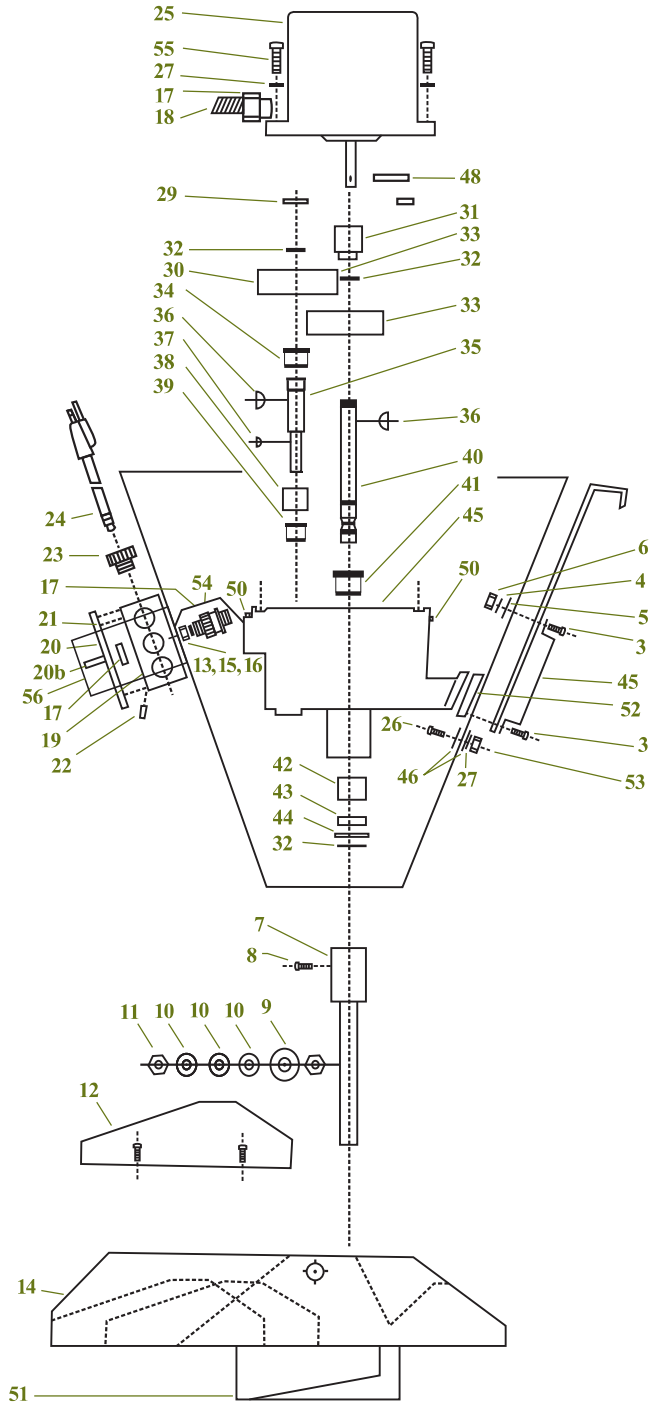


• PARTS DIAGRAM •



• PARTS LIST •

E-2, E-3, E-6 SPREADERS

#	Part Description	Qty.	Part #
1a	Cone – Hopper E-2	1	1D0125
2a	Strap – Hanger	2	1B0125
2b	Strap – Adjustable Hanger	2	1A0012
2c	Bracket – Adjustable Hanger	2	A10013
3	3/8" – 16" x 3/4" Hex Hd Bolt	8	
4	3/8" 1D Shakeproof Washer	8	
5	3/8" 1D x 10D Flat Washer	8	
6	3/8" – 16" Hex Nut	8	
7	Impeller Shaft Assembly E-2	1	1B0136
8	5/16" – 18 x 1 1/4" Sq Set Screw	1	
9	1/2" STD Flat Washer	2	
10	Washer Spring 1/2"	3	1P0039
11	Nut Lock 1/2" – 13	1	1P0042
12a	Vane – Spreader	3	1B0141
13	1/4-20 x 1/2 Hex Hd Cap Bolt	3	
14	Impeller Spreader	1	1D0135
15	1/4" Lock Washer	3	
16	1/4"-20" Hex Nut	3	
17	Connector Sealtight 3/8"	2	1P0038
18	Conduit Flexible Sealtight	1	1P0028
19	Handy Box	1	1P0021
20	Cover Handy Box	1	1P0022
20b	Reverse Switch Assembly	1	1P0023
21	10 x 5/8" Tek Screw	1	
22	Wirenut (L/R only)	3	
23	Connector B-x 3/8"	1	1P0024
24	Plug Cord	1	1P0018
25a	Motor Electric 1/2" HP 1PH	1	1P0069
25b	Motor Electric 1/3" HP 3PH	1	1P0070
26a	5/16"-18" x 1" Hex Hd Bolt	6	
27	5/16" Lock Washer	2	
29	Seal O-Ring	1	1P0029
30a	Gear Drive 42T Upper	1	1B0132
30b	Gear Drive 40T Hi-Speed	1	1B0138
31a	Pinion Motor – 12T	1	1B0130
31b	Pinion Motor – 14T Hi-Speed	1	1B0135
32	Retaining Ring 3/4"	3	1P0035
33	Gear Drive 41T Lower	1	1B0137
34	Bearing Flange 3/4"ID x 5/8"	1	1P0032
35	Shaft Pinion	1	1B0133
36	Key Woodruff 3/4"	2	1P0036
37	Key Woodruff 1/2"	1	1P0037
38	Pinion Drive 13T	1	1B0131
39	Bearing Flange 1/2"ID x 3/4"	1	P0033
40	Shaft Output	1	1B0134

