

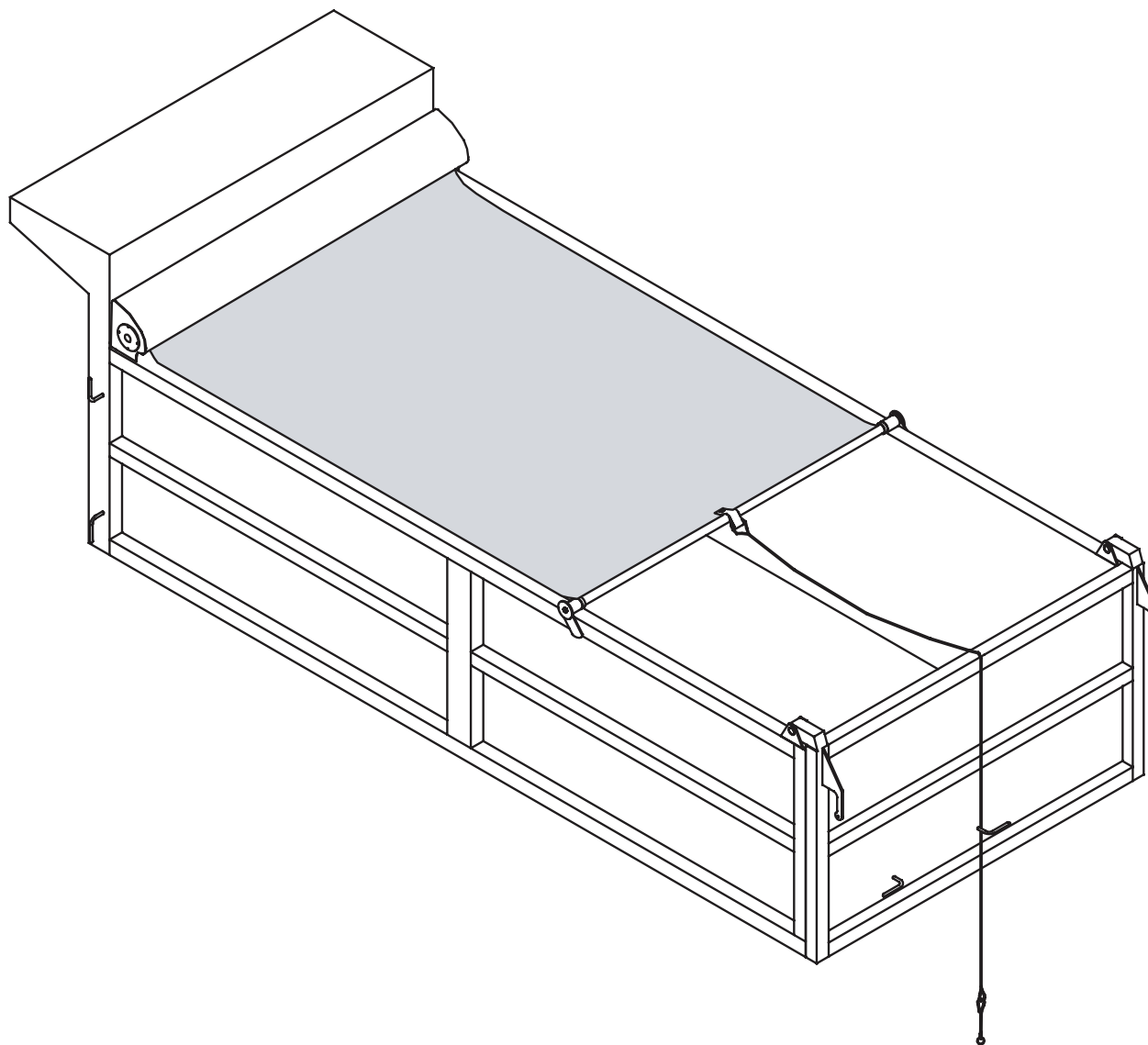


1404 N. Marshall Ave. El Cajon CA. 92020

## SuperShield™ 9500M & 8500M-Series Systems Installation Instructions

WLH 04/12/18

108-0235 & 107-0235



607-0002

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## SuperShield™ 9500M & 8500M-Series Systems Installation Instructions

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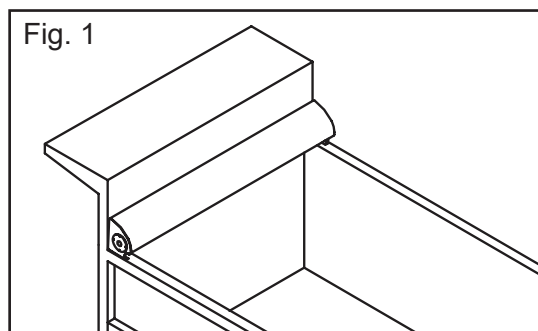


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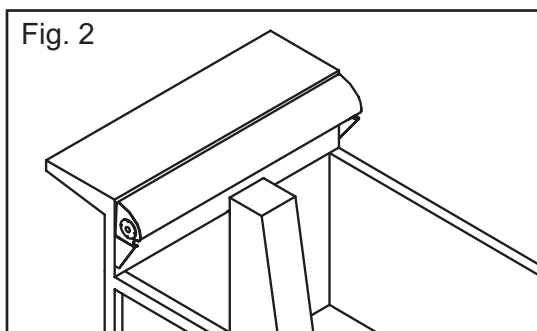
## SuperShield™ 9500M & 8500M-Series Systems Installation Instructions

### Mounting Locations

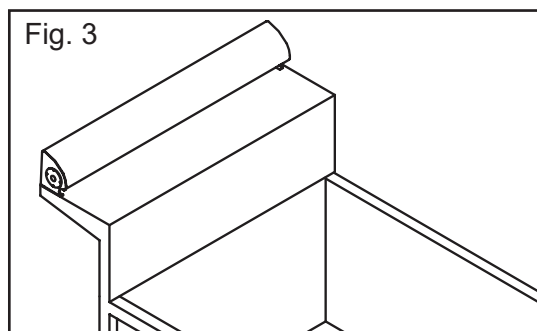
**Step 1:** Determine the mounting position for your truck (Fig. 1 - 7).



