



Models- 8100, 8500 angled lock bar
8200, 8600 pin lock
Single Door Vacuums

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8100



8200



8500LD



8600LD

PRODUCT INFORMATION

Please take a moment to fill out the information below in order to aid us with any future sales or service inquiries. Model number and serial number information can be found on the serial tag located inside the control box and/or on the lower exterior of the can. Key number can be found on the tag that comes attached to the keys. There may be more than one key number depending on unit.

Please keep this information with your records.

MODEL#: _____

SERIAL#: _____

KEY NUMBER(S): _____

DATE PURCHASED: _____

DISTRIBUTOR: _____

**J.E. Adams Industries
1025 63rd Ave. S.W.
Cedar Rapids, IA 52404
1-800-553-8861
www.jeadams.com**

Specifications

Unit specifications: *(All 2 vacuum motor units)*

Voltage: 120VAC, 60Hz
Amperage: (1) 20 amp service is required for this unit
Weight: 137-147 lbs
Motors: (2) 120VAC vacuum motor
Fuses: (2) 10 amp inline fuses

220VAC units:

Unit specifications: *(All 2 vacuum motor units)*

Voltage: 220VAC, 50Hz
Amperage: (1) 15 amp service is required for this unit
Weight: 137-147 lbs
Motors: (2) 220VAC vacuum motor
Fuses: (2) 8 amp inline fuses

Duty cycle time 4 minutes on, 4 minutes off.

NOTE: "UNIT INTENDED FOR COMMERCIAL USE ONLY"

IMPORTANT SAFETY INSTRUCTIONS

When using an electrical appliance, basic precautions should always be followed, including the following:

READ ALL INSTRUCTIONS BEFORE USING (THIS APPLIANCE)

WARNING – To reduce the risk of fire, electric shock, or injury:

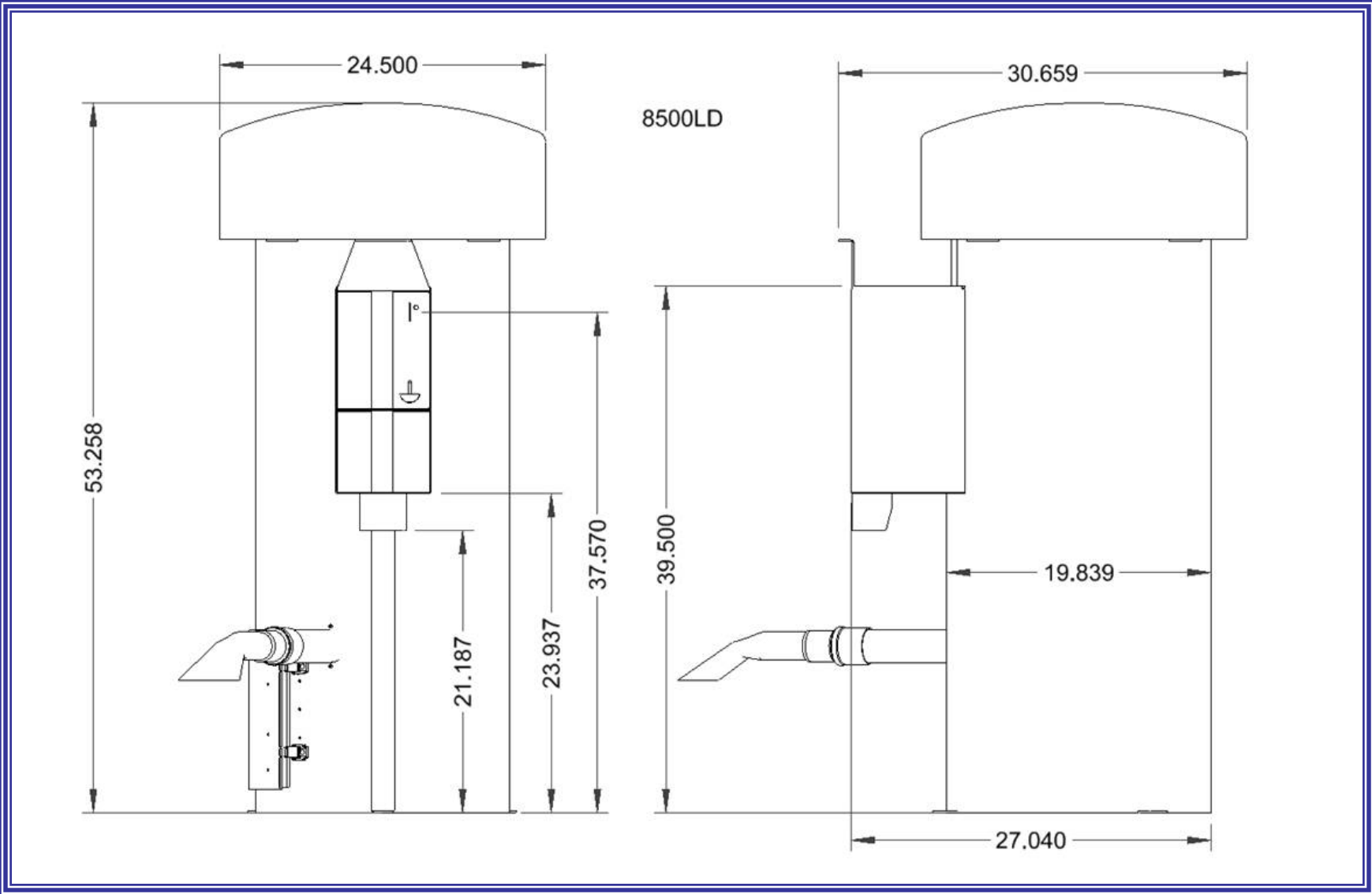


- Do not use on wet surfaces.
- Use only as described in manual. Use only manufactures recommended attachments.
- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair and anything that may reduce air flow.
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
- Do not use to pick up flammable or combustible liquids, such as gasoline, or use in areas where they may be present.
- Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- Do not use without dust bag and/or filters in place.

