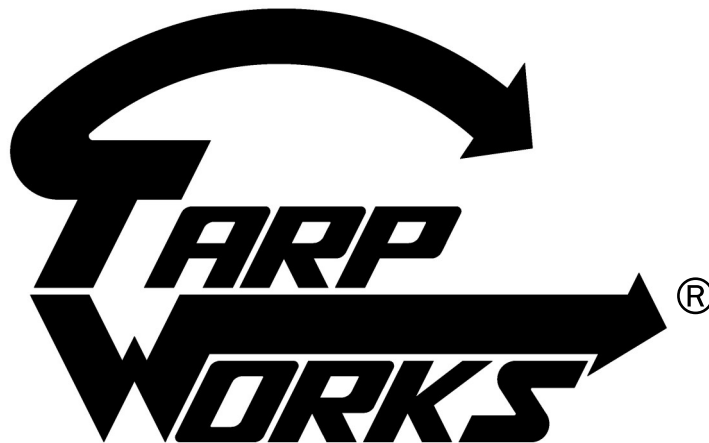




Wrap 'N Roll®

INSTALLATION, MAINTENANCE,
& SAFETY INSTRUCTIONS



(800) 272-6276

001-321-757-7611

www.cramarotarps.com

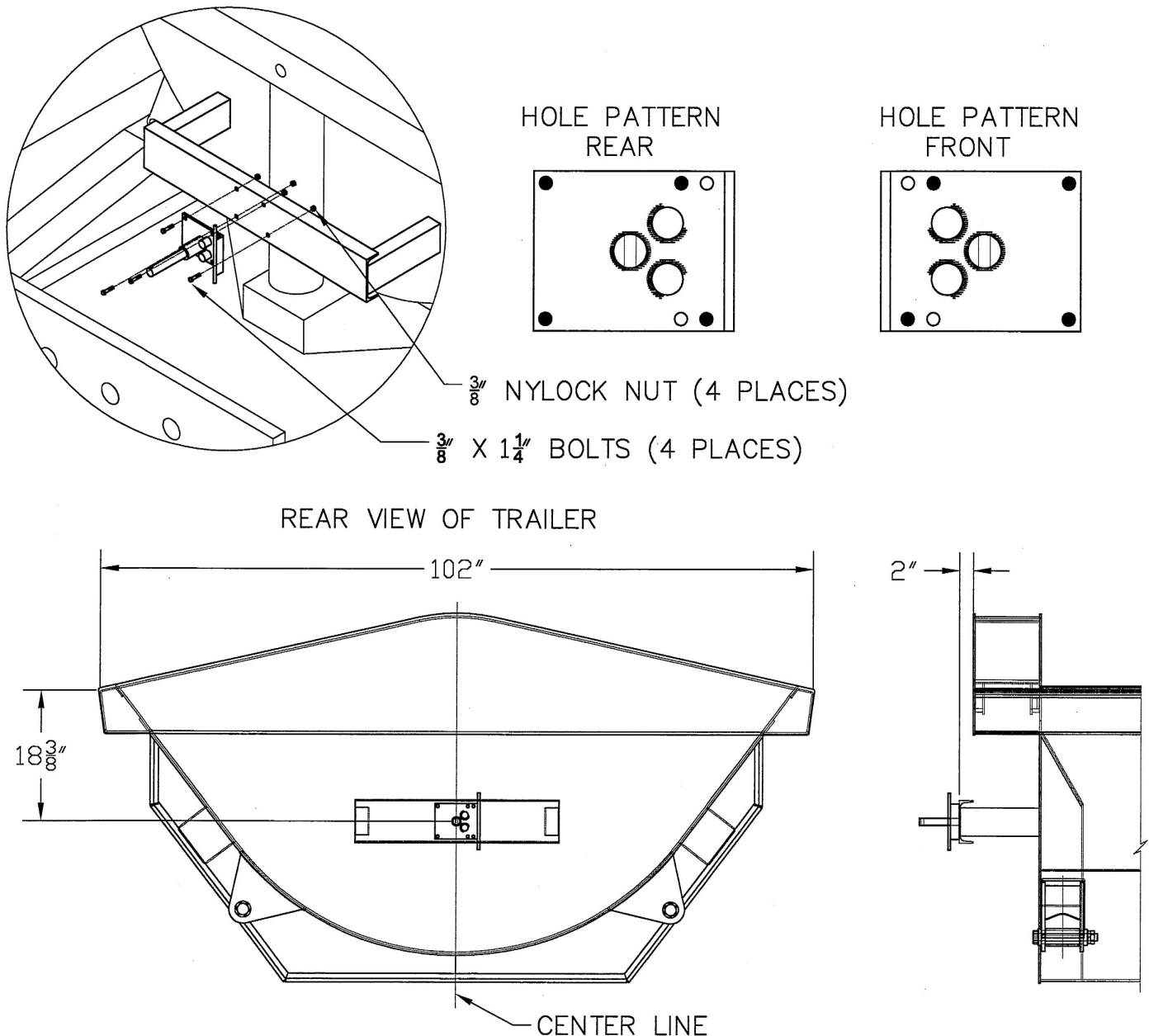
Plants In: Delaware, Florida, Massachusetts, Nevada, Ohio, and Canada

Mounting Front And Rear Pivot Assemblies

Instructions illustrate that the system will roll from driver side to passenger side.

