

# 2000X



## Installation Instructions July 2008



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## 2000X Tarp Housing Installation Instructions

# STEP #1

### Required Parts:

(2) Bearing Plate Assembly (#4419)

### Before beginning installation:

- 1) Check parts bags for correct contents. Contact your dealer if parts are missing. **THE LAST PAGE CONTAINS THE REFERENCE GUIDE FOR THE HARDWARE YOU WILL NEED TO INSTALL YOUR SYSTEM.**
- 2) Read through instructions for entire system to get a general idea of how each component is mounted and how the components fit together.

### Choosing the Mounting Location

In general, the bearing plates should be mounted on top of the trailer, as far forward as possible, so that the roller bar will be less likely to be damaged by loaders. Bearing plates should be mounted in a position to allow the pull bar to roll freely along the top rails of the sidewalls.

### Installing the Bearing Plates (Optional)

- 1) Once the mounting location has been determined, you may either install the included bearing plates using the 3/8" x 1-1/2" bolts, flat washers, split lock washers and nuts, or use the bearing plates as templates to drill the necessary mounting holes into the cab shield sides or other suitable location.
- 2) If you choose to use the bearing plates as templates and mount directly to the cab shield, remove the 3/4" bearing from the passenger side bearing plate and bolt it in place on the cab shield. **NOTE:** The bearing plates or cab shield holes should be exactly opposite of each other to avoid the tarp bunching to one side during use.
- 3) Be sure there is enough clearance between the rollerbar and the cab shield to roll-up the entire tarp.

## 2000X Tarp Installation Instructions

# STEP #2

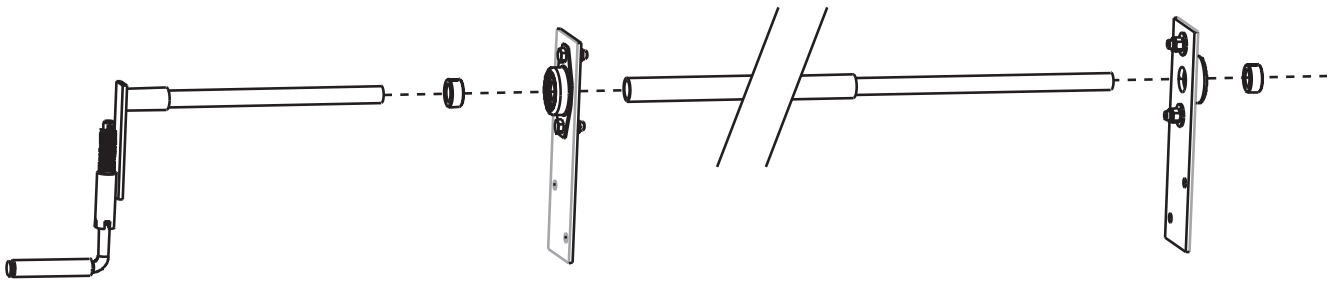
### Contents of Kit:

- |                                 |                             |
|---------------------------------|-----------------------------|
| 1 Aluminum tubing, 104" (439)   | 1 Crank handle (4128)       |
| 1 Pull rope with clip (3788)    | 1 Roller bar (121)          |
| 1 Rubber strap with hooks (187) | 4 Hose clamps, 1 1/2" (146) |

## Roller Bar Assembly

**NOTE:** If you need to cut the roller bar to make it fit between bearing plates, then make sure you cut the tube end and not the solid shaft end.

- 1) Insert 3/4" end of roller bar through passenger side bearing plate. Attach 3/4" shaft collar to end of roller bar that is now sticking out of bearing.
- 2) Slide second 3/4" shaft collar on the crank handle shaft.
- 3) Insert crank handle shaft through driver side bearing plate and into hollow tube part of roller bar.
- 4) Weld crank handle where it slides into roller bar.
- 5) Tighten down 3/4" shaft collars on each side of bearing plate, so that roller bar can only move 1/2" from side to side.



## Installing the tarp

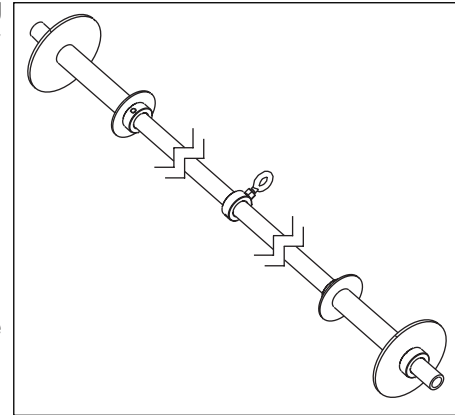
- 1) Lay the tarp out flat ensuring the top is facing up and the 4" pocket is to the rear. To help identify the top side of the tarp, ensure the side hems fold underneath and the 4" pocket is sewn with hem facing up.
- 2) Attach front edge of tarp to under side of roller bar using hose clamps threaded through the four leading edge grommets and around roller bar. Space evenly and tightly across roller bar width.

