



***Roll Rite, LLC and its entire staff would like to not only Thank You but congratulate you on your purchase of one of what we feel to be the finest line of tarping systems in the industry.***

## *Semi-Automatic Tarping Systems*

RR Part # 101787

*Questions? Contact Customer Service @ 800-297-9905*

*Or*

*Parts Diagrams see "Parts and Diagrams" section on web at [www.rollrite.com](http://www.rollrite.com)*

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# Installation Instructions

## ***Mounting the Tarp Spool***

The tarp spool may be mounted on top of a cab guard, on the back of a cab guard, on top of the board pockets, or any other suitable location. If mounting the spool on top of a cab guard, mount the spool so that the wind deflector will keep air from getting under the tarp. If mounting on the back of a cab guard, mount the spool so that the wind deflector is above the tarp spool.

- 1) Set the spool in place and use the lower two holes in each of the brackets as a guide for marking the mounting holes. **Note:** The inside width of the tarp spool mounting brackets must **exactly** match the width of the mounting location. If the widths do not match, you may need to use shims or cut down the spool. Call the factory at 1-800-297-9905 if you have any questions.
- 2) Drill four 1/2" mounting holes.
- 3) Bolt the spool in place using the included 1/2" bolts and nylock nuts.

## ***Installing the Rear Tarp Rod (If the tarp is not already installed)***

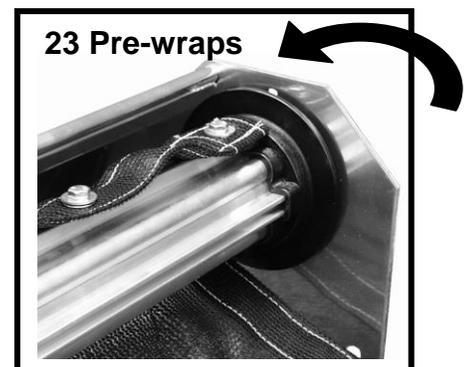
- 1) Lay the tarp out on the ground.
- 2) Slide the rear tarp rod through the pocket at the back of the tarp and center it.

## ***Installing the Tarp Centering Flanges***

- 1) Slide one of the included plastic tarp centering flanges onto each end of the rear tarp rod.
- 2) Slide the flanges up against the tarp.
- 3) Tighten the set screws so that the flanges hold the tarp centered on the rear bar.

## ***Attaching the Tarp to the Tarp Spool (If not already installed)***

- 1) Pre-load the tarp spool spring by rotating the tarp axle **23 revolutions** in the direction shown by the arrow in the photo on this page. Hold or pin the axle in this position while installing the tarp. Note: If the unit requires more effort to pull out than you would like, you may reduce the number of pre-wraps.
- 2) Run the front edge of the tarp under the tarp axle, around the front of the axle, and then up onto the top of the axle (see the photo to the right).
- 3) Line the five grommets on the front edge of the tarp up with one of the threaded grooves in the axle.



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- 4) Center the tarp and attach it to the axle with the included 5/16" x 5/8" button head bolts. If the tarp is wider than the exposed axle, you will need to slide the outside bolts inward and bunch the tarp slightly. Make sure that the outer bolts do not crowd the black bushings and push them outwards.
- 5) Slowly let the tarp roll itself up until the rear tarp rod has contacted the mounting brackets.

### ***Attaching the Pull Rope***

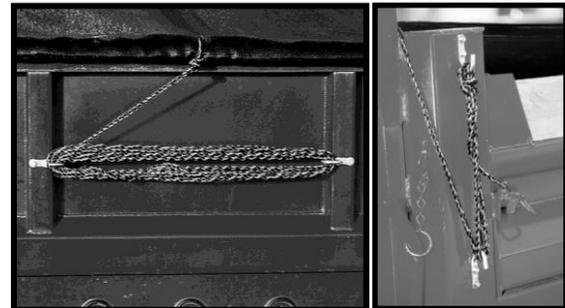
- 1) Tie one end of the included rope through the large grommet in the center of the rear tarp pocket. The rope should wrap around the rear tarp rod.
- 2) If there is no large grommet in the center of the rear tarp pocket, you will need to cut a small hole through the rear tarp pocket. The hole should be cut through the pocket but ahead of the rear tarp rod so that the rope wraps around the center of the tarp rod.