Note: Before mounting any hardware, operate dump body to ensure that any hardware to be mounted from the Wrap 'N Roll system will not interfere with the main cylinder on the front and rear of the trailer body. Also, check the side clearance (Passenger side) in the fully extended dump position to ensure the roll will not hit when dumping on the other side.

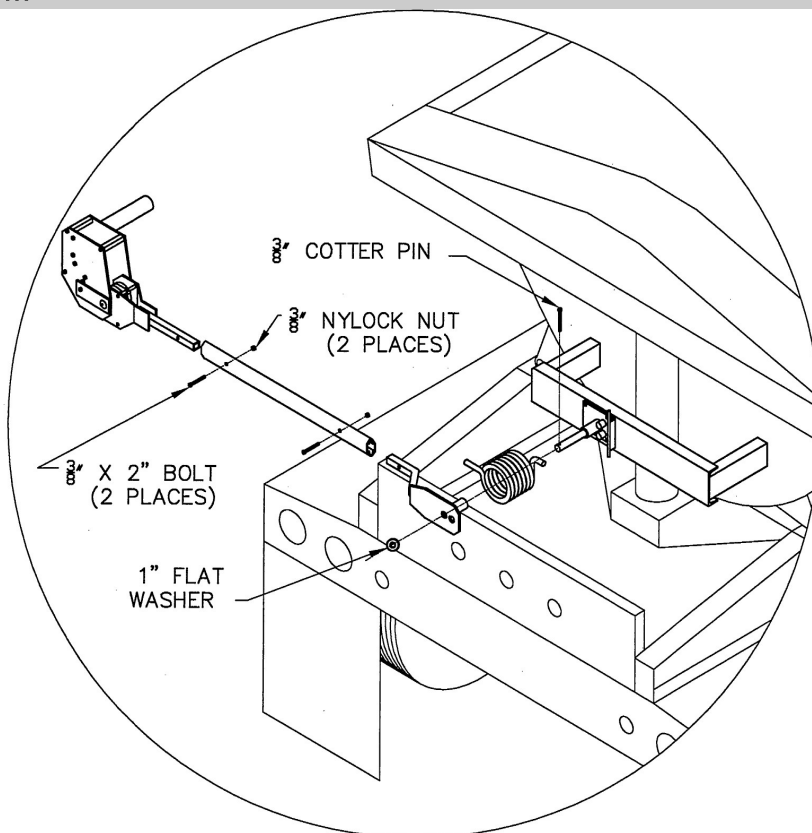
Channel and tube pivot mount kit is optional for mounting the system pivot assemblies. If optional pivot mount kit is needed, cut and weld in location shown below, making sure the tubing does not interfere with the main cylinder. This view shows standard parts with dimensions for a standard 102" body. Be



Assembling the Pivot Arm

Assemble rear assembly as shown.

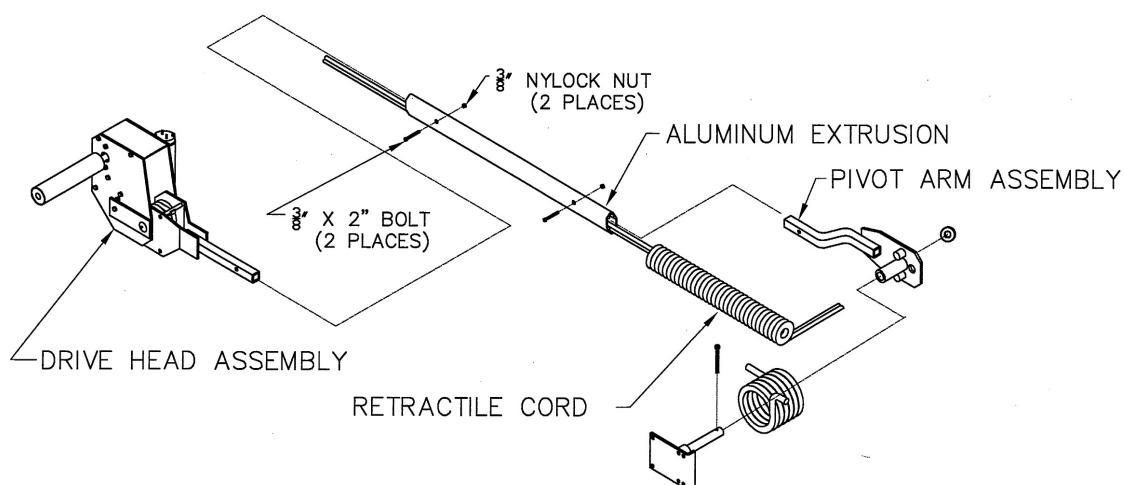
pivot arm as-



Assemble front arm and attach retractile cord to the inner side of the assembly arm using loom clamps provided on the aluminum extrusion. Attach cord making sure there is enough slack length for the motor to pivot in and out and also that nothing can interfere or damage the cord.

