



INSTALLATION

OPERATION

MAINTENANCE

MANUAL

FOR

MODEL RP4500SARG “RACK ‘N PINION - STRONG ARM”

ROLLMASTER w/ GANTRY

ATTENTION DISTRIBUTOR: DO NOT DISCARD

**PLEASE GIVE THIS MANUAL & DRAWINGS TO THE
CUSTOMER WHEN THE UNIT IS DELIVERED.**

RP 4500SARG RACK 'N PINION ROLLMASTER w/ GANTRY

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. **REPLACE ALL WARNING LABELS WHEN THEY BECOME UNREADABLE**

THIS SYSTEM IS DESIGNED TO BE USED WITH CONTAINERS THAT ARE THE SAME LENGTH, BUT HAVE DIFFERENT SIDE HEIGHTS. VARIOUS LENGTH CONTAINERS MAY BE USED WITH THIS SYSTEM AS LONG AS THE REAR OF ALL THE CONTAINERS ENDS UP IN THE SAME PLACE ON TRUCK. SHORT STOPS OR THE LIKE MAY HAVE TO BE USED IF THIS SITUATION EXISTS.

PRIOR TO INSTALLING THE FLOW DIVERTER AND COVER CONTROL VALVE INTO YOUR TRUCKS HYDRAULIC SYSTEM, WE RECOMMEND THAT YOU CHECK WITH THE HOIST MANUFACTURER FOR POSSIBLE WARRANTY IMPLICATIONS.

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MAINTENANCE TIPS

Check all fittings and connections weekly. Correct as necessary
Grease Arm Pivot Pins & Lubricate Gantry Legs weekly.
Lubricate Telescopic Extensions weekly
Spray lube the Rack & Pinion Gears weekly.
The Relief Valves (2) may have to be re-adjusted.
Replace/Repair any broken/worn parts immediately.

TIPS FOR THE OPERATOR


DO NOT OVERHANG THE ROLLER /STABILIZER BAR PAST THE END OF THE CONTAINER. THE STABILIZER BAR IS DESIGNED TO REST ON THE TOP REAR OF THE CONTAINER ONLY.

WARNING: OVERSHOOTING THE CONTAINER AND RETRACTING THE ARMS, CAUSES THE ARMS TO BE UNSUPPORTED, WHICH WILL CAUSE DAMAGE TO THE ARMS AND PIVOT MECHANISM.

OPERATE THE ENGINE AT LOW RPM'S ONLY.

 **WARNING** DO NOT operate under or near overhead wires.

 **WARNING** Keep clear of moving parts.

 **WARNING** Make sure that nobody is on or around the container when the unit is in operation.

If the Arms stop while in motion, they have probably come into contact with an obstruction (this shows that the relief valve is working properly). Return the arms to their original position, clear the obstruction and re-activate the unit.

OPERATING THE UNIT

GENERAL

THERE IS A CROSS OVER RELIEF VALVE BUILT INTO THE FLOW DIVIDER / COMBINERS. THIS CROSS OVER RELIEF ALLOWS THE CYLINDERS TO RE-SYNCHRONIZE AT THE END OF STROKE OR WHEN THEY COME IN CONTACT WITH A STOP. (i.e. Top Rear of Container or Roll Rest)


In order for this valve to function properly and keep the arms and extensions moving together, the operator MUST:

Extend the telescopic arms all the way out, hold the valve handle for a few seconds and then retract, or retract them all the way in, hold the valve handle for a few seconds and then extend out.

When covering, move the arms so the stabilizer bar rests on the top rear of the container. Hold the valve handle for a few seconds to re-synchronize the arms. When uncovering, move the arms to the front so the roller sits in the roll rest. Hold the valve handle for a few seconds to re-synchronize the arms.

FAILURE TO FOLLOW THIS PROCEDURE MAY RESULT IN ARMS NOT MOVING TOGETHER AND POSSIBLE DAMAGE TO THE SYSTEM.

TO COVER

-  **WARNING**
1. Make sure that nobody is on or around the container.
 2. Make sure the truck is clear of overhead wires.
 3. Move the arms upward to clear the Roll Base/Rest and cab.
 4. Adjust the telescopic arms in or out to clear the front corner of the container.
 5. Raise the Gantry up until the Roll Base/Rest is even to or above the front of the container.
 6. Move the arms to the rear of the container to cover the load, stopping approximately 1foot away from the rear of the container.
 6. Adjust the telescopic end in or out so the **stabilizer bar** aligns with the top rear

- of the container.
7. Move the arms all the way down so the stabilizer bar sits on top of the container.
 8. Lower the Gantry, so the Roll Base/Rest is 12-14" below the top front of the container.

TO UNCOVER



1. Make sure that nobody is on or around the container.
2. Make sure the truck is clear of overhead wires.
3. Raise the gantry up until the Roll Base/Rest is even with or above the front of the container.
4. Move the arms to the front of the truck, stopping 2-3 feet from the top front of the container.
5. Adjust the telescopic arms in or out to clear the top front corner of the container.
6. Lower the Gantry all the way down.
7. Lower the arms to approximately 1-2 feet from the Roll Base/Rest or cab.
8. Adjust the telescopic end in or out so the roller aligns with the Roll Base/Rest.
9. Lower the arms all the way down so the roller sits in the Roll Base/Rest.

SPECIAL NOTE

NOT MANUFACTURED OR INTENDED FOR USE WITH HAZARDOUS WASTE

SPECIAL NOTE

Pioneer, A Wastequip Co. will not be held responsible for damages to or caused by this automatic container covering system when it has not been used or installed in the manner prescribed in this manual. Any modifications to the system or deviations from the procedure outlined in this manual must be authorized in writing by Pioneer, A Wastequip Co.

WARRANTY

Pioneer, A Wastequip Co warrants its RP4500SARG covering system for a period of twelve(12) months against proven defective parts and workmanship. Excluded from this warranty is the fabric tarp. This warranty does not include damage to the unit caused by improper use, improper installation or lack of maintenance. Our liability is limited to the replacement of proven defective parts and does not include freight, labor or lost time due to or in connection with the failure of the parts. Any part will be replaced under the conditions of this warranty when Pioneer, A Wastequip Co has authorized a return and has received satisfactory evidence that the part(s) is(are) defective.

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