



ELECTRIC LOCK-N-ROLL INSTALLATION INSTRUCTIONS



LOCK-N-ROLL INSTALLATION

Congratulations on your purchase of a Mountain Tarp Lock-N-Roll tarping system. With tarping systems for dump bodies, transfer trailers, scrap trailers, landscaping trucks and roll-offs, Mountain Tarp offers the most complete line of tarping systems and parts in the industry.

Note:

Please read through instructions for entire system and follow instructions thoroughly to ensure your system will work properly. It is important that you inspect your trailer and prepare it for installation by removing any sharp edges or any thing that will cause damage to your tarp.

For further technical assistance, contact our corporate headquarters at (800) 248-7717 or email us at sales@mountaintarp.com. For parts and service, visit us at one of our locations in Kentucky, Texas, or Ohio, or contact one of our many dealers nationwide. To learn more about Mountain Tarp and the products we offer, visit us online at www.mountaintarp.com.

Headquarters	Louisa, KY	Monroe, OH	Ravenna, OH	Houston, TX	San Antonio, TX
PO Box 186 1002 N. 15th St. Middlesboro, KY 40965 800-248-7717	225 Fallsburg Rd. Louisa, KY 41230 606-686-2117	940 Holman Ave. Monroe, OH 45050 513-422-7737	4442 State Rt. 14 Ravenna, OH 44266 330-325-7722	12245 FM 529 Rd, Houston, TX 77041 888-618-8277	78 Harby Dr. San Antonio, TX 78212 888-618-8277

Tools Required:

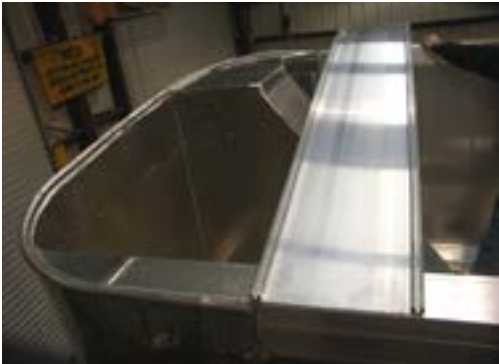
- Ratchet and sockets
- 3/8", 1/2", 9/16", and 3/4" wrenches
- Welder-Steel and Aluminum
- Drill/Phillips Bit
- Drill bits as needed to pre-drill bolt holes
- Measuring tape
- Marking Tool/Pen
- Circular Saw
- Lubricant
- Zip ties

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STEP 1: INSTALLING MASTER BOW



1A:
Placement of master bow is dependent on depth of cap or bonnet to be installed. In most cases it should be a max of 24”.

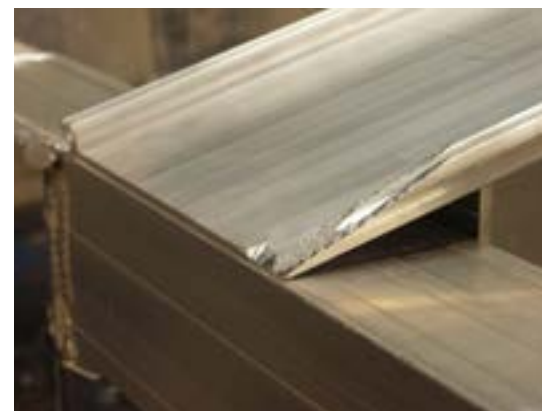
1B:
Place one edge of master bow flush with bed and mark bottom of other bow end with outside edge of trailer to cut off excess. Then center bow legs flush with bottom of master bow and inside of trailer and mark leg position for welding (both sides).



1C:
Place bow legs flush on master bow at marks and weld in place (both sides).



1D:
Use a saw to taper rear tarp rail on each end of master bow as shown, use a hammer or file to make sure all sharp edges are smooth to avoid tearing tarp.

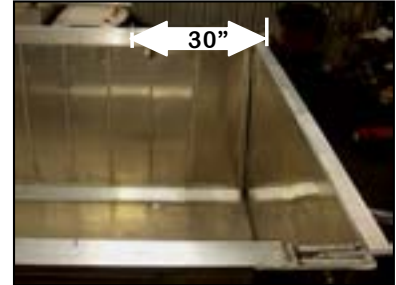


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STEP 2: INSTALLING THE INTERMEDIATE BOWS



2A:
Measure 18" from back of Master Bow for next 2 bows and mark for bow bracket (both sides).



2B:
Measure 30" from outside edge of tailgate and mark for rear bow location (both sides).



2C:
Measure and mark remaining bow locations approximately 48" on center from second bow location to rear bow (both sides).



2D:
Hold bow bracket on determined marks and drill, keeping top of bracket flush below top of trailer. Attach brackets with 3/8" machine bolts provided (both sides).