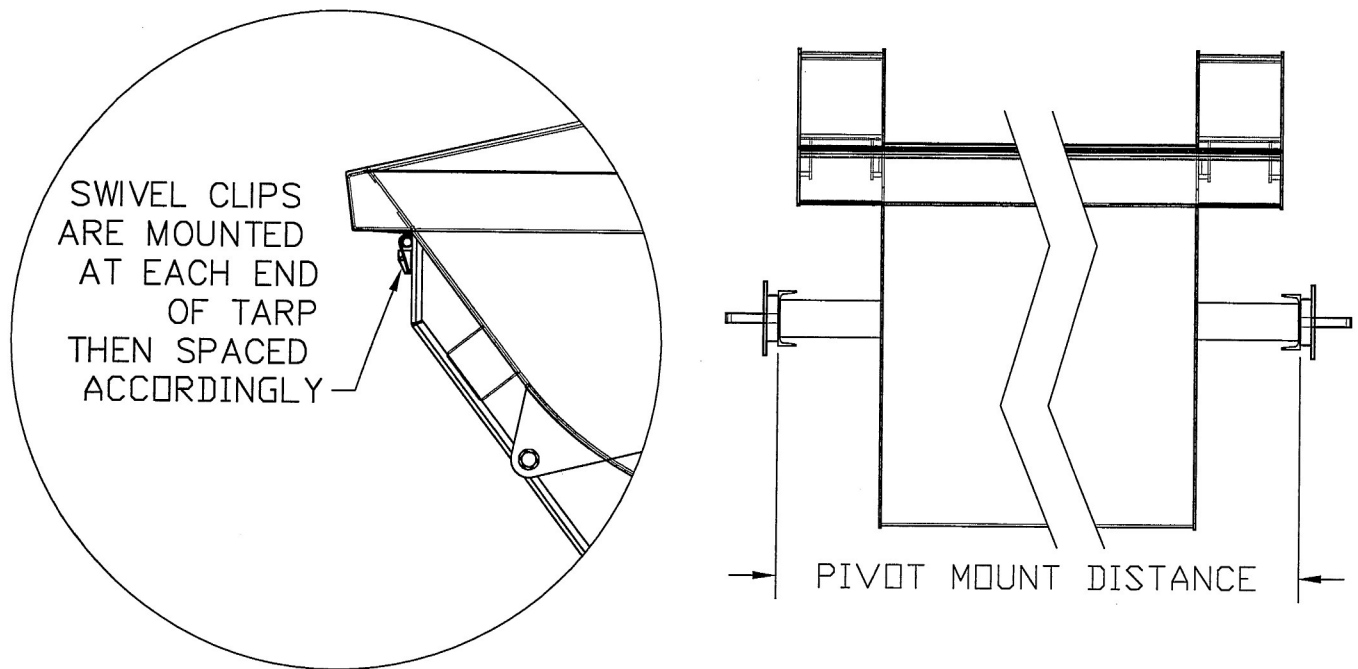
Mount the spring, arm assembly and washer then insert the cotter pin in the pivot pin hole. Pull the assembly outwards until the washer is against the cotter pin. The long end of the spring will sit on the top side of the pivot arm tube.

