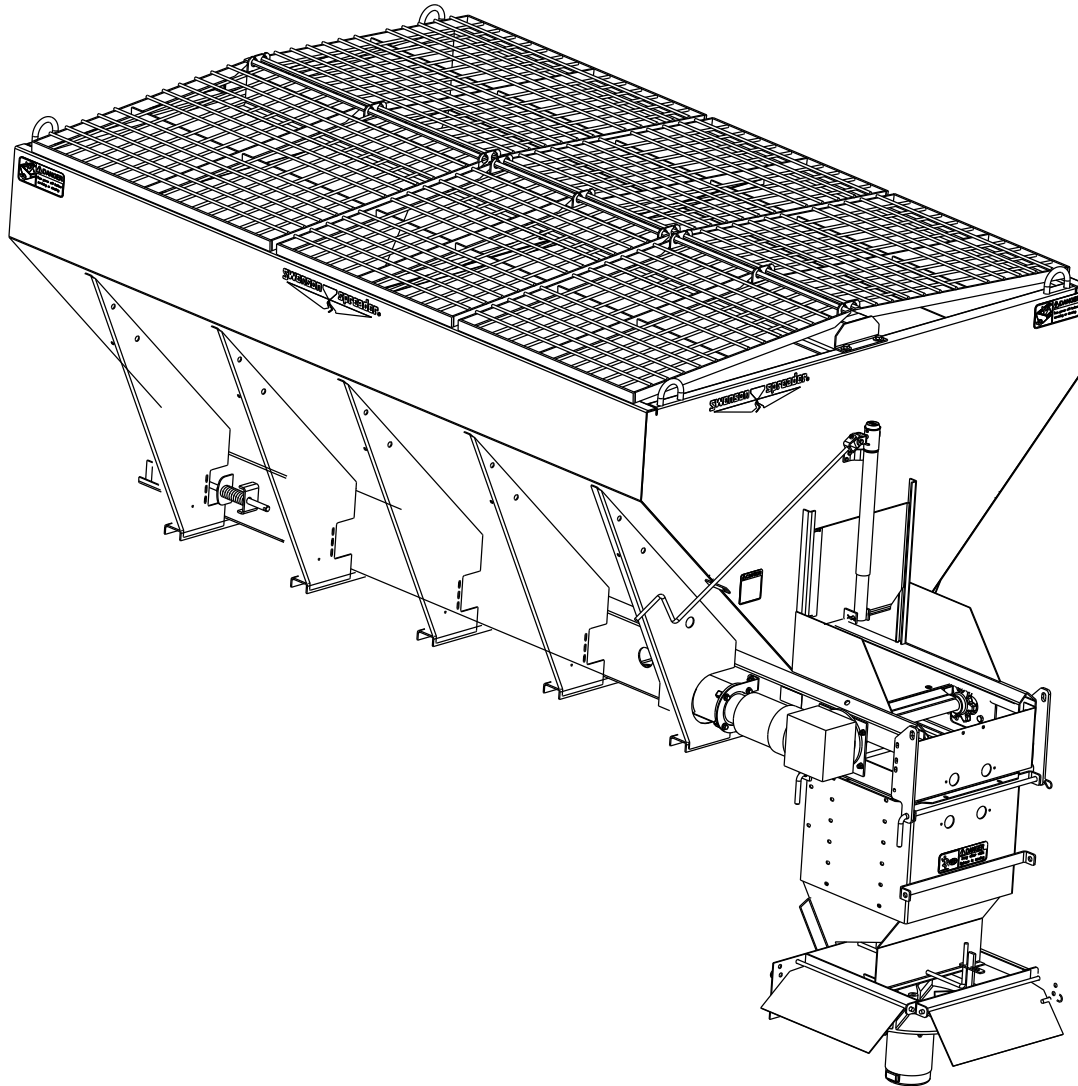


INSTALLATION AND INSTRUCTIONAL MANUAL

ELECTRIC V-BOX MATERIAL SPREADERS



INSTALLATION AND INSTRUCTIONAL MANUAL

ELECTRIC V-BOX MATERIAL SPREADERS

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INSTALLATION AND INSTRUCTIONAL MANUAL

ELECTRIC V-BOX MATERIAL SPREADERS

THE BEST SAFETY DEVICE IS A CAREFUL OPERATOR SAFETY ALERT SYMBOL



THIS SYMBOL MEANS ATTENTION!
BECOME ALERT!
YOUR SAFETY IS INVOLVED!
PLEASE READ AND UNDERSTAND COMPLETELY BEFORE DO-
ING!

SAFE EQUIPMENT INSTALLERS and OPERATORS:



TURN OFF ALL POWER BEFORE PERFORMING ANY SERVICE OPERATIONS

- FOLLOW RECOMMENDED OPERATING PROCEDURES.
- KEEP EQUIPMENT IN SAFE OPERATING CONDITION AT ALL TIMES.
- RECOGNIZE AND AVOID HAZARDS WHILE OPERATING, SERVICING AND MAINTAINING EQUIPMENT.



NOTICE: INSTRUCTIONAL MATERIAL AND PARTS LISTS INCLUDED IN THIS MANUAL ARE SUBJECT TO CHANGE WITHOUT NOTICE.

INSTALLATION AND INSTRUCTIONAL MANUAL

ELECTRIC V-BOX MATERIAL SPREADERS

INSTALLATION INSTRUCTIONS FOR V-BOX SPREADERS

PERMANENT CHASSIS MOUNT

1. Hardwood wear strips usually 1 x 3 (not furnished) must be fitted to the truck chassis.
2. The V-Box should be positioned on the wooden wear strips so that a distance of approximately 6" be left between the truck cab and the front of the V-Box. This will help facilitate any future servicing of the conveyor chain.
3. Parts of some body jacks may have to be cut out to clear the truck tires.
4. Hardware kits for permanent mount V-Boxes Part #00001 086 00 for 8 foot to 11 foot boxes and Part # 00001 085 00 for 12 foot to 16 foot boxes are used to attach the V-Box to the truck chassis. (See mounting detail on page 6.)
5. DO NOT weld mounting angles to the truck frame. Doing so can cause fatigue cracking of the truck frame.

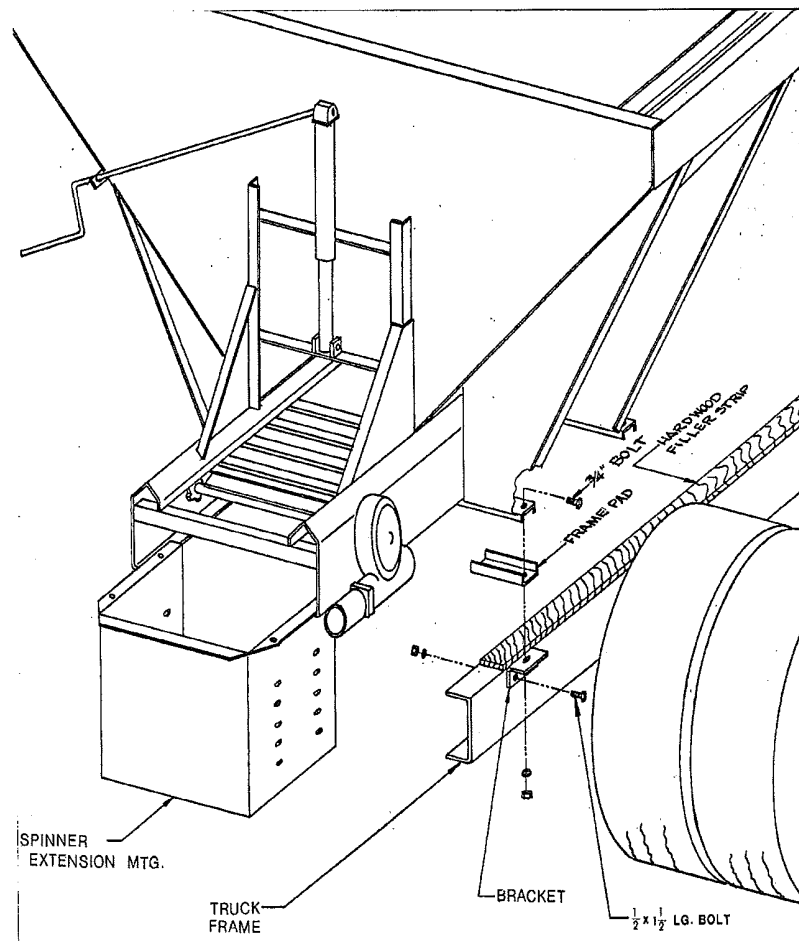
SLIP IN V-BOXES

1. Remove and store the dump box tailgate.
2. Place the V-Box in the dump body and push as far forward as possible. Longitudinals must overhang rear at least *20 inches. If the dump body is not flat, it is suggested that the V-Box be placed on two 1 x 6 hardwood boards. This will evenly distribute the weight of the loaded V-Box on all the cross channels.
3. The spinner assembly is slid into place on the rear of the spreader. The top flanges of the spinner extension box rest on top of the bottom flanges of the spreader main longitudinals and can be slid into place. Use four 3/8" bolts to attach the spinner to the V-Box. (See mounting diagram page 6.)
4. The four optional tie down bolts are hooked into the holes in the body jacks, two each side. The tiedown clips are slipped under the rail of the dump box and the nut and jam nut tightened.

