

PIONEER CONSOLIDATED CORP.

INSTALLATION

OPERATION

MAINTENANCE

MANUAL

FOR

MODEL HR 1500 PTO

AUTOMATIC COVERING SYSTEM

ATTENTION DISTRIBUTOR: DO NOT DISCARD.
PLEASE GIVE THIS MANUAL TO THE CUSTOMER
WHEN THE UNIT IS DELIVERED.

1. OPERATING THE UNIT

The controls used to operate this unit are a VALVE Labeled COVER-UNCOVER which controls the arms and cover, and a VALVE labeled UP-DOWN which controls the vertical motion of the Gantry.

TO COVER THE CONTAINER:

1. Make sure the truck is clear of overhead wires.
2. Make sure that there is nobody in the container or in the path of the arms.
3. Move the arms upward from the roll approximately 2-3 feet by using the Cover-Uncover Valve.
4. Raise the Gantry to its maximum height using the Up-Down Valve.
5. Load the container onto the truck.
6. Move the arms to the rear of the container to cover the load. Release the valve when the rear section is firmly seated on the rear of the container.
7. Lower the Gantry so that the top of the windscreen is even with the top of the container. This stretches the cover taut, preventing wind from getting under the cover and the bellowing and whipping that may occur.

TO UNCOVER THE CONTAINER

1. Make sure that the truck is clear of overhead wires.
2. Make sure that nobody is in the container or in the path of the arms.
3. Raise the Gantry up to its maximum height.
4. Using the Uncover valve, move the arms to the front of the truck stopping 4-6 feet from the roll.
5. Unload the container from the truck.
6. Lower the Gantry to its rest/travel position.
7. Wind the cover onto the roller and release the valve when the Arms and Bows contact the Bearing Plates.

MAINTENANCE TIPS

1. Keep the torsion spring at the base of the arms free from debris.
2. Periodically apply a spray lubricant such as WD-40 to the bearings.
3. Replace any worn or broken parts immediately.
4. Check all fittings and connections weekly. Correct as required.
5. Grease telescopic Gantry legs weekly.

TIPS FOR THE OPERATOR

1. Make sure the truck is clear of overhead obstructions before operating the unit.
2. Do not operate under any overhead wires.
3. Keep Hands clear of any moving parts.
4. Make sure nobody is inside the container, or in the path of the arms before operating the unit.
5. Pay attention to safety decals.
6. Release the valve as soon as the Rear Section contacts the rear of the container, or when the Arms are seated on the Bearing plates.
7. Release the valve when the Gantry has been fully extended or retracted.

SPECIAL NOTE

NOT MANUFACTURED OR INTENDED FOR USE WITH HAZARDOUS WASTE

Pioneer Consolodated Corporation will not be held responsible for damages to, or caused by their container covering systems when they have not been installed or used in the manner prescribed in this manual.

Any modifications to the unit or deviations from the procedures outlined in this manual must be authorized in writing by Pioneer Consolodated Corp.

2. INSTALLING THE COVER

- A. Remove the Rear Section (H 7037) from -1- Bow to allow the cover to be slid over. Unfold the cover and find the rear boot (pocket). Slide the cover onto the Rear Section making sure that the bows go inside the Rear Section as previously described. Fasten the Rear Section to the Bows by drilling a ¼" hole thru the Rear Section and Bow approximately 3" in from the end of the Rear Section on each side. Insert -1- ¼" Cotter Pin (provided) thru each hole and open fully. Attach one end of -1- Cover Spring (G 2014) to the eye portion of the cotter pin and attach the other end of the cover spring to the grommet on the rear corner of the cover on each side.
- B. Attach the cover to the roll using -5- sheet metal screws and fender washers (provided) as follows:
Wrap the cover ¾ of the way around the roller in a clockwise manner as viewed from the drivers side. Center the cover on the roller and the attach the cover to the roller, starting in the middle and working out to the left and right. Make sure that the cover is straight on the roller and that the fender washers are firmly in place over the grommets.

3. TYING THE COVER SHOCK CORDS (EXPANDABLE TARP ONLY.)

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 the roll assembly. This is accomplished by firmly tying one end of the shock cord to the a loop on one side of the cover and then passing the other end of the shock cord thru the loop in the center of the cover towards the other side and stretching the shock cord so that pulls the cover up and in. It is only necessary to put enough tension on the shock cords so that the sides of the cover do not rub on the bearing plates when the cover is being wound onto the roller. Pass the shock cord thru the loop on the other side of the cover and tie a knot securely when adequate tension has been achieved. The best test for the proper amount of tension, 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 edges of the container. Shock cords that are tight are as bad as those that are too loose. Be patient, they may have to be adjusted a couple times in order to get them right. Make sure that the first couple of winds that go onto the roller are smooth and square. If not, the cover will wind up faster on one side than the other, causing the arms to go out of synchronization because of the extra material, which makes a larger circumference to that side of the roller.