*****DO NOT INSERT THE SPRING END INSIDE THE TUBE*****



Installing the Permanent Pipe Hold Down Clamps

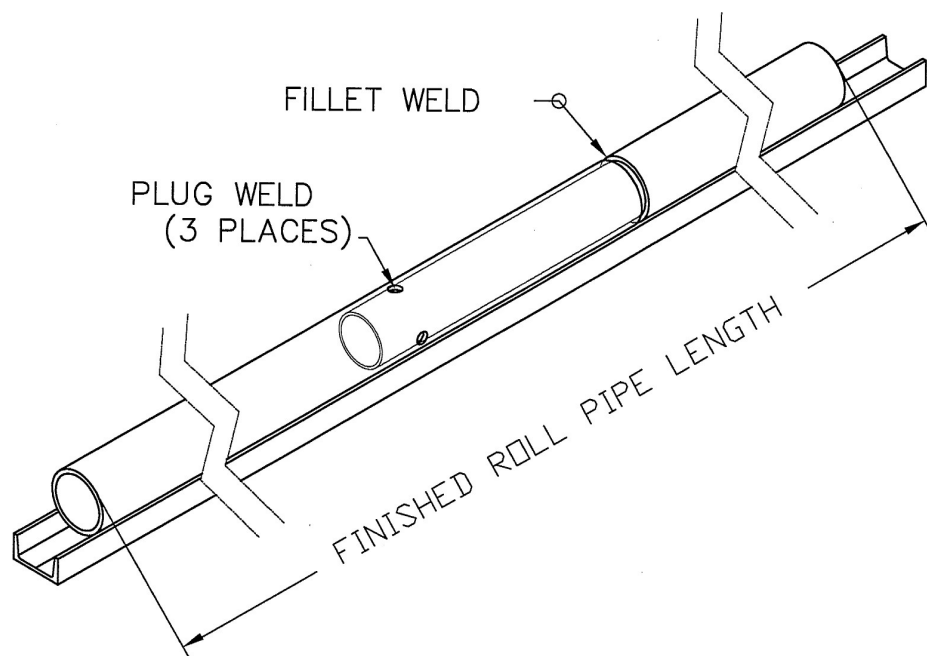
Mount permanent pipe swivel caddies as shown.



Welding the Roll Pipe

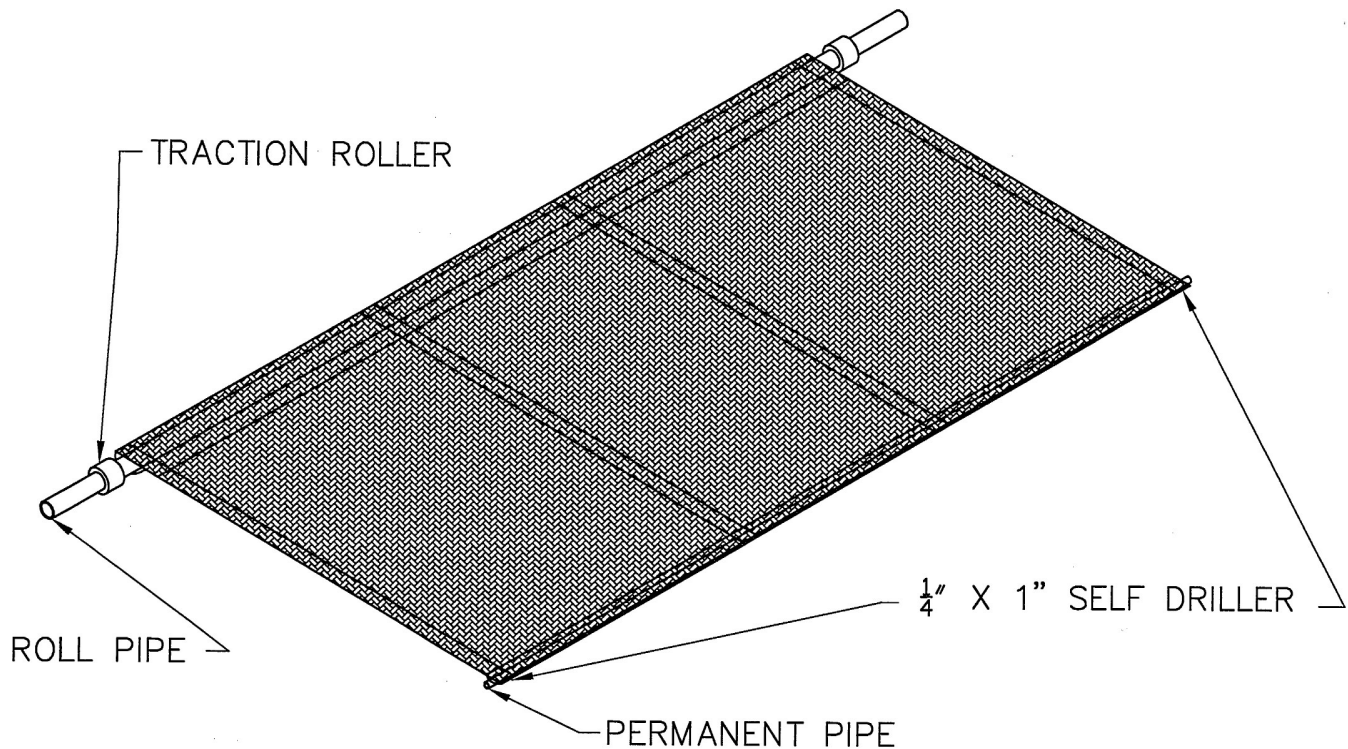
Note: Roll pipe length is cut to length from dimensions given on the system order form. To check roll pipe length, check the pivot mount distance (shown above) and subtract 1" to ensure finished roll pipe length is correct (shown below).

Weld roll pipe as shown below. Use a 3" channel or something that will ensure the roll pipe will be straight after welding together. Tack weld in three rotational positions before completing the welds to ensure the tube stays straight during the welding process.