SAVE THESE INSTRUCTIONS

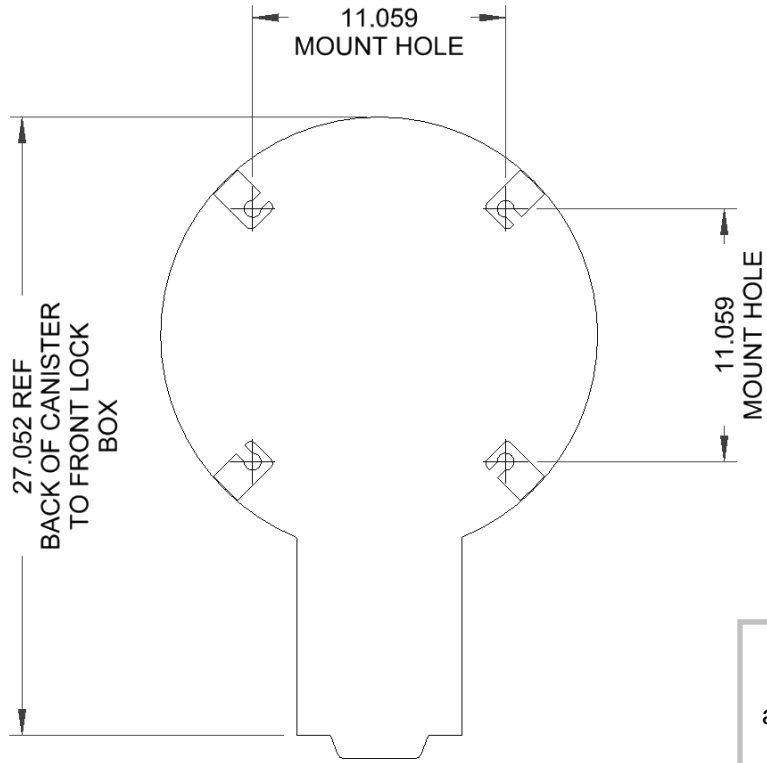
- **Installation Instructions:**
- Determine location to mount unit (“**DANGER**” “**THIS EQUIPMENT INCORPORATES PARTS SUCH AS SWITCHES, MOTORS, OR THE LIKE THAT TEND TO PRODUCE ARCS OR SPARKS THAT CAN CAUSE AN EXPLOSION. WHEN LOCATED IN GASOLINE-DISPENSING AND SERVICE STATIONS INSTALL AND USE AT LEAST 20 FEET (6 M) HORIZONTALLY FROM THE EXTERIOR ENCLOSURE OF ANY DISPENSING PUMP AND AT LEAST 18 INCHES (450 MM) ABOVE A DRIVEWAY OR GROUND LEVEL.**”
- Run electrical service to that location (*NOTE UNIT HAS WIRE PROVIDED UNDERNEATH TO CONNECT INCOMING POWER SUPPLY*).
- **Grounding Instructions:** This appliance must be connected to a grounded metal, permanent wiring system; or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment-grounding terminal or lead on the appliance.
- All local and national electric codes must be followed for installation and use.
- Licensed electricians are recommended for installation.

Product Dimensions

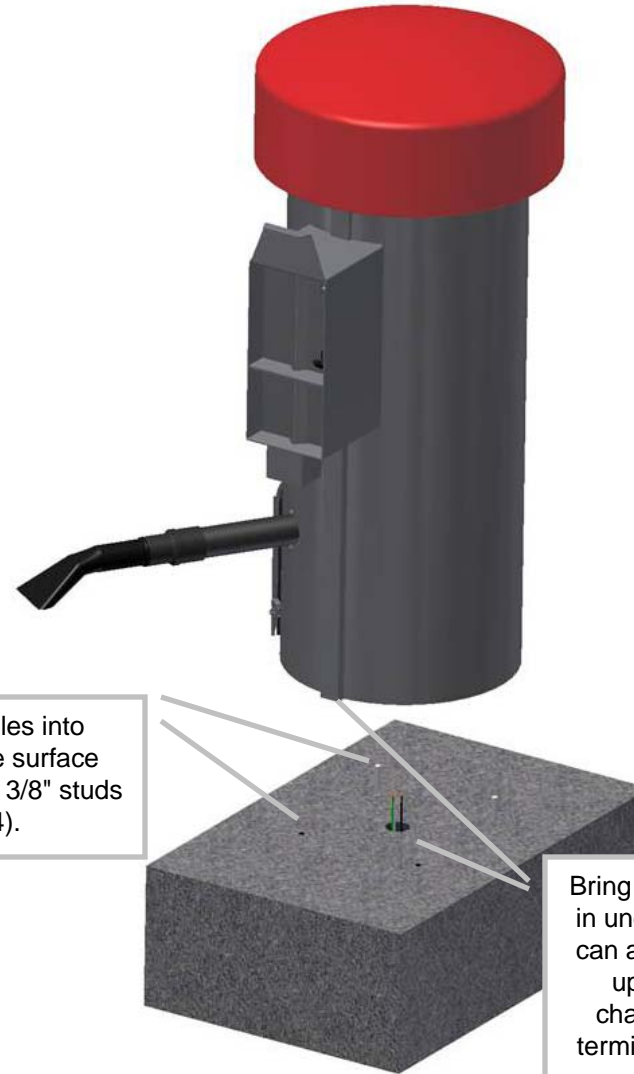


Installation:

PLAN VIEW

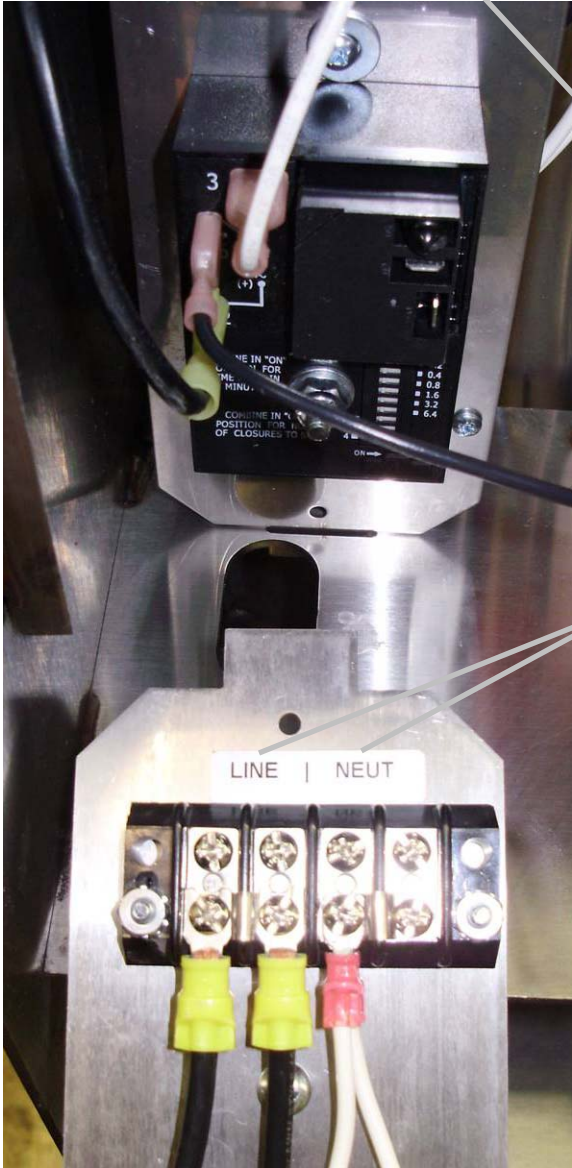


NOTE: when mounting, provide clearance so cleanout door can open!!