2E:
Slide fixed end of bow into bow bracket on either side of trailer. Slide the long end of bow leg into other end of bow, then slide short end into bow bracket and tighten the bolt on bow to secure the leg.



2F:
Follow steps in 2E for remaining bows. Once all bows are in place inspect height on all bows to make sure the rise is consistent. Note bolts may be loosened for adjustment after bows are in place.



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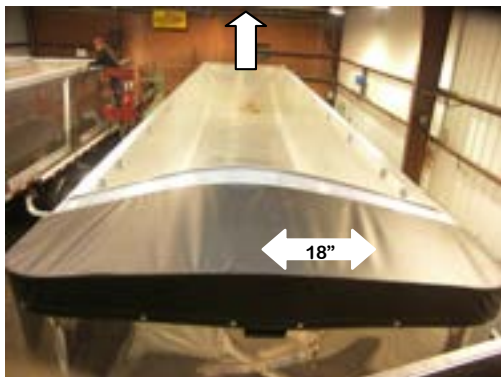
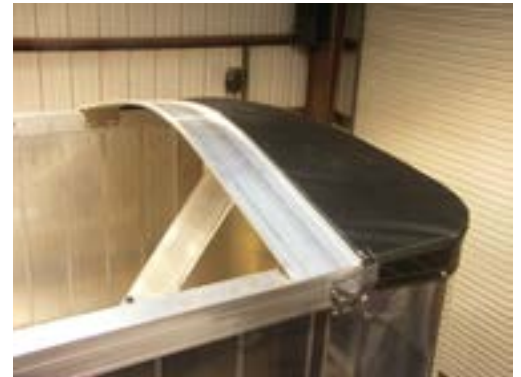
STEP 3: INSTALLING NOSE BONNET



3A:
Apply a small amount of lubricant to front tarp rail on master bow. Insert tubing into tarp rail and slide to opposite side.



3B:
Work bonnet over front of bulkhead. Align seam with top weld, do not let seam ride over front of bulkhead.



3C:
Align bottom of bonnet along front, drill and bolt in place a minimum of 18" apart using 3/8" machine bolts supplied. Once front is secured, slide master bow toward back to remove any slack and smooth any creases in bonnet.

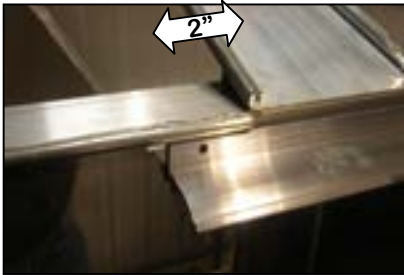


3D.
Align leg holes with marks, drill and secure bow legs with 3/8" machine bolts provided.

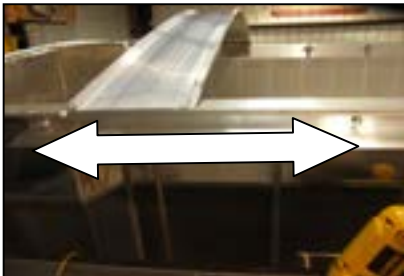


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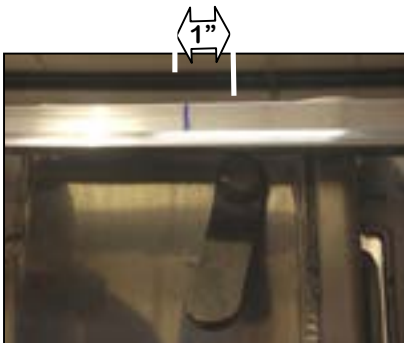
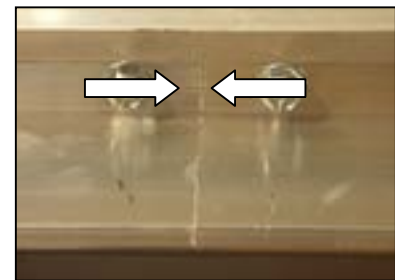
STEP 4: INSTALLING LATCH PLATE



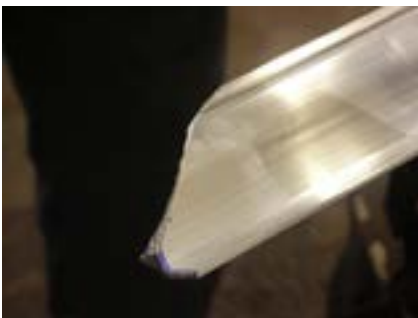
4A:
Place front of latch plate approximately 2" in front of master bow and flush with round bar. Drill and bolt in place with 3/8" machine bolt provided. Cap latch plate over bonnet as shown.



4B:
Mount top of latch plate 1/2" below top of rail. Maintain 24" minimum between bolts. Butt latch plates together as shown, maintain a minimum of 3" between machine bolts at joint.