***NOTE:** If swing up spinner is used longitudinals must overhang rear of dump body a minimum of 23 inches.

INSTALLATION AND INSTRUCTIONAL MANUAL

ELECTRIC V-BOX MATERIAL SPREADERS



INSTALLATION AND INSTRUCTIONAL MANUAL

ELECTRIC V-BOX MATERIAL SPREADERS

ELECTRICAL INSTALLATION



WARNING!

BEFORE BEGINNING ANY INSTALLATION ON THIS UNIT, DISCONNECT THE TRUCK BATTERY NEGATIVE CABLE.



WARNING!

CONSULT VEHICLE MANUFACTURER FOR ACCEPTABLE MOUNTING. THE CONTROL BOX COULD INTERFERE WITH THE AIR BAG(S) AND THE OTHER FUNCTIONS OF THE OCCUPANT PROTECTIVE SYSTEMS, SUCH AS KNEE BOLSTERS!

1. Find an appropriate location to mount the control box.

2. Three holes, 1 1/16" in diameter will need to be drill in cab walls.

A. Hole A will be used to run controller harness A from battery to control box and should be located appropriately in the fire wall.

B. Hole B and Hole C will be used to run connecting harnesses B and C from the control box back along truck to the spreader motors.

CAUTION: These holes should be located in such a way that the harnesses do not obstruct operation of the truck and must remain clear of any pinch points or heat sources.

Note: The supplied grommets are for 1 1/16" holes and panel thickness of 1/16".

3. After holes are drilled, install grommets (item 7) and route harness.

4. Attach connectors (items 8,9,13,14) to contacts for controller on Harness B and C These connectors are color coded and slide onto the contacts and lock into place.

5. Place the 2-conductor multi-cord liquid tight cord grip (item 22) into the hole on the conveyor motor junction box.

6. Place the 2 bare ends of Harness D through the holes in the 2-conductor insert (see harness drawing) for the cord grip.

7. Crimp the ring terminals (item 19) onto the bare conductors of Harness D and connect to motor terminals.



WARNING!

USE SAFETY GLASSES OR OTHER FACE PROTECTION AGAINST POSSIBLE BATTERY EXPLOSION. DO NOT SMOKE AND AVOID OTHER SOURCES OF IGNITION.

8. Connect the ring terminals for the battery to the battery post.

9. Connect the rubber plugs on harnesses to motors to plugs on harnesses from motors.

10. Connect the color coded connectors to the corresponding connectors on the control box.

START TRUCK AND TEST SPREADER FOR PROPER OPERATION.

INSTALLATION AND INSTRUCTIONAL MANUAL

ELECTRIC V-BOX MATERIAL SPREADERS

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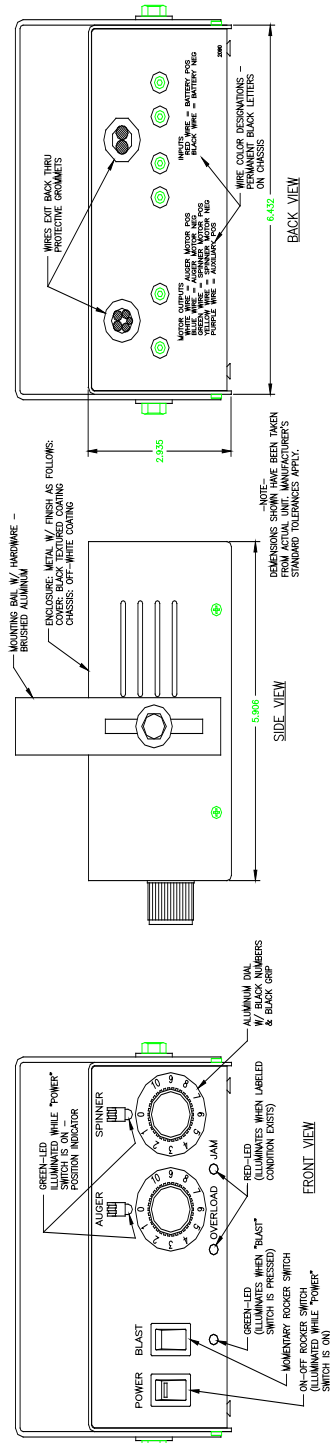
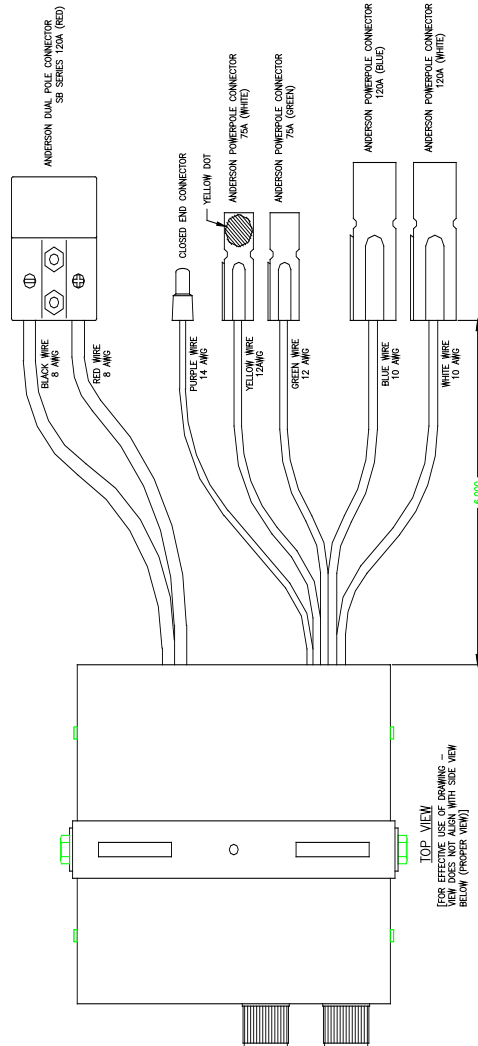
INSTALLATION AND INSTRUCTIONAL MANUAL

ELECTRIC V-BOX MATERIAL SPREADERS

ELECTRIC CONTROL SPECIFICATIONS AND INSTALLATION ELECTRIC CONTROL PANEL 04623-008-00 W/ SYSTEM SPECIFICATIONS

SPECIFICATIONS:

UNIT TYPE.....DUAL VARIABLE SPEED CONTROLLER
OPERATING VOLTAGE.....12V DC
DUTY.....CONTINUOUS ALL SETTINGS
CAPABILITY.....EACH CIRCUIT TO CONTROL 1/2 HP (MINIMUM) DC MOTOR
INITIAL STARTUP.....GO STRAIGHT TO "BLAST" MODE FOR SEVERAL SECONDS;
RETURN TO EXISTING DIAL SETTINGS
OVERLOAD PROTECTION.....80 AMPS (FOR EITHER CIRCUIT, OR TOTAL)
CONTROLS.....KNOB STYLE DIALS & ROCKER SWITCHES

