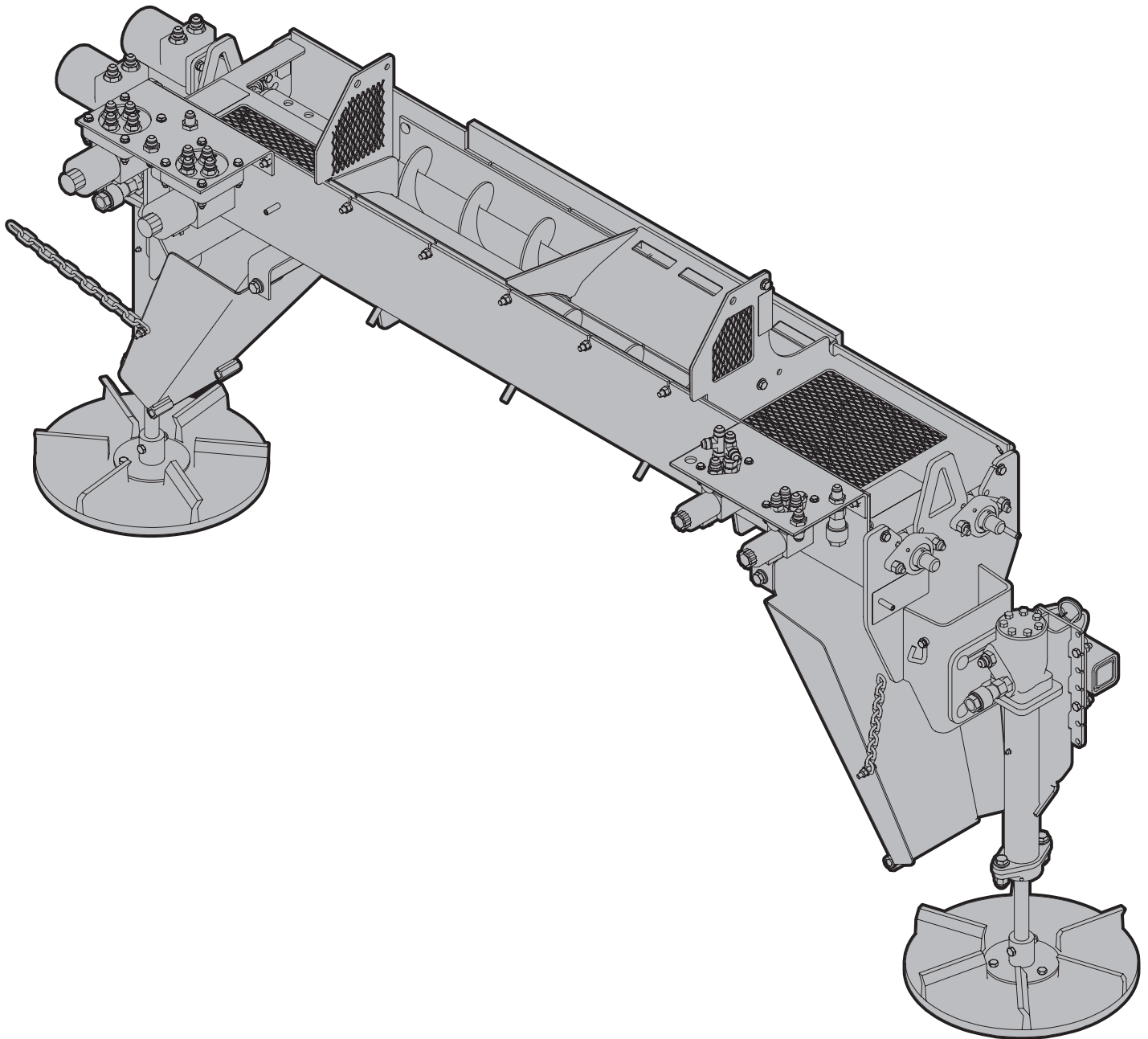


# Owner's Manual

## VCL Dual Auger Cross Conveyor



# Introduction

## VCL Dual Auger Cross Conveyor

Congratulations and thank you for your purchase of new Viking-Cives Snow & Ice Control equipment. This manual has been created to provide you with installation, set-up, operation and maintenance information for the Viking-Cives VCL Dual Auger Cross Conveyor. It has been prepared to familiarize you or any other person who will be assembling, operating, maintaining, or working with this product. This manual will describe the design features of this product and instruct you on the recommended operation and maintenance of this product.

Read this manual carefully before you operate or service your VCL Dual Auger Cross Conveyor. Remember that you're working with heavy equipment that can injure you or someone else. You can help lessen the chance of injury by following the procedures in this manual, carefully.



