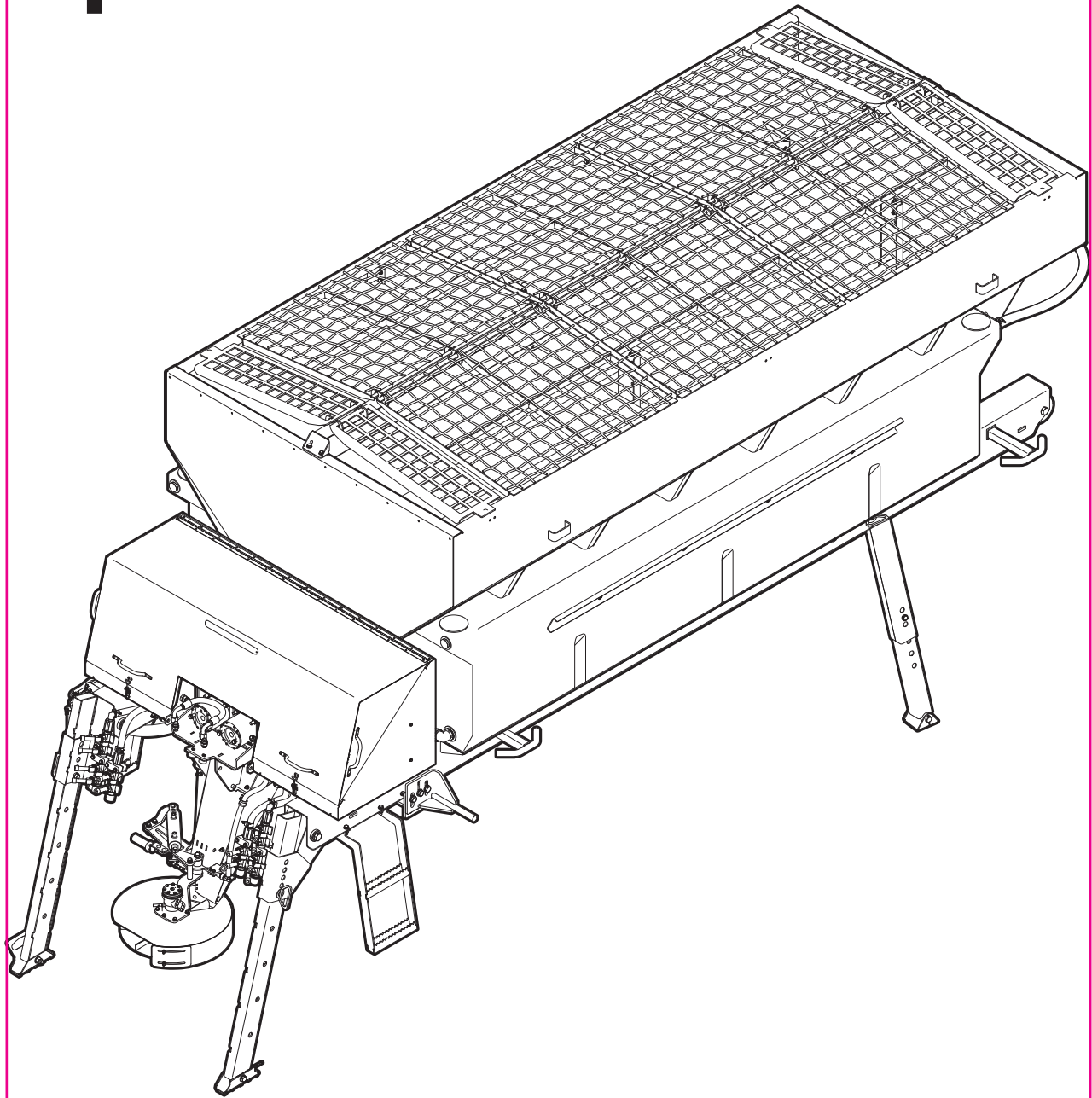


Viking-Cives CONQUEST Spreader



Introduction

The conquest spreader is a slide-in unit that converts any conventional contractor body into a sand/salt and liquid application unit for winter road maintenance.

The leg stand assembly allows the spreader to easily slide in and out of the body without the use of cranes or other lifting devices. When the spreader is removed from the dump body, the leg stand will keep the unit off the ground during the off season, limiting its deterioration from the elements, and keeping it at the ready to be mounted in a truck and operational in less than half an hour.

Read this manual carefully before you operate or service your conquest spreader. 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.