Installation of Tarp Cover

With outside of tarp up, insert the roll pipe into the large pocket. Assemble the permanent pipe and insert into the small pocket on the tarp. Slide the traction rollers onto the pipe at each end. Roughly center pipes on the tarp and roll tarp from roll pipe to permanent pipe on the floor or ground. Lift the tarp and pipes onto the trailer using clamps to keep the tarp from rolling off the trailer after laid out.



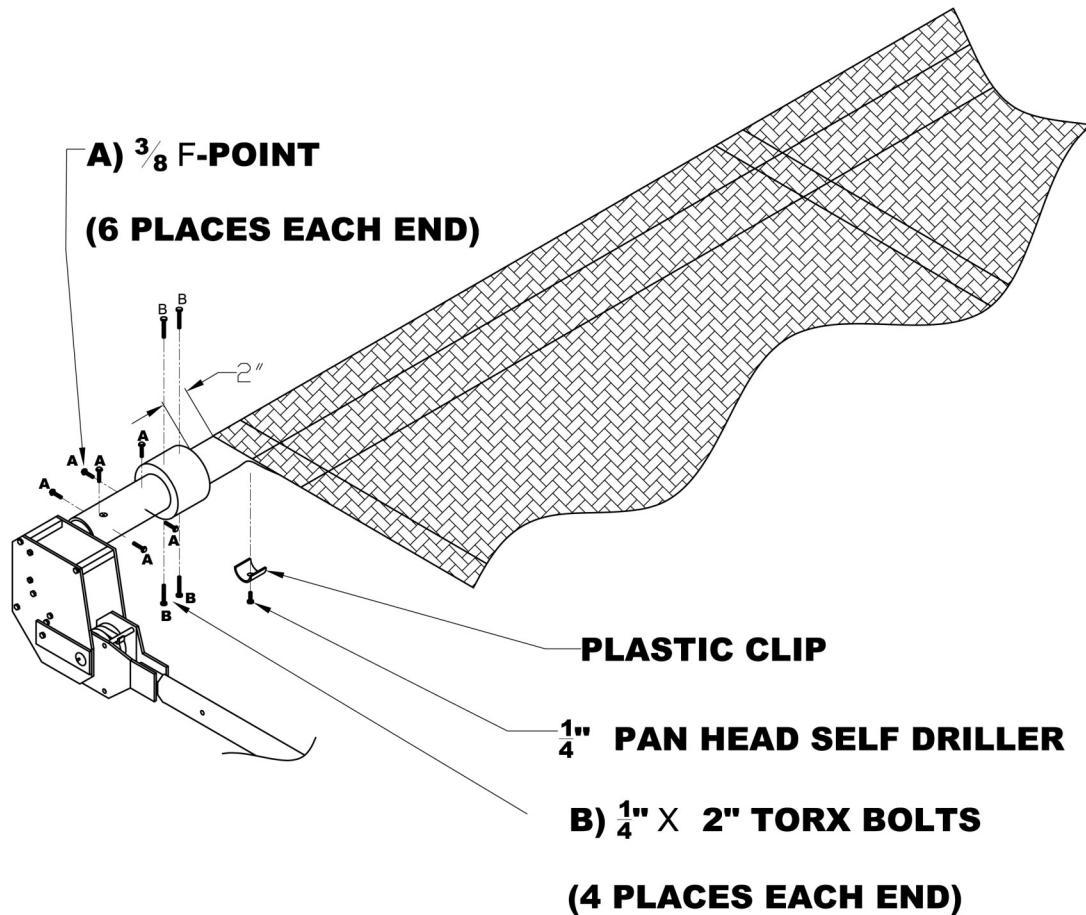
Center the tarp on the passenger side and close the permanent pipe hold down clamps. Install and tighten the bolts to keep clips closed. Use a small bolt on each outer end of the permanent pipe to the clip to keep the pipe from shifting during operation.

On driver's side, make roll pipe flush to inside edge of output shaft tubing on the drive head and idler head. Secure using 3/8" x 1" self-tapping bolts. Use 11/32" drill bit for screw holes. Follow the pattern predrilled in the roller in six positions. (Both ends)

On the driver's side, center the tarp front to back and fasten the tarp with plastic clips using 1/4" pan head self drilling screws. Secure each end through seat belted area. Fasten at the two center seat belts and space the remaining clips in between. (See next view)

