

## TROUBLESHOOTING - TS3500 BIN FILL CONVEYOR

Below is a table describing the most frequent problems and solutions with the Bin Fill Conveyor. For further assistance, contact USC at (785) 431-7900.

Problem	Possible Cause	Solution
Conveyor will not run.	<ol style="list-style-type: none"> <li>1. Not turned on.</li> <li>2. Conveying belt loose.</li> <li>3. Drive belt loose.</li> </ol>	<ol style="list-style-type: none"> <li>1. Start power source or turn on power.</li> <li>2. Tighten and align belt.</li> <li>3. Tighten drive belt.</li> </ol>
Belt edge fraying.	<ol style="list-style-type: none"> <li>1. Belt not aligned.</li> </ol>	<ol style="list-style-type: none"> <li>1. Align and tension belt.</li> </ol>
Low conveying capacity.	<ol style="list-style-type: none"> <li>1. Angle too steep.</li> <li>2. Slow operating speed.</li> <li>3. Conveyor belt slipping.</li> <li>4. Drive belt slipping.</li> </ol>	<ol style="list-style-type: none"> <li>1. Reposition with angle at 40°.</li> <li>2. Increase operating speed.</li> <li>3. Tighten belt.</li> <li>4. Set drive belt tension.</li> </ol>
Conveyor will not raise	<ol style="list-style-type: none"> <li>1. No power to hydraulic pack.</li> <li>2. Low oil.</li> <li>3. Using incorrect oil.</li> <li>4. Hydraulic cylinder vent not installed or plugged.</li> <li>5. Pivot point hardware is too tight.</li> <li>6. Pressure relief valve set too low.</li> <li>7. Motor running in wrong direction.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check power source, make sure switch inside of control box is in the on position.</li> <li>2. Make sure oil level is high enough to touch the bottom of the indentations located on the top of the reservoir.</li> <li>3. You must use DTE 24 hydraulic oil.</li> <li>4. Clean or install new vent.</li> <li>5. Back hardware tightness off so hardware will easily rotate. <b>(Make sure lock-nuts are still fully engaged)</b></li> <li>6. Adjust relief valve as needed to raise (Adjust set screw inward)</li> <li>7. Check wiring. Revise as needed.</li> </ol>

## UNPLUGGING

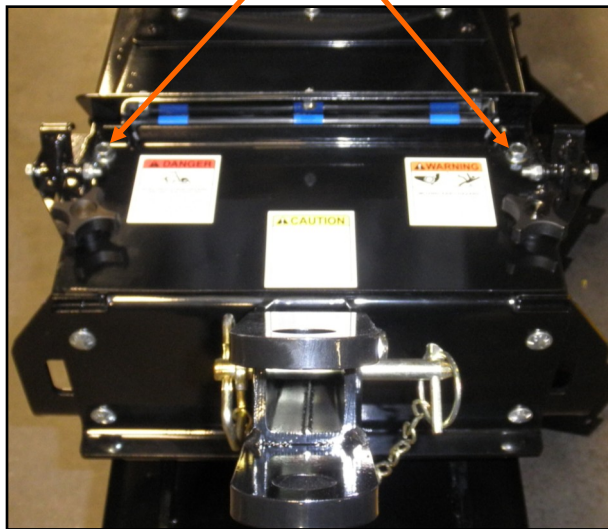
In unusual moisture or material conditions, the machine can plug. When unplugging, follow this procedure:

1. Place all controls in neutral or off, stop motor, disable and lock out power source before unplugging.
2. Remove the nut, bolt and sliding clean out door from the bottom of the inlet tube section of the conveyor. Remove any built up material. Reinstall door and hardware.
3. Open the tail cover (below).
4. Remove plugged material.
5. Install and secure conveyor and tail covers.

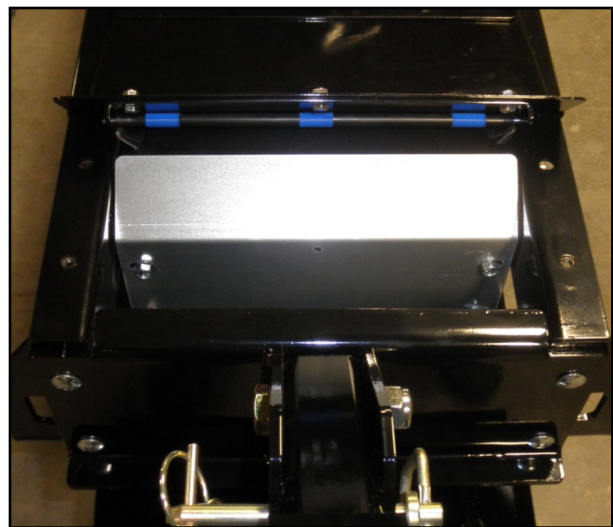


*Sliding Clean Out Door*

*Remove shipping bolts  
after receiving  
conveyor*



*Bottom clean-out cover*



*Bottom clean-out cover removed*