Bring electrical in underneath can and route up front channel to terminal strip.

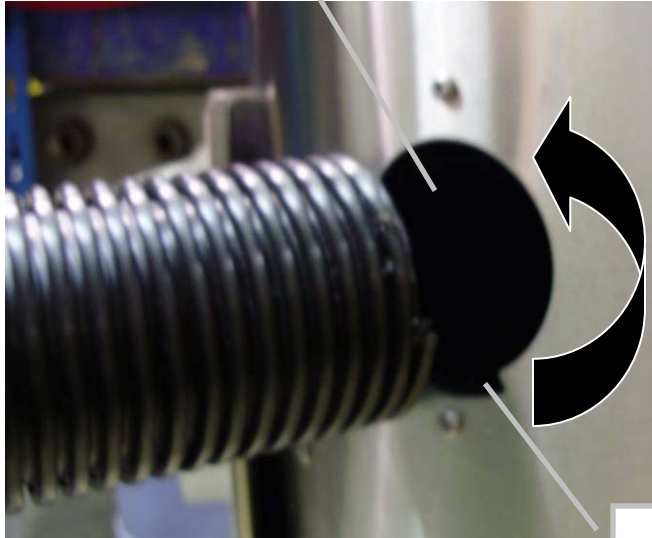


Remove screw from uppermost point of timer plate and tilt/flip down as shown below.

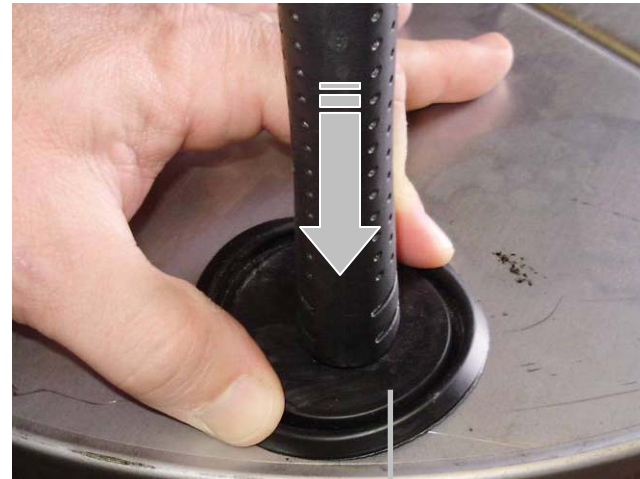
With timer plate flipped down as shown, add incoming power "line and neutral" to terminal strip. (120V)

To attach hose,
thread into metal hole
counter clockwise.

Once unit has been installed use 5871B8 cap plugs (supplied with unit) to seal holes in canister bottom located in lower cleanout door. Extra cap plugs are included with the unit in case plug becomes damaged during shipping removal.



Edge of
hose will
need to start
here.



To insert 5871B8 cap plugs into bottom holes, pinch cap plug into place using index finger and thumb. With edges of plug resting against edges of hole, firmly push down on plug with end of hammer or other blunt object until plug snaps into place.

Now the unit can be turned on and programmed.

Programming Instructions:

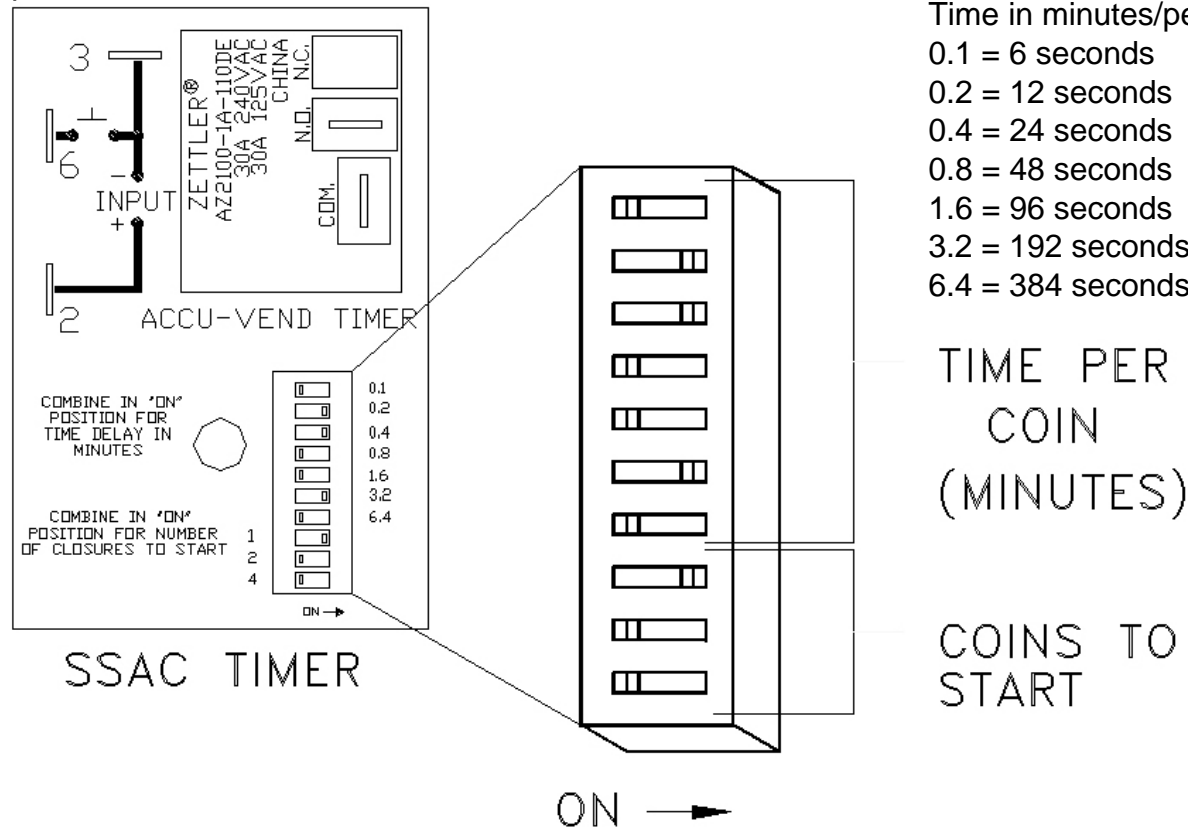
Coin acceptor:

No programming to acceptor needed if unit was purchased with the standard Imonex Z3 acceptor (8149 JEA part number) as it is built accept US quarters.