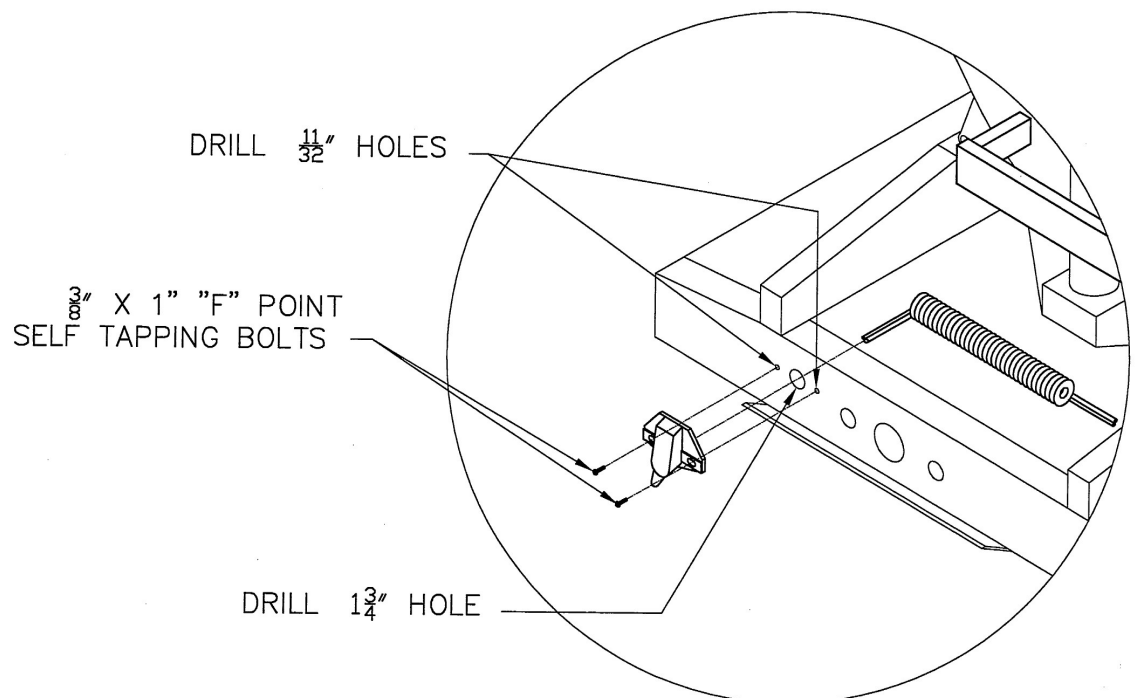
Place traction roller in suitable place so as to line up to the radius sill plate to provide a drive surface. Drill two 7/32" holes through the rubber and into the aluminum roll pipe. Drive torx bolts into the rubber approximately 1/4" below outer surface of the rubber.

Next, drill two 7/32" holes 180° from the first two. Drive torx bolts into the rubber. (See next view)



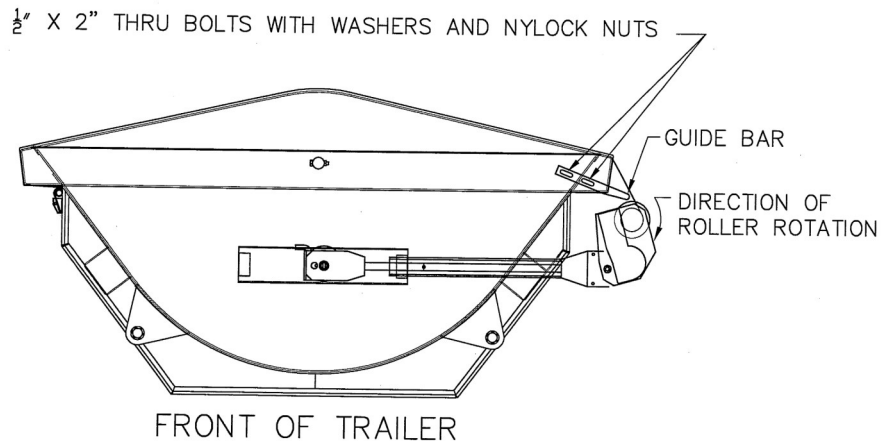
Installing Electrical Components

Connect the retractile cord to the motor using the ring terminals provided in the kit. Connect the other end of the retractile cord to the heavy duty male quick disconnect before bolting to the trailer.



