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Model E600 Tarping System

Installation Instructions



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.

Read and understand these instructions completely before starting.

Use these instructions with the drawings included to install your system.

These instructions cover the standard unit as well as the optional housing.

NOTE: In order to ensure proper operation of this system, water that may collect in the air tank (s) must be drained daily. If water collects in the system and freezes in cold weather, the system could stop working and may cause damage to the components.

NOTE: Because there is a lot of work to be done underneath the body, it is typically much easier to install this system prior to mounting the body onto the truck. When working underneath the body, make sure the body is safely and securely supported.

NOTE: Installation of this system should be performed by a skilled installer who is familiar with safe tarp operation and mechanics.

NOTE: Please be aware that there may be updates and/or modifications to this system, its component parts, and its use. This is strictly a guide to help with the proper installation and use of this system.

NOTE: You should become familiar with all applicable federal, state, and local laws, rules, and regulations (including, but not limited to, department of transportation regulations) regarding the installation and use of these types of systems.

NOTE: The housing is telescopic from 83" to 97" when the slots are used, but can be made smaller by removing the bolts and drilling new holes. The spring loaded roller assembly (g 605) is telescopic from 82" to 95" as shipped from the factory, but can be collapsed down to 75.5" by cutting the right side roller tube.

INSTALLATION INSTRUCTIONS

1. LOCATING AND INSTALLING THE HOUSING

The Housing and Roller are shipped from the factory pre-assembled for ease in installation.

Pick a suitable place on the front of the body to mount the Housing and Roller Assembly. It should be placed as far forward as possible to allow complete access to the body and far enough back so the Rear Section (G 627) will come into contact with the housing when the tarp is fully rolled onto the roller. The housing width should be as least as wide as or wider than the outside of the body. A determining factor is the width of the tarp that was ordered with the system. The housing must be wide enough for the tarp to roll into the housing without rubbing on the ends of the housing.

A pair of Roll Mounting Angles (G 2005) is provided to help in attaching the housing to the body. These are intended to be welded to the body and then have the housing bolted to them. These may be mounted on the inside or the outside of the housing (If they are mounted on the inside, the front corner will have to be trimmed). Install the Roll Mounting Angles to the Housing Assembly using the hardware provided (bolt heads on the inside, nuts on the outside).

Position the Housing on the body in the proper location making sure it is square to the body.

Adjust the housing width and securely tighten the fasteners that hold the housing together. Weld the Roll Mounting Angles to the body.

2. ADJUSTING THE ROLLER WIDTH

If the width of your Housing Assembly falls into the 83” to 97” range, the Roller (G605) width is easily adjustable.

Loosen the setscrews in the bearing on the right side of the roller. Remove the sheet metal screws that hold the roller tubes to the center section. Slide the right side of the roller (tube and bearing) toward the right side of the housing. Stop when the bearing is 1/8” away from the right side of the housing. Tighten the setscrews on the bearing to lock the right side in place. Locate the center section so it is centered between the roll halves (the center is marked with a black line). Drill -2- 1/8 “ holes into the Center Section using the Sheet Metal Screw holes in the Outer Tubes as a guide. Re-install the Sheet Metal Screws into the Roller to hold everything in place. Cut off the excess shaft leaving approximately 1” protruding past the end of the collar on the right side.

3. BODY MODIFICATIONS

It may be necessary to build up or modify the sides of the body to allow the Rear Section and Rollers to roll smoothly from the housing along the top rail of the body and over the tailgate to the Tailgate Hooks. This can be done using wood or steel to raise the sides to match the front and rear or to act as ramps for moving over obstacles such as tailgate hinges.

4. INSTALLING THE TARP AND REAR SECTION

STANDARD TARP - Install the tarp onto the Roller Assembly by sliding the plastic slide strip into the groove on the Roller Assembly. Center the tarp on the roller and spread the tarp out over the body to the rear.

OPTIONAL TARPS - Optional tarps (HD Mesh, HD Asphalt both rectangular and expandable) do not have slide strips on the front. These will have to be attached to the roller tube using -5- ¼ x 1 ¼ Fender Washers and -5- # 12 x 5/8 Sheet Metal Screws (not provided). **DO NOT USE ANY SCREWS LONGER THAN SPECIFIED AS THIS WILL INTERFERE WITH THE INTERNAL SPRING.**

Note: When using an expandable tarp, the shock cords must be on the top.

OPTIONAL EXPANDABLE TARPS TYING & ADJUSTING THE SHOCK CORDS

The shock cords on the top of the cover are designed to fold the cover upward and inward so that the 9' wide cover will roll up between the bearing plates on a narrower cab protector. This is accomplished by firmly tying one end of the shock cord to a loop on one side of the cover and then passing the other end of the shock cord through the loop in the center of the cover towards the other side and stretching the shock cord so that it pulls the cover up and in. The amount of tension applied to the shock cord will vary depending on how narrow the cab shield is. Tie a secure knot in the loose end of the shock cord when a satisfactory amount of tension has been applied to cause the cover to wind properly. The best test for this is to check the cover while it is being wound on the roller. The cover should not "bunch up" and/or rub on the bearing plates nor should it pull in too far away from the bearing plates. Shock cords that are too tight are as bad as those that are too loose. Be patient, they may have to be adjusted a couple of times in order to get them right. Make sure that the first couple of winds that go onto the roller are smooth and even. If not, then the cover will wind up faster on one side than the other because of the extra material which gives a larger circumference to the roller.