## Assembly of the pull-bar (See diagram on next page to see assembled pull bar)

- 1) Slide the 1" shaft collar to the middle of the pull bar and secure in place by tightening the set screw.
- 2) Insert the pull bar into the 4" pocket on the rear of the tarp.
- 3) Slide a 1" shaft collar onto each end of the pull bar; leave the set screw loose for final adjustment later.
- 4) Slide a 3" fender washer onto each end of the pull bar.
- 5) Slide a 1" x 6" PVC roller onto each end of the pull bar.
- 6) Slide the 5" fender washer onto each end of the pull bar.
- 7) Slide a 1" shaft collar onto each end of the pull bar; leave the set screw loose for final adjustment later.
- 8) A small slot must be made in the rear pocket of the tarp to attach the center pull rope to the pull bar. Measure the distance across the rear pocket of the tarp and mark the center point at the rear most edge of the pocket. Cut a small slot (approx 1/4") in the tarp at the center point. Align the slot with the center shaft collar on the pull bar. Remove the set screw in the shaft collar. Insert the eye bolt through the slot in the tarp pocket and into the shaft collar. Tighten eye bolt to secure shaft collar to pull bar. Clip the pull rope onto the eye bolt.

## Adjusting the pull bar width

- 1) The pull bar may require an adjustment in width due to variations in body width and side wall thickness. PVC Rollers on the pull bar should be centered over top rail of each side. If roller positioning needs adjustment, it is only necessary to adjust one side.
- 2) Slide the passenger side outer shaft collar to within 1" of the end of the pull bar. Apply included Loc Tite on shaft collar set screw and secure in place. Slide all remaining passenger side hardware against the outer shaft collar (5" fender washer, PVC roller, 3" fender washer, 1" inner shaft collar), and secure the inner shaft collar by applying Loc Tite and tightening the set screw. Ensure the PVC roller is centered on the passenger side top rail.
- 3) Align the driver's side PVC roller on the center of the rail and secure the shaft collars as in step 2 above. Cut off any excess pull bar ensuring that you leave at least 1" of pull bar extending beyond the outer shaft collar.
- 4) Loosen the center eye bolt and adjust as necessary to center the tarp on the pull bar.



## Side wall modifications

- 1) It may be necessary to build up or modify sides of body to allow the pull bar to roll smoothly from the tarp housing along the top rail of the body and over the tailgate latch. This may be done using wood or metal to raise the entire side height or act as a ramp to transition the pull bar over obstacles such as tailgate hinges. **NOTE:** using steel wire cable is an excellent way to fabricate a ramp for the rollers to transition over. Weld or bolt one end of the cable to the top rail and one end to the top of the obstacle to transition over. If the obstacle is the tailgate hinge, cable will flex out of the way when the tailgate is raised.

# 2000X

## Rope Hook Installation

# STEP #3

### Contents of Kit:

- 4 "J" hooks (62)

### Installing the rope hooks

- 1) Weld or bolt two "J" hooks to the tailgate far enough apart to allow the entire length of the pull rope to be stored when the tarp is fully extended.
- 2) Mount another set of "J" hooks to the front driver's side of the body or trailer in a position that allows the entire length of tarp rope to be stored when the tarp is fully retracted.

### Installing the Wind Deflector (Optional)

Install the wind deflector halves to the cab shield using the 3/8" x 1 1/2" bolts, flat washers and lock nuts. Mount the wind deflector forward of the roller bar allowing enough space between the wind deflector and the rollerbar for the tarp when it is fully rolled up. One or both halves may need cutting to fit the width of the cab shield.