### ***Attaching the Tarp Rod Hooks***

The large hooks should be welded or bolted to the tailgate. The hooks need to be mounted so that the tarp centering flanges on the rear tarp rod will fit between them. These hooks are used to hold the tarp rod in the deployed position. If you decide to bolt the hooks to the tailgate, attach them as described below for attaching the rope hooks.

### ***Attaching the Rope Hooks***

Two pair of small rope hooks are supplied with this system. One pair of rope hooks should be bolted or welded to the driver's side of the box near the front (to store the pull rope while the tarp is retracted). The other pair should be attached to the tailgate (to store the rope while the tarp is deployed).



- 1) Use the hooks as a guide for marking the mounting holes. Make sure that the hooks are far enough apart to hold all of the rope.
- 2) Drill two 3/16" mounting holes for each hook.
- 3) Attach the hooks with the included 1/4" self-threading screws.

### ***Attaching the Eyebolt (If needed)***

The included eyebolt is intended to be used when the tarp spool has been mounted on top of a cab guard. The eyebolt will allow you to tuck the tarp down behind the cab guard and hold it there.

- 1) Install the eyebolt on the passenger side of the box as close to the front corner as possible.
- 2) If you can get to the back of the mounting location, drill a 5/16" hole and attach the eyebolt using the included 5/16" nuts.
- 3) If you cannot get to the back of the mounting location, drill and tap for a 5/16" bolt and install the eyebolt using the included 5/16" nut as a jam nut.



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# Operating Manual

## ***Deploying the Tarp***

- 1) Untie the pull rope from the front rope hooks.
- 2) Carry the rope to the back of the truck.
- 3) Pull the rope to deploy the tarp.
- 4) Pull the tarp out until the rear tarp rod is below the large hooks on the tailgate.
- 5) Let the tarp in slightly so the tarp rod hooks under the large hooks on the tailgate.
- 6) Tie the rope off to the small rope hooks on the tailgate or follow the directions below for tucking the tarp down behind the cab guard.

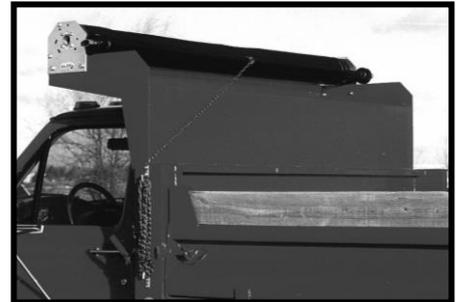
## ***Tucking the Tarp behind the Cab Guard***

If your tarp spool is mounted on top of the cab guard, you should tuck the tarp down behind the cab guard.

- 1) After hooking the rear tarp rod under the hooks on the tailgate, walk the rope up to the front passenger corner of the box.
- 2) Thread the rope through the eyebolt as shown below left.
- 3) Walk the rope back over to the driver's side of the box.
- 4) Pull the tarp down tight and tie it off to the rope hooks as shown below right.

## ***Retracting the Tarp***

- 1) Untie the rope from the rope hooks and walk to the back of the box.
- 2) If you have used the eyebolt to tuck the tarp down behind the cab guard, you will need to pull the end of the rope back through the eyebolt and to the back of the box.
- 3) Pull the rope down to release the rear tarp rod from the large hooks on the tailgate.
- 4) Slowly let out the rope and allow the tarp to wind itself up.
- 5) Walk up to the front driver's corner of the box and tie the rope off to the rope hooks as shown to the right.