**DANGER! If incorrectly used, this equipment can cause severe injury.** Your chance of injury can be greatly reduced by following all safety decal notifications. All decals must be kept clean and complete. Replace any decals that are unreadable. Decals may be purchased directly from Viking-Cives Group and/or you're nearest authorized dealer.

All Operator/Service people should review this manual carefully and become familiar with its contents. If anyone else beside you operates or services this equipment, make sure they read this manual and are instructed to follow all the safety procedures related to this equipment. Keep this manual available for reference whenever this product is being handled or used. Provide this manual to any new owners and/or operators.

# Installation

## To Connect To Prime Mover

The VCL Dual Auger Cross Conveyor has been design to be easily installed and removed from the chassis of the prime mover. For summer use, the dual auger cross conveyor can be removed to reduce weight. The below instructions will explain how to install and remove the dual auger cross conveyor.

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## Installation

1. With the prime mover on level ground, mark out the location where the dual auger cross conveyor will be installed on the chassis. This location will vary depending on the spreader body installed/being installed on the prime mover. Generally, the center of the dual auger cross conveyor will be installed just ahead of the end of the spreader body floor. This location should allow material to pile up in the center of the cross conveyor, without spilling over the front or the back of the cross conveyor.

**NOTE:** Contact Viking-Cives Group or your nearest dealer for standard layout dimensions for VCL Dual Auger Cross Conveyors being installed with a Viking-Cives spreader body.

2. If the spreader body has already been installed, lift the hoist of the spreader body if applicable, and use a dump body safety prop to securely hold the body up. Turn off the prime mover.
  3. Relocate any interferences on the chassis frames that would prevent or hinder the installation or operation of the dual auger cross conveyor.
  4. On the bottom of the cross conveyor is an adjustable mounting bracket. Temporarily, adjust this bracket to the largest frame opening. Set the cross conveyor on the frame of the chassis and move the pre-marked location. Move the cross conveyor so the stationary mounting bracket is tight against the chassis and adjust the adjustable mounting bracket so it is tight against the chassis.
  5. Mark the location of the mounting holes and drill through the chassis frame. **CAUTION!** Verify that no items are routed along the chassis frames where you will be drilling.
  6. Bolt the cross conveyor to the prime mover frame using 1/2" grade 8 hardware. The cross conveyor should now be securely attached to the chassis.
  7. Connect the hydraulic and electrical controls to the cross conveyor based on the hydraulic and electrical schematics provided in later sections of this manual. These schematics are generic and may differ slightly depending on the equipment installed/being installed on the prime mover.
  8. Once completely installed, test the units functionality without material first, and then again with material to ensure everything is operating as expected. Contact Viking-Cives Group or your nearest dealer if have any questions.
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## Removal

1. With the prime mover on level ground, raise the dump body, if applicable and secure with a dump body safety prop. Turn off the prime mover.
2. Disconnect the hydraulics for the spinner and the conveyor motor and loop together or plug all hoses and ports to prevent contamination.
3. Unbolt the hardware on the dual auger cross conveyor mounts from the prime mover chassis.
4. Lift the dual auger cross conveyor off of the prime mover and store safely. Before reinstalling, it is advisable to perform the maintenance steps listed later in this section.

# Operation

When all conditions of installation have been met, the VLC Dual Auger Cross Conveyor is ready to operate.

## To Operate

The dual auger cross conveyor is controlled and run by the spreader control system. The speed of the conveyor is determined by the spread rates programmed into the spreader control system. Hydraulically, the dual auger cross conveyor is run by the spreader control valve and is tied into the spreader body hydraulics. Generally, the spreader body must be running to run the dual auger cross conveyor.

## To Reverse Auger Direction

Some configurations of the dual auger cross conveyor are setup to run to either the driver side or the curb side or both sides of the truck. This is generally controlled by an electric switch in the cab of the truck, which in turn controls an electric solenoid.

## To Reverse Spinner Direction

Some configurations of the dual auger cross conveyor are setup to run the spinners clockwise or counterclockwise to change spread patterns. This is generally controlled by an electric switch in the cab of the truck, which in turn controls an electric solenoid. With the switch in one position, the spinner will turn clockwise. With the switch in the opposite position, the spinner will turn counterclockwise.

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## Maintenance

In preparation for the snowplowing season and after every eight (8) hours of operation, a visual equipment inspection should be performed. Look for any damaged components, bends, cracked welds, hydraulic leaks, etc. Inspect all fasteners; tighten any that have loosened and replace any that are damaged. Check all hydraulic hoses for cuts, cracks and/or leaks. Check that all bearings are in proper working order. Verify that all safety decals are present. Replace any items that are damaged, or decals that are missing or damaged immediately.

