

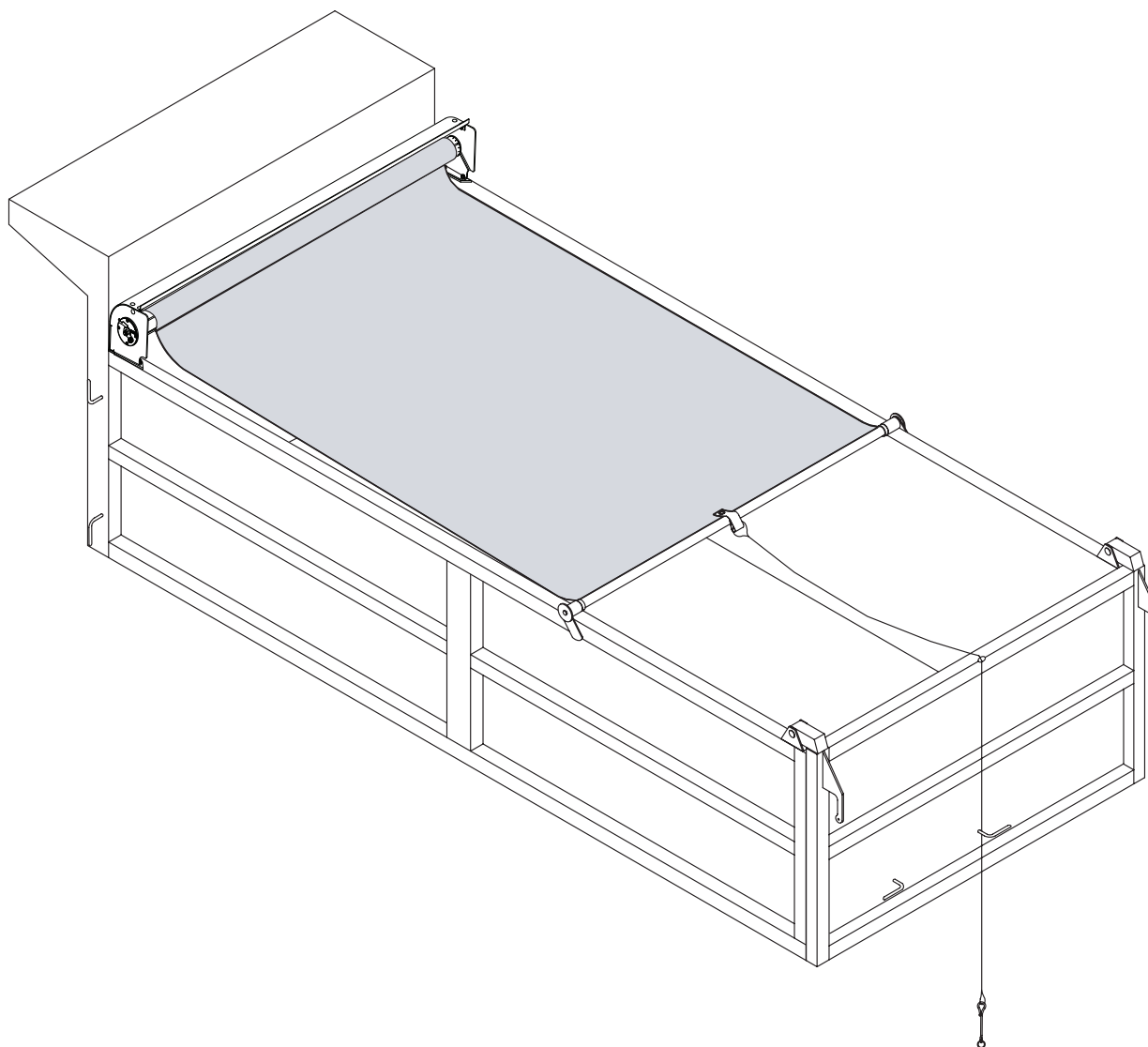


1404 N. Marshall Ave. El Cajon CA. 92020

Aluminator™ 8500M Installation Instructions



117-0215



607-0153

WLH 05/07/19

For technical support call us at (877) 861-6265 or visit our website at Pulltarps.com.



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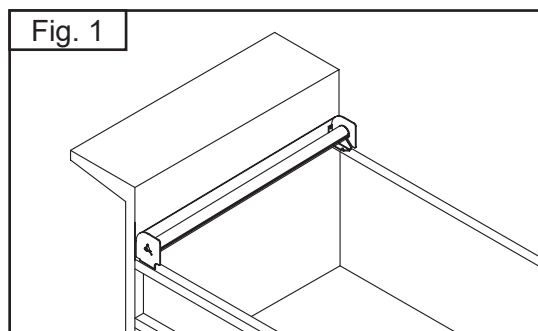
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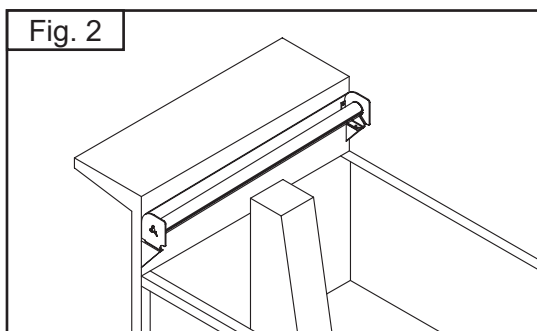


Mounting Locations

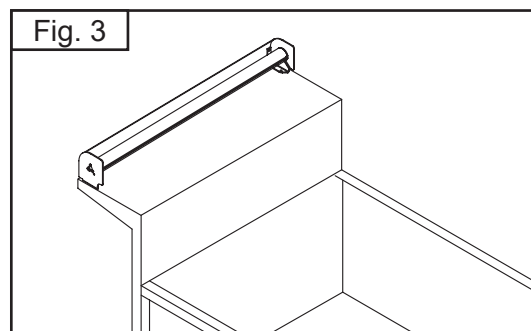
Step 1: Determine the mounting position for your truck (Fig. 1 - 7).