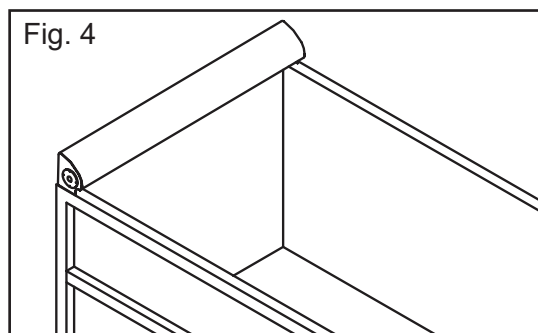
"A" Mount Bottom Roll



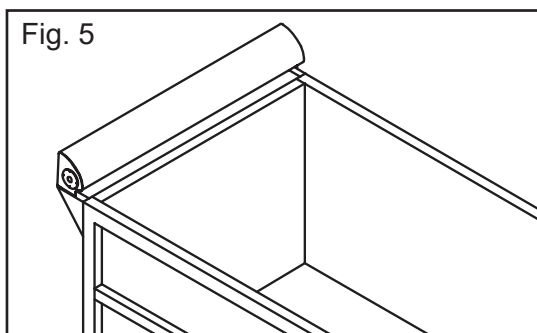
"B" Mount Bottom Roll



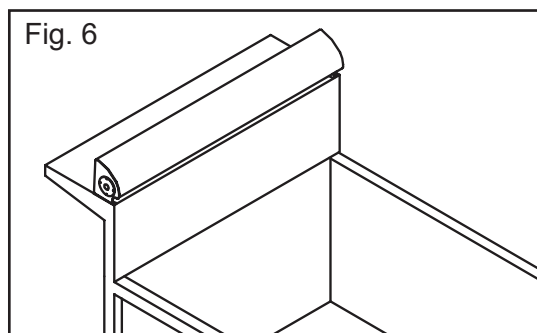
"C" Mount Bottom Roll



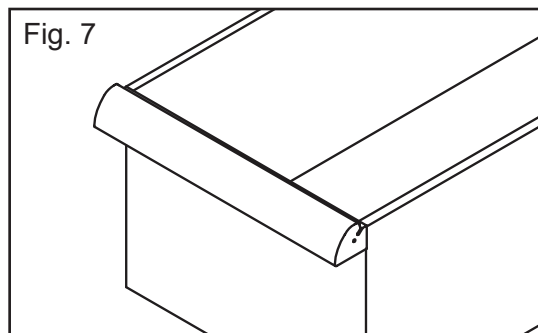
"D" Mount Bottom Roll



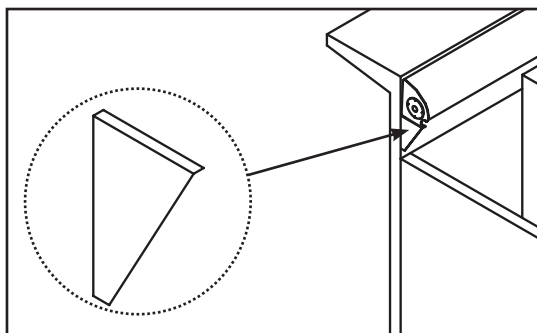
"E" Mount Bottom Roll



"F" Mount Bottom Roll



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



"B" Brackets

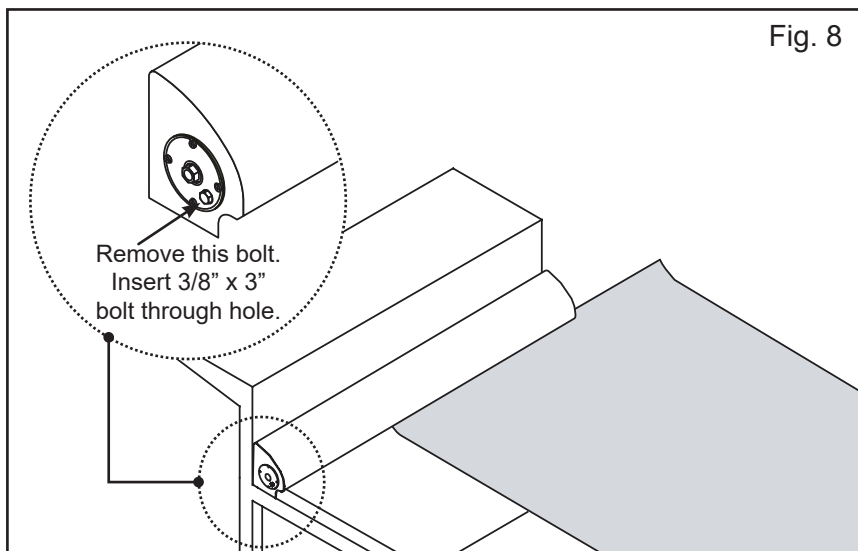
NOTE: Use optional "B" Brackets when mounting in position "B" and "E".