If different acceptor was purchased, see additional literature sent along with unit for programming info.

Programming:

The below timer pictured is the standard SSAC model that allows the end user to select the "coins to start" and the "time per coin" by settings series of dip switches. The number of "coins to start" dip switch is how many quarters are needed to make the machine come on. In the below example, the "one coin" dip is selected which makes the unit come on with one coin. The "time per coins" will then need to be set, but a good rule of thumb would be 4 minutes which requires dip switches 3.2 and .8 to be set to on. This scenario means 1 quarter will provide 4 minutes of vacuum time. The time per coin setting can be modified as desired by simply adding or subtracting time. If the operator would later decide to increase the cost of the unit to "2" quarters, the 2 dip switch would need to be in the on position (all other off) and the time dip switches would need to have the 1.6 and 0.4 dips selected. This would allow 2 minutes of time for each quarter for a total of 4 minutes for two quarters.



Operating Instructions:

- Insert payment to start vacuum.
- Once service is used, hang up hose.

Maintenance:

- **All servicing of machine should be conducted by an authorized service representative!**
- Filter bags should be accessed and shaken down weekly. It is recommended to keep a new set of bags on hand so that once every few months the bags can be replaced and then laundered.
- To maintain performance, empty dirt bin from the canister on a regular basis.
- Periodically inspect wires and connections for wear or fatigue.
- Check door and motor gaskets periodically for signs of wear or damage and replace as needed.
- Check vac hose for cracks on a weekly basis.
- Clean canister with a stainless steel cleaner as needed. Decals can be cleaned with mild soap and water.
- Check motor brushes every month for excessive wear. Motor brushes should be changed immediately if they are shorter than ¼". **Please disconnect power before doing this!**





DISCONNECT POWER BEFORE SERVICING OR TROUBLESHOOTING!



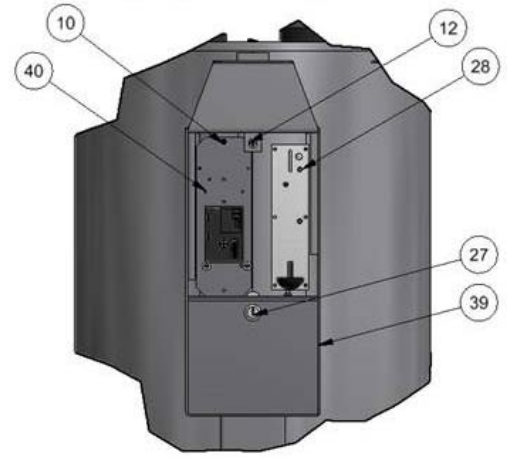
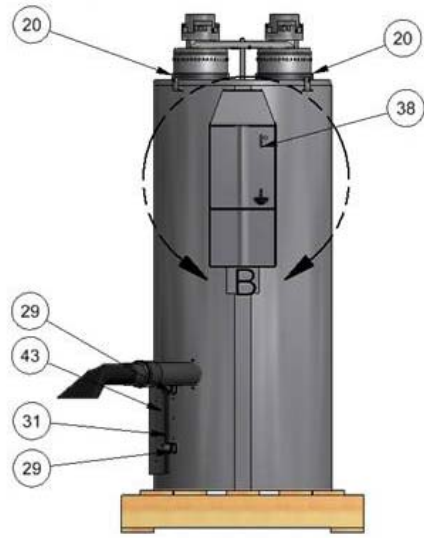
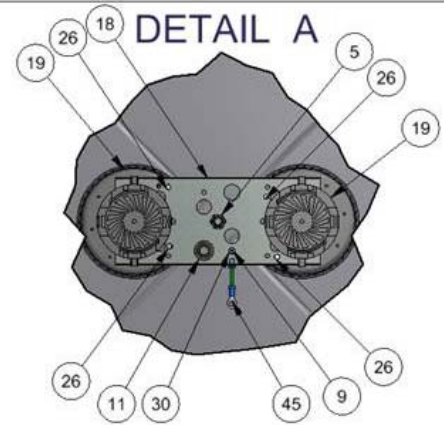
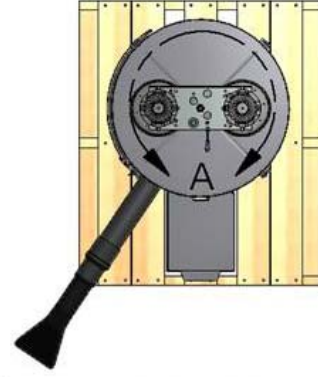
Troubleshooting:

Problem	Possible cause	Solution
Unit is not powered.	Breaker inside fuse panel is not in the on position.	Turn breaker on.
	No power to machine.	Check incoming power line voltage.
	Loose connection.	Check incoming power connection.
Machine is behaving erratically.	Is the incoming power at 120V?	Check voltage and monitor while machine runs. Low voltage can cause erratic behavior.
	Are any of the machines wires worn through or connections not making contact?	Inspect wiring and connections. Look for sharp bends in wires and places where wire is against the metal chassis.

Unit keeps tripping breaker.	Inadequate wire size ran to machine.	Call electrician and install proper wire size for electrical service versus length or run.
	Wrong size breaker.	Install correct breaker (only if wire size is adequate to handle breaker).
Fuses for vac motors keep blowing.	Inadequate wire size ran to machine.	Call electrician and install proper wire size for electrical service versus length or run.
	Motor brushes may be bad or too short.	Replace motor brushes.
Lack of vacuum suction.	Vac hose clogged?	Clean debris from vac hose.
	Filter bags need cleaned or dirt chamber needs emptied?	Shake or clean filter bags or replace and empty lower dirt chamber.
	Vac hose is split?	Replace/repair vac hose.
	Cleanout door gaskets torn or worn?	Replace gaskets.
	Vac motor gaskets are worn or motor is not tight against.	Inspect/replace gaskets and assure motor is tight against them.
	Lower chamber cap plugs/mounting hole covers have popped out?	Open lower chamber and inspect plugs, order new if needed.
	Cleanout door gaskets torn or worn?	Replace gaskets.
	One of the vac motors is not working?	Check line motor fuse and replace. Replace motor if necessary.