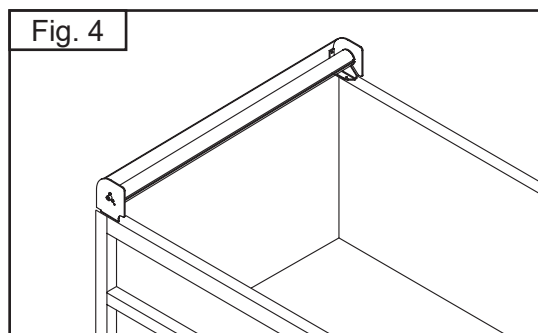
"A" Mount Bottom Roll



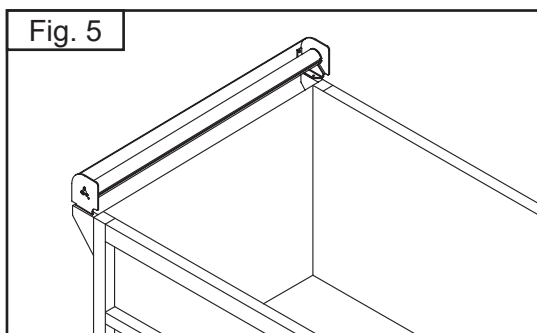
"B" Mount Bottom Roll



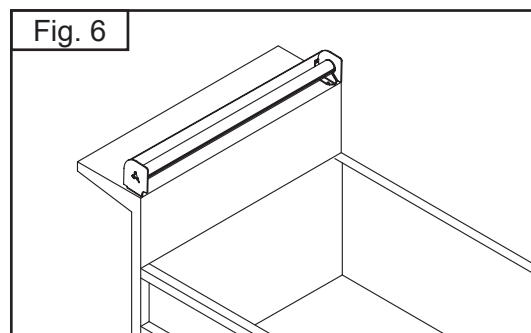
"C" Mount Bottom Roll



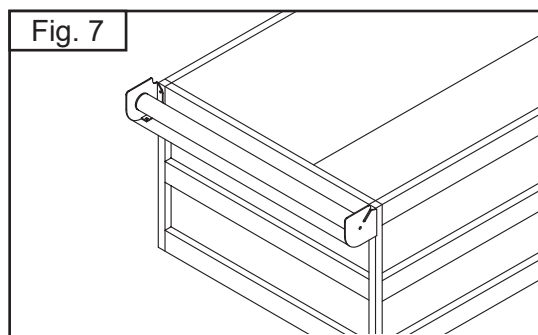
"D" Mount Bottom Roll



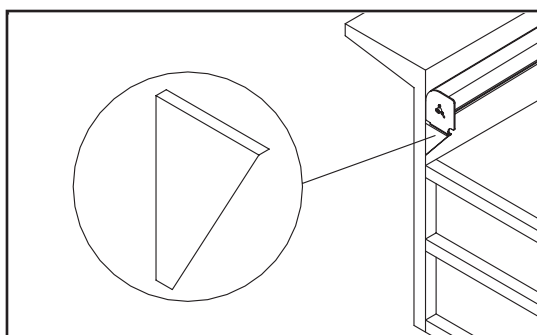
"E" Mount Bottom Roll



"F" Mount Bottom Roll



"G" Mount Top Roll (Special Order) - Specific off the top system.



"B" Brackets

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

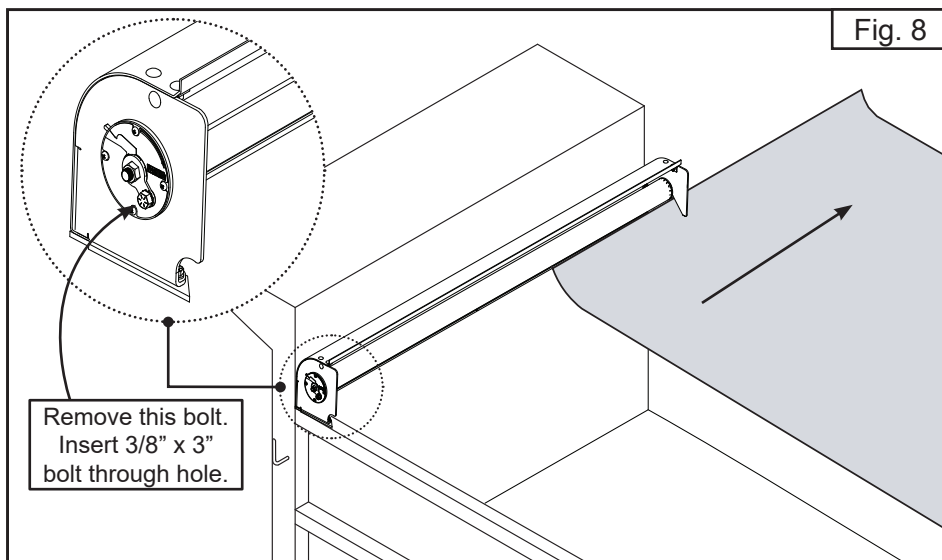


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Remove Tarp Before Welding

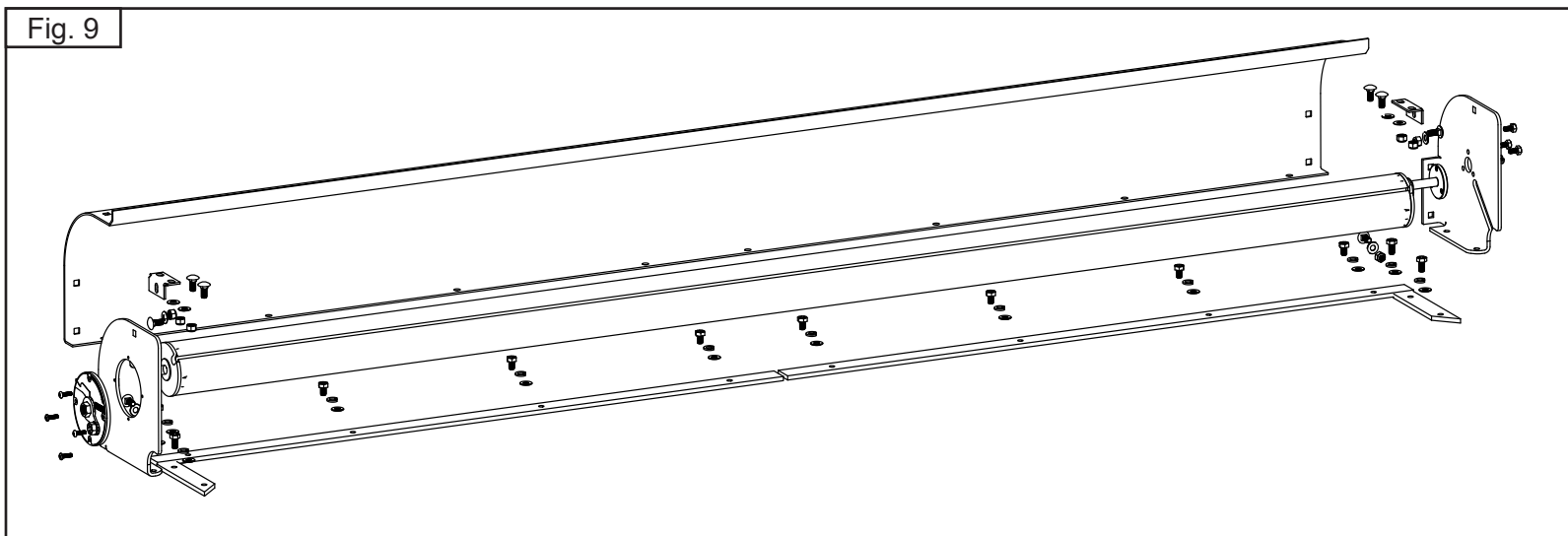


Step 2: *Before welding, remove tarp to avoid damage (Fig. 8)*

Remove the 7/16" x 3/4" bolt from the ratchet cover plate.