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### Remove Tarp Before Welding

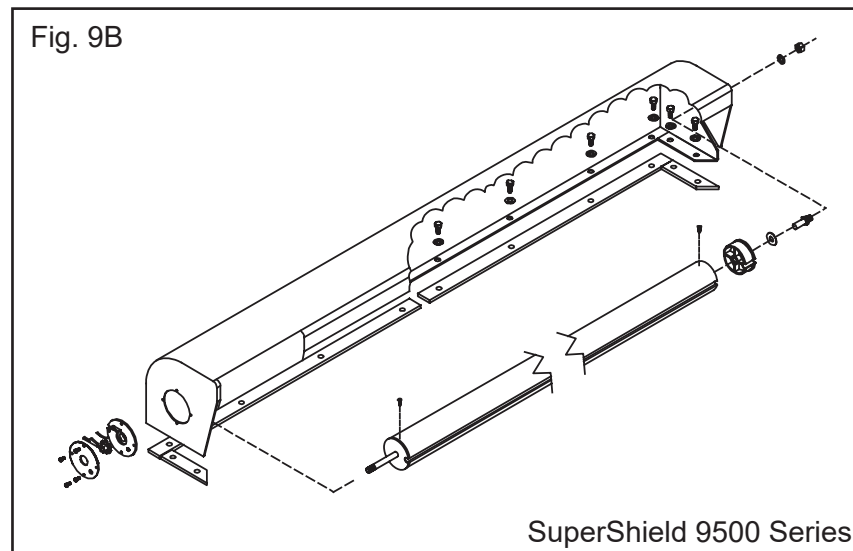
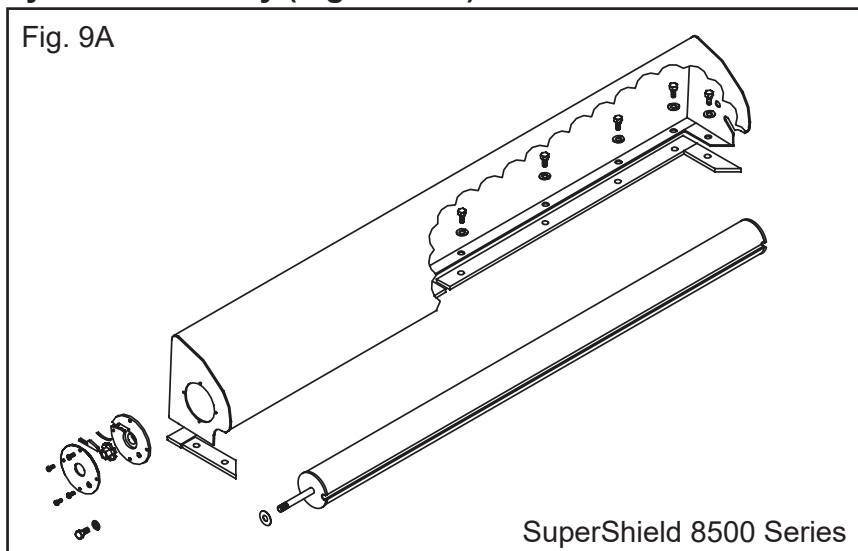


**Step 2: \*Before welding remove tarp to avoid damage (Fig. 8)\***

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. 9A & B).



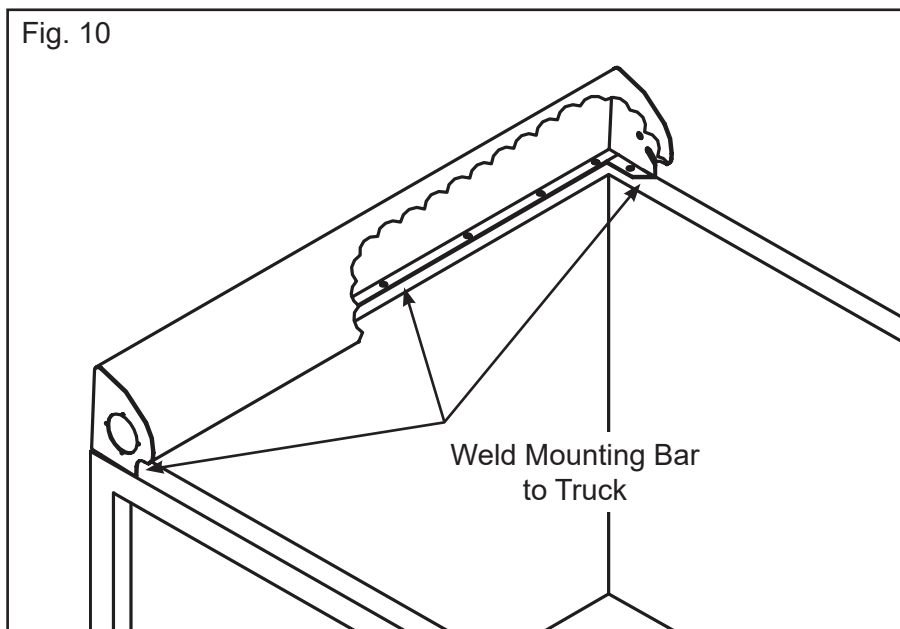


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## SuperShield™ 9500M & 8500M-Series Systems Installation Instructions

