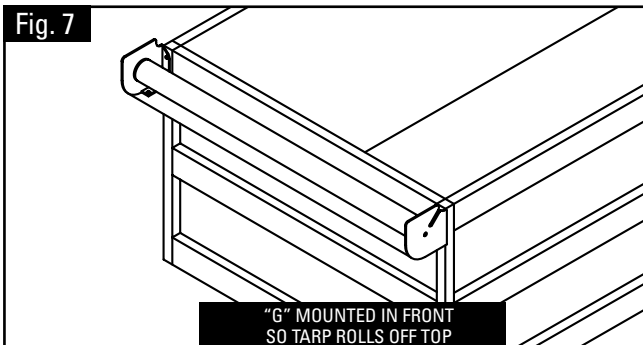
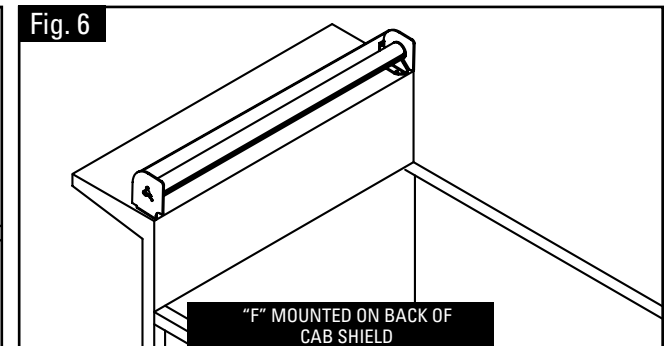
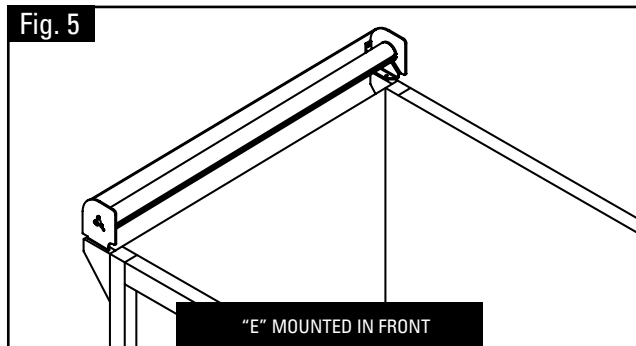
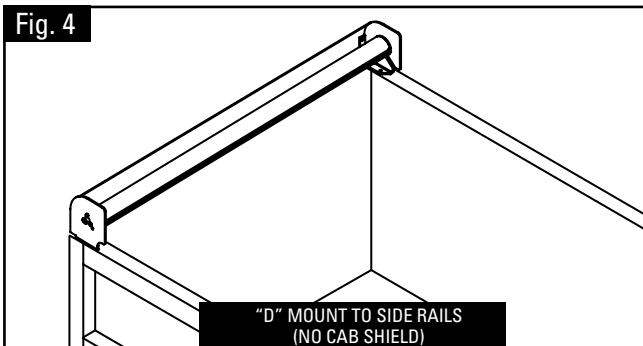
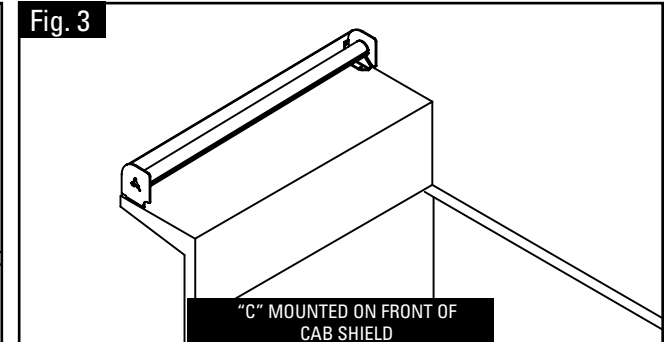
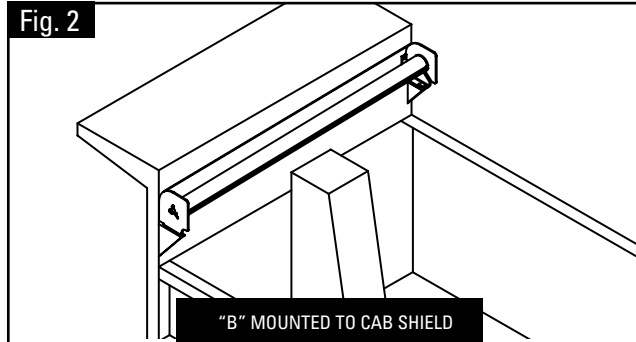
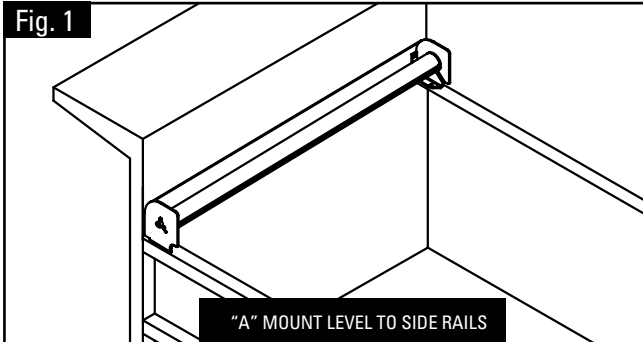