WARNING: Do not remove the four Phillips head screws from the ratchet cover plate. Insert 3/8" x 3" bolt through hole in ratchet cover plate and into groove in roller tube. Slide tarp out of housing and away from work area.

System Assembly (Fig. 9).



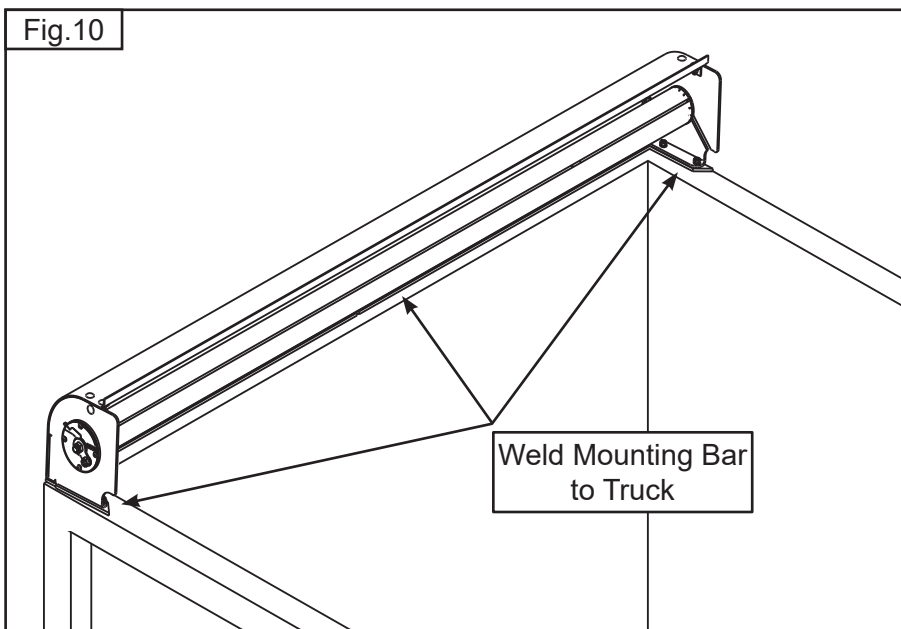


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Welding System To Truck

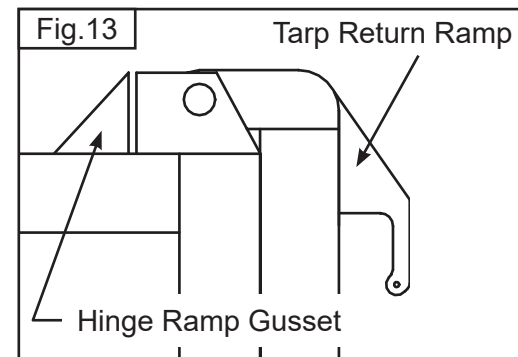
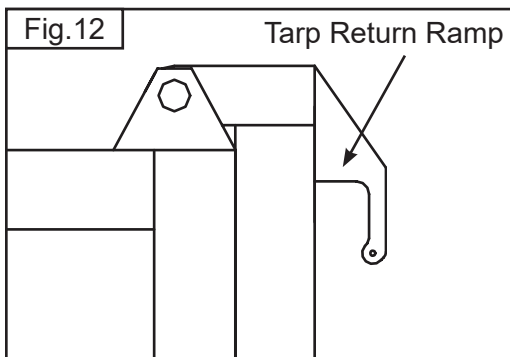
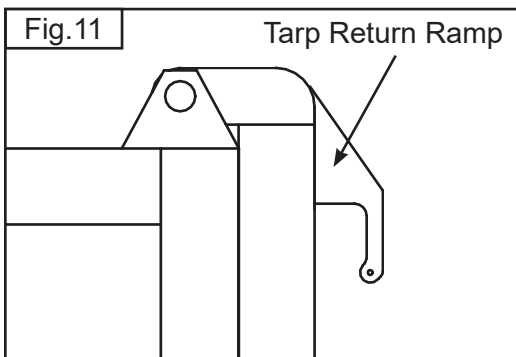


Step 3: Weld System To Truck

Stitch weld system mounting bar to truck every 6" as shown in Fig. 10.

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. See Fig. 11 & 12 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) (Fig. 13).





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Aluminator™ 8500M Installation Instructions



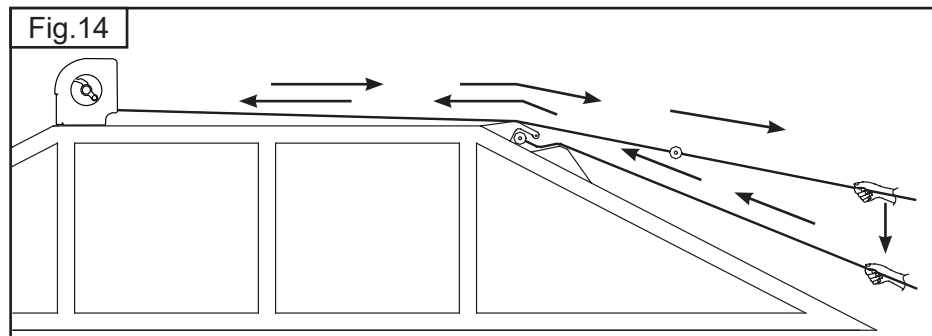
Tarp Return Ramps for Belly Dumps

Step 5:

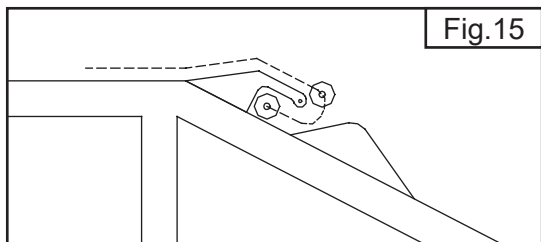
All belly dumps require special tarp return ramps. If you are not sure which type to use, call us at Pulltarps (800) 368-3075 for technical support.

Jump Ramp

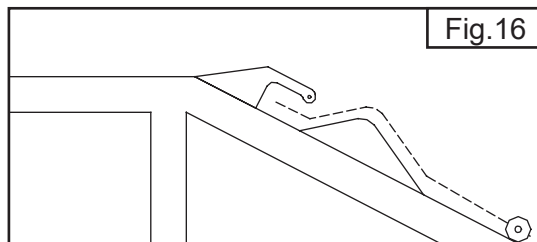
On longer single units, you are too far from the return ramp to unlatch the Pullrod by hand so we developed the easy to operate Jump Ramp (Fig. 14). Pull the tarp out all the way. Lower your arm. Release some rope slowly and allow the Pullrod to slide forward and drop down into the Tarp Return Ramp.



