

Models- 29015 – 29018 - Ultra Vacuum with Fragrance 29015UNI - 29018UNI 29015HAM - 29018HAM 29015-2M - 29018-2M 29015-18 Series W/Exacta

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PRODUCT INFORMATION

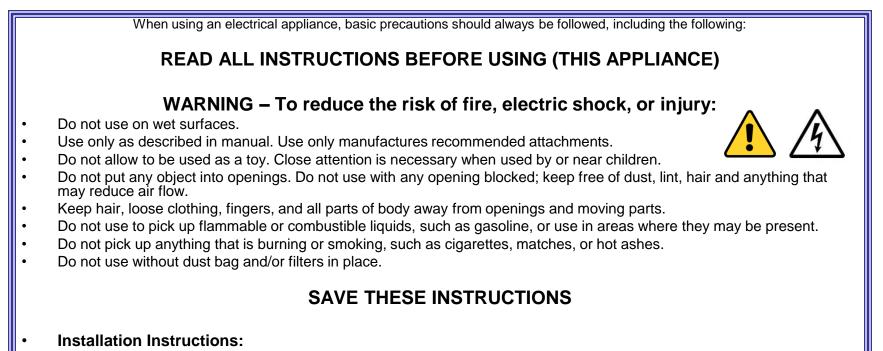
Please take a moment to fill out the information below in order to aid us with any future sales or service inquiries. Model number and serial number information can be found on the serial tag located inside the control box and/or on the lower exterior of the can. Key number can be found on the tag that 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

	<u>:: (</u> 29015-29018, 29015UNI-29018UNI, 29015HAM-29018HAM)
Voltage:	120VAC, 60Hz
Amperage:	(1) 30 amp dedicated service is required for this unit
Weight:	260 lbs with pallet attached
Vac specifications	: (29015-29018, 29015UNI-29018UNI, 29015HAM-29018HAM)
Motors:	(3) 120VAC Vacuum motor
Fuses:	(3) 10 amp inline fuses
1 0000.	
Fragrance specific	cations: (29015-29018, 29015UNI-29018UNI, 29015HAM-29018HAM)
Compressor:	(1) Thomas 120VAC, 1/12th hp compressor
Peristaltic pump:	(3) Thomas peristaltic pumps, 12VDC
Unit specifications	<u>:: (</u> 29015-2M thru 29018-2M)
Voltage:	120v, 60Hz
Amperage:	(1) 20 amp dedicated service is required for this unit
Weight:	260 lbs with pallet attached
<u> </u>	
Vac specifications	<u>:(</u> 29015-2M thru 29018-2M)
Motors:	(2) 120VAC Vacuum motor
Fuses:	(2) 10 amp inline fuses
Fragrance specific	cations: (29015-2M thru 29018-2M)
Compressor:	(1) Thomas 120v, 1/12th hp compressor
	(3) Thomas peristaltic pumps, 12VDC
	Duty cycle time 4 minutes on, 4 minutes off.
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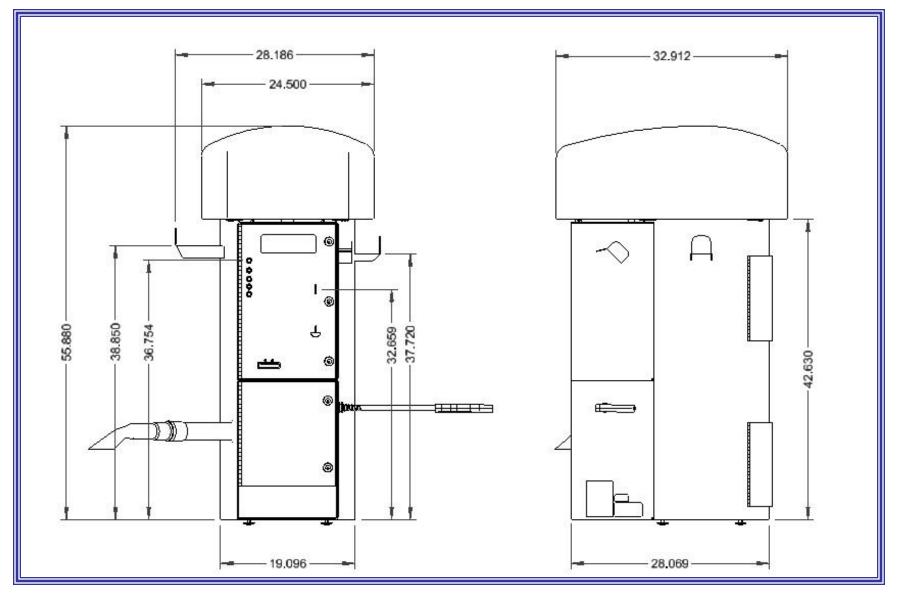
NOTE: "UNIT INTENDED FOR COMMECIAL USE ONLY"