The Viking-Cives Conquest spreader has been engineered with ease-of-use and durability in mind. The Prewet and DLA (Direct Liquid Application) system utilize the same pump. And the pump itself is equipped with a speed sensor to eliminate the need for a flow meter. The control system is located in the on-board enclosure, with a control screen that easily mounts in-cab for ease of installation and use.

To ensure safe and trouble-free operation of the conquest spreader, careful attention must be given to the critical adjustments during the initial installation and set-ups, as well as following periodic maintenance and inspection schedules.

Maintenance Schedule

Weekly Maintenance



Grease all required components:
Grease all main auger bearings.



Visually inspect all hydraulic connections and hoses for cracks and/or leaks. Rupturing hoses may produce a high-pressure stream of hot hydraulic oil.



Check all augers, auger covers, and conveyor beds for excessive wear or damage.

Monthly Maintenance



Check bolt tightness on valve, liquid pup mounts, spinner/chute mounts.



Inspect augers for possible wear; check set bolts for tightness.



Check structural welds at body for cracks due to fatigue or overload.



Check for oil leaks in all hydraulic fittings and hoses. Re-tighten and/or replace fittings and hoses as required.

End of Season Maintenance



Inspect auger shafts for bending and deformation.



Inspect auger beds for excessive wear.



Grease all required components:
Grease all main auger bearings.

Storage

- ☐ Empty all salt or corrosive materials in the body during the off-season.
- ☐ Remove hopper and store in a safe area where it can be stabilized to prevent any hazards for your crew.

Introduction

The integrated leg stands on the viking cives Conquest spreader allow for the quick removal and installation of the Hopper into a conventional dump body, allowing it to be converted into a sand/salt spreader for winter de-icing.

The following procedure outlines the installation process of the Conquest spreader with integrated leg stands.

Pre-Installation Checklist

Prior to loading and unloading the Conquest hopper, ensure the following:

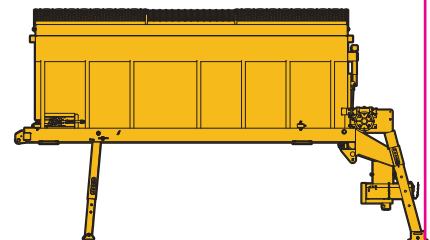
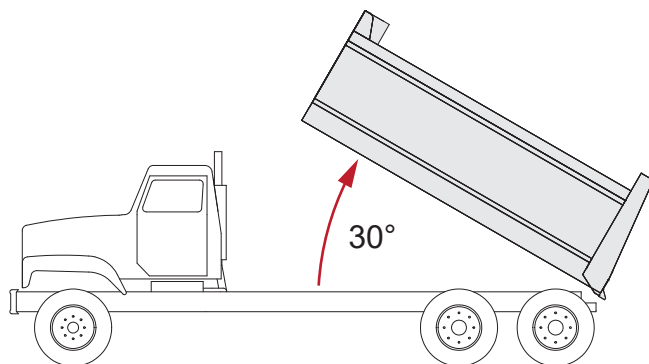
- ☐ Ensure that the operation is being performed on a stable, level surface.
- ☐ Empty the spreader of all liquid and granular.
- ☐ Align the truck to be straight with the hopper.



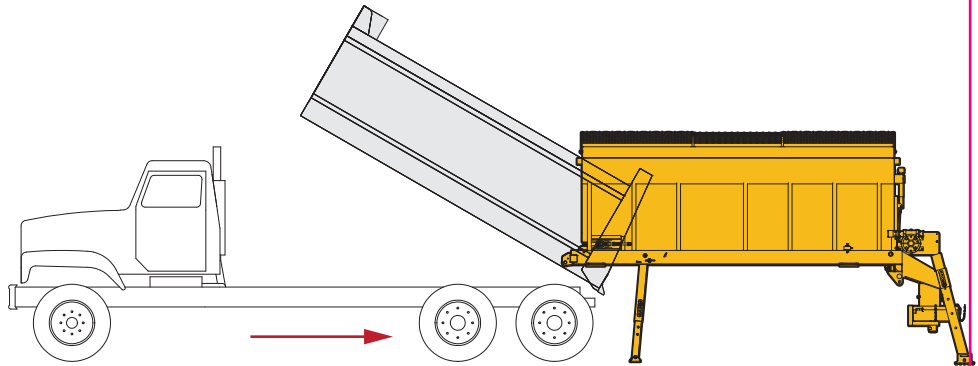
WARNING: ALWAYS use a spotter when loading/unloading the Hopper, and clear the area of all bystanders. The spotter should remain in view of the driver, whether through the driver side window or the rear view mirrors.