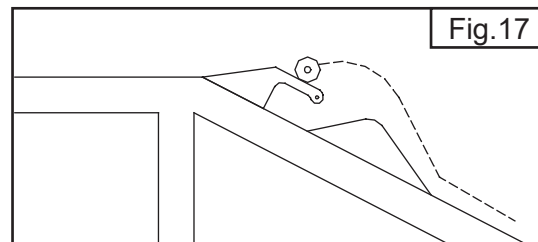
A1. Pull out and hook (Fig. 15).



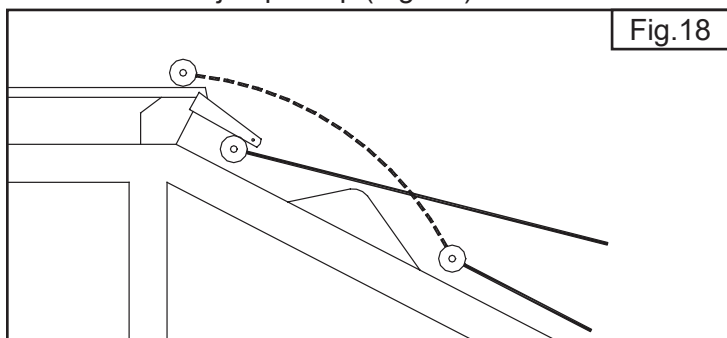
A2. To retract, pull the pullrod up over the jump-ramp gusset and down a few inches (Fig. 16).



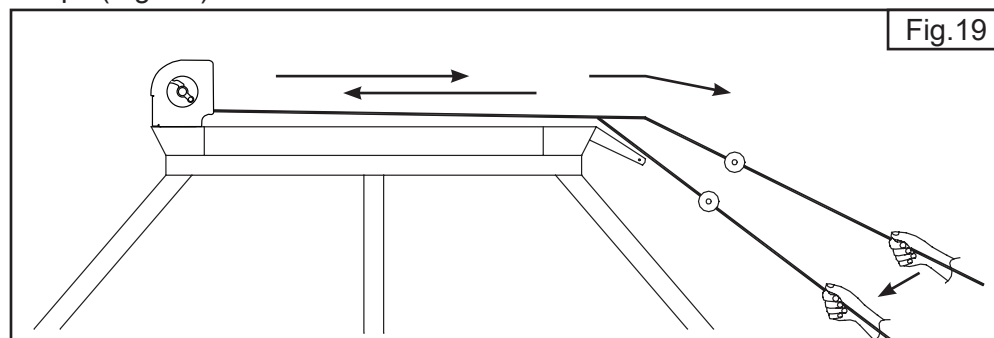
A3. Release a few feet of rope quickly and the spring in the roller will cause the Pullrod and tarp to jump over the return ramp and retract back to the system (Fig. 17).



B. 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. 18).



C. 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. 19).





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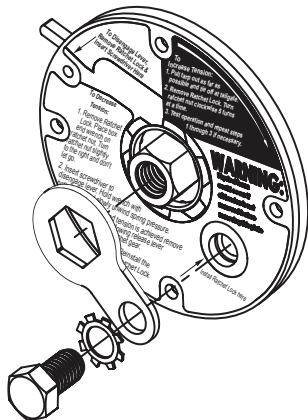


Reinstalling Tarp, Rope Hook Installation & Adjusting Spring Tension

Step 6: Reinstall Tarp

Before you reinstall your tarp on the roller, make sure the roller has not lost its spring tension (Fig. 20 & 21). If the roller is still locked with the locking bolt, the tension should have been maintained. 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. 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. Secure tarp and pullrod to tailgate with the pullrope. Hold the roller with one hand and remove the locking bolt with the other. Release pullrope from tailgate and cycle the tarp 2 or 3 times. This will ensure the tarp rolling up straight. 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. If you have side flaps or tie downs proceed to page 6 or 7.

Fig. 20



IF ROLLER HAS LOST SPRING TENSION

The roller comes pre-loaded from the factory. Should the roller lose tension for any reason during installation, you must pre-load the spring mechanism again before installing the tarp.

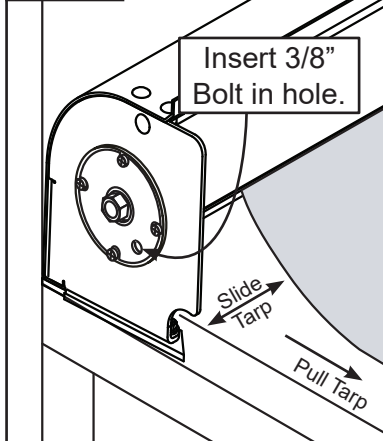
To Increase Tension

1. Pull Tarp out as far as possible and tie off at tailgate.
2. Remove Ratchet Lock. Turn ratchet nut clockwise 5 turns at a time.
3. Test operation and repeat steps 1 through 3 if necessary.
4. Reinstall the Ratchet Lock

To Decrease Tension

1. Remove Ratchet Lock. Place box and wrench on ratchet nut. Turn ratchet nut slightly to the right and don't let go
2. Insert screwdriver to disengage lever. Hold wrench with both hands slowly unwind spring pressure.
3. When desired tension is achieved remove screw driver allowing release lever to reengage ratchet gear.

Fig. 21



Step 7: Rope Storage Hook Installation

Mount the rope as low as possible. The rope should come straight down and wrap around the center hook and then coil off to the side (Fig. 22). When tarp is not in use, space the hooks far enough apart to store the full length of rope (Fig. 23).

Note: Tarp must be retracted when dumping.

Fig. 22

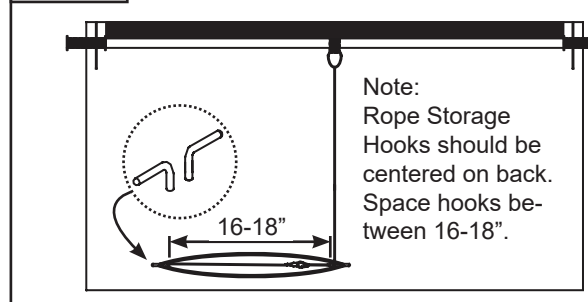
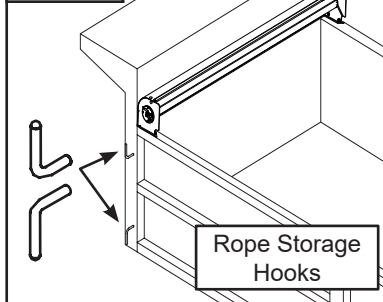


Fig. 23






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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!