#	Part Description	Qty.	Part #
41	Bearing Flange 3/4"ID x 1"	1	1P0012
42	Bearing Plain 3/4"ID x 1"	1	1P0034
43	Seal Oil 3/4"	1	1P0031
44	Steel Washer	1	
45	Gearbox Machined	1	1D0128
46	5/16 Flat Washer	12	
48	Pin Roll 3/16" x 3/4"	1	1P0040
49	Carrying Handle	1	1A0160
50	Pipe Plugs Sq Hd 1/4"	2	
51	Center Fill Slide	1	1B0162
53	5/16" Nylock	6	
54	Conduit Cover	1	C Cover
55	5/16" x 1 1/8" Cap Bolt	2	
56	Switchguard	1	

E-3 Parts

1b	Cone - Hopper E-3	1	1D0126
7b	Impeller Shaft Assembly E-3	1	1B0143
12a	Straight Vane - Spreader	2	1B0141
12b	Bent Vane - Spreader	1	1B0142
52	Rubber Shims	3	1RS001
25c	Motor Electric 1HP 1PH *Hi-Speed Only	1	1P0072
26b	5/16"-18 x 2 Hex Hd Bolt	2	

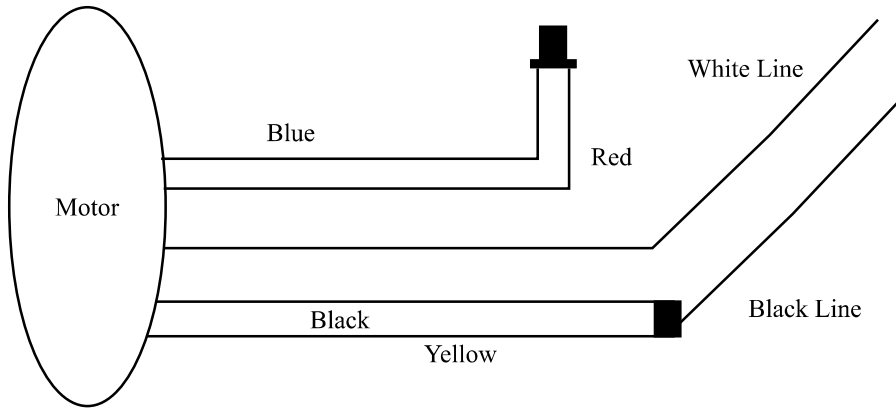
E-6 Parts

1c	Cone - Hopper E-6	1	1D0127
7c	Impeller Shaft Assembly E-6	1	1B0144
12a	Straight Vane Spreader	2	1B0141
12b	Bent Vane Spreader	1	1B0142
52	Rubber Shims	3	1RS002
25c	Motor Electric 1HP 1PH	1	1P0072
26c	5/16"-18 x 2 1/2 Hex Hd Bolt	2	