PART NO.		8100						
BILL OF MATERIALS				BILL OF MATERIALS				
ITEM	PART NUMBER	DESCRIPTION	QTY	ITEM	PART NUMBER	DESCRIPTION	QTY	
37	8437D001	DECAL, ETL LISTED	1	1	2036	HOSE, 2" X 15' BLACK VACUUM	1	
38	8511RW	FACEPLATE WELDMENT	1	2	2058	CLAW/CUFF ASSEMBLY, 2"	1	
39	8520W	COIN BOX WELDMENT	1	3	5600D4	3/8-16 X 1.5 HHCS	4	
40	8524SS4	TIMER ASSY, 110SSAC	1	4	5603D1	10 Std NC Nylock Nut	1	
41	8525	LOCK BAR	1	5	5603D11	1/2 Std NC Nylock Nut	1	
42	8605	PALLET, VAC, 26" X 30.5"	1	6	5606D22	WASHER, 3/8 FENDER	8	
43	8615-5W	CLEANOUT DOOR WELDMENT	1	7	5606D7	FLAT WASHER, .160 ID X .500 OD	1	
44	8631	11 X 55 PAD FOR VACS	1	8	5619D1	SCR, HEX SOC BUT, HD CPCW, 1	4	
45	8673-11	GROUND WIRE 28"	1	9	5627D2	Pan Head, Slotted, 6-32 x 5/8	1	
46	9200FPD	DECAL, FACEPLATE	1	10	5629D1	#8 x 1 SELF TAPPING SCREW	1	
47	B5722-002	NUT, 3/8-16 UNC HEX LOCK NUT	4	11	5639D4	RUBBER GROMMET	1	
				12	5640D1	1/4-20 x 1/2 PHIL PAN HEAD SCREW	1	
				13	5647D2	1/8" SS POP RIVET	8	
				14	5647D8	3/16" SS POP RVIET	7	
				15	5871b8	PLUG, VAC BOTTOM 2-1/2"	8	
				16	5901D1	YELLOW WIRE NUT	2	
				17	6082	BAG, 9 X 12	1	
				18	8051G	BRACKET, MOTOR MOUNT	1	
				19	8055EM	MOTOR, ELECTRO 120V	2	
				20	8079	ASSEMBLY, FILTER BAG	2	
				21	8081	CABLE TIE MOUNT	2	
				22	8084	CABLE TIE	3	
				23	8085	WIRE TIE	1	
				24	8101	20" STAINLESS STEEL DOME	1	
				25	8103W	ECONOVAC CANISTER W/C	1	
				26	8108	#10 x 1/2 TAP SCREW	4	
				27	8138	CAM LOCK W/ 2 KEYS	1	
				28	8149	IMONEX COIN ACCEPTOR	1	
29	8153-1	LATCH, CLEANOUT DOOR	2					
30	8157	NUT, #6-32 KEPP NUT STAINLESS	5					
31	8159	DOOR GASKET	1					
32	8183	DECAL, WARNING	2					
33	8221WH2	WIRE HARNESS	1					
34	8423-2	DECAL, DOME	1					
35	8424-1	DECAL, CANISTER	1					
36	8429-1	DECAL, HANG HOSE	1					
				TITLE VACUUM, SINGLE DOOR, 2 MOTOR, ECONO DOME				
A	6835	REVISED AND DRAWN TO INVENTOR; NO PREVIOUS DRAWING	2-20-12	CK	UNSPECIFIED TOLERANCES	MATERIAL	CEGAR RAPIDS, IOWA	
REV	NO.	DESCRIPTION	DATE	BY	1 PL ±.030	SCALE		
THIS DOCUMENT SHALL NOT BE REPRODUCED NOR SHALL THE INFORMATION THEREIN BE USED BY OR DISCLOSED TO OTHERS EXCEPT AS AUTHORIZED BY J.E. ADAMS INDUSTRIES					2 PL ±.010	DRAWN BY CHAD K.		PART NO.
					3 PL ±.003	DATE 2/20/2012		8100
					ANGLE ±1.0°		REV. A	


PART NO. 8100




DETAIL B

TITLE		VACUUM, SINGLE DOOR, 2 MOTOR, ECONO DOME	
UNSPECIFIED TOLERANCES	MATERIAL	CEDAR RAPIDS, IOWA	
1 PL ±.030	SCALE		
2 PL ±.010	DRAWN BY CHAD K.		
3 PL ±.003	DATE 2/20/2012		
ANGLE ±1.0°	PART NO. 8100	REV. A	