The spotter will also place the lock pins in the front legs while the driver holds the truck in position at certain stages. It is the spotter and Driver's responsibility to ensure that the spotter is clear of the truck whenever it is moving.

1. Raise the dump body 30° (degrees), and slowly reverse into the Conquest spreader.



2. Continue to reverse the truck to the hopper. Stop when the body contacts the rollers at the front of the hopper.

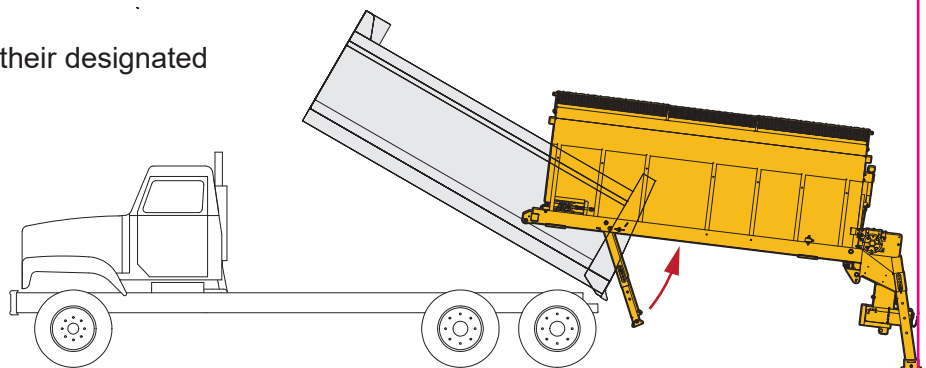


NOTE: Guide bars ensure that the body remains centered during loading and operation. Check that the bars are set to the proper width before installation. The spotter will visually check that the guide bars have entered the body and signal the driver to continue.

3. Once the guide bars have made contact with the body, continue to reverse another 6" inches (or just enough to raise the front legs off the ground).

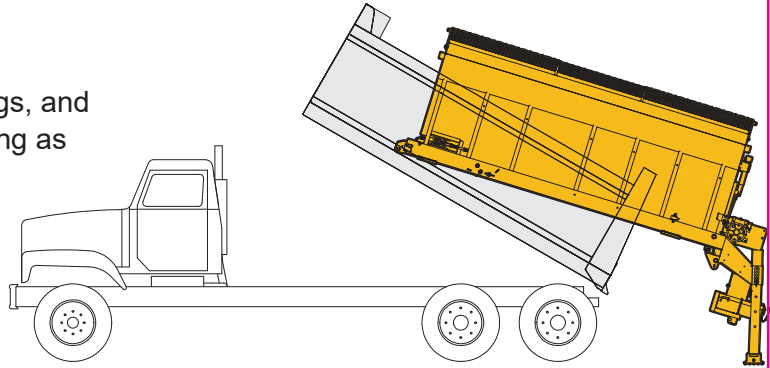
4. With the front legs off the ground, remove the pins on both sides to allow the legs to swing freely and retract during the next steps.

Place the removed pins in their designated storage mounts.



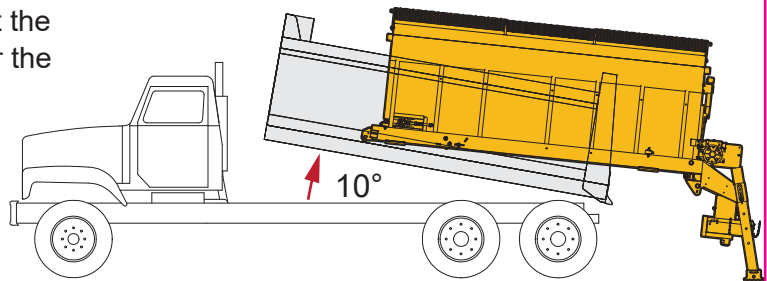
5. Continue to reverse the truck to the Conquest Hopper, allowing the legs to fold underneath the unit.

The spotter should be watching the legs, and directing the driver to continue reversing as the legs enter the dump body.