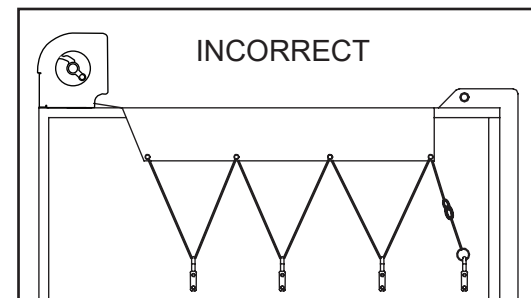
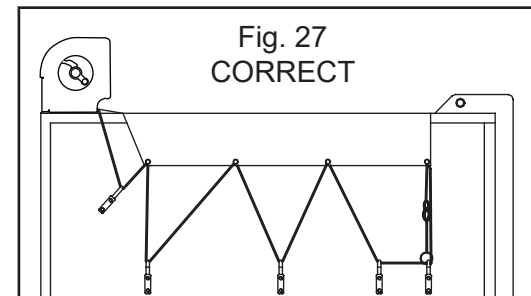
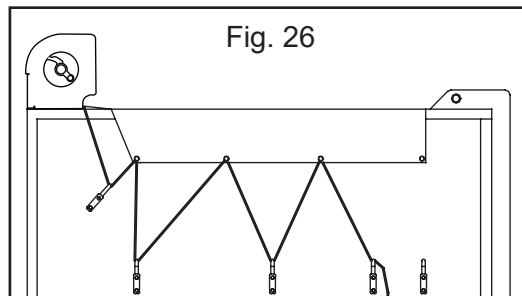
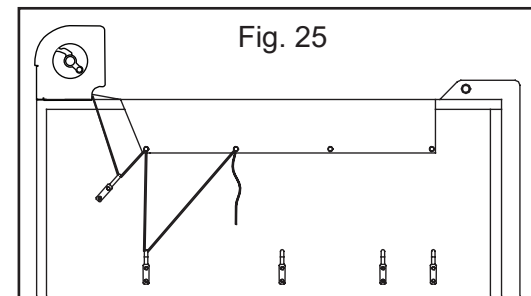
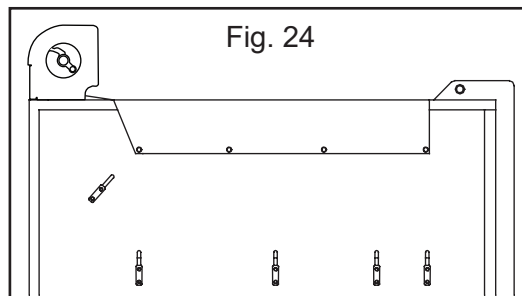
Step 8: Flip the braided rope over the corner so that the flaps and tie down ropes hang over each side of the box. The number of tie down hooks vary depending on the length of your tarp. One pull down hook is included with your Pulltarp system. If needed. Use the hook to pull the braided rope and flaps 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 9**).
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.

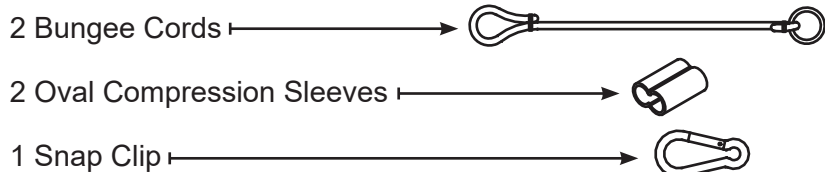
1. Position the first hook 6" (15.24cm) down and 12" (30.48cm) forward (toward the cab) from the first grommet (Fig. 24).
2. Position 2nd hook straight down from 1st grommet. This hook should be reached from ground (Fig. 25).
3. Place middle hooks equal distances from grommet (Fig. 26). These hooks should 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. 27).
5. Weld hooks in place.





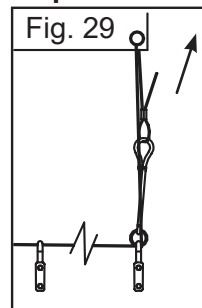
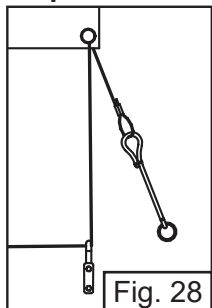
Bungee Cord Installation

Parts:



Step 9: 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.

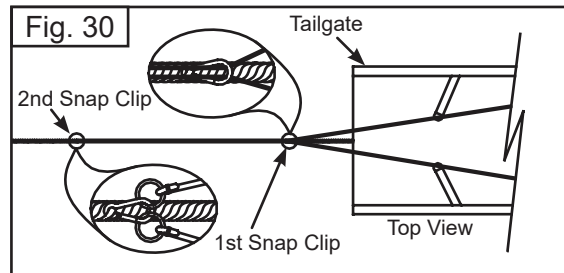
Tarps with Side Flaps



To tighten, pull loose end of rope through the Oval Compression Sleeve (Fig. 28). Stretch the bungee cord making sure all slack is taken out of the rope, crimp compression sleeve (Fig. 29). Be sure to keep flaps even on sides so Tie Down Ropes remain equal in length.

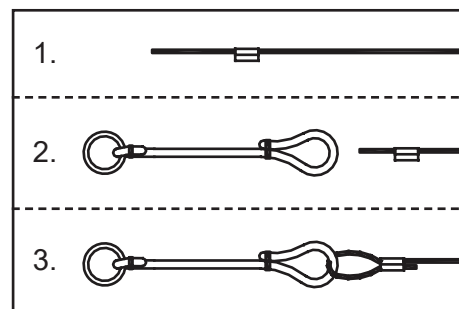
Note: Check for proper placement of rope through the last two hooks.

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. 30).

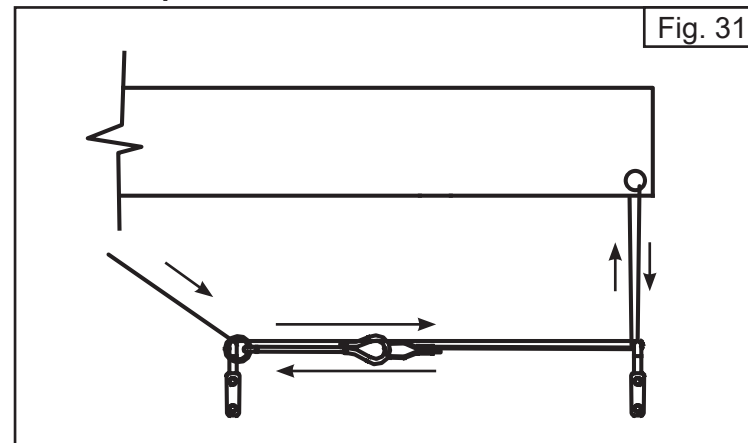
Note: First snap clip should not be used on long wheel base belly dumps.



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 attaching the end of the bungee cord to an alternate hook (Fig. 31).