REV	NO.	DESCRIPTION	DATE	BY
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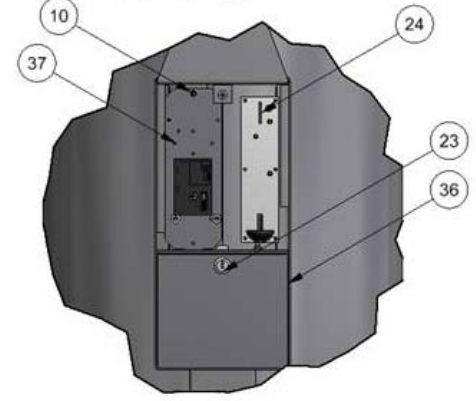
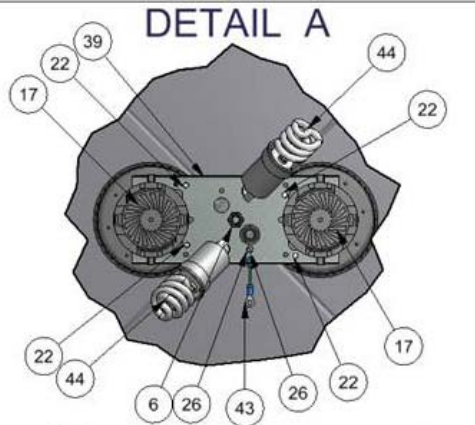
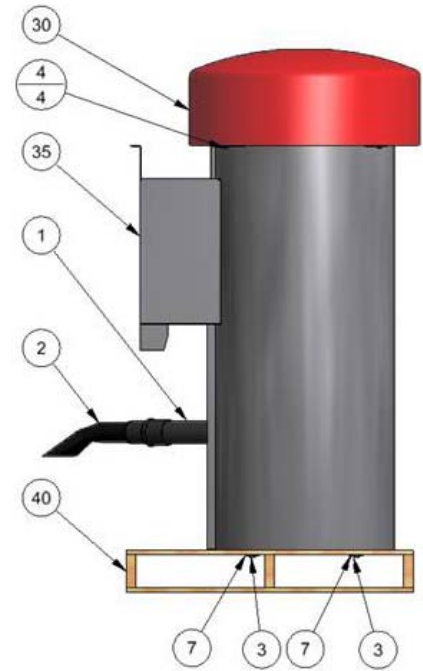
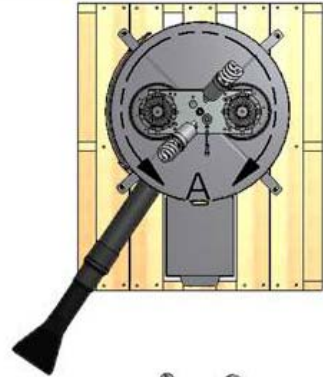
PART NO.		8500LD		BILL OF MATERIALS				BILL OF MATERIALS			
ITEM	PART NUMBER	DESCRIPTION	QTY	ITEM	PART NUMBER	DESCRIPTION	QTY				
37	8524SS4	TIMER ASSY, 110SSAC	1	1	2036	HOSE, 2" X 15" BLACK VACUUM	1				
38	8525	LOCK BAR	1	2	2058	CLAW/CUFF ASSEMBLY, 2"	1				
39	8543K	2 MOTOR LIGHT KIT	1	3	5600D4	3/8-16 X 1.5 HHCS	4				
40	8605	PALLET, VAC, 26" X 30.5"	1	4	5601D13	1/4-20 x 3/4 AQ BR OSC FAN	4				
41	8615-5W	CLEANOUT DOOR WELDMENT	1	5	5603D1	10 Std NC Nylock Nut	1				
42	8631	11 X 55 PAD FOR VAC	1	6	5603D11	1/2 Std NC Nylock Nut	1				
43	8673-11	GROUND WIRE 28"	1	7	5606D22	WASHER, 3/8 FENDER	8				
44	8925	FLOURESCENT BULB	2	8	5606D7	FLAT WASHER, .160 ID X .500 OD	1				
45	9200FPD	DECAL, FACEPLATE	1	9	5627D2	Pan Head, Slotted, 6-32 x 5/8	1				
46	B5722-002	NUT, 3/8-16 UNC HEX LOCK NUT	4	10	5629D1	#8 x 1 SELF TAPPING SCREW	1				
				11	5640D1	1/4-20 x 1/2 PHIL PAN HEAD SCREW	1				
				12	5647D2	1/8" SS POP RIVET	8				
				13	5647D8	3/16" SS POP RIVET	7				
				14	5871b8	PLUG, VAC BOTTOM 2-1/2"	8				
				15	5901D1	YELLOW WIRE NUT	2				
				16	6082	BAG, 9 X 12	1				
				17	8055EM	MOTOR, ELECTRO 120V	2				
				18	8079	ASSEMBLY, FILTER BAG	2				
				19	8081	CABLE TIE MOUNT	2				
				20	8084	CABLE TIE	3				
				21	8085	CABLE TIE	1				
				22	8108	#10 x 1/2 TAP SCREW	4				
				23	8138	CAM LOCK W/ 2 KEYS	1				
				24	8149	IMONEX COIN ACCEPTOR	1				
				25	8153-1	LATCH, CLEANOUT DOOR	2				
				26	8157	NUT, #6-32 KEPP NUT STAINLESS	5				
				27	8159	DOOR GASKET	1				
				28	8183	DECAL, WARNING	2				
				29	8221WH2	WIRE HARNESS	1				
				30	8306	24" PLASTIC DOME	1				
				31	8424-1	DECAL, CANISTER	1				
				32	8429-1	DECAL, HANG HOSE	1				
				33	8437D001	DECAL, ETL LISTE	1				
				34	8511RW	FACEPLATE WELDMENT	1				
				35	8517W	VACCUM CANISTER W/C	1				
				36	8520W	COIN BOX WELDMENT	1				

TITLE				
VACUUM, SINGLE DOOR, 2 MOTOR, LD				
UNSPECIFIED TOLERANCES		MATERIAL		
1 PL ±.030		SCALE		
2 PL ±.010		DRAWN BY CHAD K.		
3 PL ±.003		DATE 2/20/2012		
ANGLE ±1.0°		PART NO. 8500LD		REV. A

REV	NO.	DESCRIPTION	DATE	BY
A	6845	REVISED AND DRAWN TO INVENTOR; NO PREVIOUS DRAWING	2-20-12	CK

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PART NO. 8500LD



DETAIL B

TITLE VACUUM, SINGLE DOOR, 2 MOTOR, LD



UNSPECIFIED TOLERANCES	MATERIAL
1 PL ±.030	SCALE
2 PL ±.010	DRAWN BY CHAD K.
3 PL ±.003	DATE 2/20/2012
ANGLE ±1.0°	

CEDAR RAPIDS, IOWA

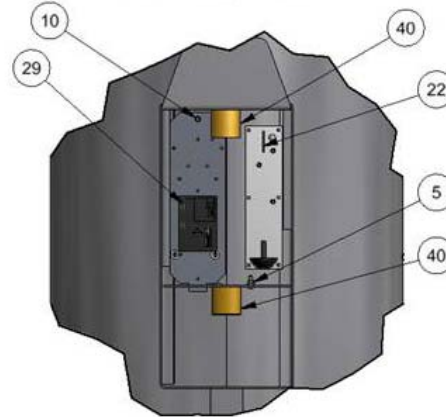
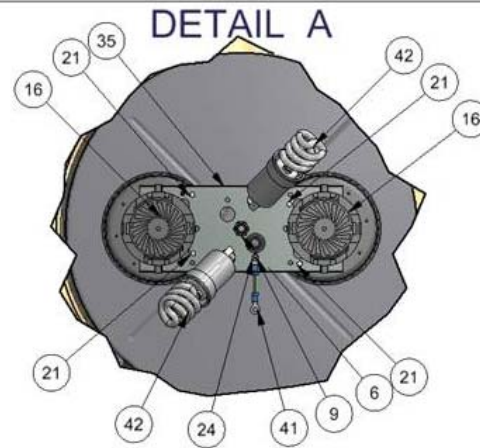
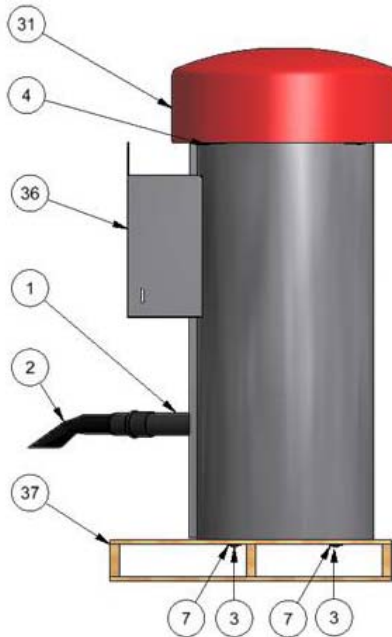
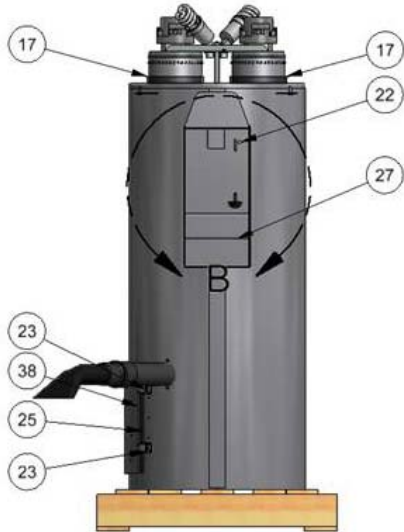
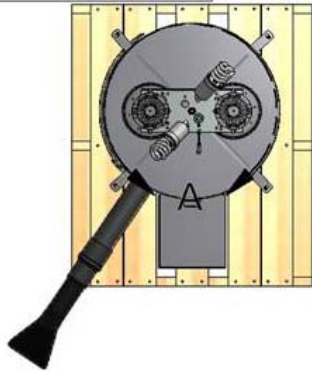