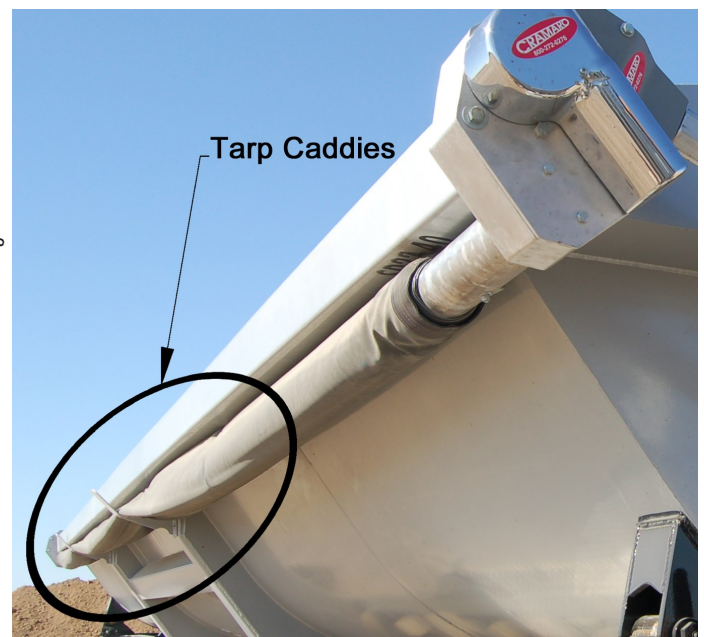
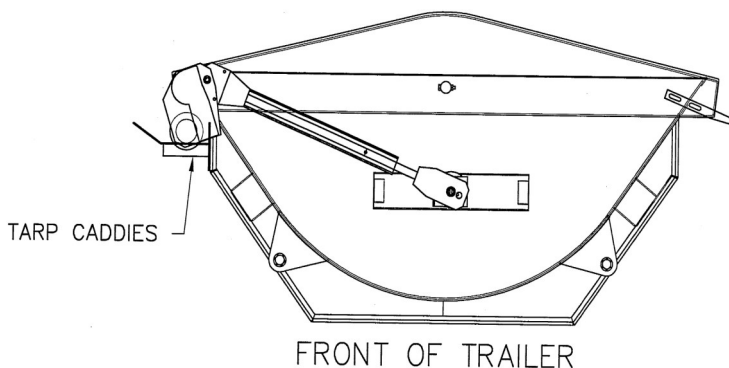
Installation of Tarp Caddies and Guide Bars

With the tarp fully rolled out on the driver's side, run the system in clockwise direction to point of engaging the guide bar. Temporarily clamp the guide bar at the front and rear to test them before bolting them into place. The guide bar radius tip position should be centered to the roller.



Run the system in counter clockwise direction to complete the open position and place the tarp caddies on the passenger side of the trailer lined up with the two 3" seatbelts located in the center section of the tarp, as shown in the position below.

On the front and rear head assemblies, there are tension adjusters that can allow adjustment of the pivot tension. Typically the rear tension is less than the front as there is a weight difference due to the drive system. You will see 4x3/8" bolt holes in an arc. To adjust, make sure the roll pipe is unrolled to the bottom of its width so that there is no tension on the roller and remove the 3/8" bolt. Use a wrench to pivot the spring leg to a lighter or heavier tension. Reinsert bolt and tighten matching the appropriate hole in the leg. Both ends are factory set to center of the arc bolt pattern.



Operating the System

CAUTION: Never dump with the tarp closed.

CAUTION: Release the Cab control switch when the roller has stopped rotating so as not to overload the automatic breaker reset.

CAUTION: Never operate the tarp system when there are overhead obstructions. Keep everyone clear of the area when operating the system.

To cover load: Push and hold the “close” side of the toggle switch. The tarp should fully unwind from the roller and then roll back up until it tucks under the 2 guide bars at the front and rear. Release the switch when the system stops under the bars.

To uncover load: Push and hold the “open” side of the toggle switch. The tarp should roll down away from the guide bars. At its lowest point of travel it will begin to wind onto the roller as it travels up and over the loading area. Release the switch when the system stops and is resting fully open against the containment cradles.

Maintenance

Your Cramaro Wrap N Roll system has been designed to provide you with years of trouble free use. Improper usage or lack of maintenance can cause damage and premature failure. It is important to follow the maintenance schedule and operating instructions.