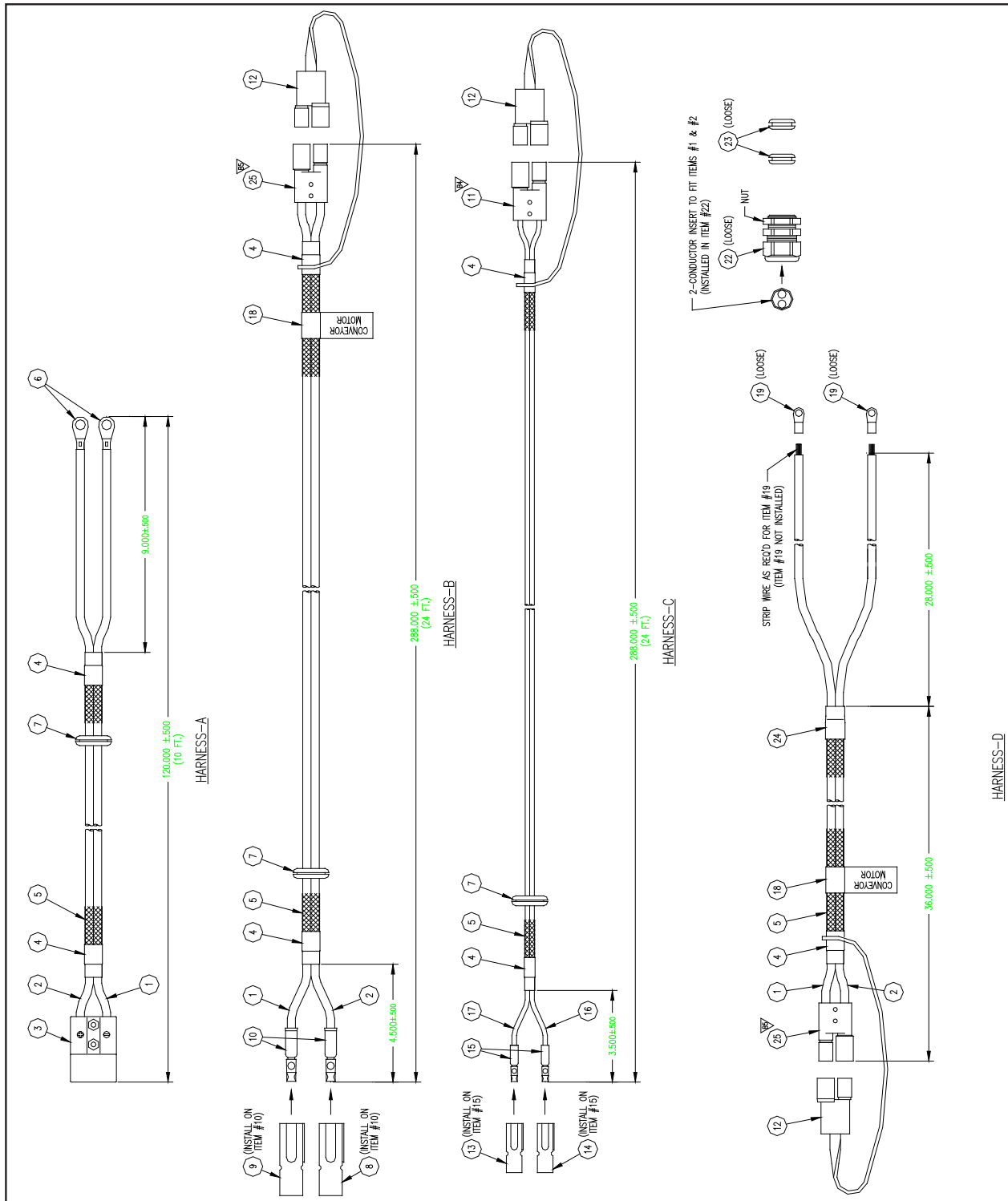


INSTALLATION AND INSTRUCTIONAL MANUAL

ELECTRIC V-BOX MATERIAL SPREADERS

ELECTRICAL WIRING HARNESS

04616-127-00



INSTALLATION AND INSTRUCTIONAL MANUAL

ELECTRIC V-BOX MATERIAL SPREADERS

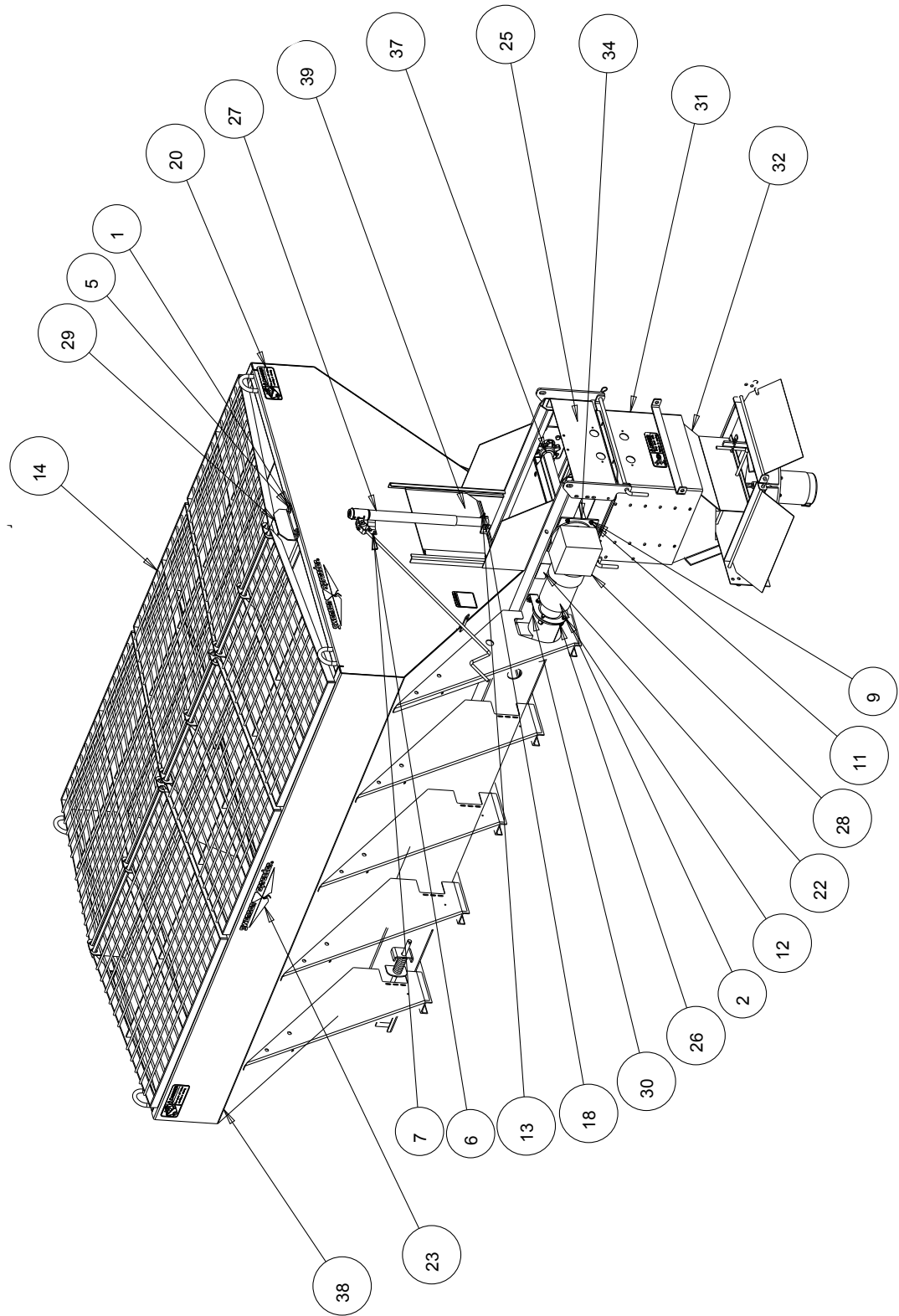
ELECTRICAL PARTS LISTING

25	RED MOLDED RUBBER CONNECTOR, 2-POLE GENDERLESS, GLOBAL HARNESS SYSTEMS, INC.	2
24	HEAT SHRINK TUBE SIZED TO FIT (ELECTRICAL TAPE IS UNACCEPTABLE IN THIS LOCATION)	AS REQ'D
23	RUBBER GROMMET, .312 ID X 1.000 OD X .375 THK FOR .125 PANEL THK & .750 DIA PANEL HOLE (LOOSE)	2
22	2-CONDUCTOR MULTI-CORD LIQUID-TIGHT CORD GRIP WITH INSERT, 3/4" NPT, TO FIT ITEMS #1 & #2 (LOOSE)	1
19	RING TERMINAL, #6 AWG X 1/4" STUD SIZE (LOOSE)	2
18	PERMANENT TAG MARKED "CONVEYOR MOTOR", ANY COLOR ACCEPTABLE BUT RED	2
17	WIRE, 10 GA SAE J1127 TYPE SGX (YELLOW)	AS REQ'D
16	WIRE, 10 GA SAE J1127 TYPE SGX (GREEN)	AS REQ'D
15	ANDERSON PP75/SB50 CONTACT, CAT. #5915 75A #10 AWG	2
14	ANDERSON POWERPOLE CONNECTOR, CAT. #5916G6 75A (GREEN)	1
13	ANDERSON POWERPOLE CONNECTOR, CAT. #5916G5 75A (WHITE)	1
12	CAP/PLUG FOR MOLDED RUBBER CONNECTOR, GLOBAL HARNESS SYSTEMS, INC	3
11	BLACK MOLDED RUBBER CONNECTOR, 2-POLE GENDERLESS, GLOBAL HARNESS SYSTEMS, INC	1
10	ANDERSON PP120 CONTACT, CAT. #1319G6 120A #6 AWG	2
9	ANDERSON POWERPOLE CONNECTOR, CAT. #1321 120A (BLUE)	1
8	ANDERSON POWERPOLE CONNECTOR, CAT. #1321G2 120A (WHITE)	1
7	RUBBER GROMMET, .750 ID X 1.375 OD X .375 THK FOR .062 PANEL THK & 1.062 DIA PANEL HOLE	3
6	RING TERMINAL, #6 AWG X 3/8" STUD SIZE	2
5	BRAIDED LOOM, BLACK	AS REQ'D
4	HEAT SHRINK TUBE SIZED TO FIT, OR ELECTRICAL TAPE	AS REQ'D
3	ANDERSON DUAL POLE CONNECTOR, CAT. #6810G3 SB SERIES 120A (RED) (INSTALLED COMPLETE)	1
2	WIRE, 6 GA SAE J1127 TYPE SGX (RED)	AS REQ'D
1	WIRE, 6 GA SAE J1127 TYPE SGX (BLACK)	AS REQ'D
ITEM	DESCRIPTION	QTY