PART NO. 8500LD REV. A

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PART NO. 8600LD							
BILL OF MATERIALS				BILL OF MATERIALS			
ITEM	PART NUMBER	DESCRIPTION	QTY	ITEM	PART NUMBER	DESCRIPTION	QTY
36	8601W	VACUUM CANISTER W/C	1	1	2036	HOSE, 2" X 15' BLACK VACUUM	1
37	8605	PALLET, VAC, 26" X 30.5"	1	2	2058	CLAW/CUFF ASSEMBLY, 2"	1
38	8615-5W	CLEANOUT DOOR WELDMENT	1	3	5600D4	3/8-16 X 1.5 HHCS	4
39	8631	11 X 55 PAD FOR VAC'S	1	4	5601D13	1/4-20 x 3/4 AQ BR OSC FAN	4
40	8638	PIN LOCK	2	5	5603D1	10 Std NC Nylock Nut	1
41	8673-11	GROUND WIRE 28"	1	6	5603D11	1/2 Std NC Nylock Nut	1
42	8925	FLOURESCENT BULB	2	7	5606D22	WASHER, 3/8 FENDER	8
43	9200FPD	DECAL, FACEPLATE	1	8	5606D7	FLAT WASHER, .160 ID X .500 OD	1
44	B5722-002	NUT, 3/8-16 UNC HEX LOCK NUT	4	9	5627D2	Pan Head, Slotted, 6-32 x 5/8	1
				10	5629D1	#8 x 1 SELF TAPPING SCREW	1
				11	5647D2	1/8" SS POP RIVET	8
				12	5647D8	3/16" SS POP RIVET	7
				13	5871b8	PLUG, VAC BOTTOM 2-1/2"	8
				14	5901D1	YELLOW WIRE NUT	2
				15	6082	BAG, 9 X 12	1
				16	8055EM	MOTOR, ELECTRO 120V	2
				17	8079	ASSEMBLY, FILTER BAG	2
				18	8081	CABLE TIE MOUNT	2
				19	8084	CABLE TIE	3
				20	8085	CABLE TIE	1
				21	8108	#10 x 1/2 TAP SCREW	4
				22	8149	IMONEX COIN ACCEPTOR	1
				23	8153-1	LATCH, CLEANOUT DOOR	2
				24	8157	NUT, #6-32 KEPP NUT STAINLESS	5
				25	8159	DOOR GASKET	1
				26	8183	DECAL, WARNING	1
				27	8204RW	WELDMENT, COIN BOX	1
28	8211RW	FACEPLATE WELDMENT, R.H	1				
29	8221SS4	TIMER ASSY, 110 SSAC	1				
30	8221WH2	WIRE HARNESS	1				
31	8306	24" PLASTIC DOME	1				
32	8424-1	DECAL, CANISTER	1				
33	8429-1	DECAL, HANG HOSE	1				
34	8437D001	DECAL, ETL LISTED	1				
35	8543K	2 MOTOR LIGHT KIT	1				
				TITLE VACUUM, SINGLE DOOR, 2 MOTOR, LD UNSPECIFIED TOLERANCES 1 PL ±.030 2 PL ±.010 3 PL ±.003 ANGLE ±1.0°			
				MATERIAL SCALE DRAWN BY CHAD K. DATE 2/20/2012		CEDAR RAPIDS, IOWA  PART NO. 8600LD REV. A	
REV	NO.	DESCRIPTION	DATE	BY			
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PART NO. 8600LD