IMPORTANT: Never use an automatic or air powered grease gun

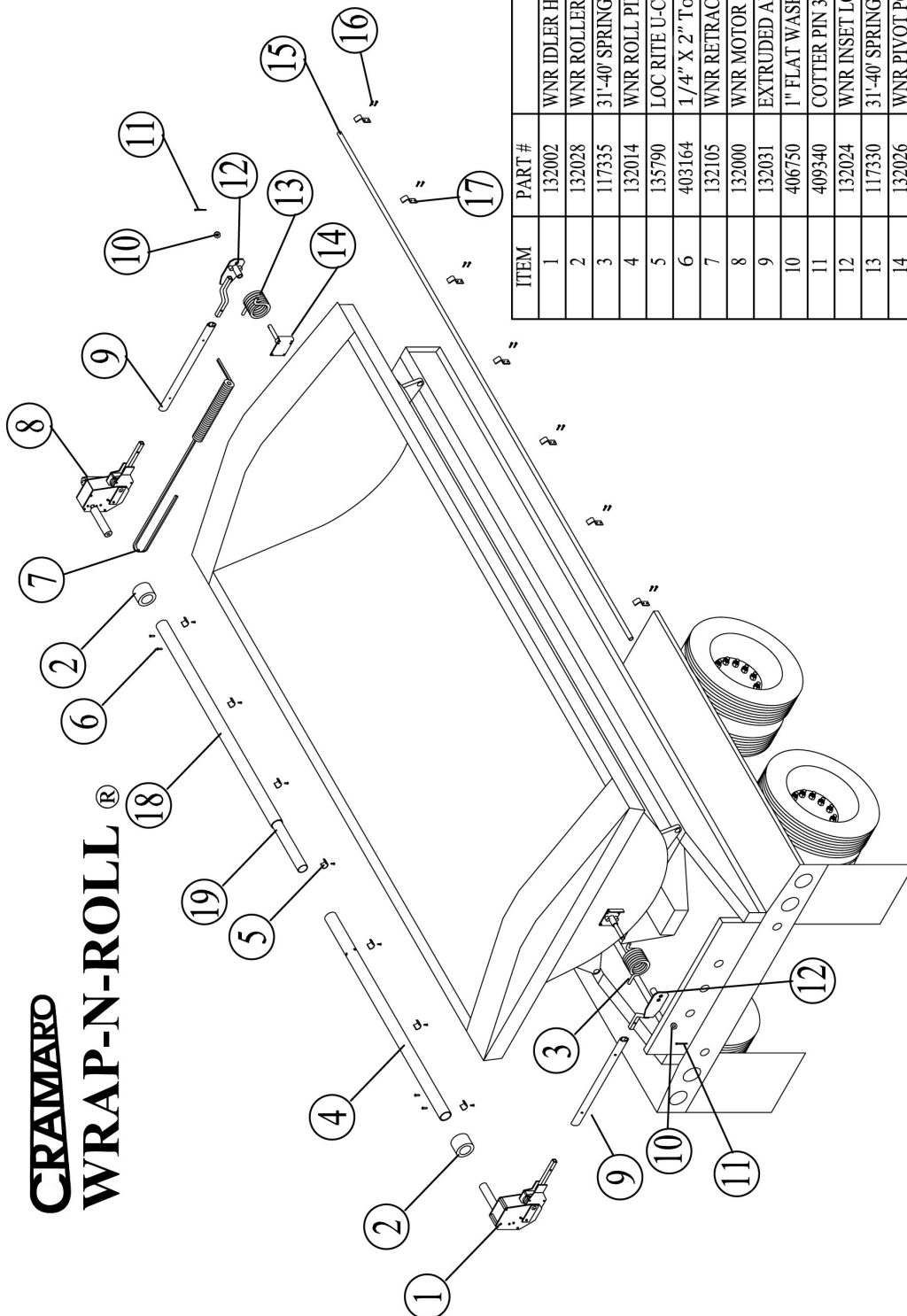
Every three months:

There are 6 bearings that need to be greased and checked every 1-3 months. 2 are inside each of the roller head assembly units. The remaining 2 are at the pivot point pin assembly. To enable the maintenance to be done, bring the roller over to the closed side and let it hang down to the bottom of the tarp. This will release all tension on the pivot springs and make inspection easier. Using a hand operated grease gun you can now grease the roller bearings and inspect the drive chain. Lubricate if needed. 1-3 pumps per bearing should be normal. Too much grease will cause the seal to come off of the bearing. Use caution to not over grease the bearing.

To grease the Pivot Pin and spring assemblies there is an access hole in the outside pivot plate. The grease fitting should be inside the hole about 1” deep.

Disconnect the trailer to tractor electric connections and clean posts and receptacles using a contact cleaner. This is important to provide the proper current level to the electric motor. Failure to do so will cause premature wear to the electric motor.

CRAMARO **WRAP-N-ROLL®**



ITEM	PART #	DESCRIPTION
1	132002	WNR IDLER HEAD
2	132028	WNR ROLLER TUBE RUBBER GRIP
3	117335	31'-40' SPRING 3/4" RH
4	132014	WNR ROLL PIPE ALUMINUM - NO CONNECTOR
5	135790	LOC RITE U-CLAMP NYLON
6	403164	1/4" X 2" Torx
7	132105	WNR RETRACTILE CORD 6 GAUGE
8	132000	WNR MOTOR HEAD
9	132031	EXTRUDED ARM 29 3/4"
10	406750	1" FLAT WASHER USS
11	409340	COTTER PIN 3/8" X 4"
12	132024	WNR INSET LOWER PIVOTING ARM
13	117330	31'-40' SPRING 3/4" LH
14	132026	WNR PIVOT POINT ASSEMBLY
15	137805	PERMANENT PIPE 3/4" X 10' GALVANIZED
16	404310	3/8" X 1" HWH "F" POINT SCREW
17	132030	WNR PERMANENT PIPE HOLD DOWN CLIP
18	132032	WNR ROLL PIPE ALUMINUM WITH CONNECTOR
19	132020	WNR ROLL PIPE CONNECTOR