### Welding System To Truck

Fig. 10



### 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) see Fig. 13.

Fig. 11

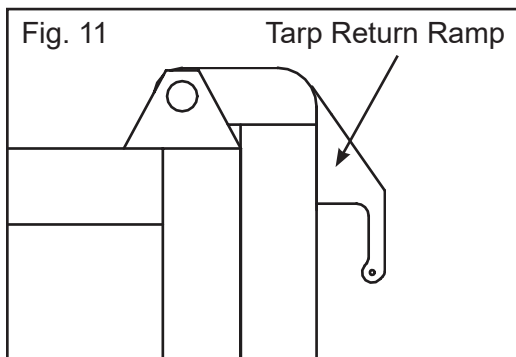


Fig. 12

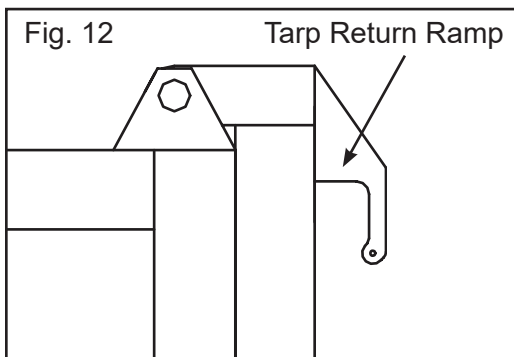
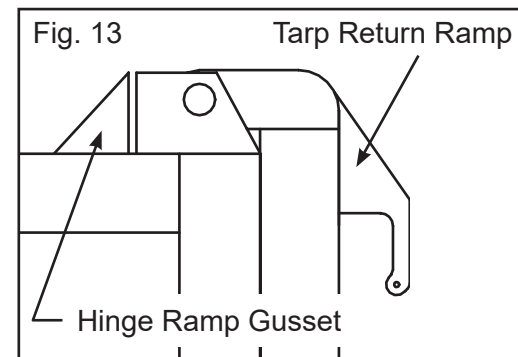


Fig. 13





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## SuperShield™ 9500M & 8500M-Series Systems Installation Instructions

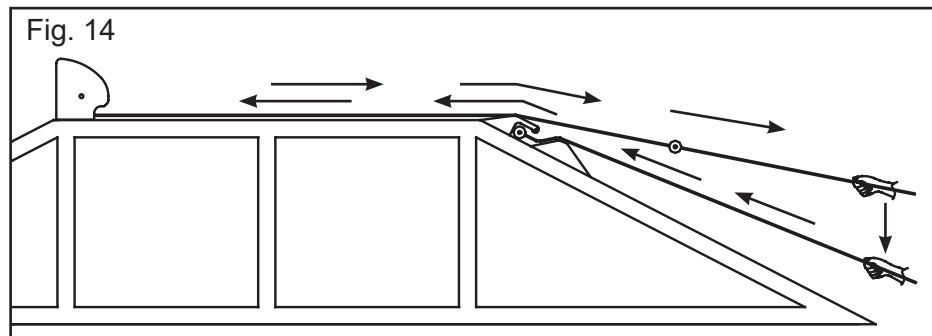
### Tarp Return Ramps for Belly Dumps

#### Step 5:

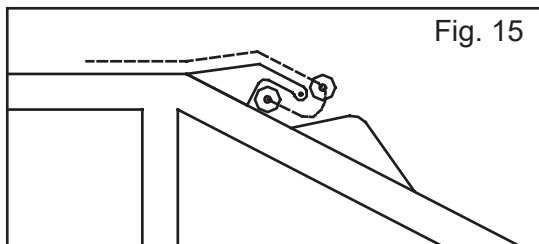
All belly dumps require special tarp return ramps. If you are not sure which type to use, call us at Pulltarps (800) 368-3075 for technical support.

#### Jump Ramp

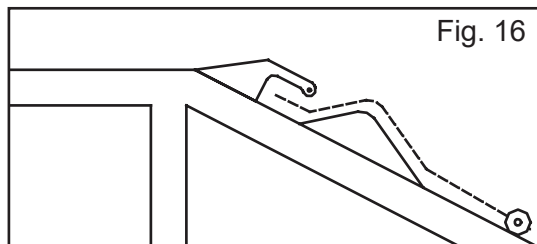
On longer single units, you are too far from the return ramp to unlatch the Pullrod by hand so we developed the easy to operate Jump Ramp (Fig. 14). Pull the tarp out all the way. Lower your arm. Release some rope slowly and allow the Pullrod to slide forward and drop down into the Tarp Return Ramp.



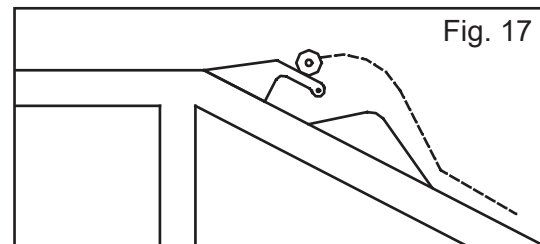
**A1.** Pull out and hook (Fig. 15).