INSTALLATION INSTRUCTIONS

Aluminator™ 7000M

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).

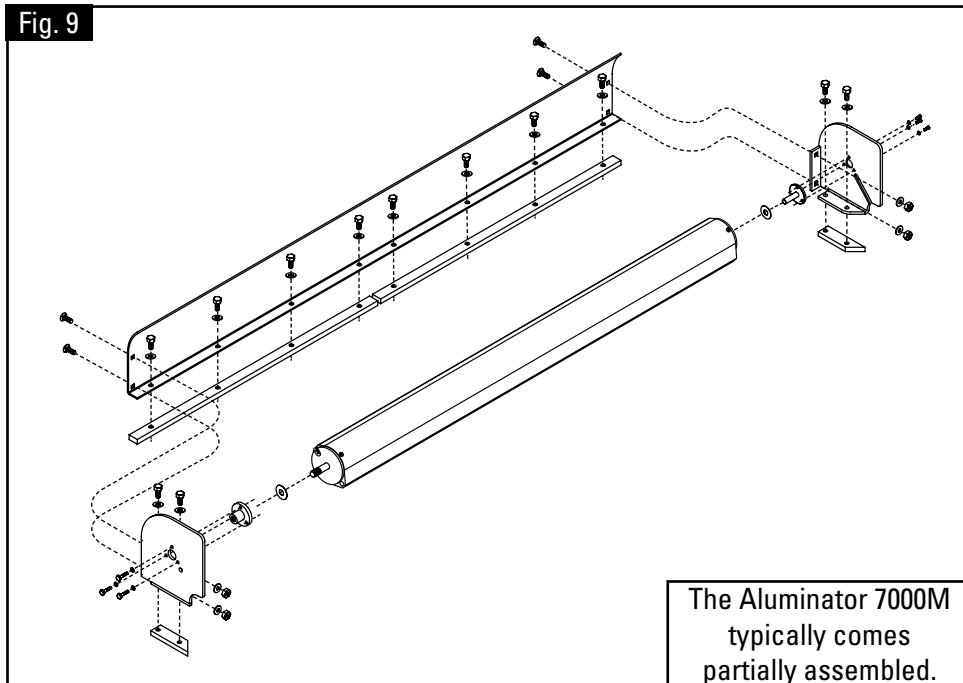


INSTALLATION INSTRUCTIONS

Aluminator™ 7000M

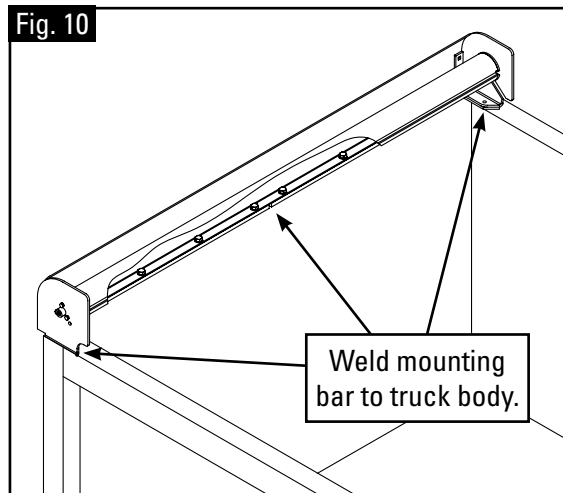
Assembly and Mounting of the Housing

