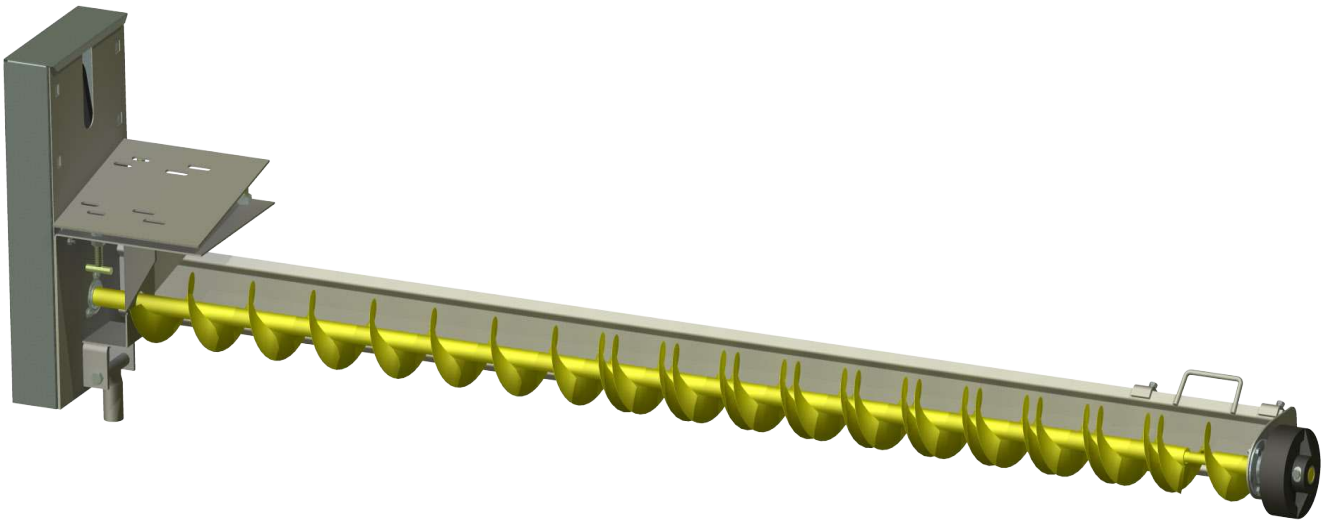
Haven Industries

Bin Sweep (Carry-in Sweep) Installation & Operator's Manual



GrainSaver

ASSEMBLY INSTRUCTIONS

Heavy Duty Bin Sweeps

CONGRATULATIONS! You have just purchased the finest grain handling equipment components available today! With proper use and service this equipment is designed to give you many years of trouble free service. All Grain Saver® Unloading Equipment is built to the highest standards and incorporates the most up-to-date safety features. For your safety and convenience, please take the time to read the following assembly, installation, and operating instructions. Familiarize yourself with the use of this equipment and the standard safety features before attempting to operate it.

•NEVER enter the storage structure while this equipment is in operation.
•BE SURE all guards are in place before connecting power or starting this equipment.
•NEVER allow children or any personnel who are unfamiliar with the features or hazards of this equipment to operate it without proper supervision.

Your Grain Saver® Bin Sweep comes assembled from the factory, however, some minor finish assembly is required. You will need some basic tools to finish the assembly of this equipment; a wrench set up to 1", a crescent wrench, and a set of allen wrenches. Torque settings of 35 ft. lbs. is recommended for all hardware.

STANDARD MODELS:

A. Remove the steel belt guard by simply grabbing it and sliding the guard upward.

B. Install motor sheave (smallest diameter you can fit on the motor output shaft) on the motor and install the motor on the motor' mount plate. Slide the motor forward until the motor sheave and the driven sheave are aligned and bolt securely. You may need to move both sheaves to align. Proper alignment is required for longer belt life: Check belts to be sure that they are matched (same brand and number i.e. Gates B-43 ... B-45 ... etc.). Install the belts and tighten setscrews on the sheaves at this time. Belts may be either a little tight or a little loose. See step C.