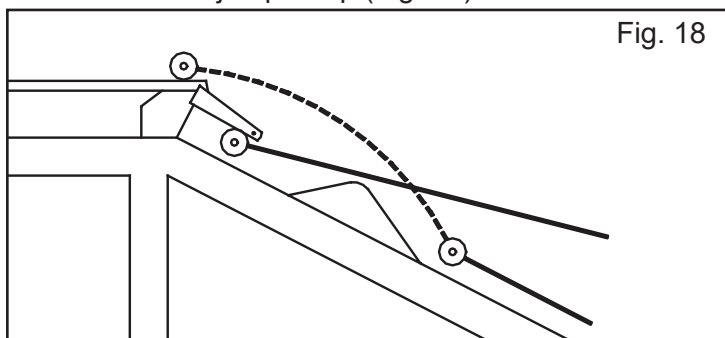
**A2.** To retract, pull the pullrod up over the jump-ramp gusset and down a few inches (Fig. 16).



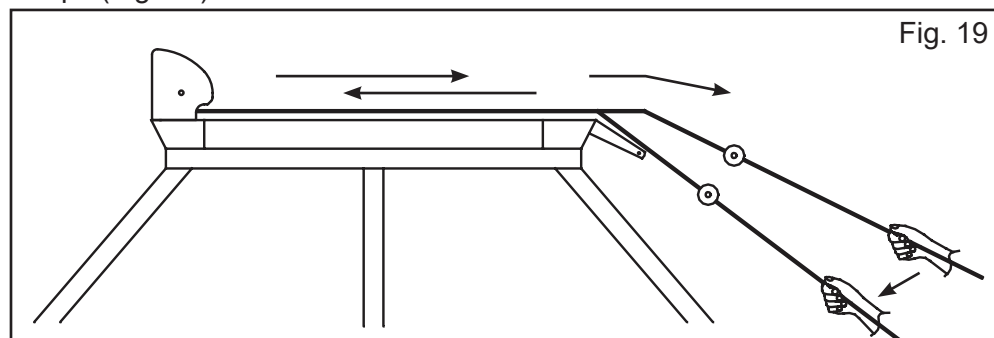
**A3.** Release a few feet of rope quickly and the spring in the roller will cause the Pullrod and tarp to jump over the return ramp and retract back to the system (Fig. 17).



**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).





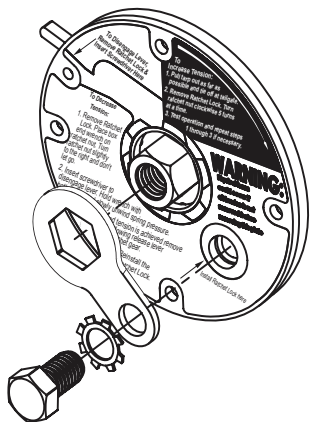
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## SuperShield™ 9500M & 8500M-Series Systems Installation Instructions

### 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. 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.



#### IF ROLLER HAS LOST SPRING TENSION

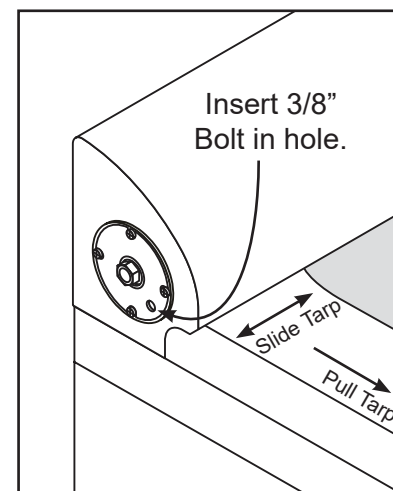
The roller comes pre-loaded from the factory. Should the roller lose tension for any reason during installation, you must pre-load the spring mechanism again before installing the tarp.

##### 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.



#### 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. 20). When tarp is not in use, space the hooks far enough apart to store the full length of rope (Fig. 21).

**Note: Tarp must be retracted when dumping.**

Fig. 20

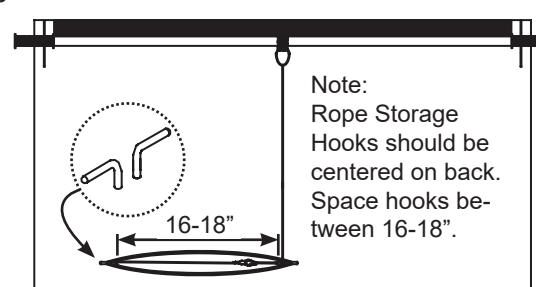
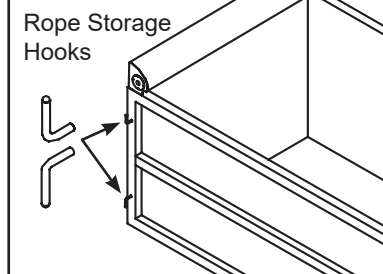


Fig. 21






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## SuperShield™ 9500M & 8500M-Series Systems Installation Instructions