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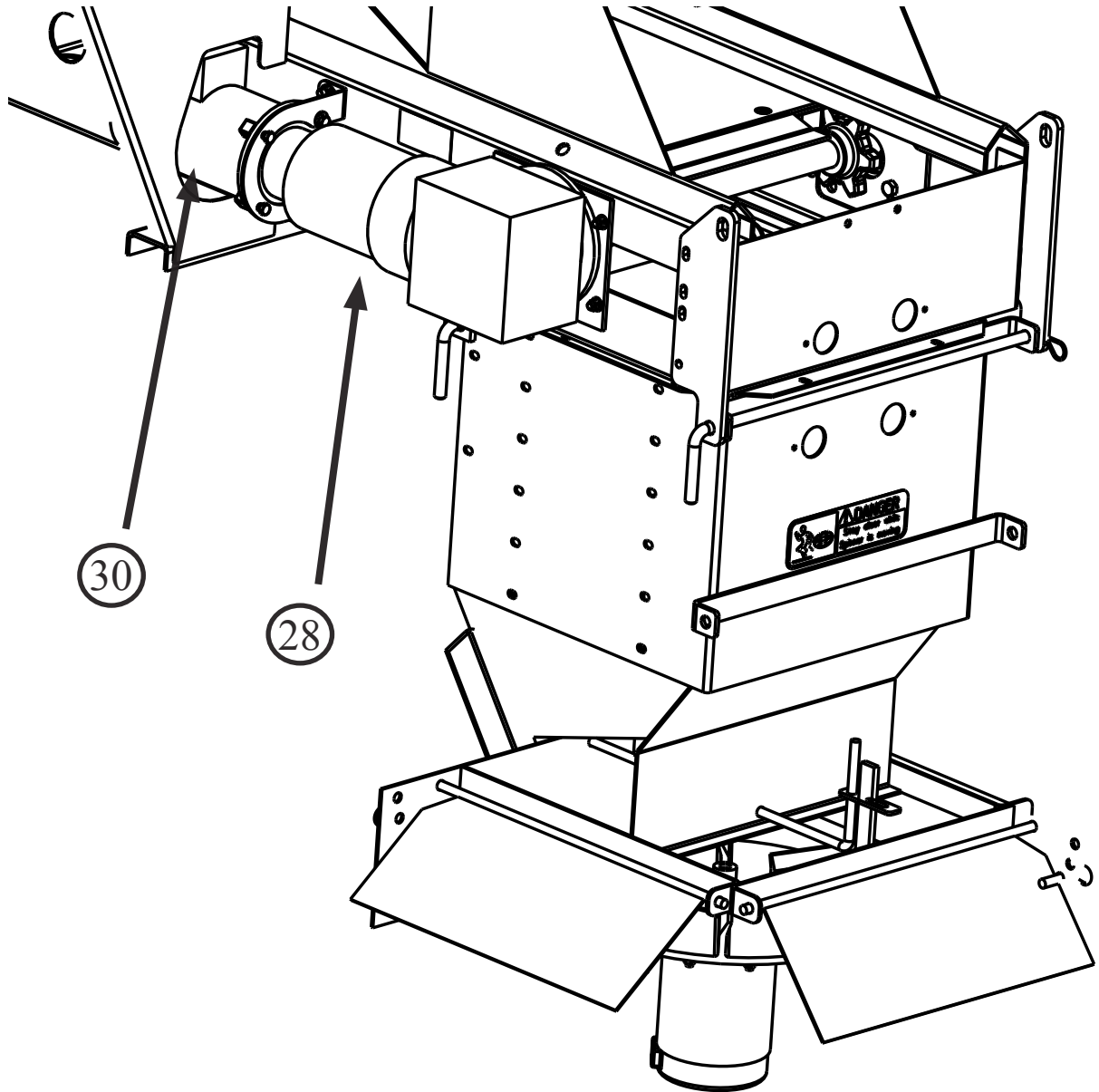
ELECTRIC V-BOX MATERIAL SPREADERS