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 and roller tube onto the preassembled Wind Guard 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

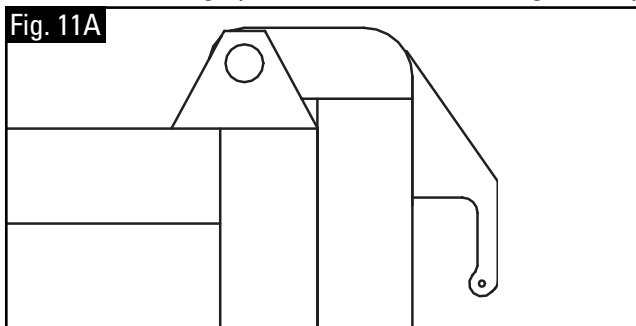


Fig. 11B

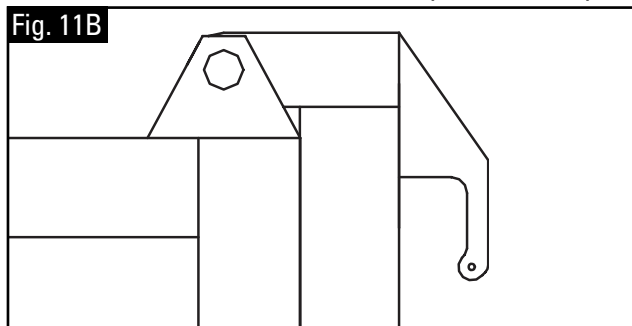
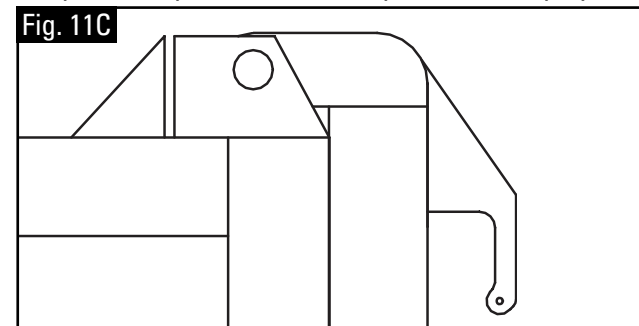


