



OPEN TOP LOCK-N-ROLL

INSTALLATION INSTRUCTIONS



OPEN TOP LOCK-N-ROLL INSTALLATION

Congratulations on your purchase of a Mountain Tarp Open Top 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 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**.

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Open Top Chip Trailer

COMPONENTS FOR LOCK-N-ROLL SYSTEMS



6 EZ Off Tarp Stops - R0120E



15 "U" Clamps - R0109



Latch Plate (per trailer length) - R0170



Roll Pipe (per trailer length) - R0108

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COMPONENTS FOR LOCK-N-ROLL SYSTEMS CONT.



Spline Weldment - R0141W



Crank for Open Top Trailers - R0112LRF



Roll Return - R0171



Ridge Strap - R0135B



Polly Roll Protectors - R0144



Crank Retaining "J" Hooks - R0112RA



"U" Joint for Crank - R0112UJ



Anchor Piper (per trailer length) - R0118

OPEN TOP LOCK-N-ROLL INSTALLATION

STEP 1: INSTALLING THE ROLL PIPE AND ANCHOR PIPE ASSEMBLY



1A:
Begin by welding the spline weldment to the end of the roll pipe.

1B:
Slide the swaged end of roll pipe into the non-swaged end and weld the pieces together.

1C:
Weld the anchor pipe together.

STEP 2: INSTALLING THE CAP



2A:
The first step to installing your Lock-N-Roll system is to install the front cap. The cap can be installed flush with the front of the trailer or back away from the front of the trailer to allow for air flow during the dumping process. The same steps to install the front cap should be followed to install the rear cap if a rear cap is being used.



2B:
Mark the cap to be cut out at any obstruction that interferes with the cap being placed on the front of the trailer.

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STEP 2: INSTALLING THE CAP CONT.



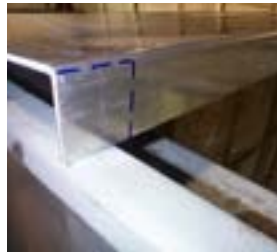
2C:
Cut out the previously marked places on the cap if needed so it will fit around all obstructions.



2D:
Grind the edges of the cap that have been cut so no sharp points comes in contact with the fabric tarp.



2E:
Put the cap in place to determine if the desired fit has been achieved.



2F:
Secure the cap to the trailer by drilling holes through the cap and the top of the trailer, then fasten using the machine bolts provided. Repeat the previous step for the rear cap if one is present.

STEP 3: INSTALLING THE TARP STOPS



3A:
Begin by installing the first stop with the center of the stop body bracket at the rear of the front cap. Then install the rear stop with the center of the bracket at the front of the cap. Space the remaining stops evenly across the trailer. Note: mount the stops so that the top of the bracket is flush with or as close as possible to the top of the top rail on the trailer.

STEP 4: TARP PREPARATION



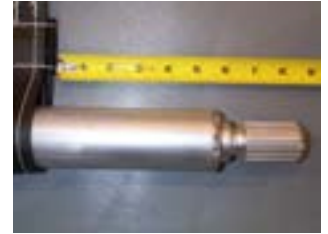
4A:
Unroll the tarp on the ground near the trailer.

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STEP 5: INSTALLING THE ROLL PIPE AND ROLL RETURN

5A:

Insert the two inch roll pipe into the six inch pocket on the driver side of the tarp. Slide the pipe until the spline weldment end of the pipe is protruding from the rear of the tarp nine inches.



5B:

Then cut the front end of the roll pipe so that it is flush with the front of the tarp and slide the roll return into the pipe.

5C:

Slide the roll return in and use a rubber mallet to peck the roll return end cap until it is firmly seated against the end of the roll pipe. Then fasten the tarp to the roll pipe using the "U" Clamp and bolt as shown.



5D:

Fasten the remainder of the tarp to the roll pipe by installing a u clamp at the other end of the tarp and then a u clamp at each area of webbing on the pocket.

STEP 6: INSTALLING THE ANCHOR PIPE



6A:

Slide the one inch anchor pipe into the four inch pocket and cut both ends flush with the edge of the tarp.



6B:

Place the anchor pipe end caps into each end of the anchor pipe. Then using the screws provided, fasten each end of the tarp to the anchor pipe.

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STEP 7: INSTALLING THE LATCH PLATE



7A:
Install the latch plate so that the front edge extends six inches past where the front of the tarp will lay. The latch plate should be mounted at the bottom of the top rail if there are no side boards on the trailer. If side boards are present, the latch plate should be mounted at the top of the highest metal structure.

7B:
Use the machine bolts provided to mount the latch plate, placing one bolt on each end of the latch plate, and the one near every other vertical standard on the trailer. Finally, cut the rear of the latch plate so that it is flush with the rear of the trailer.

STEP 8: INSTALLING THE ROLL RETURN EYE BOLT



8A:
After the latch plate is installed, measure back one inch from the front of the latch plate and drill a 3/8" hole in the center. Then, install the eye bolt as shown above.

STEP 9: INSTALLING THE TARP



9A:
Next roll up the tarp and place it on top of the trailer. The front of the tarp should lay 12" in front of the rear of the front cap.

9B:
With the tarp in place, slide the anchor pipe and the portion of the tarp around the anchor pipe into the slot on the EZ Off stop body bracket. After the anchor pipe is secured in all the brackets make sure that the tarp is still in the right place relative to the front and rear caps. If so, close the tarp stops and lock using the clevis pins and hair pins provided as shown above.



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STEP 10: SECURING THE ROLL RETURN



10A:
Tie the bungee on the roll return to the previously installed eye bolt. Roll the tarp to a covered position. Allow the roll pipe portion of the tarp to hang down on the driver side of the trailer. Thread the bungee at the end of the roll return through the eye bolt on the latch plate and pull to place tension on the cord. Stop pulling the cord just before it begins to raise the front end of the roll pipe and tie securely to the eye bolt. Cut off excess bungee.

STEP 11: INSTALLING THE CRANK

11A:
To install the crank, slide the “u” joint onto the spline at the rear of the roll pipe and roll the tarp until it is locked in place against the bottom of the latch plate.



11B:
With the tarp locked in place, pull the crank down and in against the side of the trailer bending the crank at the knuckle in the “u” joint and the knuckle in the crank (Note: It may be necessary to pull the crank back away from the spline and reposition it in order to achieve the proper angle to get the crank against the trailer). With the crank against the trailer, make a mark where you want to put the crank retaining “j” hooks and install them using the machine bolts provided (after the proper location of the crank is achieved, use the lock pins provided to secure the “u” joint to the spline at the end of the roll pipe).

11C:
After the “j” hooks are installed, place the crank in the hooks as shown above and secure in place using the lock pins provided. Repeat the previous steps to install “j” hooks on the opposite side of the trailer for traveling with tarp in and uncovered position.