PARTS DIAGRAMS AND LISTINGS



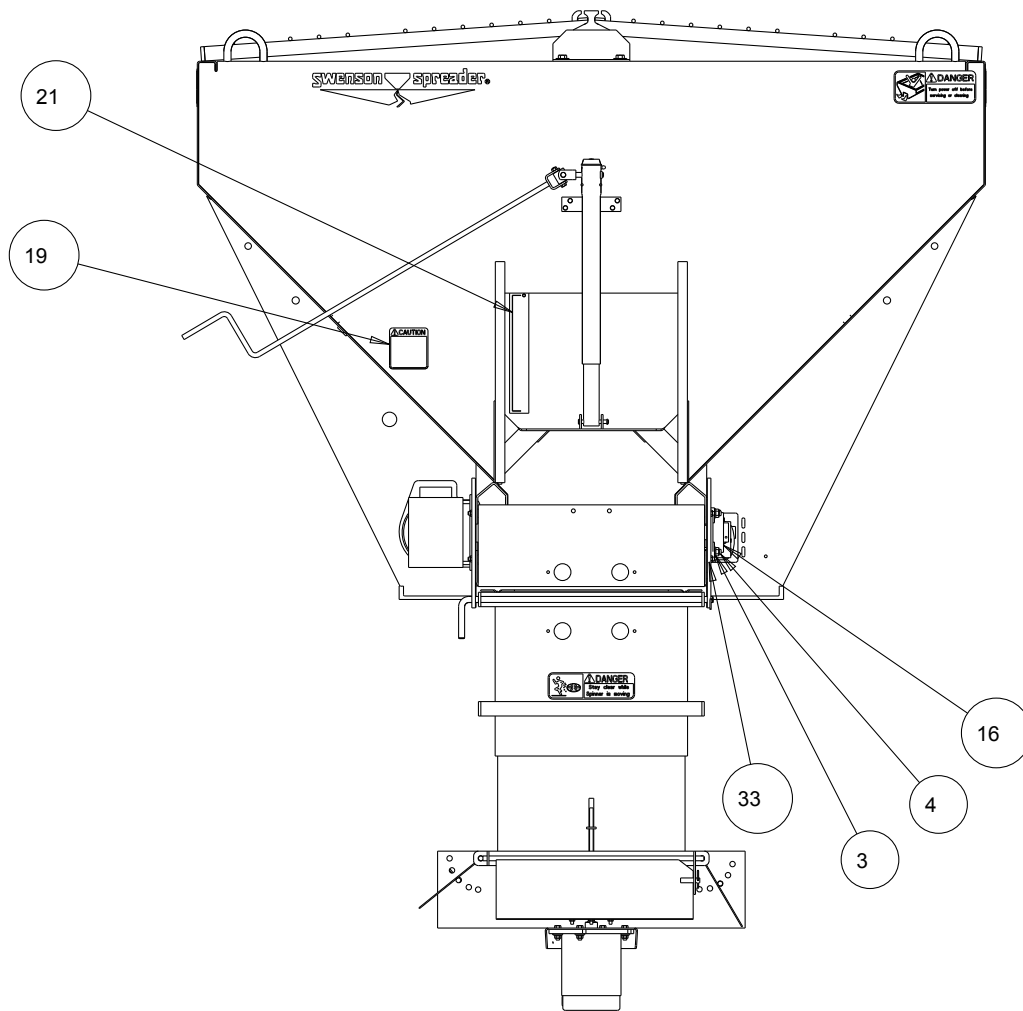
INSTALLATION AND INSTRUCTIONAL MANUAL

ELECTRIC V-BOX MATERIAL SPREADERS



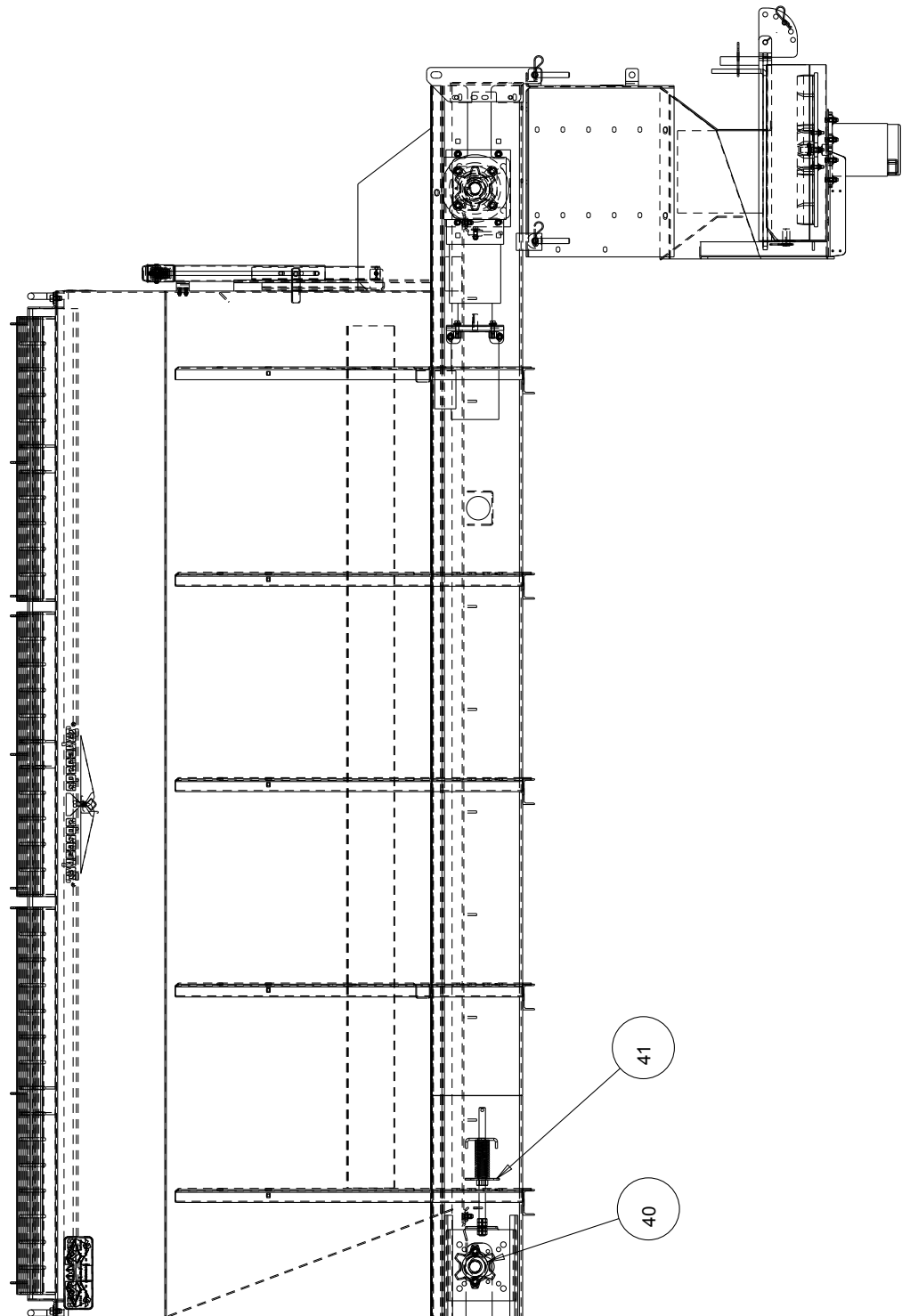
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ELECTRIC V-BOX MATERIAL SPREADERS



INSTALLATION AND INSTRUCTIONAL MANUAL

ELECTRIC V-BOX MATERIAL SPREADERS



INSTALLATION AND INSTRUCTIONAL MANUAL

ELECTRIC V-BOX MATERIAL SPREADERS

~	00123-208-00	P, CONTROL VBEL ELECTRIC DUAL	1
44	04045-048-00	KEY, COTTER	2
43	04045-044-00	PIN, MASTER	2
42	04045-390-04	WELD, DRAG CHAIN 10 FT	1
41	50100-003-00	Y, TAKE-UP HARDWARE	1
40	50100-001-02	Y, IDLER 6 TH 1-1/4 SHAFT	1
39	09052-000-00	WELDMENT, FEEDGATE CS	1
38	60051-001-01	WELD, HOPPER 10-82-56 10G CS	1
37	00123-187-00	WELD, DRIVE SHAFT	1
36	04003-018-04	SCREW, 3/8"-16x1.25 SLT CTRSNK	4
35	50001-007-25	PLATE, V-BOX FLOOR	1
34	00123-169-01	PLATE, GEARBOX 1/4 CS	1
33	00118-046-01	PLATE, BEARING CS	1
32	00123-194-01	P, VBEL 18 POLYSPNR 10G CS FRM	1
31	00001-962-61	P, SPINNER SU EXT	1
30	04150-050-00	MOTOR, 12V 1650 RPM 60A 1/2 HP	1
29	00117-963-00	I-BEAM WELDMENT 10 FT CS	1
28	04132-148-00	GEARBOX,	1
27	00111-578-01	GATEJACK (LH-35-3/8")	1
26	00123-184-01	FORM, MTG MOTOR 10G CS	1
25	00118-123-01	FORM, LONGITUDINAL COVER 10G CS1	1
24	50001-010-01	FLOOR NOSEPIECE	2
23	04049-002-00	DECAL, SWENSON LOGO (BLACK)	3
22	04049-165-00	DECAL, SERIAL NUMBER	1
21	04049-083-00	DECAL, GATE RULER	1
20	04049-182-00	DECAL, DANGER (Conveyer)	3
19	04049-045-00	DECAL, CAUTION	1
18	04010-016-01	COTTER PIN, 1/8"X1"	1
17	04086-010-00	BLADE, WIPER (SHORT)	1
16	04080-047-00	BEARING, 1 1/2"	1
15	00102-859-00	BAR, WIPER BACKUP	1
14	00118-060-01	ADD-ON, SCREEN 10 FT	1
13	04014-002-10	3/8"X3" CLEVIS PIN SS	1
12	04003-003-04	3/8"-16x1.25" HH BOLT ZP	7
11	04003-033-02	3/8"-16x1" CAR BOLT GR5 ZP	10
10	04003-804-02	3/8"-16 NYLON LOCKNUT ZP	4
9	04003-806-02	3/8"-16 FLANGE NUT ZP	19
8	04004-002-08	3/8" FLATWASHER ZP	7
7	04003-001-11	1/4"-20X3/4" HH BOLT SS	4
6	04003-806-15	1/4"-20 FLANGE NUT SS	4
5	04003-005-01	1/2"-13x1" HH BOLT ZP	6
4	04003-005-05	1/2"-13X1-1/2" HH BOLT ZP	4
3	04003-806-03	1/2"-13 FLANGE NUT ZP	4
2	04004-001-09	1/2" LOCKWASHER ZP	4
1	04004-002-10	1/2" FLATWASHER ZP	4
ITEM	PART NUMBER	DESCRIPTION	QTY