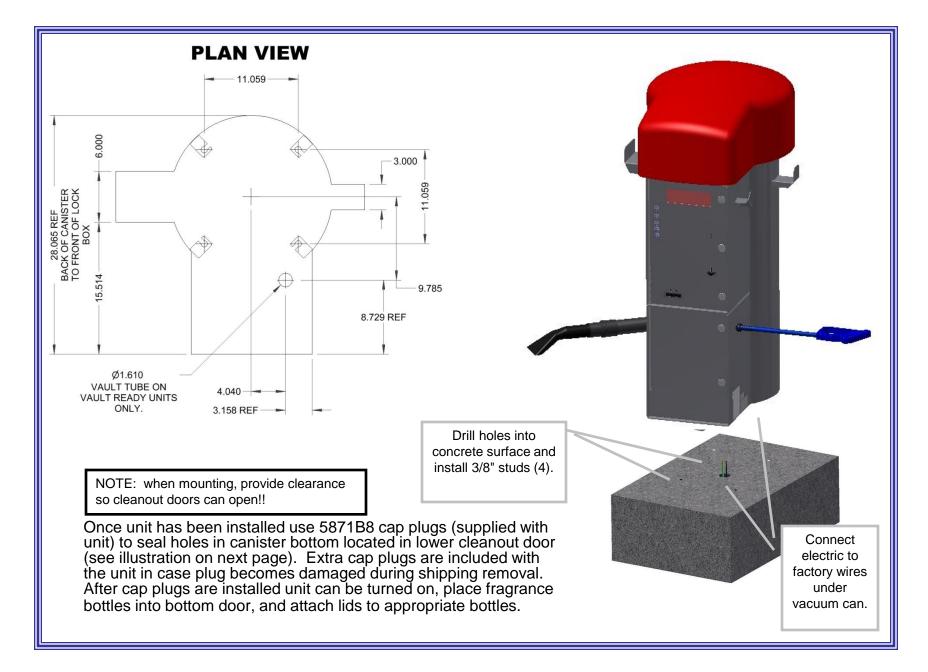
IMPORTANT SAFETY INSTRUCTIONS

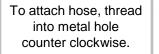


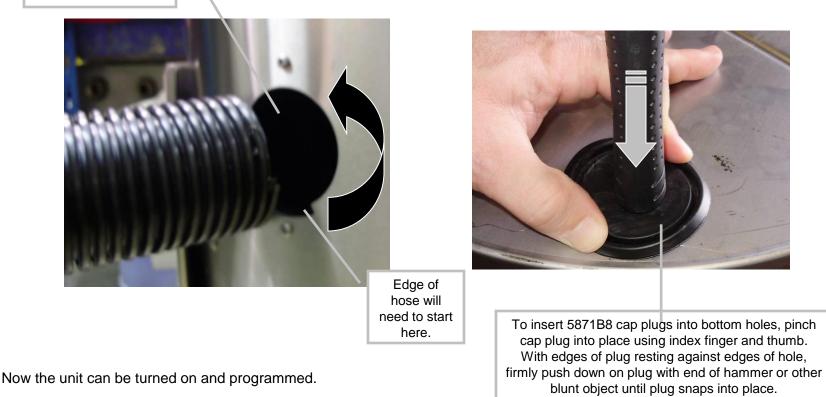
- Determine location to mount unit ("DANGER" "THIS EQUIPMENT INCORPORATES PARTS SUCH AS SWITCHES, MOTORS, OR THE LIKE THAT TEND TO PRODUCE ARCS OR SPARKS THAT CAN CAUSE AN EXPLOSION. WHEN LOCATED IN GASOLINE-DISPENSING AND SERVICE STATIONS INSTALL AND USE AT LEAST 20 FEET (6 M) HORIZONTALLY FROM THE EXTERIOR ENCLOSURE OF ANY DISPENSING PUMP AND AT LEAST 18 INCHES (450 MM) ABOVE A DRIVEWAY OR GROUND LEVEL."
- Run 30 amp 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.
- Circuit must be protected by GFCI device.
- All local and national electric codes must be followed for installation and use.
- Licensed electricians are recommended for installation.