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Wind Tray Kit

Step 1: Lay the tray on the ground with flanges facing upward (Fig. 32). Take one bracket, place it on the tray with the large flange on the bracket, facing out. Secure to tray with supplied hardware (Fig. 33A). Do the same on the other side (Fig. 33B).

NOTE: Lay a tarp or sheet on the ground underneath the tray to protect it from scratches.

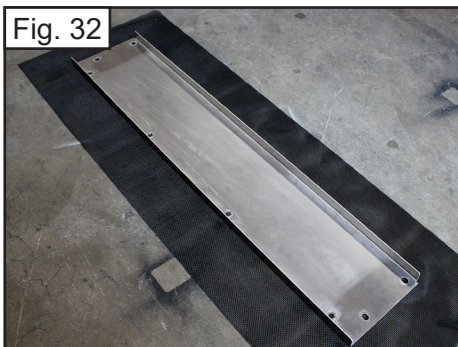


Fig. 32

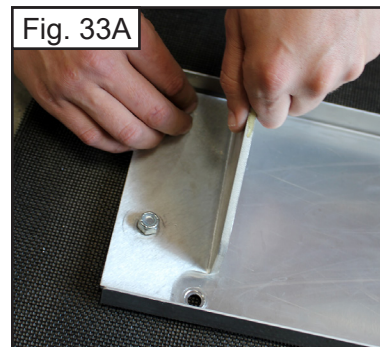


Fig. 33A



Fig. 33B



Fig. 34

Step 2: With both brackets hand tightened on the tray, flip the tray over and find the center of the tray (Fig. 34).

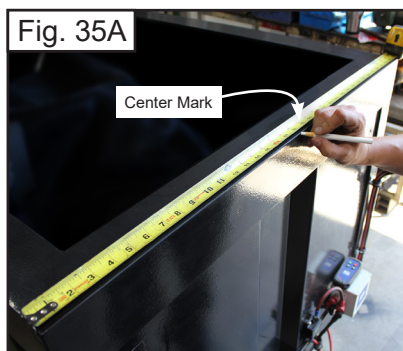


Fig. 35A

Center Mark

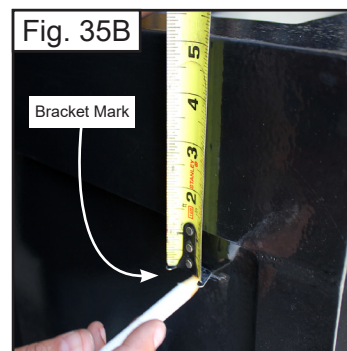


Fig. 35B

Bracket Mark

Step 3: Measure the width of the box and mark the center to help determine the placement of the Tray (Fig. 35A). Also, mark 5 inches down from the top of the box and about 3-5 inches from each side of the box (Fig. 35B).

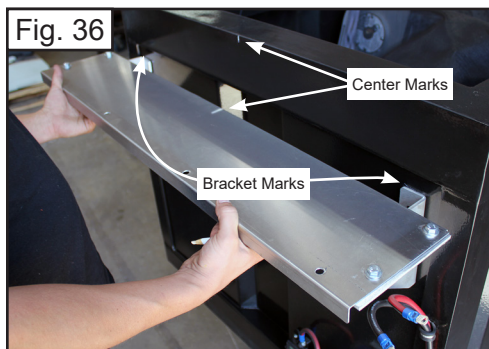


Fig. 36

Center Marks

Bracket Marks

Step 4: To set the marks for drilling the bracket holes, place the tray and brackets up against the box and center, using the center marks. The top of the bracket should be 5 inches from the top of the box (Fig. 36).

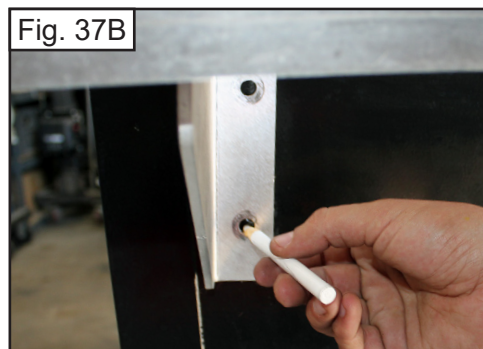


Fig. 37B

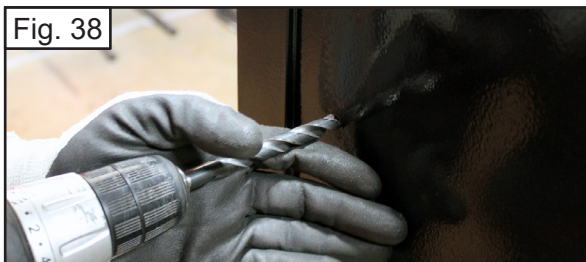
Step 5: Mark the bracket holes on both sides (Fig. 37A). Place the tray back on the tarp and remove brackets from tray (Fig. 37B).

NOTE: If available, use a center punch and hammer to make an indentation where you marked the holes.



Wind Tray Kit

Fig. 38



Step 6: Take your power drill with a 5/16" bit and drill holes into the positions marked (Fig. 38).

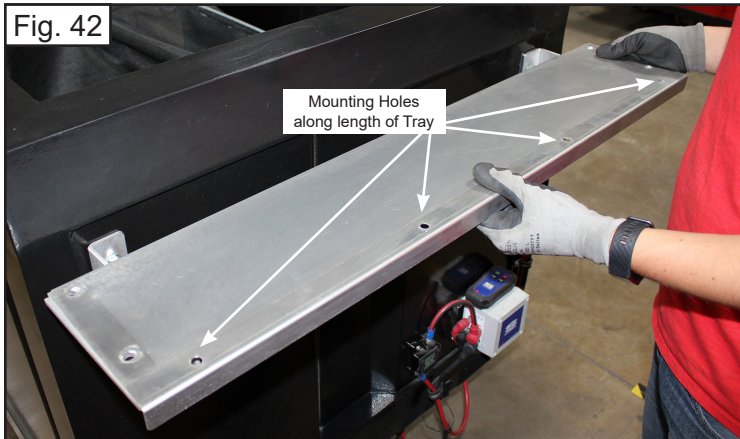
Fig. 39



Step 7: Once the holes are drilled, take the full thread stud and secure in the holes, to prepare the hole for mounting the brackets and remove after insertion (Fig. 39).

Step 9: Place the Tray on top of the brackets and make sure the flange fits in the bracket groove. Make sure that the four (4) mounting holes on the front of tray face out (Fig. 42).

Fig. 42



Step 8: Take each bracket and mount to the holes, with the included hardware (Fig. 40). Verify that the brackets are 5" from the top of the box on both sides (Fig. 41A & B).