## ***Changing the tarp***

- 1) Pull the tarp out until the grommets are exposed.
- 2) Insert a pin or flat blade screw driver in one of the threaded grooves in the tarp axle and let the tarp back in until the pin comes up against the wind deflector, there will be no tension on the tarp at this point. (This step is done easiest with 2 people)
- 3) Remove the 5 bolts that hold the tarp to the tarp axle.
- 4) Remove the rear bar from the tarp.
- 5) Slide new tarp under the axle and bolt in place as the other one was removed.
- 6) Re-install the rear bar.

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- 7) Pull out on the rear bar until tension is relieved from the pin that you installed in step 2.
- 8) Remove the pin and let the tarp roll back up.

### ***Spring Tension Adjustment (only needed if different tension is wanted)***

Your self retracting tarp system uses spring power to retract the tarp. This tension is adjustable to a certain degree. Never add more than 4 addition pre-wraps beyond what your system ships with from the factory. *Over tensioning the spring will damage it.*

#### **To add tension/pull back power to your tarper:**

- 1) Using a flat blade screw driver or some such pin, pin your tarp axle in place.
  - a. To do this, pull the tarp out 6"- 8" and hold in place.
  - b. Look next to the tarp on the tarp axle on either end, there are 5 grooves in the tarp axle. Insert the end of the screw driver or pin into the groove that is opening straight up or close to straight up.
  - c. While holding the pin in place let the tarp wind back in. The pin will come up against the aluminum wind deflector and allow the tarp to go limp.
- 2) Remove one pair of the tarp flanges from one end of the rear tarp bar.
- 3) Slide the tarp bar out of the pocket of the tarp.
- 4) Hold the tarp axle and tarp firmly and remove the pin.
- 5) Roll the tarp axle with the tarp on it up to 4 revolutions in a counterclockwise direction when looking at the system from the driver's side.
- 6) Re-Pin the tarp axle
- 7) Replace the rear tarp bar and the tarp flanges that you removed in step 2.
- 8) Hold tarp and remove the pin.

#### **To reduce the tension/pull back power of your tarper:**

- 1) Follow steps 1-3 above to pin the tarp axle in place, and remove the rear tarp bar.
- 2) Being careful not to knock the pin out – uncoil one to two wraps of tarp off the tarp axle.
- 3) Replace the rear tarp bar and the tarp flanges that you removed above.
- 4) Pull out on the tarp until the pin falls free and let tarp retract in.
- 5) If you still want less tension repeat above procedure until the desired tension is achieved.

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## **Maintenance Manual**

*Roll Rite, LLC designs its tarping systems and power kits to be as maintenance free as possible, contributing to the overall value of the product.*

**Maintenance intervals vary based on environmental conditions.**

Roll Rite, LLC recommends that:

- All electrical connections should be cleaned and greased regularly to prevent corrosion (fill all electrical boots, limit switch boots, etc. with dielectric grease). Electrical connections can be found at all motors, switches, contactors, limit switches, control boxes and batteries.
- All bearings with grease fittings and tower legs must be greased regularly.
- Check and tension all set screws. Set screws should be tightened until they touch and then torque them  $\frac{3}{4}$  of a revolution beyond that.
- Check motor mounting bolts and torque to 70 in-lbs (5.8 ft-lbs).
- All mounting hardware should be checked to insure all system components are securely fastened.
- Visually inspect all moving parts for abnormal or excessive wear.

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***Once Again Roll Rite, LLC would like to Thank You for your business and offer you not only the finest product in our industry, but the best customer service as well. We would like to invite you to visit our web site at [www.rollrite.com](http://www.rollrite.com), where you can find a complete set of parts diagrams.***

***Additionally we would love to hear from you if you have any questions or issues:***

**Phone - 800-297-9905**

**Fax – 888 TARP FAX (888-827-7329)**

**E-mail – [info@rollrite.com](mailto:info@rollrite.com)**

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