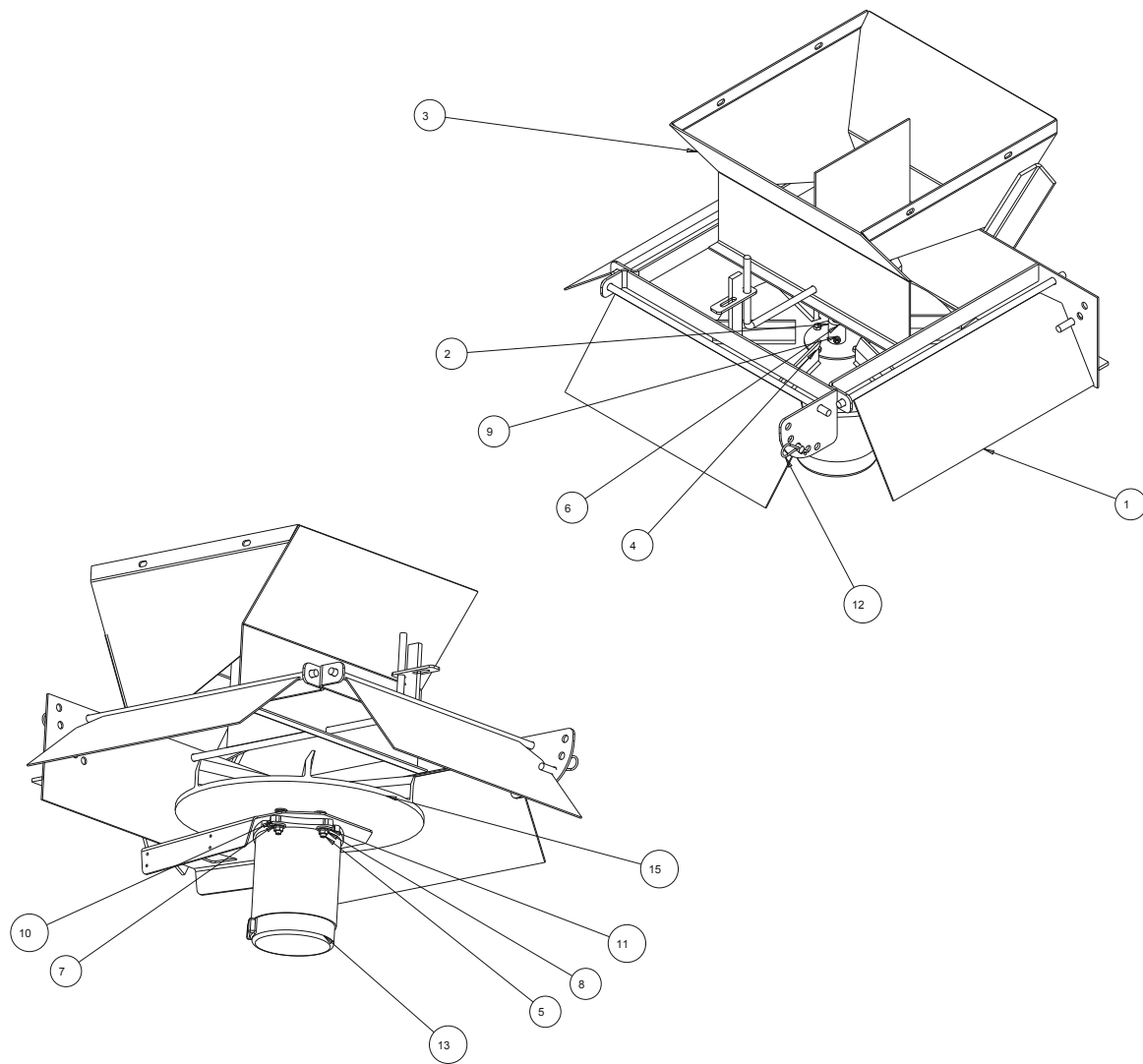
INSTALLATION AND INSTRUCTIONAL MANUAL

ELECTRIC V-BOX MATERIAL SPREADERS

~	00123-208-00	P, CONTROL ELECTRIC DUAL	1
44	04045-048-00	KEY, COTTER	2
43	04045-044-00	PIN, MASTER	2
42	04045-390-04	WELD, DRAG CHAIN 10 FT	1
41	50100-003-00	Y, TAKE-UP HARDWARE	1
40	50100-001-02	Y, IDLER 6 TH 1-1/4 SHAFT	1
39	00117-973-02	WELD, I-BEAM 10 FT S2	1
38	60051-001-02	WELD, HOPPER 10-82-56 12G S2	1
37	00107-412-02	WELD, FEEDGATE	1
36	00123-187-00	WELD, DRIVE SHAFT	1
35	04003-018-05	SCREW, 3/8"-16x1.25 SLT CSNK SS	4
34	50001-007-132	PLATE, V-BOX FLOOR 10 FT 10G S2	1
33	00123-169-02	PLATE, GEARBOX 1/4 S3	1
32	00118-046-00	PLATE, BEARING	1
31	00123-194-02	P, VBEL 18 POLY SPNR 12G S2 FRM	1
30	00001-962-73	P, SPINNER SU EXT 12G S2	1
29	04150-050-00	MOTOR, 12V 1650 RPM 60A 1/2 HP	1
28	04132-148-00	GEARBOX,	1
27	00111-578-01	GATEJACK (LH-35-3/8")	1
26	00123-184-02	FORM, MTG MOTOR 10G S2	1
25	00118-123-04	FORM, LONGITUDINAL COVER 12G S2	1
24	50001-010-06	FLOOR NOSEPIECE	2
23	04049-002-00	DECAL, SWENSON LOGO (BLACK)	3
22	04049-165-00	DECAL, SERIAL NUMBER	1
21	04049-083-00	DECAL, GATE RULER	1
20	04049-182-00	DECAL, DANGER (Conveyer)	3
19	04049-045-00	DECAL, CAUTION	1
18	04010-016-01	COTTER PIN, 1/8"X1"	1
17	04086-010-00	BLADE, WIPER (SHORT)	1
16	04080-047-00	BEARING, 1 1/2"	1
15	00102-859-04	BAR, WIPER BACKUP S2	1
14	00118-060-01	ADD-ON, SCREEN 10 FT	1
13	04014-002-10	3/8"X3" CLEVIS PIN SS	1
12	04003-003-26	3/8"-16x1.25" HH BOLT S.S.	7
11	04003-033-10	3/8"-16x1" CAR BOLT GR5 SS	10
10	04003-804-08	3/8"-16 NYLON LOCKNUT SS	4
9	04003-806-12	3/8"-16 FLANGE NUT SS	19
8	04004-002-20	3/8" FLATWASHER S.S.	7
7	04003-001-11	1/4"-20X3/4" HH BOLT SS	4
6	04003-806-15	1/4"-20 FLANGE NUT SS	4
5	04003-005-17	1/2"-13x1" HH BOLT S.S.	6
4	04003-005-24	1/2"-13X1-1/2" HH BOLT SS	4
3	04003-806-16	1/2"-13 FLANGE NUT SS	4
2	04004-001-16	1/2" LOCKWASHER S.S.	4
1	04004-002-22	1/2" FLATWASHER S.S.	4
ITEM	PART NUMBER	DESCRIPTION	QTY

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ELECTRIC V-BOX MATERIAL SPREADERS

04050-001-00

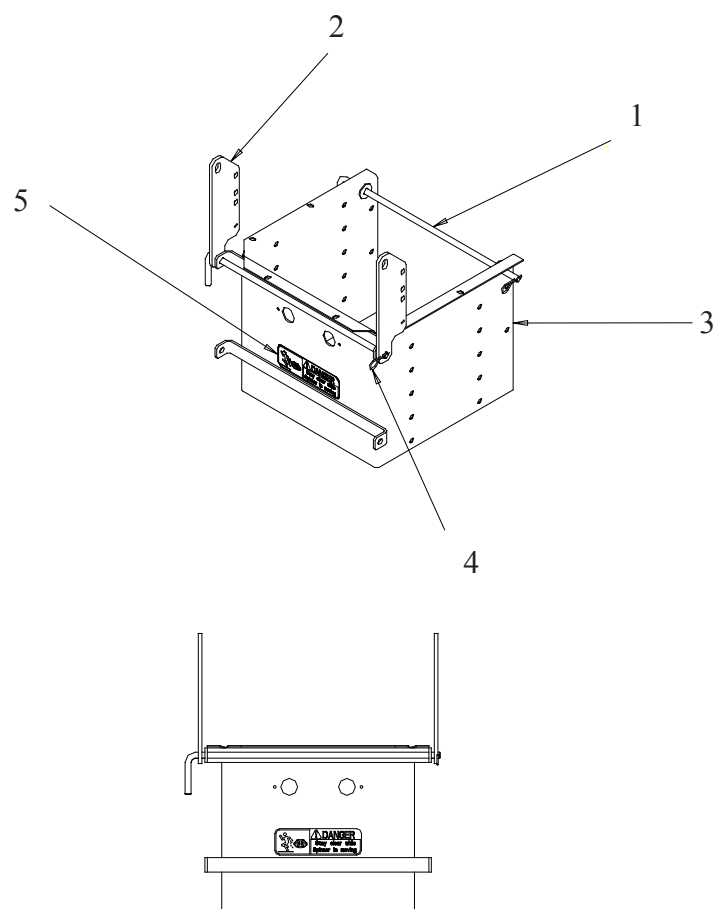
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15	04622-079-00	DISC, POLY 18" 1.62 BORE CCW	1
14	04607-013-00	TIE, NYLON	2
13	04150-051-00	MOTOR, ELECTRIC 1/2 HP 12V	1
12	04011-001-02	KEEPER, HAIRPIN LARGE	3
11	04004-002-08	3/8" FLATWASHER ZP	4
10	04004-002-07	5/16" FLATWASHER ZP	4
9	04003-818-01	LOCKNUT, M6-1.0 TOP LOCK SS	1
8	04003-806-02	3/8"-16 FLANGE NUT ZP	4
7	04003-806-01	5/16"-18 FLANGE NUT ZP	4
6	04003-187-03	BOLT, M6 X 40MM HH SS	1
5	04003-003-04	3/8"-16x1.25" HH BOLT ZP	4
4	04003-002-05	5/16"-18X1-1/4" HH BOLT ZP	4
3	00123-192-01	WELD, VBEL SPINNER FRAME 10G CS	1
2	00122-256-01	WELD, SPINNER HUB CS	1
1	00105-337-01	WELD, BAFFLE	3
ITEM	PART NUMBER	DESCRIPTION	QTY
00123-194-01 P, VBEL 18 SPNR 10G CS FRM			