Fig. 11C



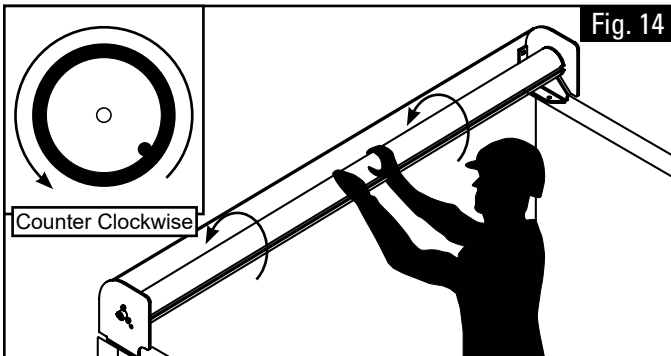
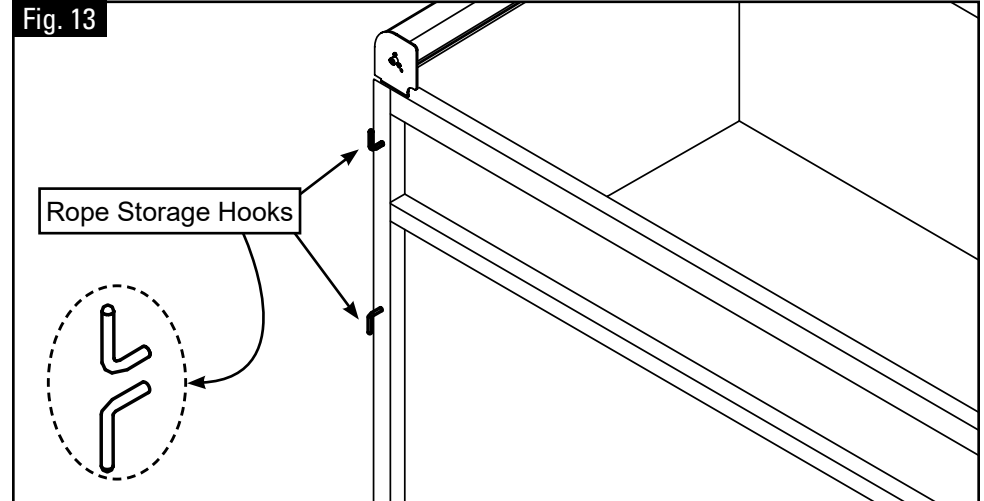
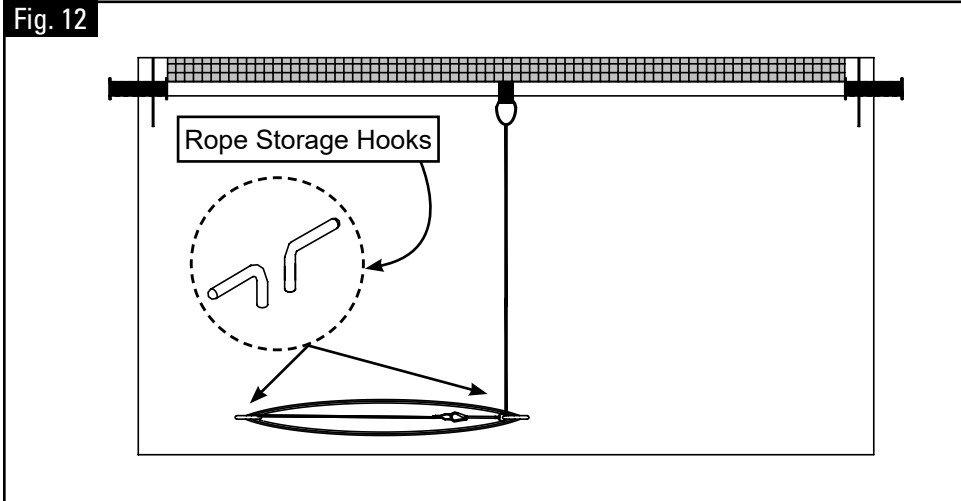


INSTALLATION INSTRUCTIONS

Aluminator™ 7000M

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).