Product Dimensions









Programming Instructions:

Coin acceptor:

No programming to acceptor needed if unit was purchased with the standard Imonex Z32 electronic acceptor (8149-92 our part number) is pre-programmed to accept US quarters, .984 tokens, US \$1 coin and 1.073 token. Acceptor is pre-programmed before it is sent to J.E. Adams.

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

Bill acceptor:

Bill acceptor comes pre programmed from J.E. Adams and should not require any changes. If additional programming is needed to acceptors please refer to additional literature sent along with this unit.

Display:

Unit may be programmed when received depending on information given at that the time of order. To program follow the instructions below.

Display programming with remote:

1) Press the red power button.

- 2) Timer will display 0000. At this time type in 4 digit access code. Note code will be 1234 until changed by customer.
- 3) Once code has been entered display should read ok. If display does not read ok, repeat step 1 and 2.
- 4) Press CH + button. Timer will display coin value. This should \$.25 and should not be changed.
- 5) Press the *CH* +button. Display will now read (*A: 30*) or may be a different time. (*A*) Will be the time per coin for the *VAC*. Set desired time per coin by using the *VOL* to decrease or the *VOL* + to increase. Once time is entered move to next step.
- 6) Press the CH + button. Display will now read (B: 30) or may be different time. (B) Will be the time per coin for TURBO. Set desired time per coin by using the VOL to decrease or the VOL + to increase. Once time is entered move to next step.
- 7) Press the *CH* + button. Display will now read *C*. *C* is not used.
- 8) Press the *CH* + button. Display will now read *D*. *D* is not used.
- 9) Press the CH + button. Display will now read (E: 30) or may be different time. (E) Will be the time per coin for SCENT. Set desired time per coin by using the VOL to decrease or the VOL + to increase. Once time is entered move to next step.
- 10) Press the CH + button. Display will now read F. F is not used.
- Press the CH + button. Display will now read (on A). This is the number of coins to start VAC. Use the VOL and VOL + to adjust. Once this is done press the CH+ button and repeat for (B) TURBO and (E) SCENT.
- 12) Press the **CH +** button. Display will read bonus time. Set if desired. See explanation at the end programming instructions.
- 13) Press the *CH* + button. Display will debit mode. Set if desired. See explanation at the end programming instructions.
- 14) Press the CH + button. Display will delayed start. Set if desired. See explanation at the end programming instructions.
- 15) Press the CH + button. Display will read HLxx. Set if desired. See explanation at the end programming instructions.
- 16) Press the CH + button. Display will read Restart off or restart on depending on what is set. Restart off will require a person to put in full amount after unit is turned off to reactivate. Restart on allows for additional coins to be put in the machine to keep unit running. To set use VOL or VOL + to change.

- 17) Press the CH + button. Display will now read STD or USER or MIX. To make a custom message use VOL + button to scroll to USER. At this point press and hold CH + button until original message appears. At this time you may change the message simply by using the VOL or VOL + buttons to change letters. Once message has been entered you must put the symbol / at the end of message. This will tell display that this is the end of the message.
- 18) Press the *CH* + button now 5 more times to exit programming.
- 19) Unit should now be programmed.

Program definitions:

Bonus time settings:

- Amount of time set in bonus time is added to regular time per coin/pulse(e.g. if you want to give 45 seconds for bonus time and your regular time per coin is 30 seconds, you would set bonus time at 00:15)
- Bonus is disabled by setting bonus time to 00:00.
- If bonus time is set to less than one minute, bonus time is added when bonus coin is reached and every coin after that until time expires.
- If bonus time is set at 1:00 or more, bonus will be a "one time" bonus. Bonus time will only be added for bonus coin or multiplies of bonus coin (e.g. 16th coin, 32nd coin, etc). Any other coin will on receive regular time per coin.
- If bonus time is set to 99:00, when bonus coin is deposited, timer will show "-on-" and timer will continue to run until coin switch wire is shorted to ground by a loop detector or other switch closure for a minimum of two seconds.