C. Adjust the belt tension. Move the motor mount up or down with the adjusting "T" bolt. Check the belt tension. Do not over tighten, belt damage could result. When belts become loose they "squeal" letting you know it is time to re-adjust them. Tighten them only enough to eliminate any slip and noise.

D. Re-install the belt guard. Align shield in the slide rails and firmly push down. Never remove the guard unless servicing or replacing belts! Replace it immediately after servicing equipment.

E. Have a qualified electrician install a proper pigtail plug-in or swivel connector to your sweep motor. Drop the cord in from the peak ring for safety. Provide adequate, fusible, protection for·each motor. Read all warning decals attached to this equipment.

F. The backboard on these models is made to be adjustable to fit two or three consecutive bin diameters out of round bins or buildings. Simply loosen the four setscrews on the backboard and adjust the backboard length to the required setting. Re-tighten the four setscrews. No parts to remove.

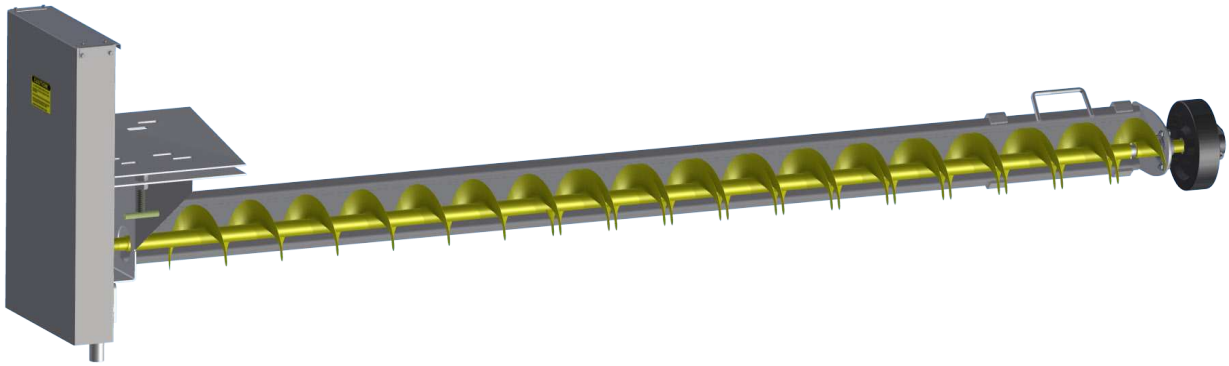
Note: If any warning or safety decals become lost or damaged in any manner, please contact us for free replacements.

YOUR SAFETY IS OUR PRIMARY CONCERN!!

Ph. 507.584.6300

HORSEPOWER REQIREMENTS

BIN DIA.	5” for 8” Tubes	7” for 10” Tubes
18’	1.5	3.0
21’	2.0	3.0
24’	2.0	3.0
27’	2.0	3.0
30’	3.0	5.0
33’	3.0	5.0
36’	3.0	5.0
42’	3.0	5.0
48’	3.0	5.0



INSTALLATION/ OPERATING INSTRUCTIONS:

BIN SWEEPS: Check Auger flight to be sure it is straight and in good operating condition. Check belt tension and guard placement. Attach the sweep to the Bin Unload Tube pivot pin and lay the wheel end on the grain pile over the exposed intermediate hopper(s). The sweep will work its way down through the grain to the floor and continue around the bin until the floor is clean. Install an electrical swivel connector on the electric motor drive. Run the power source down from the top of the bin being certain that the power cord does not touch the floor or come in contact with any part of the sweep. Do not tie the power cords together! Do not use twist lock connections. Make sure you are aware of the location of all personnel on site and that no one is in the storage structure. With the slide gates open, start the Bin Sweep assembly, observe operation of sweep from the door area or another porthole. **STAY OUT OF BIN** while sweep is in operation. **LOCK OUT POWER** before entering the facility to sweep the floor area or to remove the sweep.