15	04622-079-00	DISC, POLY 18" 1.62 BORE CCW	1
14	04607-013-00	TIE, NYLON	2
13	04150-051-00	MOTOR, ELECTRIC 1/2 HP 12V	1
12	04011-001-02	KEEPER, HAIRPIN LARGE	3
11	04004-002-08	3/8" FLATWASHER ZP	4
10	04004-002-07	5/16" FLATWASHER ZP	4
9	04003-818-01	LOCKNUT, M6-1.0 TOP LOCK SS	1
8	04003-806-02	3/8"-16 FLANGE NUT ZP	4
7	04003-806-01	5/16"-18 FLANGE NUT ZP	4
6	04003-187-03	BOLT, M6 X 40MM HH SS	1
5	04003-003-04	3/8"-16x1.25" HH BOLT ZP	4
4	04003-002-05	5/16"-18X1-1/4" HH BOLT ZP	4
3	00123-192-03	WELD, VBEL SPINNER FRAME 12G S3	1
2	00122-256-02	WELD, SPINNER HUB S3	1
1	00105-337-05	WELD, BAFFLE	3
ITEM	PART NUMBER	DESCRIPTION	QTY
00123-194-03 P, VBEL 18 SPNR 12G S3			

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5	04049-044-00	DECAL, DANGER (SPINNER)	1
4	04011-001-04	KEEPER, HAIRPIN	2
3	00122-664-07	WELD, SPINNER SU EXT 12G S4	1
2	00118-125-02	BRACKET, SPNR HOLDER	2
1	00105-394-01	ROD, HINGE	2
ITEM	PART NUMBER	DESCRIPTION	QTY
00001-962-72		12 GA. 409 STAINLESS STEEL	

--	04540-010-02	WELD WIRE	#
5	04049-044-00	DECAL, DANGER (SPINNER)	1
4	04011-001-04	KEEPER, HAIRPIN	2
3	00122-664-03	WELD, SPINNER SU EXT 10G S3	1
2	00118-125-02	BRACKET, SPNR HOLDER	2
1	00105-394-01	ROD, HINGE	2
ITEM	PART NUMBER	DESCRIPTION	QTY
00001-962-63		10 GA. 304 STAINLESS STEEL	

5	04049-044-00	DECAL, DANGER (SPINNER)	1
4	04011-001-04	KEEPER, HAIRPIN	2
3	00122-664-06	WELD, SPINNER SU EXT 12G S3	1
2	00118-125-02	BRACKET, SPNR HOLDER	2
1	00105-394-01	ROD, HINGE	2
ITEM	PART NUMBER	DESCRIPTION	QTY
00001-962-62		12 GA. 304 STAINLESS STEEL	

5	04049-044-00	DECAL, DANGER (SPINNER)	1
4	04011-001-02	KEEPER, HAIRPIN LARGE	2
3	00122-664-01	WELD, SPINNER SU EXT 10G CS	1
2	00118-125-01	BRACKET, SPNR HOLDER	2
1	00105-394-00	ROD, HINGE	2
ITEM	PART NUMBER	DESCRIPTION	QTY
00001-962-61		10 GA. HR CARBON STEEL	

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ELECTRIC V-BOX MATERIAL SPREADERS

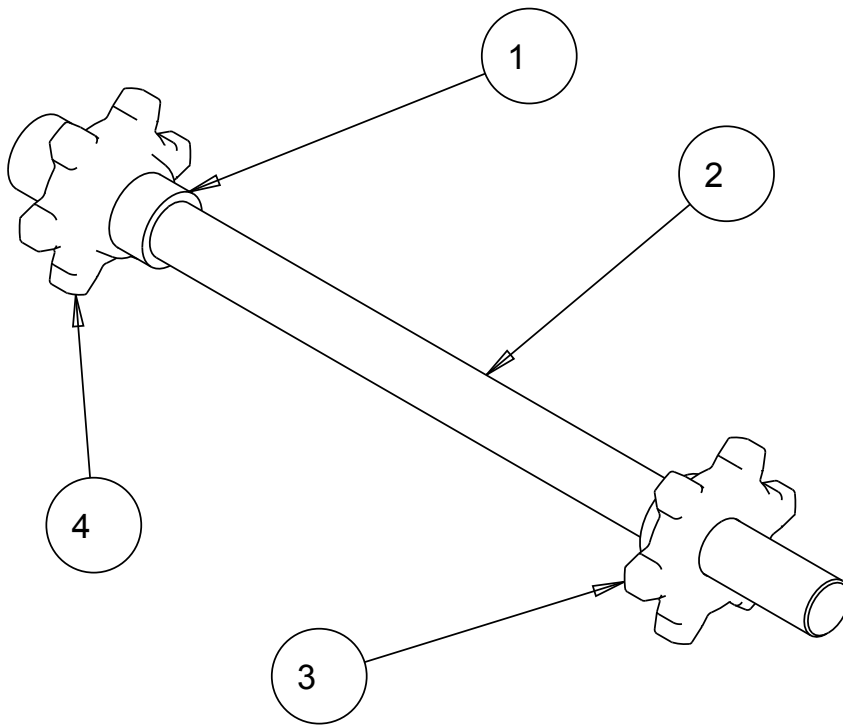
5	04049-044-00	DECAL, DANGER (SPINNER)	1
4	04011-001-04	KEEPER, HAIRPIN	2
3	00122-664-02	WELD, SPINNER SU EXT 10G S2	1
2	00118-125-02	BRACKET, SPNR HOLDER	2
1	00105-394-01	ROD, HINGE	2
ITEM	PART NUMBER	DESCRIPTION	QTY
00001-962-75		10 GA. 201 STAINLESS STEEL	

5	04049-044-00	DECAL, DANGER (SPINNER)	1
4	04011-001-04	KEEPER, HAIRPIN	2
3	00122-664-04	WELD, SPINNER SU EXT 10G S4	1
2	00118-125-02	BRACKET, SPNR HOLDER	2
1	00105-394-01	ROD, HINGE	2
ITEM	PART NUMBER	DESCRIPTION	QTY
00001-962-74		10 GA. 409 STAINLESS STEEL	

5	04049-044-00	DECAL, DANGER (SPINNER)	1
4	04011-001-04	KEEPER, HAIRPIN	2
3	00122-664-05	WELD, SPINNER SU EXT 12G S2	1
2	00118-125-02	BRACKET, SPNR HOLDER	2
1	00105-394-01	ROD, HINGE	2
ITEM	PART NUMBER	DESCRIPTION	QTY
00001-962-73		12 GA. 201 STAINLESS STEEL	

INSTALLATION AND INSTRUCTIONAL MANUAL

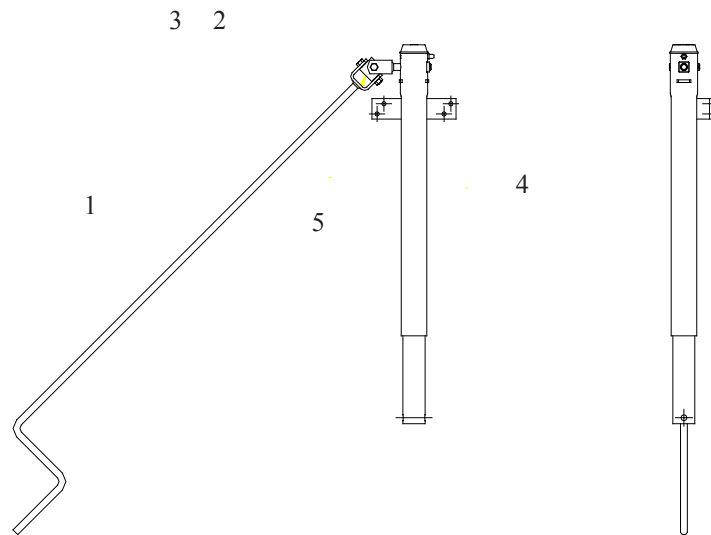
ELECTRIC V-BOX MATERIAL SPREADERS



4	00123-190-00	SPROCKET, DRAG CHAIN	1
3	00107-445-00	SPROCKET, DRAG CHAIN	1
2	00123-188-00	SHAFT, OUTPUT	1
1	00123-189-00	COUPLING, OUTPUT	1
ITEM	PART NUMBER	DESCRIPTION	QTY