4C:
Hold back section in place and mark 1" in front of gate pin. Cut off excess latch plate and taper from mark toward front as shown. Smooth all edges to avoid tearing or puncturing tarp.



4D:
Drill hole a minimum of 2" from end of latch plate and mount as shown.



4E:
Drill hole 1" back from front of latch plate and mount eye bolt. Make sure eye bolt is tightened perpendicular to latch plate.



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STEP 5: INSTALLING EZ OFF TARP STOPS



5A:

Mount EZ OFF 1" from back of master bow and 1" below top edge of trailer or 1" in front of rear standard on passenger side, with 3/8" machine bolts supplied. Then space remaining EZ OFFs evenly between front and rear a maximum of 8' apart.

STEP 6: INSTALLING ROLL PIPE AND ANCHOR PIPE



6A:

Roll pipe and anchor pipe is supplied in 20' joints. Assemble and weld joints. Insert spline weldment in end of roll pipe and weld as shown.



6B:

Unfold and straighten tarp. Insert the anchor pipe into 4" pocket and slide thru to other end. Cut both ends flush with edge of tarp.



6C:

Place the plastic end caps into each end of the anchor pipe. Fasten each end of tarp to the anchor pipe with the 1/4" tek screws supplied.



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STEP 6: INSTALLING ROLL PIPE AND ANCHOR PIPE CONT.



6D:
Insert the 2" roll pipe open end first into pocket from rear of tarp and slide through to other end. Leave 18" (length varies) of splined end out at rear of tarp.



6E:
Fasten tarp to roll pipe at rear with "U" clamp and 1/4" tek screws provided. Install "U" clamps one on every seam apart down the length of tarp.



6F:
Install "U" clamps on overlapping heat seal seams. Cut off excess roll pipe flush with pocket at front end of tarp.



6G:
Install Roll Return tube in front of roll pipe. Tap plastic flange until flush with end of roll pipe.

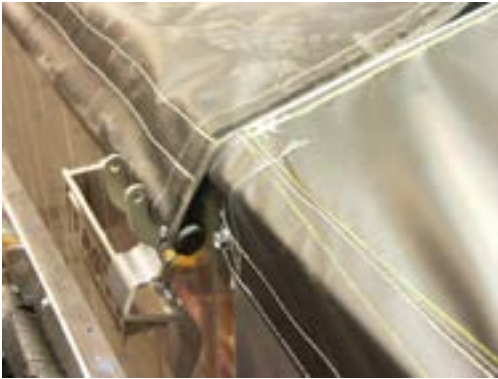


6H:
Roll up the tarp with anchor pipe at end of roll to prepare for installation on trailer.



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STEP 7: INSTALLING TARP



7A:

With EZ OFFs in open position, place anchor pipe in cradle as shown. Tarp should be flush with back edge of bonnet as shown. Anchor pipe should extrude in front of tarp stop as shown, this length will vary.



7B:

Rotate tarp stop to locked position, insert pin and clevis as shown on front tarp stop.



7C:

Remove previously installed tek screw in front of front tarp stop and install a "U" clamp, to help secure anchor pipe in place. This is to ensure pipe will not slide back during dumping.



7D:

Rotate remaining tarp stops to locked position.

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STEP 8: INSTALLING ROLL RETURN



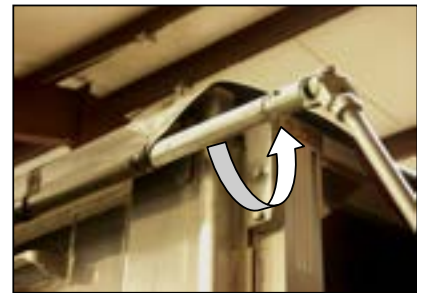
8A:
Roll tarp to covered position, allow tarp to hang down on driver's side. Thread bungee through eye bolt on the latch plate and pull to create tension. Stop pulling bungee when the roll pipe begins to lift. Tie securely to eye bolt and cut off excess.



STEP 9: INSTALLING CRANK HANDLE



9A:
With tarp in covered position, (Note: tarp overhang will vary from a min of 12" to 22" from top of trailer rail). Slide the "U" joint onto the spline at rear of roll pipe and rotate tarp counter clockwise until locked in place under latch plate.



9B:
With tarp in locked position, pull crank down and in against the side of trailer (Note: it may be necessary to pull crank away from spline to achieve the proper angle to secure crank against trailer).



9C:
With tarp in locked position, pull crank down and in against the side of trailer. Mark the "J" hook position. Install "J" hooks with the 3/8" machine bolts provided.



9D:
With "J" hooks installed, place crank on hooks and secure in place using the lock pins provided. Also lock "U" joint in place with lock pin. Repeat crank handle installation steps on passenger side with tarp in uncovered position.