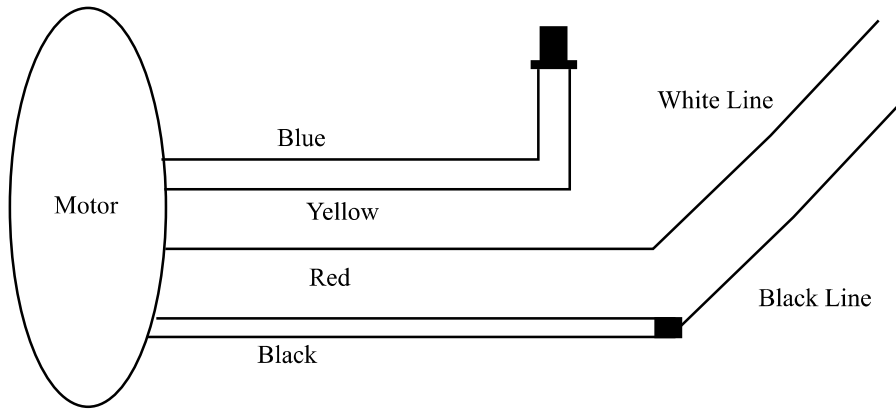
Pans

E-2	Pan	1	1B0126
E-3	Pan	1	1B0139
E-6	Pan	1	1B0140

• **WIRING DIAGRAM** •
E-2, E-3, E-6 SPREADERS



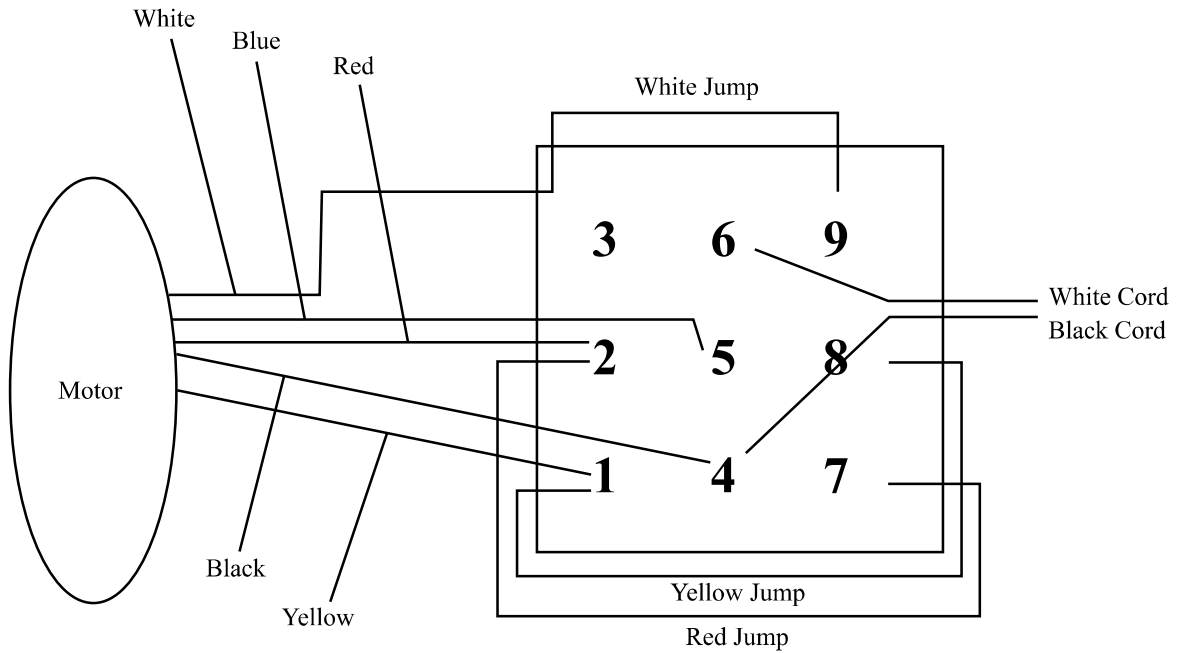
THROWING DIRECTION



LIFTING DIRECTION

01-13/GSWD E2 E3 E6-1

• **WIRING DIAGRAM** •
E-2, E-3, E-6 SPREADERS



• **Switch Jumps** •

- 3-9 White Jump
- 2-7 Red Jump
- 1-8 Yellow Jump

• **Motor Connections** •

- White - 3
- Red - 2
- Yellow - 1
- Blue - 5
- Black - 4

• **Cord** •

- Black - 4
- White - 6
- Green - Cover Screw

• TROUBLE SHOOTING •

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 DOWNWARD MORE OR CHANGE ANGLE BACK AND FORTH.

2. Grain is high in the center of bin (small doughnut).

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

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

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

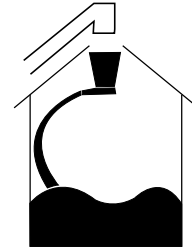
4. Grain is high on one side and spreader is not hanging level in the bin.

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 NECESSARY.

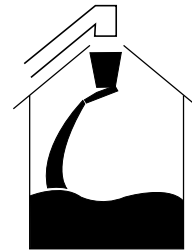
5. **THIS IS THE CORRECT SPREADING PATTERN. GRAIN IS SLIGHTLY DEPRESSED IN THE CENTER, CONVEYOR SPOUT IS CENTERED, AND THE SPREADER IS LEVEL.**

6. **Very Important** - The spreader needs to be sized for the input flow rate. Too large of a spreader, too small of a flow rate often leads to an uneven bin and severe shaking of spreader when grain is not centered and under filled.

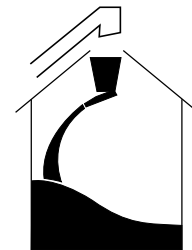
7. On reversible spreaders, begin filling the bin with the pan rotating counter clockwise (top looking down) and change direction when the spreader no longer reaches or about 3/4 full.



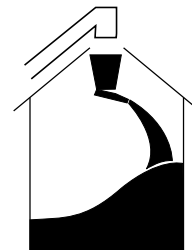
1. IMPELLER ANGLE TOO FLAT



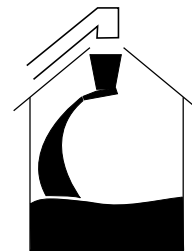
2. IMPELLER ANGLE TOO STEEP



3. AUGER SPOUT AT AN ANGLE



4. SPREADER TILTED



5. CORRECT SPREADING PATTERN

01-13/GSTS