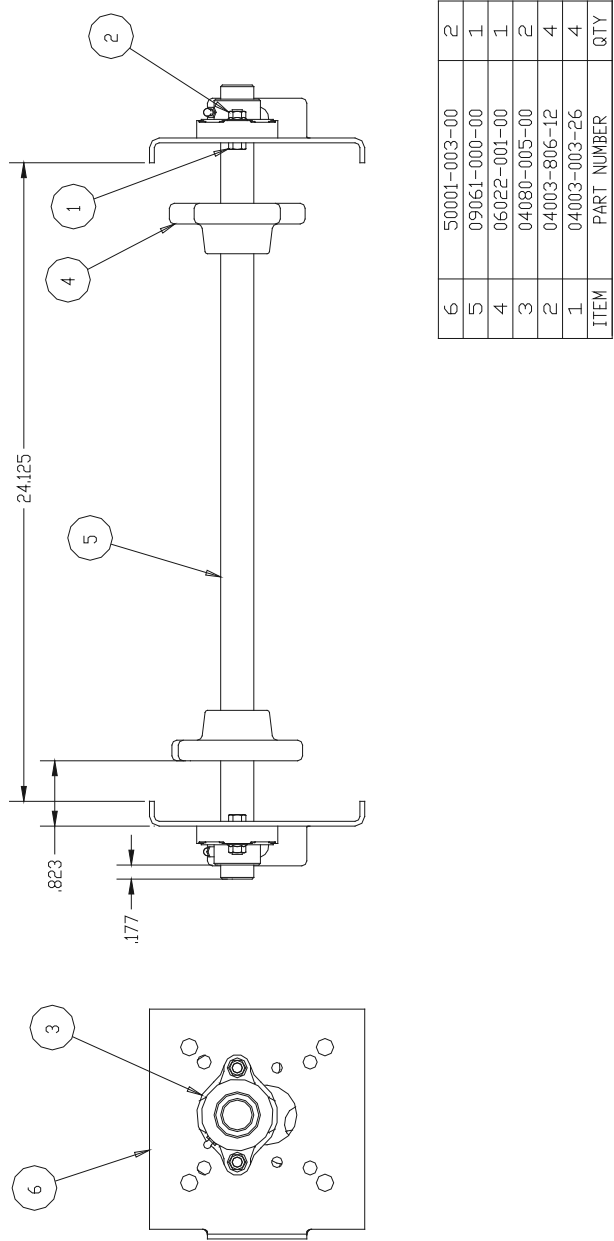
INSTALLATION AND INSTRUCTIONAL MANUAL

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ITEM	PART NUMBER	DESCRIPTION	QTY
1	00108-278-01	GATEJACK CRANK WELD	1
2	04003-002-31	5/16"-18x2" HH BOLT S.S.	2
3	04003-807-15	NUT, 5/16-18 CTR LOCK SS	2
4	04130-024-00	JACK, FEEDGATE (LH)	1
5	04622-006-00	U-JOINT	1
6	00118-051-00	INSTRUCTION MANUAL	1

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NAME PLATE INFORMATION

- When ordering parts or requesting information or assistance, always include the information listed below.
- The Model Number and Serial Number for the Spreader is shown on the name plate.
- The space below is provided as a convenient place to record these numbers; just fill in the blanks.

MODEL NUMBER _____

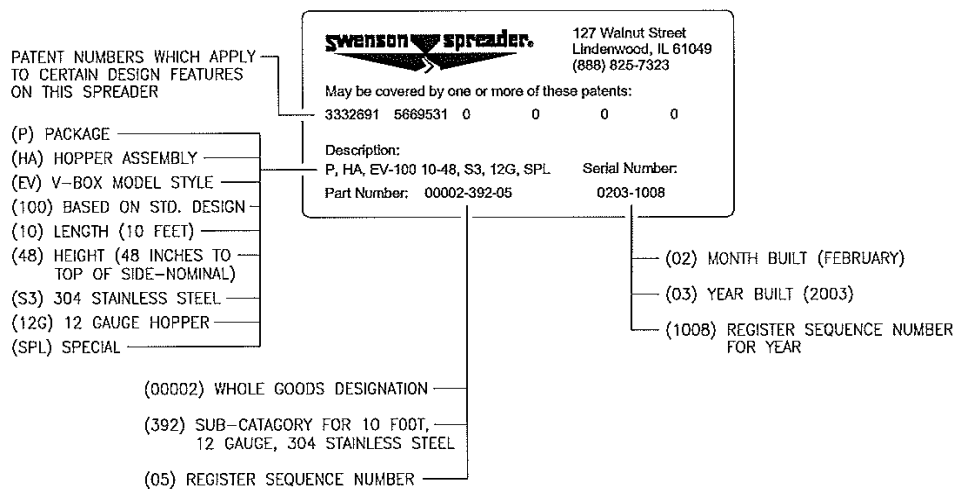
SERIAL NUMBER _____

DATE PURCHASED _____

PURCHASED FROM _____

DEALER'S SERVICE DEPARTMENT PHONE NUMBER _____

EXPLANATION OF SERIAL NUMBER DECAL



Z:\00111\00111-389-00RTJPD

CALL YOUR AUTHORIZED SWENSON SPREADER DEALER FOR PARTS AND SERVICE
SWENSON SPREADER (815) 393-4455
TOLL FREE (888) 825-7323
FAX (866) 310-0300
email: swensonsales@swensonspreader.com

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ELECTRIC V-BOX MATERIAL SPREADERS



Dealers have the responsibility of calling to the attention of their customers the following warranty prior to acceptance of an order from that customer for any SWENSON® product.

WARRANTY

WHAT THIS WARRANTY COVERS

Swenson Spreader LLC (hereinafter "Swenson") is committed to assuring Customer satisfaction with the Spreader (hereinafter "Product"). Swenson warrants to the original owner (hereinafter "Purchaser") of the Product to be free from defects in material and workmanship for the following term: Swenson warrants ALL PARTS AND ASSEMBLIES to be free from defects in material and workmanship for a period of one year from the date of purchase. Installation of the Product must be in accordance with Swenson's instructions. This warranty extends to the Purchaser and may not be assigned without the prior written approval of Swenson; except a distributor may assign this warranty to the first titled owner of the Product.

If a Product has a defect in material or workmanship covered by the warranty, Swenson will (at our option) either replace or repair said part. Swenson's has sole discretion as to repair of defects covered by this warranty, or replacement of the Product. Swenson's responsibilities as described herein shall not exceed the amount of the purchase of the Product.

WHAT THIS WARRANTY DOES NOT COVER

Swenson's warranty does not extend to Product which have been misused, abused, improperly installed, repaired with non-genuine Swenson parts, improperly cared for, if materials such as lava rock or cinders are used, or for which payment has not been made. The warranty is void if repairs or alterations to the Product are made by unauthorized persons, or the Product serial numbers have been altered or defaced.

All gasoline engines and hydraulic pumps are warranted by their manufacturer and not by Swenson Spreader LLC. Electrical or hydraulic components are not to be disassembled without the express written permission of Swenson Spreader LLC.

THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. THERE IS NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SWENSON'S MAXIMUM OBLIGATION AND LIABILITY UNDER THIS WARRANTY SHALL BE LIMITED TO AN AMOUNT EQUAL TO THE PRESENT PURCHASE PRICE FOR THE SWENSON PRODUCT. SWENSON SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE, WHETHER DIRECT OR INDIRECT, INCIDENTAL, CONSEQUENTIAL OR OTHERWISE ARISING OUT OF BREACH OF THIS WRITTEN WARRANTY OR ANY IMPLIED WARRANTY. Some states do not allow limitations on how long an implied warranty will last or the exclusion or limitation of incidental or consequential damages.

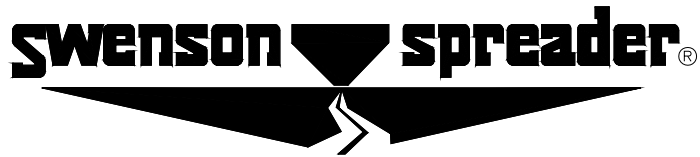
Defective parts returned to Swenson Spreader LLC must be accompanied by the following information:

RG#	_____
Spreader Model	_____
Serial Number	_____
Date Installed	_____
Where Purchased	_____

Purchaser accepts these terms and warranty limitations unless product is returned within fifteen days for full refund of purchase price.

Effective 4/15/05

**INSTALLATION AND INSTRUCTIONAL MANUAL
ELECTRIC V-BOX MATERIAL SPREADERS**



**SWENSON SPREADER LLC
P.O. BOX 127
LINDENWOOD, ILLINOIS 61049-0127**

**PHONE: (815)393-4455
TOLL FREE: (888)825-7323
SALES & SERVICE FAX: (866)310-0300**

**email: swensonsales@swensonspreader.com
website: www.swensonspreader.com**

**IMPORTANT
INFORMATION
ENCLOSED**