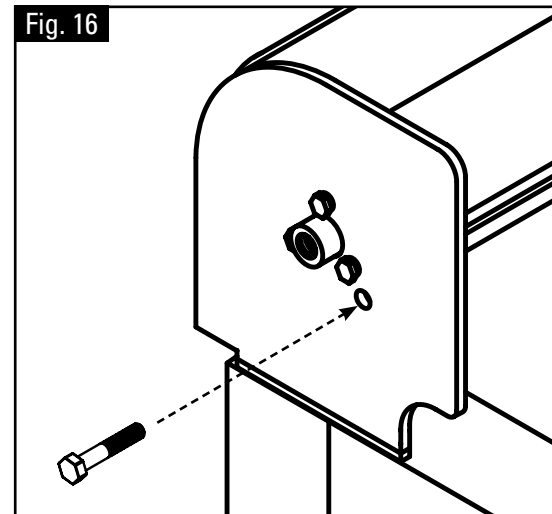


Step 6: Rotate the roller tube counter clockwise by hand 4 to 5 turns until you feel some spring resistance (Fig. 14).

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



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.

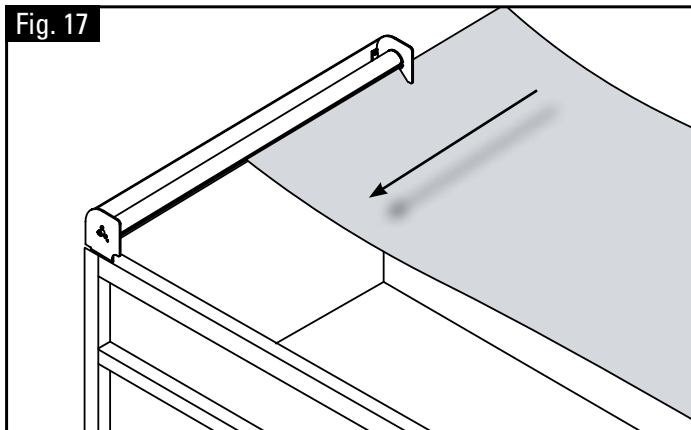


INSTALLATION INSTRUCTIONS

Aluminator™ 7000M

Adding Tarp to System

Fig. 17

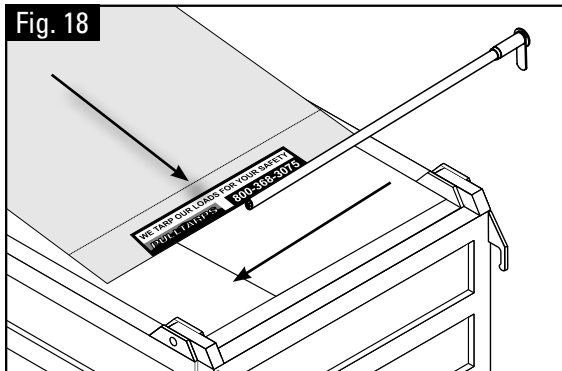


Step 8. Slide the front end of tarp (with beaded rod) into the slot of the roller from the opposite side of the locking bolt. If needed, lubricate the edge of the tarp with soapy water or WD-40 so it will slide into the roller slot easy (Fig. 17).

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

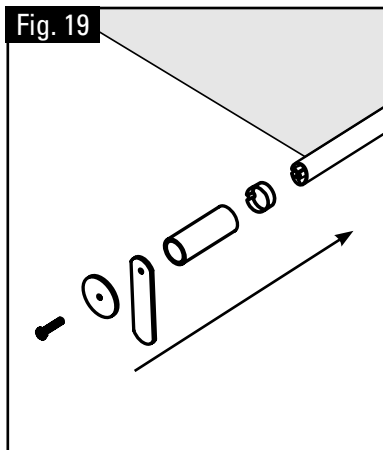
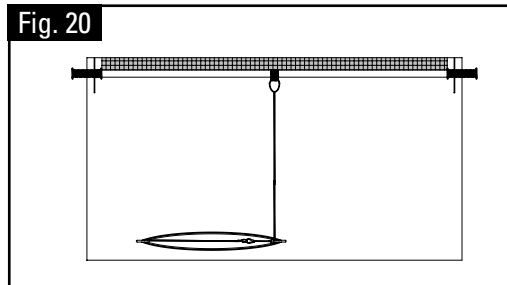
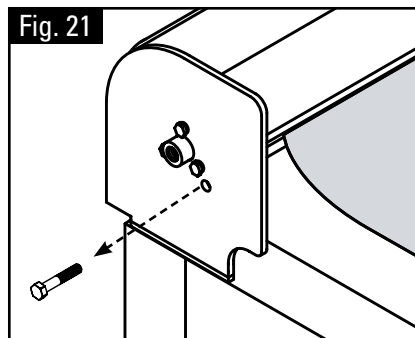