**To Operate:**

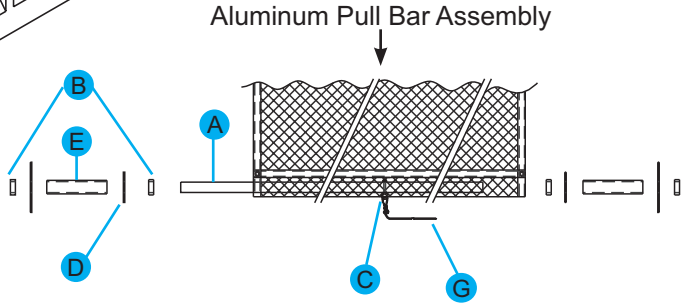
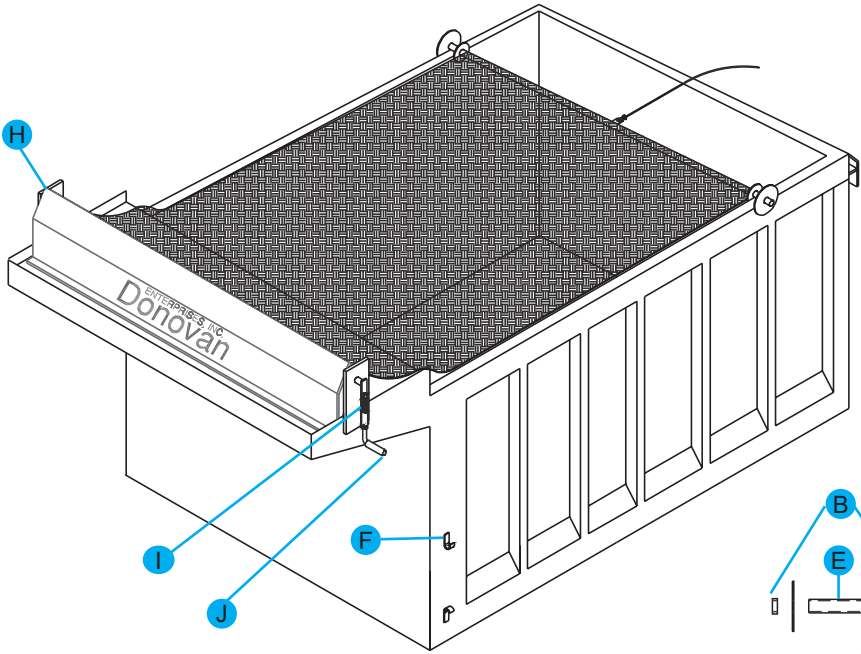
- 1) Before moving truck / trailer, pull rope must be stored on “J” hooks installed on front driver’s side of body or rear tailgate.
- 2) To cover body, remove rubber strap from crank handle, walk pull rope to rear of body pulling tarp to the rear. Pull-bar should be pulled over tailgate 12” - 18”. Secure pull rope and pull-bar using “J” hooks installed on tailgate. Turn crank handle until tarp is wound tight on roller bar. Secure crank handle using rubber strap. (Insure tarp is strapped down on sides to prevent premature wear.)
- 3) To uncover body, unwind pull-rope from rear “J” hooks. Walk to front of body or trailer. Turn crank handle so that tarp is winding on to roller bar in a clockwise direction. Pull bar will roll along top rail of container. Fasten crank handle with rubber strap and secure pull-rope to “J” hooks.

**CAUTION: If installed on a belly dump trailer with a solid tarp (not mesh), uncover trailer before dumping to prevent damage to tarp system from suction caused by belly dump discharge.**

**Any Questions?.....Call us at 1-800-327-8287.**



# 2000X



	Qty	Part #
<b>2000X System, Complete</b>	1	48
Pull Bar Assembly, Complete	1	105
<b>A</b> Aluminum Tubing, 1" x 104"	1	439
<b>B</b> Shaft Collar, 1"	5	40
<b>C</b> Eye Bolt w/ nut, 5/16" x 1.25"	1	2454
<b>D</b> Washer, Fender, 1" ID x 3" OD	2	92
Washer, Fender, 1" ID x 5" OD	2	3809
<b>E</b> Roller, PVC, 1" ID x 6" OD	2	2451
<b>F</b> J - Hook	4	62
<b>G</b> Rope assembly	1	3788
Hose Clamp, 1 1/2"	4	146
Shaft Collar, 3/4"	2	148
Rubber Strap w/ hooks, 15"	1	187
Bearing plate Assembly	2	4419
Bearing Plate	2	4155
<b>H</b> Bearing, 3/4"	2	145
<b>I</b> Crank Handle	1	4128
<b>J</b> Handle Grip	1	2074
Roller Bar	1	121
Loctite (5ml Tube)	1	3858

<b>Mounting Hardware</b>		
Description	Qty	Part #
Hardware Bag	1	4418
Bolt hex, 3/8" x 1 1/2"	4	2464
Washer, flat, 3/8"	4	2875
Nut, lock, 3/8"	4	2874
Hardware Box	1	123

<b>Options</b>	
Description	Part #
Composite Pull Bar Assembly	3704
Wind Deflector	1647