### 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!**

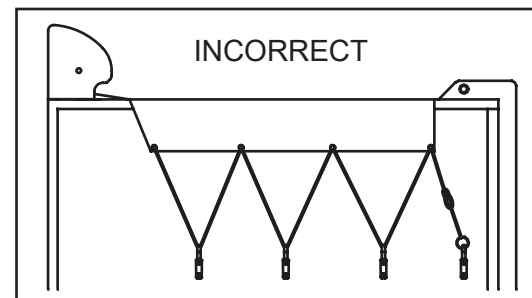
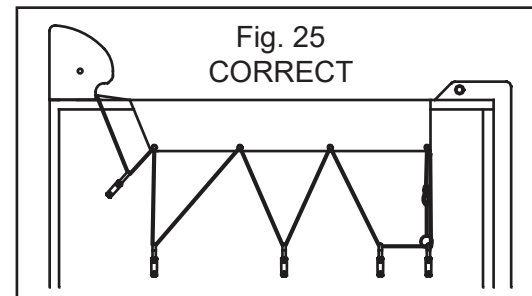
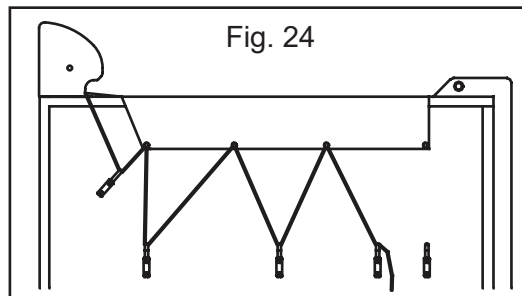
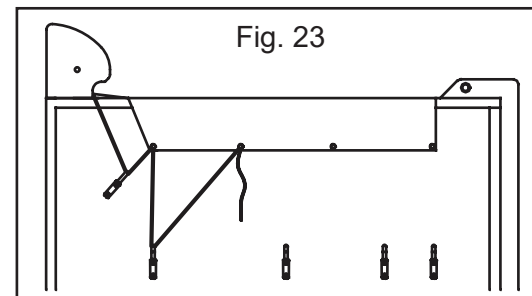
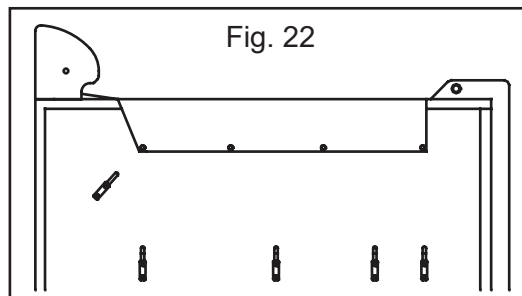
**Step 8:** Flip the braided rope over the corner so that the flaps and tie down ropes hang over each side of the box. The number of tie down hooks vary depending on the length of your tarp. One pull down hook is included with your Pulltarp system. If needed. Use the hook to pull the braided rope and 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. 22).
2. Position 2nd hook straight down from 1st grommet. This hook should be reached from ground (Fig. 23).
3. Place middle hooks equal distances from grommet (Fig. 24). 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. 25).
5. Weld hooks in place.





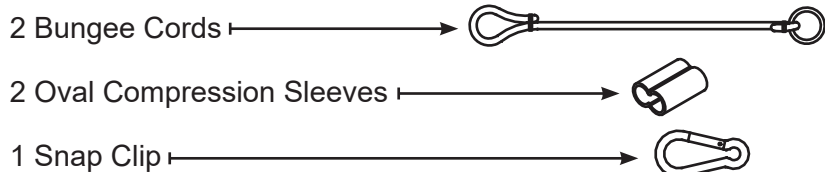


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## SuperShield™ 9500M & 8500M-Series Systems Installation Instructions

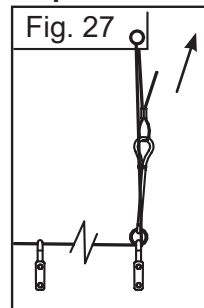
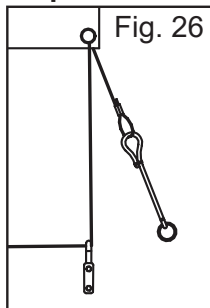
### Bungee Cord Installation

#### 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.

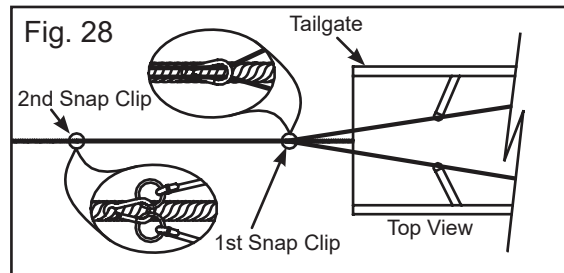
#### Tarps with Side Flaps



To tighten, pull loose end of rope through the Oval Compression Sleeve (Fig. 26). Stretch the bungee cord making sure all slack is taken out of the rope, crimp compression sleeve (Fig. 27). Be sure to keep flaps even on sides so Tie Down Ropes remain equal in length.

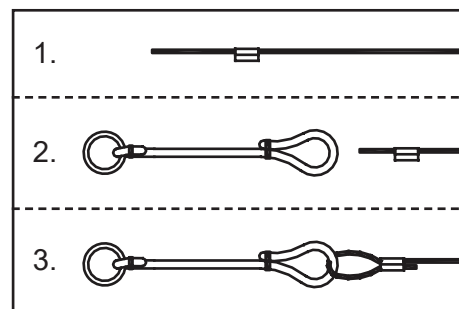
**Note:** Check for proper placement of rope through the last two hooks.

#### 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. 28).

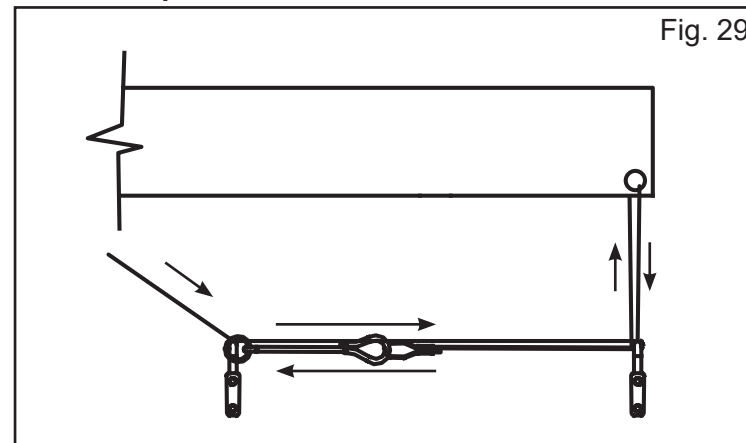
**Note:** First snap clip should not be used on long wheel base belly dumps.