Fig. 20



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

Aluminator™ 7000M

Roll Off The Top Application (Optional)

WARNING: YOU MUST RELEASE THE SPRING PRESSURE / PRELOAD BEFORE TRYING TO DISASSEMBLE THE SYSTEM

(See instructions 607-0036, pages 9-11, to remove tarp and release spring tension)

The system is designed with the slotted end plate to the right (passenger) side (Fig. 22 & 23).

Step 1: Remove the Universal End Plate Stud, by taking the three bolts and washers off.

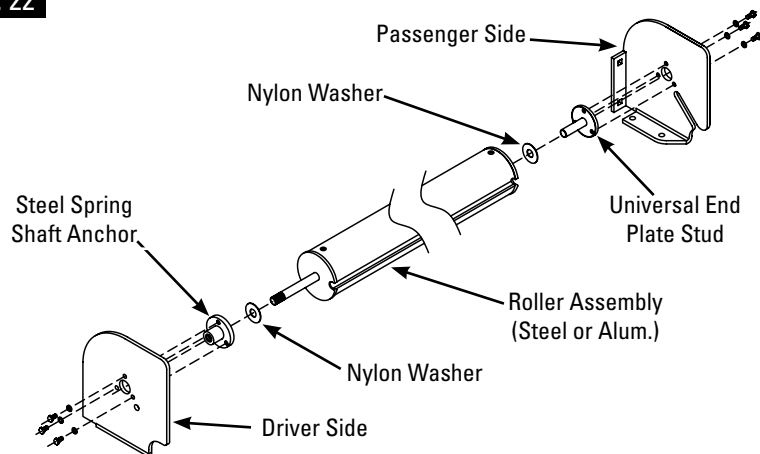
Step 2: Next go to the driver side end plate and remove the Steel Spring Shaft Anchor, by removing the three bolts and washers.

Step 3: Remount the Steel Spring Shaft Anchor to the passenger side end plate (Fig. 23). Insert the Universal End Plate Stud to the roller assembly and then bolt to the driver side end plate. The roller should be free to move from side to side at lease 1/8" and have at lease one nylon washer per side.

Note: If you ordered the system to roll off the top, your system would be assembled with these changes already done for you.