Debit and credit mode:

- Debit mode: As coins are deposited display shows "\$1.75 MORE, \$1.50 MORE, \$1.25 MORE" etc. until start price is reaches. Once start price is reached display switches to time accumulating until no more coins have been deposited.
- Credit mode: As coins are deposited display shows money accumulating (\$.25, \$.50, \$.75 etc). If timer is also set to delayed start mode timer will continue to show money accumulating until no more coins have been deposited. If timer is set to instant start, as soon as start price is reached, timer will change to time counting down.
- Both mode: As coins are deposited display shows money accumulating (\$.25, \$.50, \$.75 etc). If start price is not reached, after 5 seconds timer will alternate between "add \$x.xx more" and amount of money already deposited.

Display programming with push button:

- Unit can be programmed using buttons that are located inside display. One is labeled S2, which is used to change from item to item. One is labeled S1 which is used to set desired value. If you hold down S1 this will cause numbers to decrease. If you repeatedly push S1 numbers will increase.
- When programming with buttons use same instructions as remote except for the following. Where it says to press *CH* + use *S2* and where it says to use *VOL* + or use *S1*.

Operating Instructions:

- Select desired function.
- Insert coins or bills to start desired function.
- If fragrance is selected, it is recommended that you vacuum before applying formula.
- If other function is selected other than original selected item unit will recalculate timer based on the amount of money it takes to start the specific function.
- Once service is used, hang up hose.

Operating Instructions 29015UNI-29018UNI or 29015HAM-29018HAM:

- Select desired function.
- Insert coins or bills or swipe credit card to start desired function. When credit card is selected swipe card and wait for activation.
- If fragrance is selected, it is recommended that you vacuum before applying formula.
- If other function is selected other than original selected item unit will recalculate timer based on the amount of money it takes to start the specific function.
- Once service is used, hang up hose.
- NOTE: Unitec and Hamilton units are to be installed by qualified Unitec or Hamilton personnel. Failure to do so may result in improper installation and damage to electronics.

Changing fluids:

Disconnect power. Unscrew cap from empty bottle. Remove empty bottle. Insert new bottle into unit. Insert line into bottle and screw cap onto bottle. Reconnect power.

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 vac hose for cracks on a weekly basis.
- Check fragrance formula bottles to assure that they are full.
- Check all fragrance and gun assembly for any signs of wear.
- Clean canister with a stainless steel cleaner as needed. Decals can be cleaned with mild soap and water.
- Check motor brushes approx. every 3 months for excessive wear. Motor brushes should be changed if they are shorter than 1/4". *Please disconnect power before doing this.*



DISCONNECT POWER BEFORE SERVICING OR TROUBLESHOOTING!



Troubleshooting:

Problem	Possible cause	Solution		
Unit is not powered.	Breaker inside unit is not in the on position.	Flip breaker on.		
	No power to machine.	Check incoming power.		
	Loose connection.	Check incoming power connection.		
Display is not powering.	Breaker inside unit is not in the on position.	Flip breaker on.		
	Open unit and check 24 volts coming out of transformer.	If no voltage, replace transformer.		
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.		

Display reads "closed" or "coin."	This indicates a continuous coin pulse coming to the timer or a shorted coin signal wire.	Disconnect coin signal wire at timer to see if problem goes away.		
Display reads "error."	This indicated the program may be lost due to a bad battery	Reprogram timer, if problem comes back		
	or a power spike.	replace battery.		
Display reads "aux."	This means continuous signal to auxiliary input.			
Display reads "fail."	Coin acceptor putting out continuous pulse.	Press mode button on display. If fail does not		
		go away replace coin acceptor.		
	Program in display may be lost.	Reprogram display. If fail goes away and then		
		comes back, replace battery in display.		
Unit keeps tripping	Inadequate wire size ran to machine.	Call electrician and install proper wire size for		
breaker.		30amp service versus length or run.		
	Wrong size breaker.	Install correct breaker (only if wire size is		
		adequate to handle 30 amp breaker).		
Fuses for vac motors keep	Inadequate wire size ran to machine.	Call electrician and install proper wire size for		
blowing.		30amp 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.		
Lack of vacuum suction.	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	Open lower chamber and inspect plugs, order		
	popped out?	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.		
-	Is the pump coming on and turning?	Visually inspect pump, replace if necessary.		
lines.	Are line connections tight?	Fluids can dry out lines, clip ends and reattach,		
		cable ties must be used for air-tight		
		connection.		
	Are lines clogged?	Try using a bottle of hot water to draw through		
L		lines.		