!! WARNING !!
Exposed screw conveyors can cause severe injury or death! Lock out all power before entering storage facility.

!! WARNING !!
Exposed belts and chains can cause severe injury or death! Lock out all power before removing guards.

LIMITED WARRANTY

HAVEN INDUSTRIES, hereinafter is referred to as “Agent”. The manufacturers of The Grain Saver® Auger Equipment warranties each Grain Saver® product to be free from defects in material and workmanship for a period of twelve (12) months. The “defects” must be reported to the manufacturer, the “Agent”, or to the “Agent’s” representatives within the 12 month warranty period commencing on the date of the original sale.

This limited warranty is made expressly in lieu of all other warranties, whether expressed or implied but not limited to, warranties of merchantability and fitness for a particular purpose, and of all other obligations or liabilities on the part of the “Agent”. The customer’s rights and remedies are governed exclusively by the terms and conditions of this limited manufacturer’s warranty, and the customer expressly waives for himself, and any subsequent purchaser, any claim based upon contract, tort, strict liability, or otherwise.

“Manufacturer’s” obligation and sole remedy under this warranty is exclusively limited, at “manufacturer’s” option, to either repair or replace any part or product found to be “defective” providing that such part or product be returned to the “Agent’s” place of business in Dexter, Minnesota, Transportation Charges Prepaid, or to the selling dealer or distributor’s place of business from whom the purchase was made. All corrective work on products must be approved in writing by “Agent” prior to such repairs. No allowances will be made for corrective work that has been completed without this expressed approval.

Improper lubrication, improper installation, deterioration by chemical action, and premature wear caused by the presence of abrasive material does not constitute “defects”.

This warranty shall not render “Agent” liable for any consequential damages including, and without limitation to; personal injury, expenses of removing the product, loss or damage resulting to the equipment or structure(s) in which the “‘Manufacturer’s” products have been installed, loss of such equipment or structure, loss of commodity, or loss of profits.

This warranty shall be declared null and void immediately if the purchaser or the representative of the purchaser, or anyone else shall modify or install, or cause to be modified or installed replacement parts not sold, distributed, or approved by the “Manufacturer”.

This warranty shall not be extended to gearboxes, batteries, drive belts, tires, inner tubes, electrical controls, or any purchased component that carries it’s own manufacturer’s warranty. The warranty on these products shall be limited only to the term of the published warranties on these products.

Manufacturer is not responsible for installation of the product, and is not liable for any loss or damage attributed to any improper installation.

“Agent” neither assumes nor authorizes anyone to assume for “Agent”, any liabilities in connection with the sale of its products.

All claims under this limited warranty must be presented in writing within 30 days of the date of assumed failure to: HAVEN INDUSTRIES 67374 310th St. Dexter, Minnesota 55926. Failure to do so will result in customer’s claim being waived and not enforced.

This warranty is subject to existing conditions of supply, which may directly affect the ability of the “Manufacturer “ to obtain materials or manufactured replacement parts.

Customer agrees to incorporate the terms of this warranty into any subsequent sale or transfer of these products to a third party such that the “Agent’s liability shall be expressed, limited to the terms and conditions of this limited warranty, as well as the choice of law and choice of jurisdiction provisions of this agreement. If any party brings any action against the “Agent”, for other than those set forth in this limited warranty against any such claims and/or judgments thereon. In no event shall the “Agent’s” liability extend beyond the terms and conditions of the warranty provided to the “Agent’s original customer.

Customer agrees that Customer’s rights and responsibilities, in regard to this transaction, shall be governed by the laws of the state of Minnesota and shall be the exclusive jurisdiction for bringing any dispute in regards to this transaction.

Customer acknowledges that he is knowledgeable concerning the goods purchased from the “Agent”. Customer has reviewed the limited warranty and that the remedies provided are adequate and acceptable to the customer. “Agent” is not responsible or liable for any claim of personal injury or death.

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