



REGULAR MAINTENANCE IS ESSENTIAL FOR PROPER OPERATION OF YOUR BIN.

BIN SIDEWALLS AND BASE ANCHORS

1. Inspect the outside of the bin to ensure there are no loose or missing hardware. Replace if needed.
2. Look at the sidewall sheets for any deformation. If any deformation is found, contact Superior Grain Equipment.
3. Inspect the sidewall sheet connections for any gaps. If gaps are found, caulk the gap to seal the bin completely.
4. Look for any rust spots. If rust is found, use a wire brush to remove and paint over the spot to prevent it from spreading.
5. Inspect the base anchors for any deformation. If deformation is detected, contact Superior Grain Equipment.
6. Make sure the nuts on the anchor bolts are tight. Use spacers if necessary.
7. Inspect the rolled base. If gaps are found, use a pliable tar to seal.

LADDER AND STAIRS

1. Ensure that all garbage or debris has been removed from the stairs or ladders. Buildup of debris may lead to rust developing on the galvanized metal. If rust is found, use a wire brush to remove and paint over the spot to prevent it from spreading.
2. Look for loose or missing hardware and replace if needed.

ROOF

1. Ensure that all garbage or debris has been removed from the roof. Buildup of debris may lead to rust developing on the galvanized metal. If rust is found, use a wire brush to remove and paint over the spot to prevent it from spreading.
2. Look for loose or missing hardware and replace if needed.
3. Inspect screws and caulking around roof vents for any openings that may allow moisture to enter the bin. If needed, add caulking to close up any gaps and replace any missing screws.
4. Inspect the roof wind ring and make sure all clamps are secure. Look to see if any expansion bolts are loose. If expansion bolts are loose, tighten.
5. Inspect the roof cap to make sure all parts are secure. Open and close the roof cap to ensure proper movement.
6. Open and close the inspection hatch to ensure it is moving freely and not catching. Ensure all bolts are tight.
7. Inspect the peak apron for any missing screws. Replace screws if necessary.
8. Look at the roof for any deformation. If any deformation is found, contact Superior Grain Equipment.

IMPORTANT

It is important to follow all maintenance instructions in the operator's manual. Failure to do so can affect performance and may void the warranty.

DANGER

Never enter a bin when feed, grain or other material is flowing. Failure to follow these warnings will result in serious injury or death.



FLOOR AND AERATION EQUIPMENT

1. Ensure that all garbage or debris has been removed from the floor and fans. Buildup of debris may lead to rust developing on the galvanized metal and can cause an imbalanced fan wheel.
2. Look for loose or missing hardware and replace if needed.
3. Make sure to remove all old grain. Not doing so may lead to rotten grain and insects.
4. Make sure all floor planks are secure and level with no obstructions in the openings.
5. Inspect the flashing to ensure that all screws are in place and there are no gaps or settling in the flashing.
6. Periodically remove the flashing above the fan transition and inspect under the aeration floor for support condition, excess dirt, fines, pests and debris. Clean and repair if needed.
7. Inspect all electrical wires for wear or loose wires. Contact your electrician for any repairs.
8. Make sure the fan blade is spinning freely and free of debris.
9. If the fan is installed on a concrete fan pad, adjust the fan legs as the bin settles. All legs must sit solidly on the concrete pad.
10. Grease motor bearings, if required, at least twice annually.
11. Fans must not be turned on without a substantial amount of grain covering the floor.

REPLACEMENT PARTS

Modifications and replacement parts are an essential part of grain bins. Parts wear out due to weather, deterioration, and constant usage. Inspecting your bin on a regular basis will ensure it is in working order and prevent any issues.

Before replacing any parts, especially sidewalls and roof parts, contact Superior Grain Equipment to ensure the proper procedures are taken. Substituting other brand parts may affect your operation and lead to unexpected failures.

DOORS

1. Ensure that all garbage or debris has been removed from the door. Buildup of debris may lead to rust developing on the galvanized metal.
2. Look for loose or missing hardware and replace if needed.
3. Look for any gaps in the door and sidewall sheets. If gaps are found, caulk to ensure the door has no leaks.
4. Open and close all doors to ensure a smooth operation. Adjust if needed.
5. Look for any deformation in the door. If any deformation is found, contact Superior Grain Equipment.

UNLOAD AND SWEEP EQUIPMENT

1. Inspect all electrical wires for wear or loose wires. Contact your electrician for repairs.
2. Inspect the unload belts to ensure no wear is noticeable. If wear is noticeable, replace the belts.
3. Ensure that all belt guards are in place.
4. Open and close all sump covers to ensure good movement. If the sump covers do not open and close freely, contact Superior Grain Equipment.
5. Ensure that all grates over the sumps are in place.
6. Inspect the sweep wheel for any damage or wear. Ensure that it is tight and adjusted for proper clearance.
7. Inspect the gearbox for any damage. Contact Superior Grain Equipment if there is any noticeable damage.
8. Ensure that the clutch engagement is operating properly.
9. Turn on the unload and sweep to ensure all operations are working properly.
10. Check that the sweep stop is properly operating.
11. Place the sweep just clockwise of the sweep stop before filling the bin.