29000-5003A

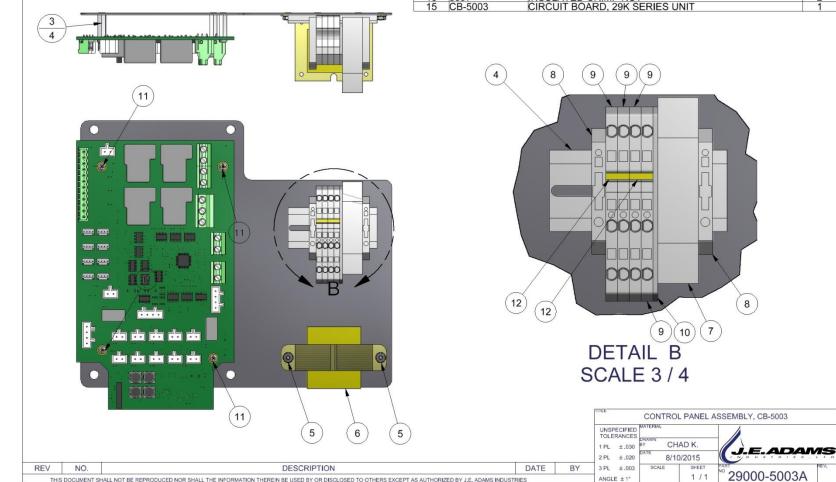
NOTE 1: ASSEMBLE ALL ITEMS AS SHOWN.

NOTE 2:

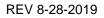
USE WIRE ASSEMBLY CB-03-CONTROL TO WIRE THIS CONTROL PANEL ASSEMBLY. THE CB-03CONTROL IS LOCATED IN THE CB-03 WIREKIT PACKAGE. THE CB-03-WIREKIT IS CALLED OUT UNDER THE 29000 TOP LEVEL ASSEMBLY.

NOTE 3:

USE WIRE DIAGRAM S29000_CB_CONTROL REV A



	<i>R</i>	BILL OF MATERIALS	
ITEM	PART NUMBER	DESCRIPTION	QTY
1	29000-5003W	BRACKET, CONTROL PLATE WELDMENT, CB-5003	1
3	5000D6	#6-32 x .75 FxF STANDOFF	4
4	28000-129	DIN RAIL CUT TO 3"	1
5	8157	NUT, #6-32 KEPP NUT STAINLESS	4
6	8131-2	TRANSFORMER, 110/220-24 1.66A	1
7	28000-128	MAGNETIC CIRCUIT BREAKER, 30AMP	1
8	28000-124	TERMINAL BLOCK STOP	2
9	28000-800	33A DIN BLOCK, 10 GA.	4
10	28000-820	END BARRIER, GREY	1
11	5662D5	6-32 x 3/8 PHIL. PAN -MACHINE SCREW	4
12	28000-155	JUMPER - CUT TO 2 POLE	2
15	8097	INSULATED CRIMP NUT	2
15	CB-5003	CIRCUIT BOARD, 29K SERIES UNIT	1



