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**HR1000PP
Tarping System
Installation Manual**



WARNING: In order to prevent damage, the tarp must always be left in the uncovered position when the truck is not in use for a period of more than 2 consecutive hours.



WARNING: All repairs and parts replacement should be undertaken by qualified technicians. The buyer assumes all risks and liabilities arising out of his or her repairs, modifications, or parts replacement on the original product.



WARNING: Inspect the tarp system before each use for fit, wear and damage. Check tarp system at regular intervals during use. Replace parts at first sign of damage or material wear. If you find anything upon inspection that cannot be corrected, do not use as severe injury could result.



WARNING: Do not operate vehicle until you are certain that the tarp system is properly installed and can be safely operated.



WARNING: Do not operate the tarping system while the vehicle is in motion and make sure the vehicle is clear of any obstructions (such as overhead wires).



CAUTION: Any piece of equipment can be dangerous, even deadly, if not used properly. You are responsible for the proper use of this product and the safe operation of any accessories or related equipment and vehicles. Common sense and caution cannot be built into the equipment and must be supplied by the operator.



CAUTION: If for any reason you do not understand all portions of these instructions and warnings, contact the company at the number listed herein for assistance. Do not use, or allow others to use, the tarp system until you (and others) fully understand its operation, these instructions and warnings. Manufacturer assumes no liability or responsibility for injury or damage caused by improper use or failure to read and follow all instructions and warnings.

ATTENTION DISTRIBUTOR: DO NOT DISCARD.

Please give this manual to the customer when the unit is delivered.

INSTALLATION INSTRUCTIONS

READ AND UNDERSTAND THESE INSTRUCTIONS COMPLETELY BEFORE BEGINNING THE INSTALLATION. USE THESE INSTRUCTIONS WITH THE DRAWINGS INCLUDED. UNPACK, IDENTIFY AND FAMILIARIZE YOURSELF WITH THE VARIOUS COMPONENTS OF THE UNIT.

Pick a suitable place on the chassis of the truck directly behind the cab to mount the GANTRY and ROLL BASE ASSEMBLY. Clear away or re-route any hoses, cable, etc. that may interfere with mounting the GANTRY to the chassis. Utilize brackets, etc. that are already bolted to the chassis and then weld a piece of channel or tube to these brackets across the width of the chassis. Mount the gantry on top of this piece. In either case, allow a minimum of 4-5" between the forward portion of the GANTRY LEGS and the rear of the cab. This will provide clearance for the ROLL BASE/HOUSING as it moves up and down. Square the GANTRY to the hoist and level from side to side as well as being plumb vertically. A GOOD WAY TO MAKE CERTAIN THE GANTRY IS SQUARE TO THE HOIST IS TO CLAMP A STRAIGHTEDGE ACROSS THE FRONT OF THE HOIST AND THEN MEASURE FROM THIS TO THE GANTRY LEGS.

If you do need to drill and bolt into the chassis rails, **DO NOT DRILL INTO THE CHASSIS FLANGE OR ANY CLOSER TO THE FLANGE THAN THE TRUCK MANUFACTURER DID.**

Once the GANTRY is located and welded securely at the bottom, add front to rear gussets to stabilize the GANTRY and strengthen the mounting.

Place the ROLL BASE on top of the GANTRY and install using -4- 1/2-13 hex nuts and lock washers provided. Install the cylinder onto the clevis eye pads on the GANTRY and ROLL BASE using the clevis pins and cotters provided. Make sure the radiused edge of the ROLL BASE is facing the rear of the truck.

NOTE: THE PORTS ON THE CYLINDER SHOULD FACE TO THE LEFT OR DRIVERS SIDE WHEN VIEWED FROM THE REAR.

The exhaust stack may interfere with the ROLL BASE as it travels upward, correct as necessary by installing elbows etc. into the stack.

Place the entire ROLLER/HOUSING ASSEMBLY on top of the ROLL BASE and center. Attach the -2- mounting angles to the outside of the housing using the 3/8 hardware provided, putting the bolt heads on the inside of the housing. Center the housing on top of the roll base and weld the mounting angles to the roll base.

NOTE: THE HOUSING AND ROLLER ASSEMBLY ARE SHIPPED PRE ASSEMBLED FROM THE FACTORY WITH THE TARP AND REAR SECTION INSTALLED and THE ROLLER ALREADY LOADED.

Pick a suitable place on the drivers' side of the truck and install the power pack vertically. Make the hydraulic connections to the gantry lift cylinder and make the electrical connections from the power pack to the battery (12 volts D.C.) Positive (+) from the solenoid to the positive (+) side of the battery and negative (-) from the base plate to the negative (-) side of the battery.

Fill the power pack with Dexron ATF and operate the valve so the gantry goes up and down smoothly. You may have to do this a few times in order to bleed all the air from the cylinder and hydraulic lines.

Put a typical container on the truck.

Attach the Pull Rope with the Snap Hook to the Eye Bolt on the Rear Section and pull the tarp out over the container. Tie off the pull rope to the rear of the container.

Install on each end of the Rear Section in the following sequence: (see detail on Installation Dwg.)

- 1- G 504 Shaft Collar
- 1- G 616 Roller (may have to be trimmed, should be approx. 1/2" longer than width of top rail).
- 1- G 503 Guide Washer
- 1- G 504 Shaft Collar

Align these pieces on the Rear Section so the G 503 Guide Washer is on the outside of the container and the rollers line up with the top rail. Trim the rear section if necessary.

The roller as shipped from the factory already has 25 winds on the roller, which should be adequate to roll the tarp up properly.

If the tarp does not wind up fully you can add more winds to the roller as follows: Install the HR4780 winding disk on the drivers' side of the roller shaft. Loosen the setscrew on the right side collar. Holding onto the winding disk securely, carefully remove the 5/16 Bolt and Nut from the left side shaft collar. Turn the disk **CLOCKWISE** as viewed from the drivers' side 2-3 revolutions and re-insert the bolt, attach the locknut and tighten. **DO NOT EXCEED 35 WINDS.**

Tighten the setscrew in the shaft collar on the right side of the housing and remove the disk. Store the winding disk in a secure location.

REMEMBER: ADDING MORE WINDS WILL MAKE IT HARDER TO PULL THE TARP OVER THE LOAD. YOU ONLY WANT ENOUGH TENSION ON THE ROLLER TO SMOOTHLY WIND THE TARP ONTO THE ROLLER

Install the rope hooks close to or on the gantry to store the rope when the tarp is not being used.

TO COVER

1. Untie the Pull Rope from the Rope Hooks on the side of the truck.
2. Raise the gantry to clear the load.
3. Walk the Pull Rope to the rear of the truck and flip over the container.
4. Pull the tarp out over the container, keeping a firm grip on the rope at all times.
5. Secure the Pull Rope to the Container and tie securely.
6. Lower the gantry down all the way.

TO UNCOVER

1. Raise the gantry up to clear the load.
2. Untie the Pull Rope from the Container.
3. Slowly allow the Pull Rope to slide through your hands, allowing the tarp to roll onto the roller.
4. Lower the gantry to its rest position.
5. Store the Pull Rope on the Rope Hooks on the side of the truck. Fasten securely.

CAUTION: TO PREVENT DAMAGE TO THE TARPING SYSTEM, BE SURE TO UNCOVER THE LOAD BEFORE DUMPING OR EMPTYING THE BODY.