DETAIL B

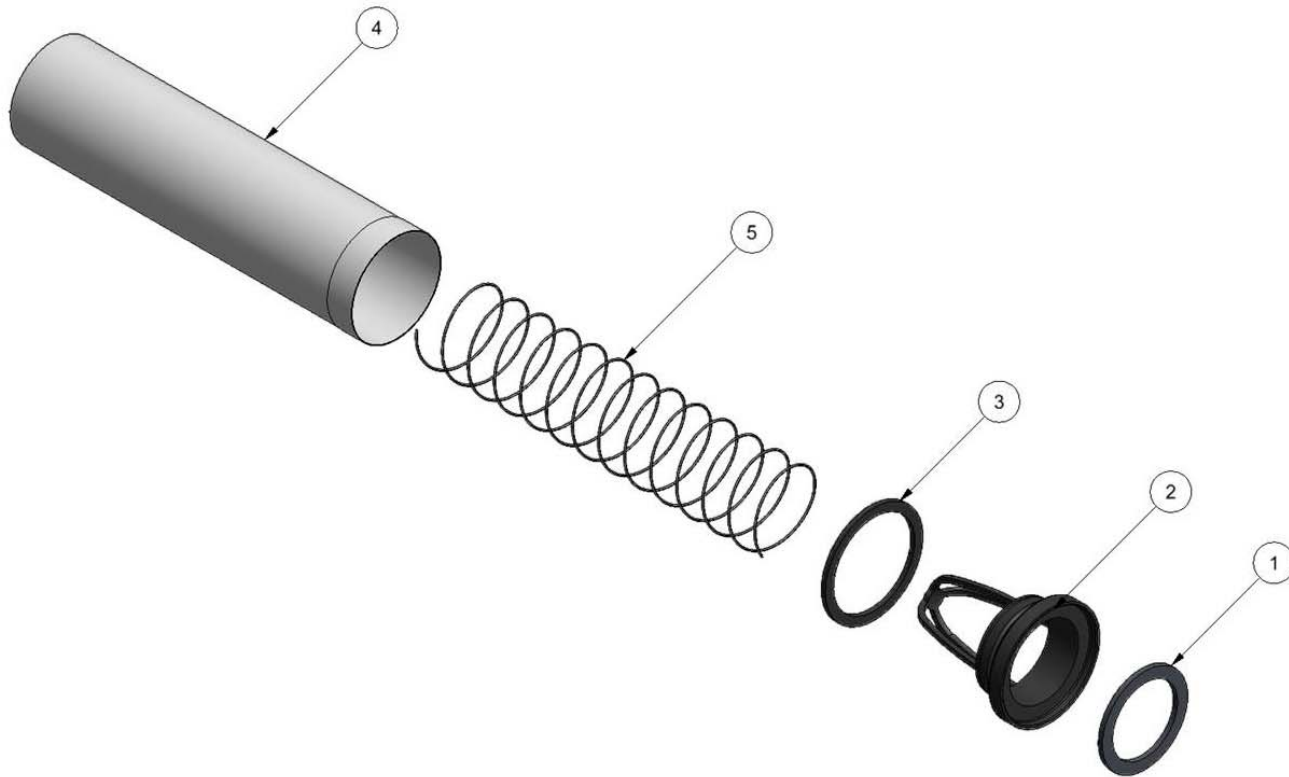
TITLE VACUUM, SINGLE DOOR, 2 MOTOR, LD

UNSPECIFIED TOLERANCES	MATERIAL		CEGAR RAPIDS, IOWA
1 PL ±.030	SCALE		
2 PL ±.010	DRAWN BY CHAD K.	PART NO.	8600LD
3 PL ±.003	DATE 2/20/2012	REV.	A
ANGLE ±1.0°			

REV	NO.	DESCRIPTION	DATE	BY
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EXPLODED VIEW: 8079 FILTER BAG ASSEMBLY

BILL OF MATERIALS			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	8057	MOTOR GASKET	1
2	8060	MOTOR BUSHING	1
3	8063	BUSHING GASKET	1
4	8072	FILTER BAG W/ O-RING	1
5	8075	FILTER BAG SPRING	1



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CEDAR RAPIDS, IOWA



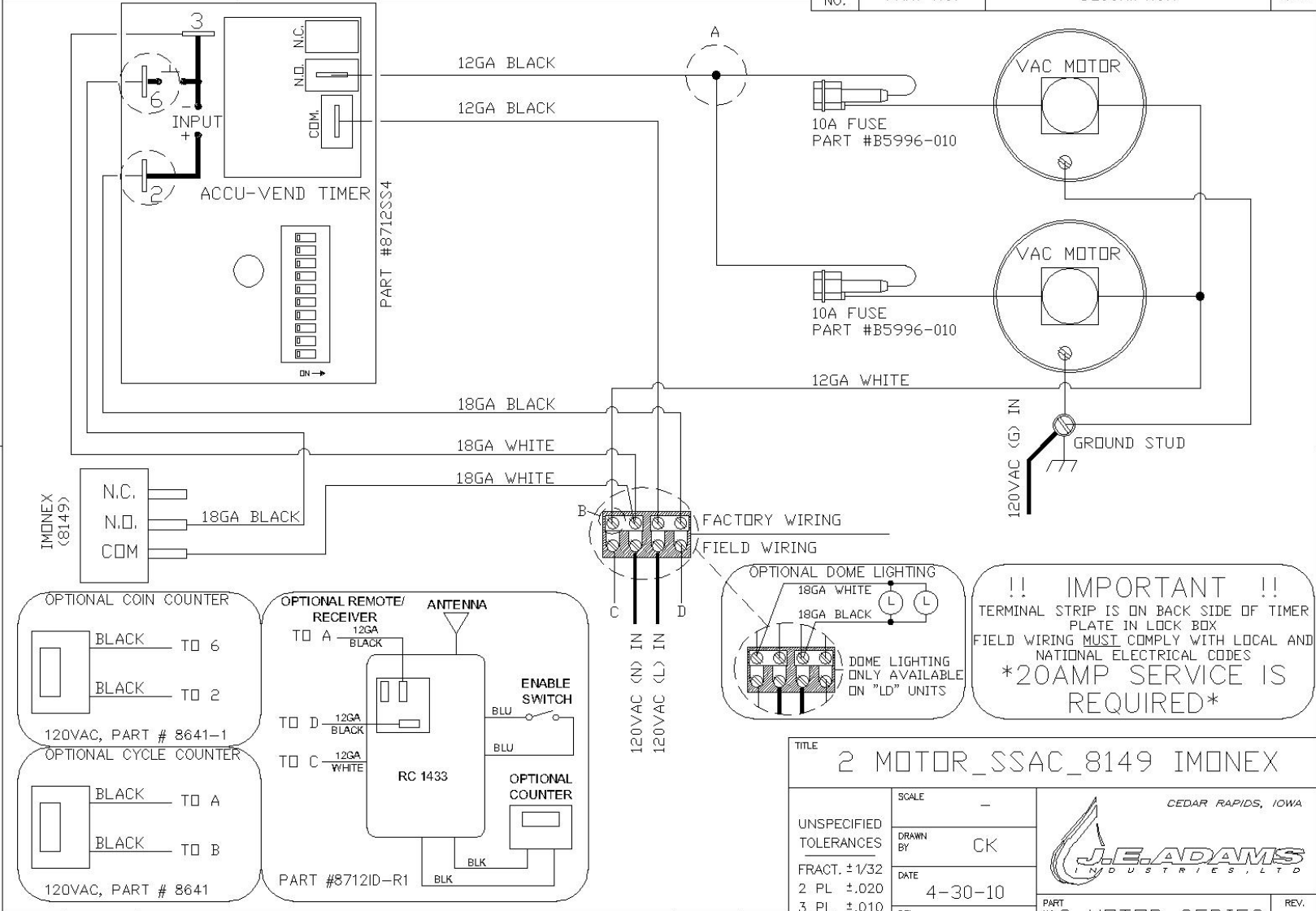
PART NO. **8079**

PART NO. 2 MOTOR SERIES

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BILL OF MATERIAL

ITEM NO.	PART NO.	DESCRIPTION	QTY.
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TITLE 2 MOTOR_SSAC_8149 IMONEX		SCALE -		CEDAR RAPIDS, IOWA	
UNSPECIFIED TOLERANCES		DRAWN BY CK			
FRACT. ±1/32		DATE 4-30-10			
2 PL ±.020		REL. FOR PROD.		PART NO. 2 MOTOR SERIES	
3 PL ±.010				REV.	
ANGLE ±1.0°					

REV	NO.	DESCRIPTION	DATE	BY
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