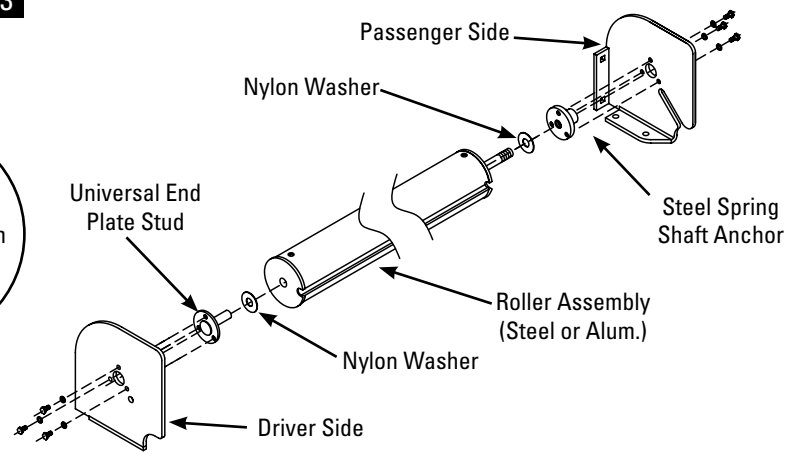
Bottom Roll System

Fig. 22



Top Roll System

Fig. 23



Preload the
Spring Mechanism
See page 9



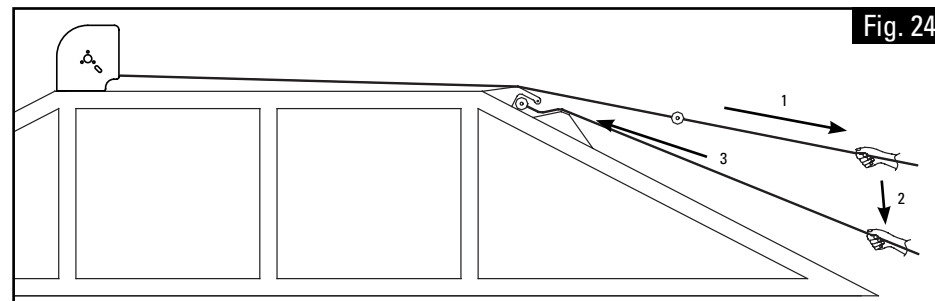
INSTALLATION INSTRUCTIONS

Aluminator™ 7000M

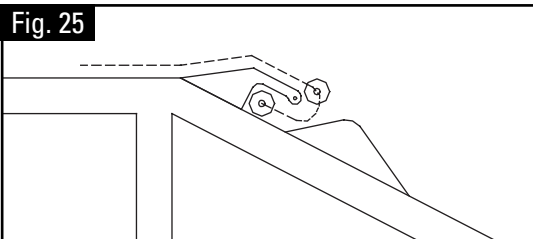
Tarp Return Ramps for Belly Dumps (Optional)

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.

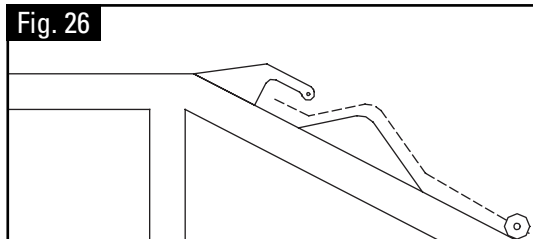
On longer single units, you are too far from the return ramp to unlatch the Pullrod by hand so we developed the easy to operate **Jump Ramp** (Fig. 24). Pull the tarp out all the way. Lower your arm. Release some rope slowly and allow the Pullrod to slide forward and drop down into the Tarp Return Ramp.



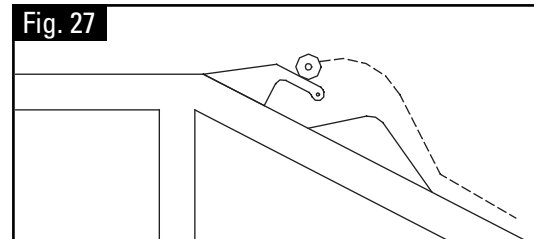
Step 2: Pull out and hook (Fig. 25).



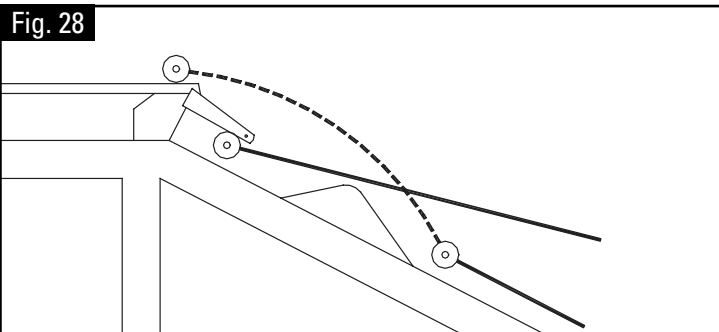
Step 3: To retract, pull the pullrod up over the jump-ramp gusset and down a few inches (Fig. 26).



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. 27).



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. 28).



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. 29).