29010-7CDA-1	ITEM	PART NUMBER	DESCRIPTION	QTY
	1	00-CB-D-05	BLUE PUSH BUTTON	5
NOTE:	2	22001-6A	PLUG LOCK, LARGE, WITH LOCK CORE	3
ASSEMBLY ALL ITEMS AS SHOWN.	3	29000-100W	LOCK BRACKET WELDMENT	1
	4	29000-199	GASKET, VALIDATOR MOUNT	1
2) USE WIRE ASSEMBLY 00-CB-DOOR TO	5	29000-24	DISPLAY BRACKET	2
VIRE THIS DOOR ASSEMBLY. THE 0-CB-DOOR IS LOCATED IN THE	6	29000-25	HORN BRACKET	1
0-CB- WIRE KIT CABLE PACKAGE PURCHASED	7	29000-34	LEXAN WINDOW	1
ROM TIMBERLINE. THE 00-CB-WIRE KIT IS CALLED	в	29015-7CBW-1	CONTROL DOOR WELDMENT- SCENT, PLUG LOCK	1
DUT UNDER THE 29015 TOP LEVEL ASSEMBLY.	9	5611D2	NUT, 10-24 UNC KEPP- ZINC	4
USE WIRE DIAGRAM \$29015_CB_DOOR.	10	5619D3	1/2" - 13 HEX SOC HEAD SCREW	3
	11	5629D2	#8 x 1/2 SELF TAPPING SCREW	4
DO NOT OVER TIGHTEN PUSH BUTTONS ONTO	C	5639D6	RUBBER GROMMET	
OOR. MAKE SURE THEY ARE SNUG AND ORINGS RE NOT PROTRUDING FROM SIDE OF PUSH BUTTON.	12			1
SO THEY ARE TO TIGHT.	13	8000-11	ALARM, LAST COIN ALERT	1
	14	8000-15	BIG DIXMOR DISPLAY	1
) APPLY A GENEROUS AMOUNT OF HOT GLUE TO THE	15	8149-92	IMONEX COIN ACCEPTOR - ELECTRIC	1
ACK OF THE NUT AND SWITCH. THIS WILL KEEP THE	16	8157	NUT, #6-32 KEPP NUT STAINLESS	- 4
IUT FROM LOSENING UP.	17	8726	PUSH BUTTON	1
PROPERELY MAY RESULT IN MALFUNCTION OF DISPLAY OR POSSIBLE DAMGE TO THE CIRCUIT BOARD. IF IN DOUBT ASK DUESTIONS.	•			
POSSIBLE DAMGE TO THE CIRCUIT BOARD. IF IN DOUBT ASK	• • •	2		
POSSIBLE DAMGE TO THE CIRCUIT BOARD. IF IN DOUBT ASK	ب	TITLE SCENT UNSPECIFIED TOLERANCES	VAC DOOR ASSEMBLY, W/Cb, PLUG LOCK	200
OSSIBLE DAMGE TO THE CIRCUIT BOARD. IF IN DOUBT ASK	•	UNSPECIFIED TOLERANCES 1 PL ±.030		200
OSSIBLE DAMGE TO THE CIRCUIT BOARD. IF IN DOUBT ASK	ب	TITLE SCENT UNSPECIFIED TOLERANCES 1 PL ±.030 2 PL ±.010		, iowa
OSSIBLE DAMGE TO THE CIRCUIT BOARD. IF IN DOUBT ASK	DATE B	TITLE SCENT UNSPECIFIED TOLERANCES 1 PL ±.030 2 PL ±.010 3 PL ±.003		23 - 2220-2