#### 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. 29).



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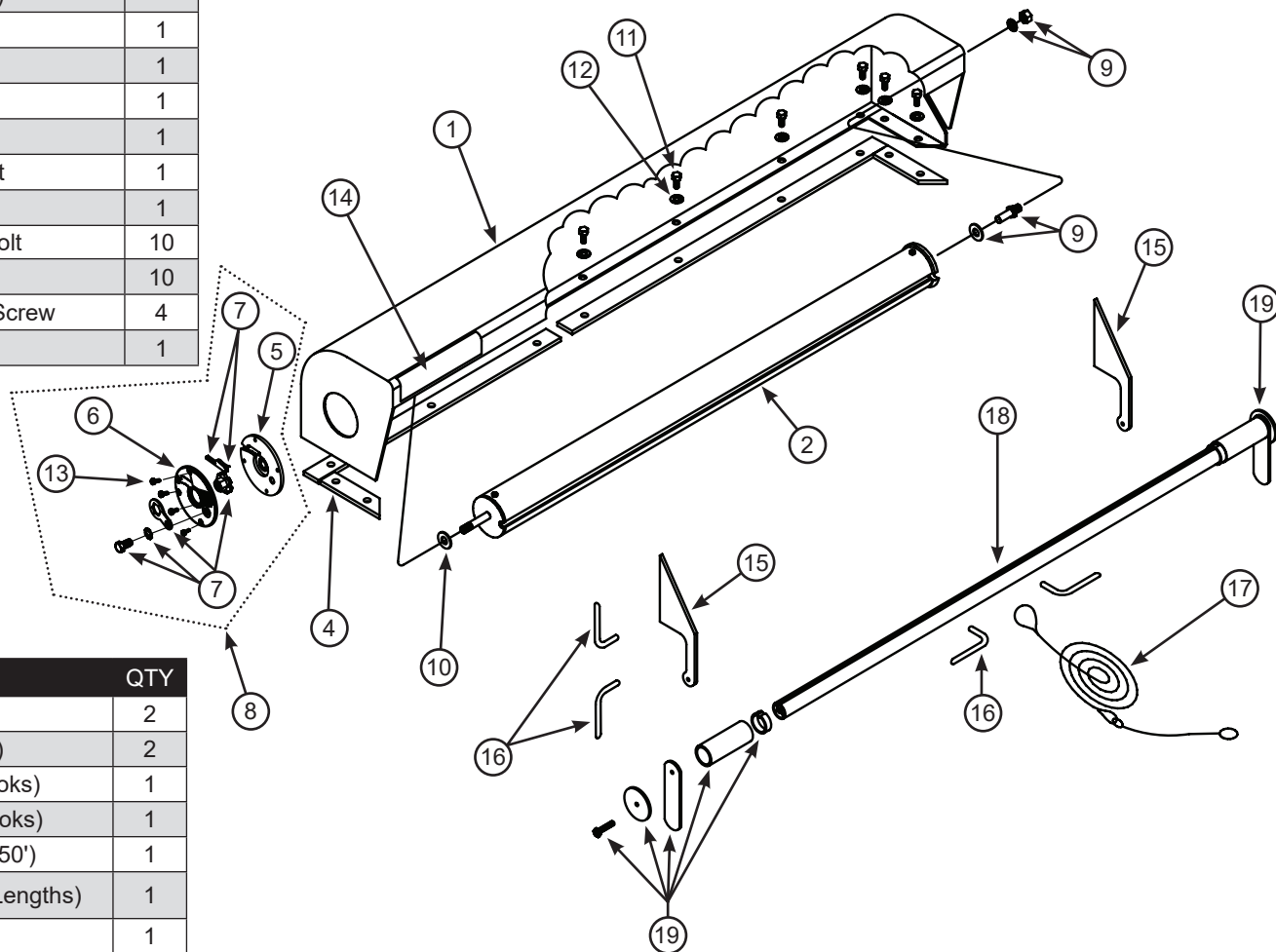
## SuperShield™ 9500M & 8500M-Series Systems Installation Instructions

### SuperShield 9500M-Series #108-0215

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

ITEM	PART #	DESCRIPTION	QTY
1	501-01XX	9.5" Super Shield Housing 80, 84, 87, 89, 93, 96, 100"	1
2	501-13XX	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" (Specify Steel or Aluminum)	2
4	501-150X	6" Large Mount (Specify Steel or Aluminum)	2
5	501-0809	Ratchet Housing	1
6	501-0806	Ratchet Cover	1
7	501-0825	Ratchet Kit	1
8	501-0630	Ratchet Assembly	1
9	501-0801	System End Plate Stud Kit	1
10	505-5002	Nylon Washer	1
11	503-3101	5/16" - 18 x 1/2"lg. HHCS Bolt	10
12	505-3102	5/16" Lock Washer	10
13	506-9905	#10 - 32 x 1/2"lg. Phillips Pan Screw	4
14	607-0061	Pulltarps Decal	1