After a visual inspection, complete the following maintenance:

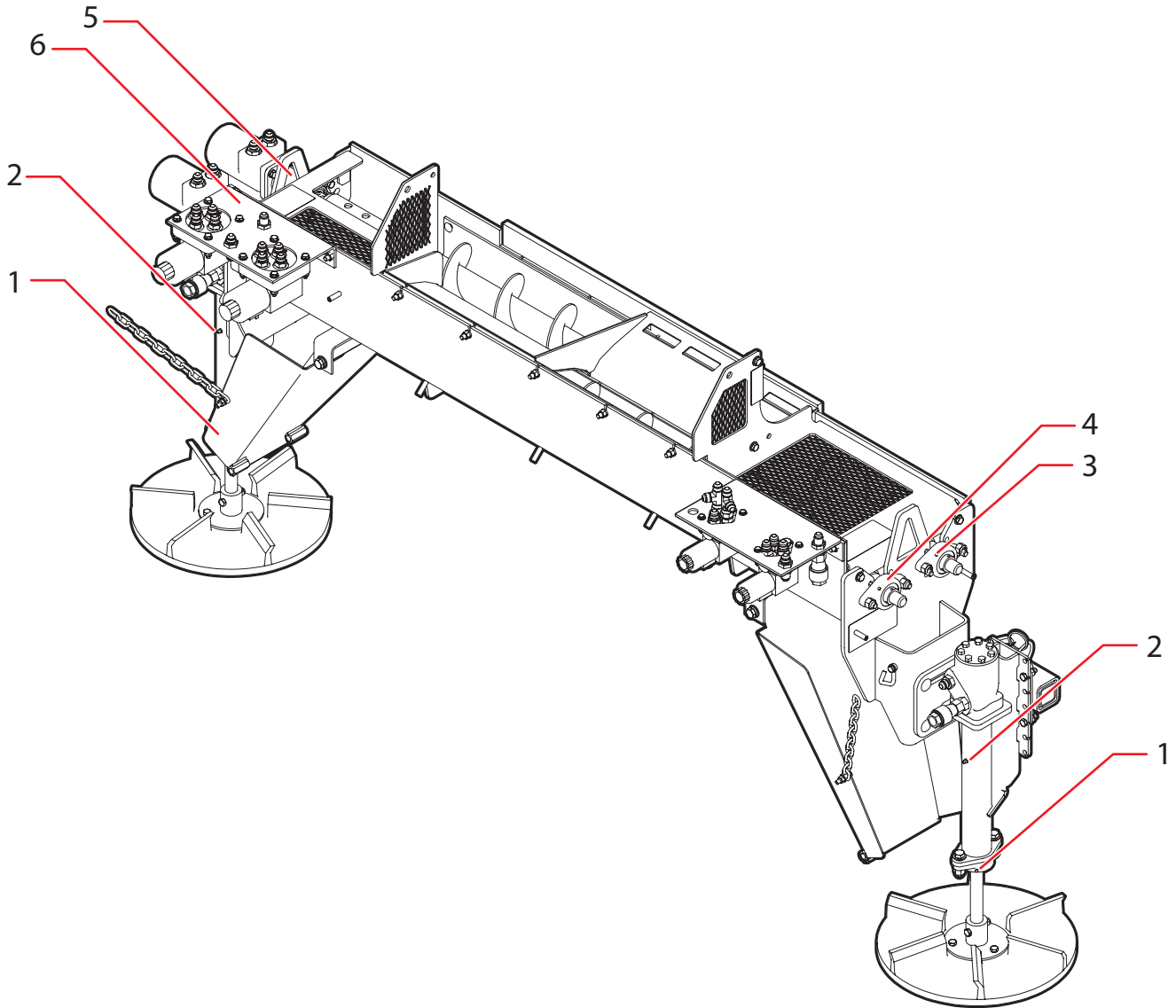
- Grease all bearings on the cross conveyor and spinner assemblies. See the following diagram for grease fitting locations.
- With the truck off, pressure wash the conveyor to remove all built up spreading material. It is especially important remove the material from the inside ends around the bearings of each end of the conveyor.

## Dual Auger Cross Conveyor Grease Fitting Locations

Item ID	Location	QTY
1	SPINNER ASSEMBLY BOTTOM BEARING	2
2	SPINNER ASSEMBLY TUBE	2
3	DRIVERS SIDE FRONT AUGER BEARING	1
4	DRIVERS SIDE REAR AUGER BEARING	1
5	CURB SIDE FRONT MOTOR BEARING	1
6	CURB SIDE REAR MOTOR BEARING	1

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# Dual Auger Cross Conveyor Grease Fitting Locations





SPINNER STANDARDS