Fig. 40



Fig. 41A

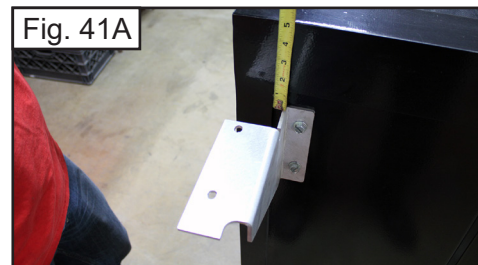
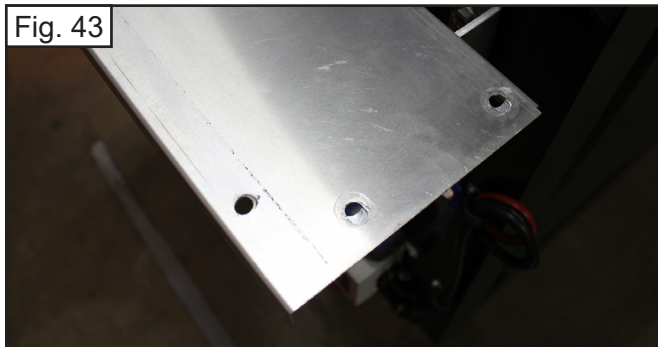


Fig. 41B



Fig. 43



Step 10: Align the holes in the Tray with the holes in the brackets. Adjust as needed (Fig. 43).



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Aluminator™ 8500M Installation Instructions



Wind Tray Kit



Step 11: With the help of a team member, place the completed housing on top of the tray, with the roller tube side facing the box (Fig. 44A & B).

NOTE: Automatic System shown.

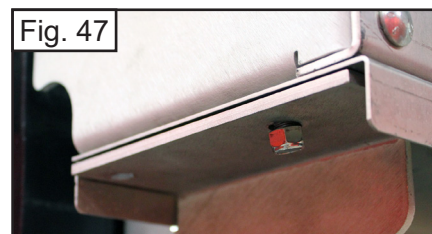


Step 12: Position until even with the Tray and align the holes to the mounting tray and brackets (Fig. 45).

NOTE: Use a Bullpin or Phillips screwdriver to help align the holes, before inserting the bolts.



Step 13: Insert Bolts (8) from the inside of the housing with the ends facing down, through the tray and brackets (Fig. 46).



Step 14: Place the Nylock Nuts on the Bolts and hand tighten (Fig. 47).

NOTE: Verify that the system is level with the box.



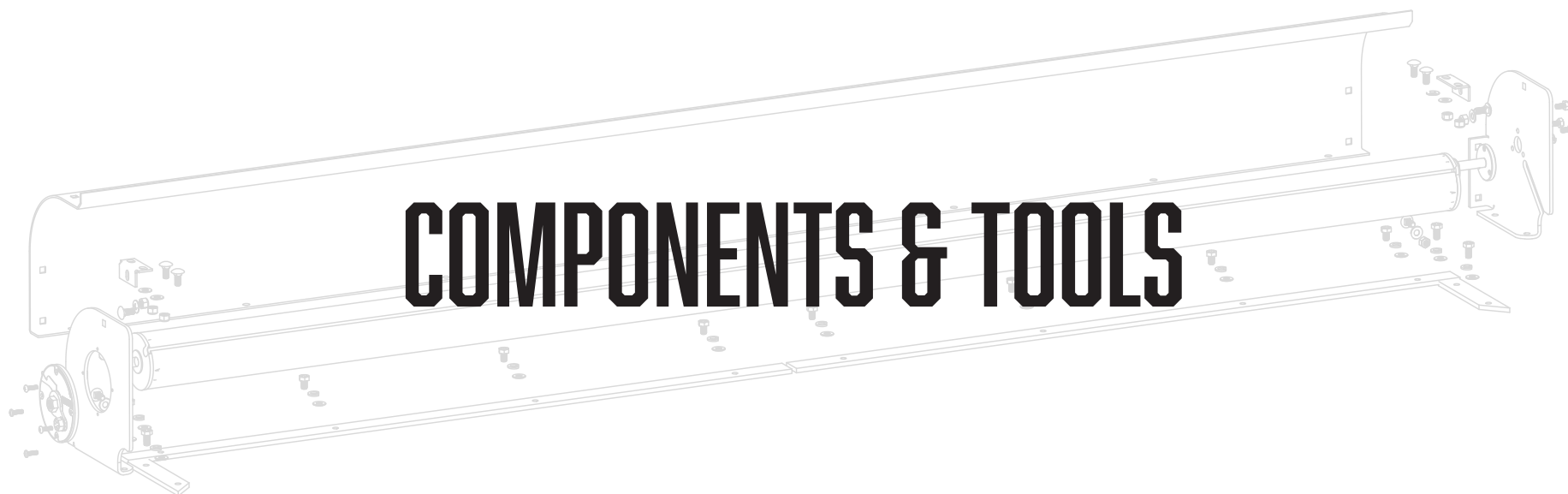
Step 15: Secure the bolts with the provided hardware (Fig. 48).

NOTE: Verify that the system is level with the box.



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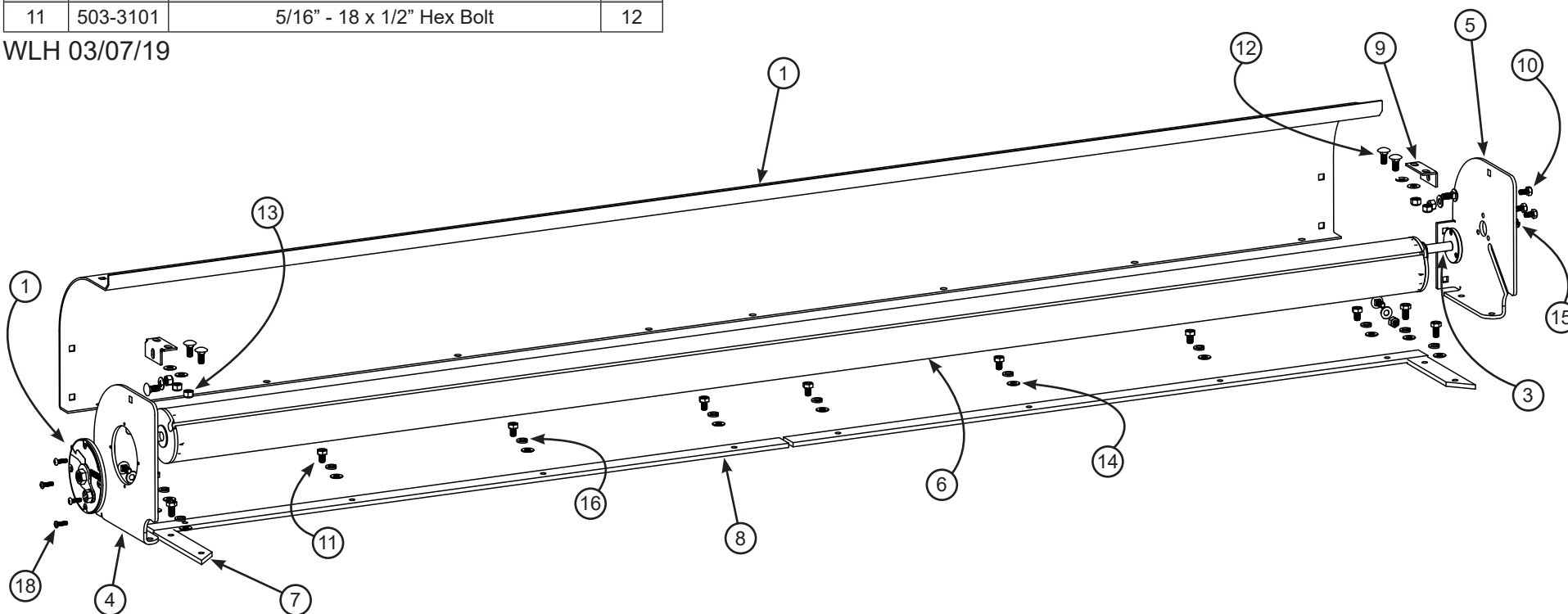