REV. 10/12/16 WLH



#### Pullrod Hardware

ITEM	PART #	DESCRIPTION	QTY
15	501-0301	Tarp Return Ramps (Steel)	2
--	501-0302	Tarp Return Ramps (Alum.)	2
16	501-0621	Rope Storage Kits (4 Steel Hooks)	1
--	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



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## SuperShield™ 9500M & 8500M-Series Systems Installation Instructions

### SuperShield 8500M-Series #107-0215

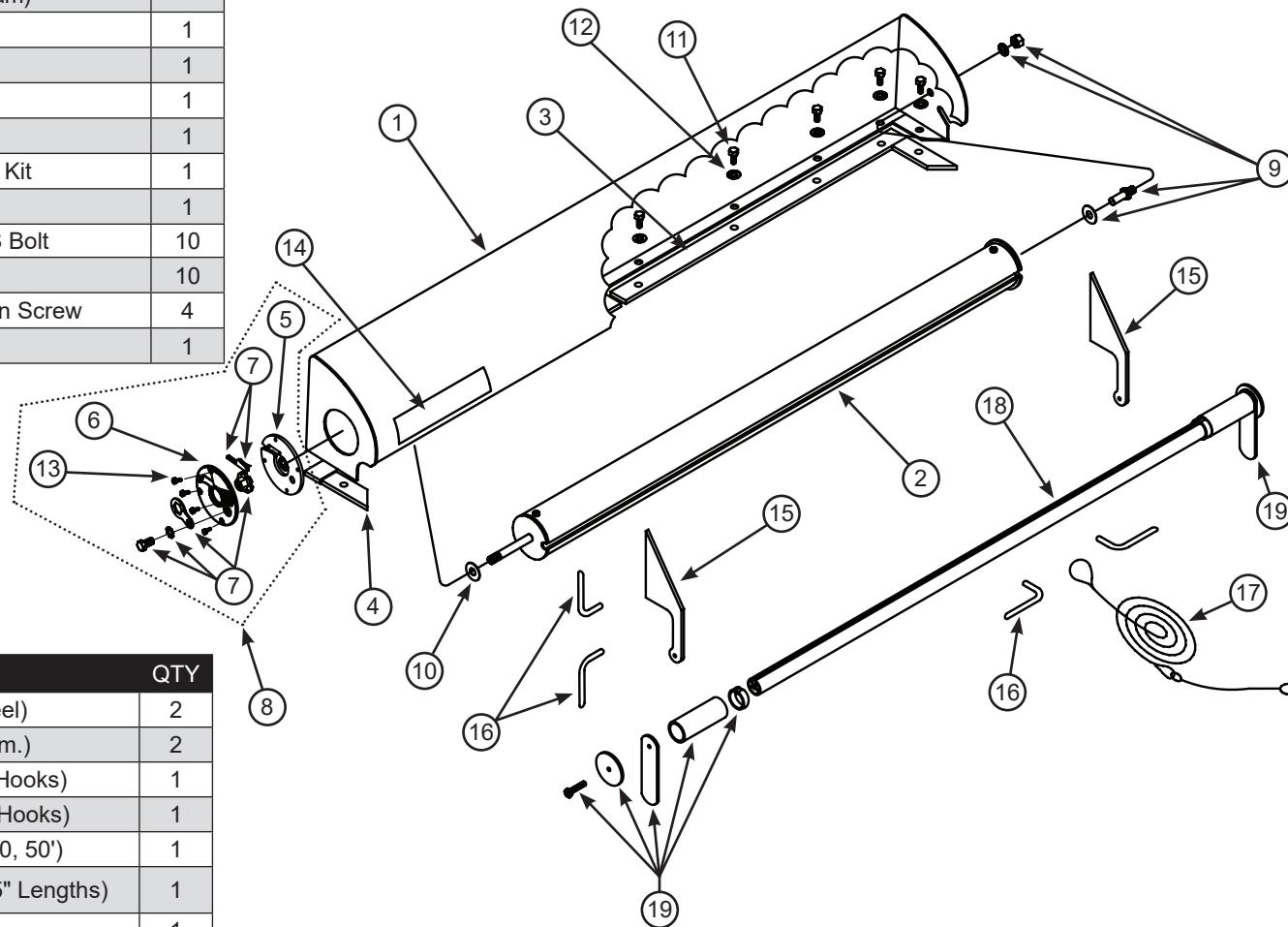
(Widths of 80, 84, 87, 89, 93, 96, 100")

ITEM	PART #	DESCRIPTION	QTY
1	501-01XX	8.5" Super Shield Housing 80, 84, 87, 89, 93, 96, 100"	1
2	501-13XX	Roller Tube Assy 80,84,87,89,93,96,100"	1
3	501-15XX	Mounting Bar 40, 42, 43.5, 44.5, 46.5, 48, 50" (Specify Steel or Aluminum)	2
4	501-150X	Small Steel Mounting Bar (Specify Steel or Aluminum)	2
5	501-0809	Ratchet Housing	1
6	501-0806	Ratchet Cover	1
7	501-0825	Ratchet Kit	1
8	501-0630	Ratchet Assembly	1
9	501-0632	System End Plate Stud Kit	1
10	505-5002	Nylon Washer	1
11	503-3101	5/16" - 18 x 1/2"lg. HHCS Bolt	10
12	505-3102	5/16" Lock Washer	10
13	506-9905	#10 - 32 x 1/2"lg. Phillips Pan Screw	4
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REV. 10/12/16 WLH

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