



Turbo Tarp

Installation Instructions

July 2008

Required Parts:

- | | | | |
|---|-----------------------|-----------------------|------------------------|
| 1 | Two Piece Tarp Roller | Installation Hardware | Tarp (sold separately) |
|---|-----------------------|-----------------------|------------------------|

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 tarp roller should be mounted on top of the truck or trailer, as far forward as possible, so that the roller bar will be less likely to be damaged by loaders. Tarp roller should be mounted in a position to allow the pull bar to roll freely along the top rails of the sidewalls (if you have purchased the pull bar option).

Installing the tarp roller

- 1) Once the mounting location has been determined, assemble the 2 halves of the roller bar assembly by inserting the smaller tube into the larger tube. Position the assembled unit in the desired location as indicated in "Choosing the mounting location" above.
- 2) Using the holes on the end plates as a template, drill two holes in the cab shield. Mount unit to the cab shield using the included 3/8" bolts, flat washers, and lock nuts. If so desired, the unit may be welded to the cab shield.

Installing the tarp

- 1) Lay the tarp out flat ensuring the top of the tarp 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) Install the tarp into the roller bar by inserting the tarp spline into the tarp slot of the roller bar through the center void where there is a gap between the left hand roller bar outer and the right hand roller bar outer. If the void is not large enough to allow the tarp to be installed from the center void, insert tarp spline into the right hand side of the roller bar.

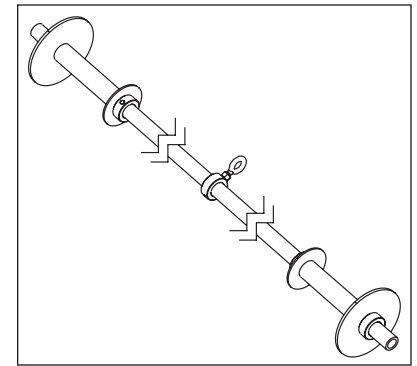
Assembly of the optional pull bar (See diagram on top of next page)

- 1) Slide a 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.
- 4) Slide 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 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.
- 9) 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 Loctite 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 Loctite 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.

Assembled Pull Bar



Side wall modifications

It may be necessary to build up or modify sides of bodies 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. If the obstacle is the tailgate hinge, cable will flex out of the way when the tailgate is raised.

Installing the rope hooks

- 1) Weld or bolt two "J" hooks to the tailgate far enough apart so the entire length of the pull rope can 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 far enough apart so the entire length of tarp rope can be stored when the tarp is fully retracted.

Turbo Tarp Hardware Kit

Decription	QTY	Part#
<u>Mounting hardware</u>		
3/8" x 1 1/2" bolt	4	2464
3/8" Lock nut	4	2874
3/8" Flat washer	4	2688

Optional Pull Bar Harware

Decription	QTY	Part#
Eye bolt with nut 5/16" x 1 1/4"	1	2454
Fender washer, 1" x 3"	2	92
Fender washer, 1" x 5"	2	3809
Shaft collar, 1"	5	40
Loctite (5ml tube)	1	3858
PVC roller 1" x 6"	2	2451
Rope / Snap Assy.	1	3788
Aluminum Tube, 104"	1	439
"J" Hook	4	62

Donovan Enterprises

3353 SE Gran Park Way • Stuart, FL 34997
 800-327-8287 • Fax: 772-287-0431 • www.donovan-ent.com