NOTE: REMOVE ANY AND ALL SHARP EDGES OR CORNERS ON THE TOP OF THE BODY THAT THE COVER MAY COME IN CONTACT WITH. PAY PARTICULAR ATTENTION TO THE TAILGATE PORTION OF THE BODY AS

WELL AS THE CAB SHIELD PORTION. FAILURE TO REMOVE THESE SHARP AREAS WILL RESULT IN COVERS BECOMING CUT AND FAILING AS THEY COME INTO CONTACT WITH

Measure the outside width of the body at the top rear and top front. Add 4” to the wider of the two measurements and cut the Rear Section (G 627) to length. Trim the excess from the threaded end. Find the Center of the Rear Section and mark. Slide -1- G 504 Shaft Collar onto the Rear Section and secure in position at the center of the Rear Section. Find the Center of the Tarp at the rear pocket and mark. Insert the Rear Section into the pocket at the rear of the tarp. Line up the center mark on the tarp with the collar on the rear section. Using a sharp knife make a small slit in the tarp so you can see the setscrew in the collar. Holding the tarp and rear section in position, remove the setscrew and install -1- G 625 Eye Bolt into the Shaft Collar. Tighten the eye bolt to secure the shaft collar in place and tighten the locknut.

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 body and the rollers line up with the top rail.

Center the Rear Section on the Tailgate of the truck approximately 4” down from the top of the tailgate. Locate -2- G 622 Tailgate Hooks so the hook portion faces down and the Roller Portion of the Rear Section engages with the hook. Weld in place making sure they are even to the top rear corners of the tailgate on both sides.

Install -2- Rope Hooks on the tailgate of the truck by welding and install -2- more Tailgate Hooks on the drivers' side of the body, near the Roller Assembly for rope storage.

Attach the Pull Rope with a Snap Hook to the Eye Bolt on the Rear Section. Hook the Rear Section under the Tailgate Hooks and tie the rope off to the rope hooks.

5. LOADING THE SPRING LOADED ROLLER ASSEMBLY



**AVOID ABRAISON BURNS. WEAR GLOVES
(Label Part No. CDWHEEL-ANSI)**

Install the A2205-1 Wheel on the drivers' side of the roller shaft. Remove the 5/16 Bolt and Nut from the left side shaft collar. Make sure the setscrew on the right side collar is loose. Turn the Wheel CLOCKWISE as viewed from the drivers' side 25 revolutions and re-insert the bolt, attach the locknut and tighten. This amount of winds should work well on bodies up to 19' in length. If more tension is needed, because of a different tarp, add 2-3 winds at a time until you are satisfied with the way the tarp winds up. **DO NOT EXCEED 35 WINDS.**

Tighten the setscrew in the shaft collar on the right side of the housing.

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

NOTE: OPTIONAL EXPANDABLE TARPS WILL REQUIRE 3-5 MORE WINDS ON THE SPRING.

Go to the Rear of the truck, untie the rope from the rope hooks and pull down and out to unhook the Rear Section from the Tailgate Hooks. Slowly release the rope to let the tarp wind onto the roller. Try a couple of times to make sure the tarp winds properly and there is adequate tension on the spring. Remove the Wheel and store in a safe place in the cab.

6. OPERATING THE SYSTEM

TO COVER



**AVOID ENTANGLEMENT & ABRAISON BURNS
DO NOT WRAP ROPE AROUND HAND
ALWAYS WEAR GLOVES
(Label Part No. CDANSI-ROPE)**

1. Untie the Pull Rope from the Rope Hooks on the side of the body.
2. Walk the Pull Rope to the rear of the body and flip over the tailgate.
3. Pull the tarp out over the body and hook the Rear Section under the Tailgate Hooks keeping a firm grip on the rope at all times.
4. Secure the Pull Rope to the Rope Hooks and tie securely.

TO UNCOVER



**AVOID ENTANGLEMENT & ABRAISON BURNS
DO NOT WRAP ROPE AROUND HAND
ALWAYS WEAR GLOVES
(Label Part No. CDANSI-ROPE)**

1. Untie the Pull Rope from the Rope Hooks.
2. Pull down and out to unhook the Rear Section from the Tailgate Hooks, keeping a firm grip on the rope at all times.
3. Slowly allow the Pull Rope to slide through your hands, allowing the tarp to roll onto the roller.
4. Store the Pull Rope on the Rope Hooks on the front side of the body. Fasten securely.

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

SPECIAL NOTE

NOT MANUFACTURED OR INTENDED FOR USE WITH HAZARDOUS WASTE

LIMITED WARRANTY

Pioneer Cover-all (“Seller”) warrants its products to be free from proven defects in materials and workmanship under intended normal use as described in the Instruction Manual for a period of one (1) year from the original date of purchase.

Seller’s obligation under this Limited Warranty is limited to the repair or replacement of any defective product and does not include freight, labor charges or lost time due to or in connection with the failure of any defective part. Any product will be repaired or replaced (at Seller’s election) under the conditions of this Limited Warranty at Seller’s expense when Seller has authorized a return and determined, in its sole discretion, that the product is defective.

The following are not covered by this Limited Warranty:

1. Any failure of the product or any parts of the product due to misuse, accident, neglect, abuse, improper maintenance, improper handling, improper installation, alteration, modification or acts of God including, but not limited to, lightning strikes, floods, fire or other causes beyond the reasonable control of the Seller.
2. Products that have been modified or that have serial numbers that have been removed, altered or defaced; and
3. The fabric tarp.

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

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