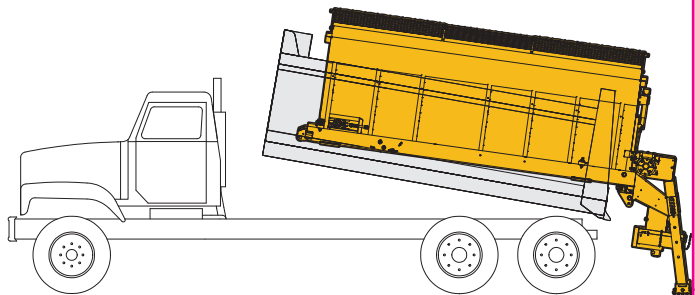


6. Reverse into the hopper while keeping the body at 30° (degrees) to avoid interference with the leg stand subframe.

7. When the front of the hopper is past the halfway point of the dump body, Lower the dump box to 10° (degrees).

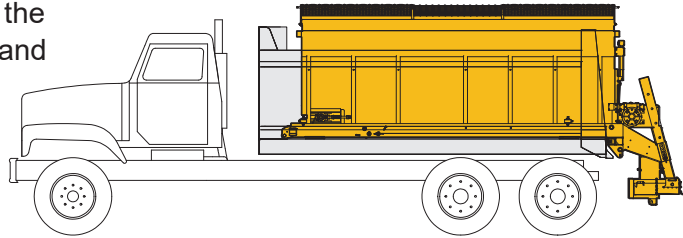


8. Continue to reverse into the hopper leg stand until the body contacts the tailgate latching bars.



9. Lower the body completely.

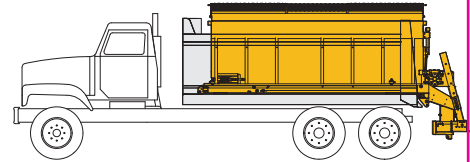
Remove the pins from the rear legs, raise the legs above the height of the rear spinner, and re-pin in place.



Removal

- ☐ Prior to loading/unloading, ensure that the operation is being performed on a stable, level surface.
- ☐ Empty the spreader of all liquid and granular material.

1. Park the truck on a stable level surface.
Lower the rear legs to the ground by removing and re-inserting the lock pins.



2. Shut off the truck, and disconnect the hydraulic and electrical connections at the rear pintle plate. Tuck all hoses and cables up and out of the way.

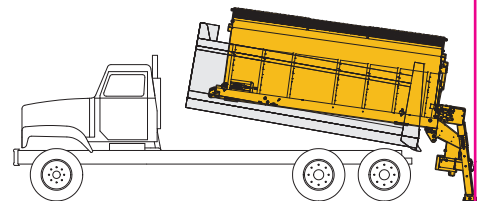


WARNING: Allow the equipment to sit for 10 minutes after shutting off the truck to allow any residual pressure in the hydraulic lines to dissipate. Pressurized hydraulic fluid can cause serious injury.

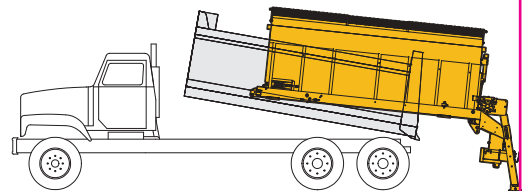
3. Remove the hook webbing tie down straps, only when ready to remove the Conquest Hopper From the Truck.

4. Unlock the tailgate latches that hold the latching bars on the spreader.

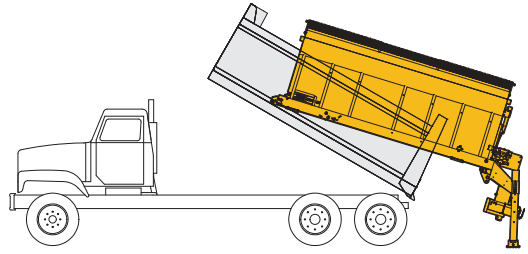
5. Raise the dump body until the rear legs contact the ground. Once the legs contact the ground, continue to slowly raise the body to 10° (degrees), or until the rear legs are 90° (degrees) relative to the ground.



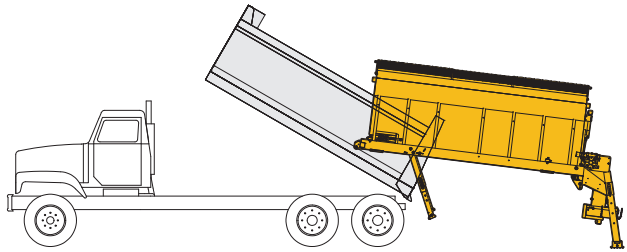
6. Slowly drive the truck forward, allowing the Conquest hopper to remain stationary and slide out of the dump body.



7. When the hopper is halfway out of the dump box, raise the body to 20-30° (degrees), and continue to slowly drive forward.



8. Drive forward until the front legs swing down from the sub frame. Have the driver hold the truck in that position while the spotter removes the pins from the holders, and inserts them into the legs, securing them.



9. Once the front legs are pinned in place, drive forward slowly, allowing the front rollers to lower the legs to the ground.