Aluminator™ 8500M - #117-8010

ITEM	PART #	DESCRIPTION	QTY
1	501-0181	100" Aluminum 8.5 Housing	1
2	501-0647	System End Plate Ratchet	1
3	501-0805	Universal Bolt in Stud	1
4	501-1056	8.5" Ratchet Aluminum End	1
5	501-1057	8.5" Aluminum End Plate Right	1
6	501-1307	100" Spring Roller	1
7	501-1506	6" Steel Mounting Bar	2
8	501-1513	50" Mounting Bar - Steel	2
9	501-9934	Galvanized Steel Bracket	2
10	503-2503	1/4"-20 x 1/2" HHD Bolt	3
11	503-3101	5/16" - 18 x 1/2" Hex Bolt	12

ITEM	PART #	DESCRIPTION	QTY
12	503-3104	5/16" - 18 x 3/4" Carriage Bolt	10
13	504-3103	5/16" - 18 Nylock Nut Steel	10
14	505-2502	1/4" USS Washer 5/16"	18
15	505-2503	1/4" Lock Washer - Plated	3
16	505-3102	5/16" Lock Washer	12
17	505-5002	Washer Nylon .5ID x 1.25OD	2
18	506-9937	10-32 x 5/8" Philips Pan	4

WLH 03/07/19



For technical support call us at (877) 861-6265 or visit our website at Pulltarps.com.



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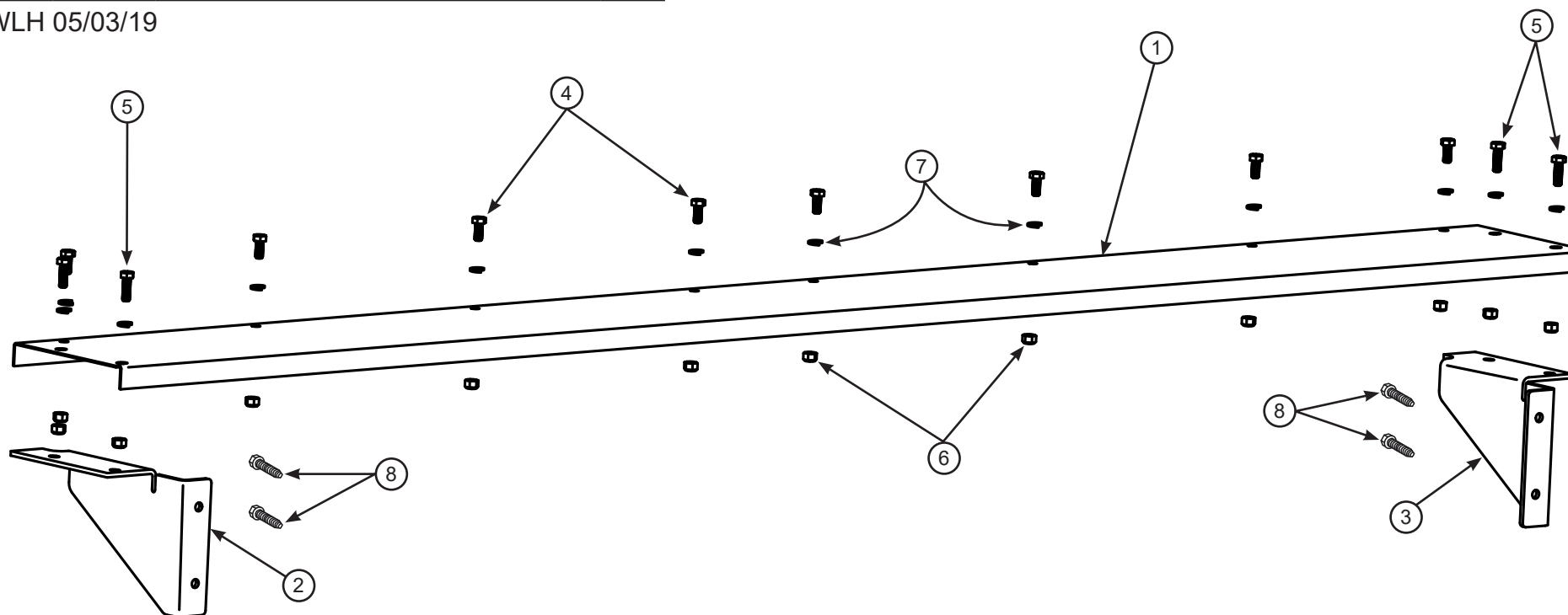


80" Wind Tray Kit / Aluminator 8500 Housing - #501-1030 (Shown)

Width Options: #501-1031 (84"), #501-1032 (87"), #501-1033 (89"), #501-1034 (93"), 501-1035 (96") & 501-1036 (100")

ITEM	PART #	DESCRIPTION	QTY
1	501-1037	8.5 Aluminum Tray 80"	1
2	501-1044	Left Aluminum Tray Support	1
3	501-1045	Right Aluminum Tray Support	1
4	503-3103	5/16"-18 x 3/4" HHCS Bolt	8
5	503-3105	5/16"-18 x 1" HHCS Bolt G2	4
6	504-3103	5/16"-18 Nylock Nut	12
7	505-3102	5/16" Lock Washer	12
8	506-3703	3/8" - 16 x 1-1/4" Full Thread Stud	4

WLH 05/03/19





1404 N. Marshall Ave. El Cajon CA. 92020

Aluminator™ 8500M Installation Instructions



Tools used for Ratchet Operation, Replacement & Mounting Wind Tray Kit

ITEM	DESCRIPTION	QTY
1	Ratchet Tool or	1
--	3/4" Box End Wrench	1
2	Phillips Head Screwdriver or	1
--	Bullpin	1
3	1/2" Socket	1
4	Step Drill Bit (Optional)	1
5	5/16" Drill Bit	1
6	Power Drill	1

WLH 05/07/19

