

Model E-2 , E-3 & E-6 GRAIN SPREADERS

Assembly Instructions

1. Remove all parts from the carton.
2. Bolt the 3 hanger straps to the hopper, 2 bolts each, hooks out, either, extend or shorten them to accommodate different bin opening sizes.
3. Turn the unit upside down & gently slide the sleeved end of the impeller shafts assembly onto the protruding end of the output shaft. Be sure that the sleeved shaft is way down against the bearing on the output shaft. Then tighten the 5/16-18x 5/8 set screw.



IMPORTANT: BE SURE THE SET SCREW IS TIGHTENED PROPERLY

4. Pivot the spreading impeller to a sharp angle. DO NOT loosen the pivot locking nut. A spring washer retains adequate tension to hold the impeller in a selected position. When the unit is new, extra pressure maybe required to make the impeller pivot to different angles.
5. Bolt all three spreading vanes so that the long tapered end is outward on the impeller.

Note: The short side of the impeller holds the spreader vane at a much sharper angle.

6. Add 1 quart oil (included)
7. The unit is now ready to install in your bin.

Installation And Operation

1. Hang the unit into the bin. CENTER IT and LEVEL IT with a carpenter's level.
2. Connect the power cord to the 110 Volts A. C. Grounded Supply
3. The unit is ready to operate.
4. Changing the angle of the impeller up and down to different positions will adjust the spreading pattern. Never leave the angle in one setting for a long period of time. Tilting the long end of the impeller down ward sharply usually is the best for the lower fill in the bin. Gradually flattening the angle as the bin fills is the best procedure.

THE USE OF GROUND FAULT CIRCUIT INTERRUPTERS (GGCI) IS SUGGESTED ON ALL OUTSIDE ELECTRICAL WIRING TO REDUCE POTENTIAL FOR ELECTRICAL SHOCKS.

LUBRICATION - Check the oil level in the gearcase once every 20 hours operating time. The gearcase has an oil fill plug on the top and an oil CHECK PLUG on the side. Maintain an oil level up to the CHECK PLUG in the gearcase.

DO NOT OVERFILL THE GEARCASE WITH OIL! Use # 30 SAE Motor Oil in the gearcase.

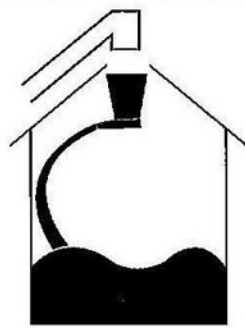
BEFORE OPERATING SPREADER FILL PROPERLY WITH OIL

1. USE THE BOTTLE OF OIL THAT IS INCLUDED
2. TO PUT OIL IN GEAR CASE, REMOVE FILL PLUG ON TOP OF GEAR CASE, AND OIL PLUG ON THE SIDE OF GEAR CASE. POUR OIL IN GEAR CASE.
3. REPLACE FILL PLUG AND OIL LEVEL PLUG IN GEAR CASE.

TROUBLESHOOTING

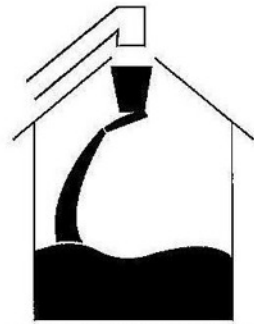
1. Grain is not level and grain is hitting bin high on the side walls. Large doughnut shaped ring.

TILT THE ANGLE OF THE SPREADER IMPELLER DOWN MORE OR CHANGE ANGLE BACK AND FORTH.



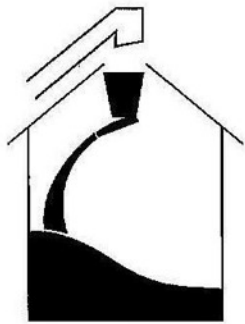
- 2.) Grain is high in the center of the bin. Small doughnut.

TILT THE ANGLE OF THE SPREADER UP OR MORE FLAT, OR CHANGE BACK AND FORTH.



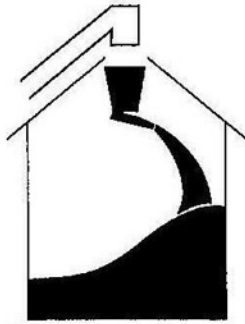
- 3.) Grain is high on one side and spout is entering the spreader at an angle.

CORRECT THE SPOUT SO THAT GRAIN IS DROPPED DIRECTLY DOWN AND CENTERED SO IT FLOWS EVENLY OVER AND AROUND THE ELECTRIC DRIVE MOTOR. NEVER LET THE GRAIN FLOW DOWN ONE SIDE OF THE HOPPER OR AT AN ANGLE, THIS WILL RESULT IN SEVERE SHAKING OF THE SPREADER.

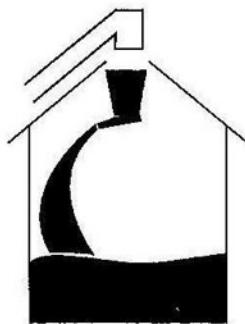


- 4.) Grain is high on one side and spreader is not hanging level in the bin.

USE A CARPENTER'S LEVEL ACROSS THE TOP OF THE SPREADER HOPPER TO CHECK IT. BLOCK UP UNDER ONE OF THE HANGER STRAPS TO GET THE SPREADER LEVEL, IF NEEDED.



- 5.) This is the correct spreading pattern. The Grain is slightly depressed in the center, conveyor spout is centered, and the spreader is level.



Bruning Enterprises, Inc.
7718 North State Road 9
Shelbyville, Indiana 46176 USA
(317) 835-7591
www.bruningenterprises.com