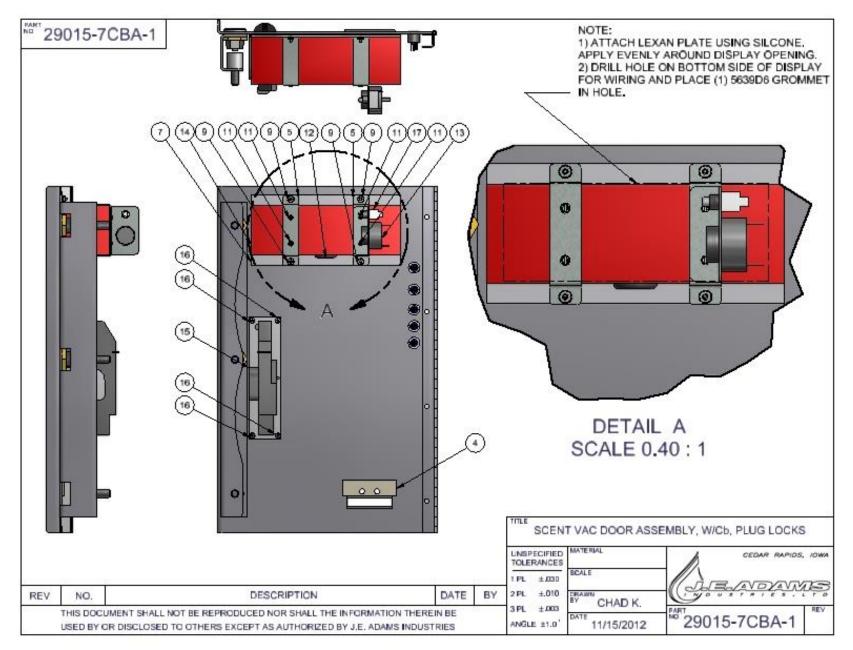
BILL OF MATERIALS

ITEM PART NUMBER

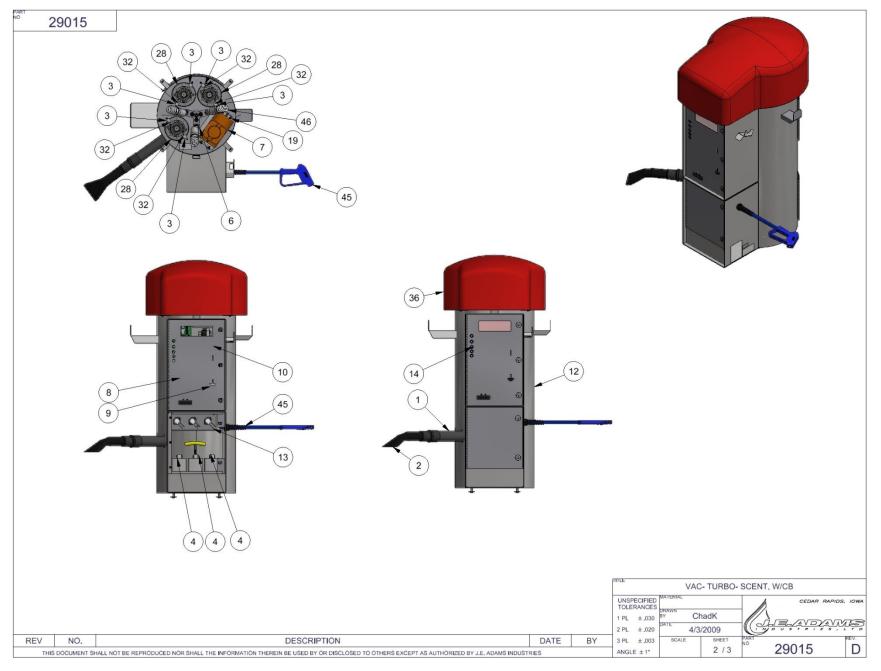
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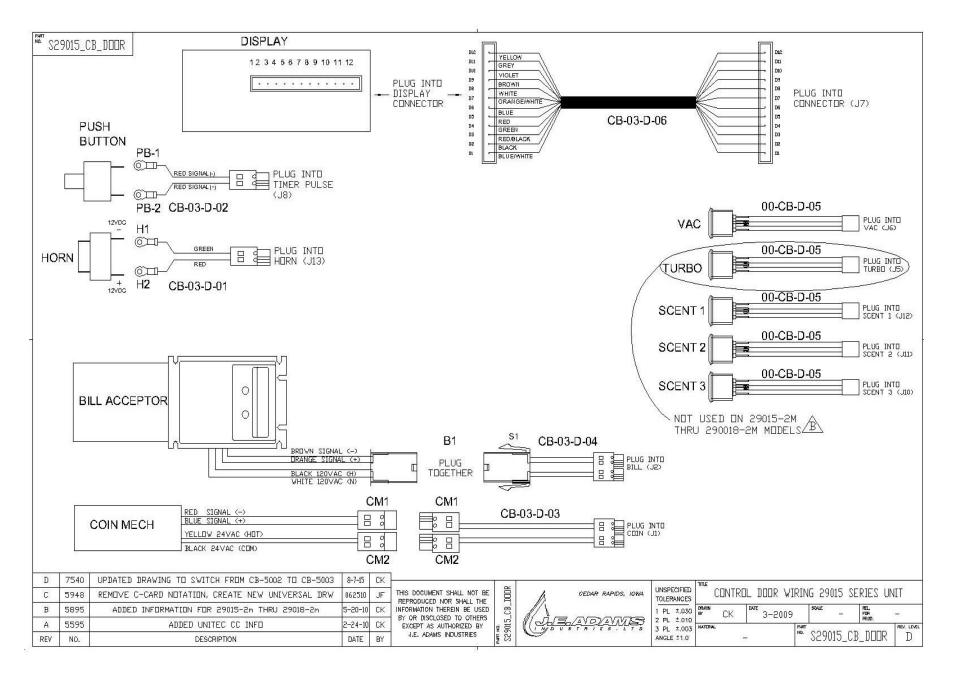
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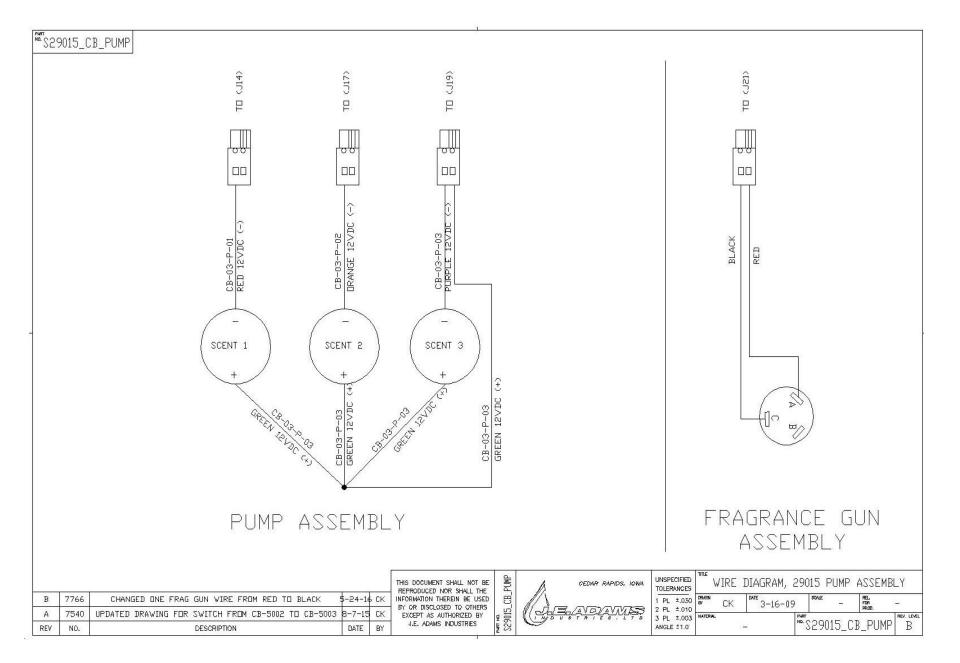
^{PART} 29015-7CBA-1

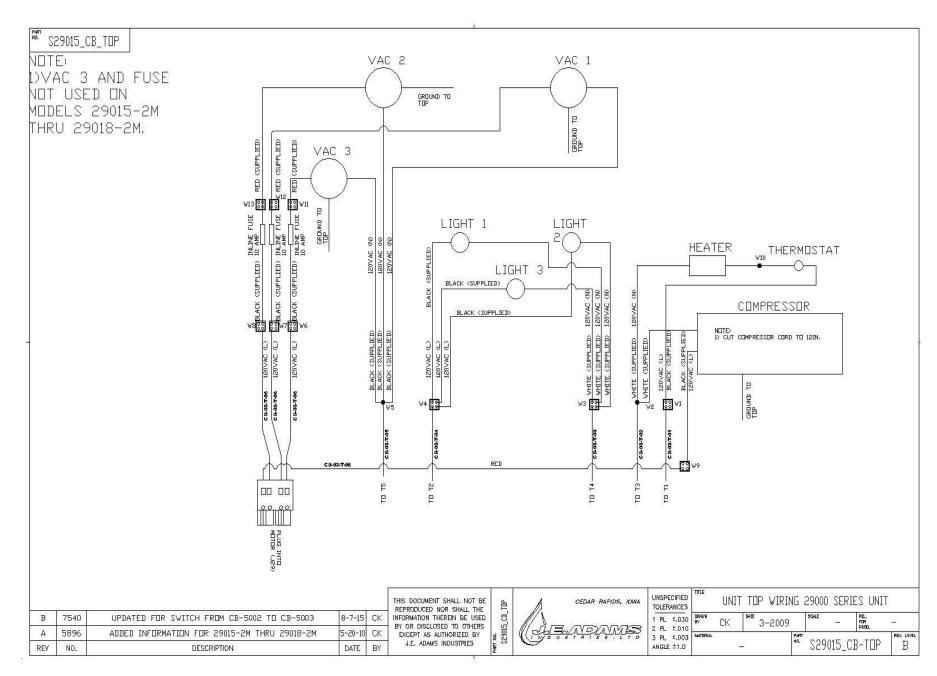


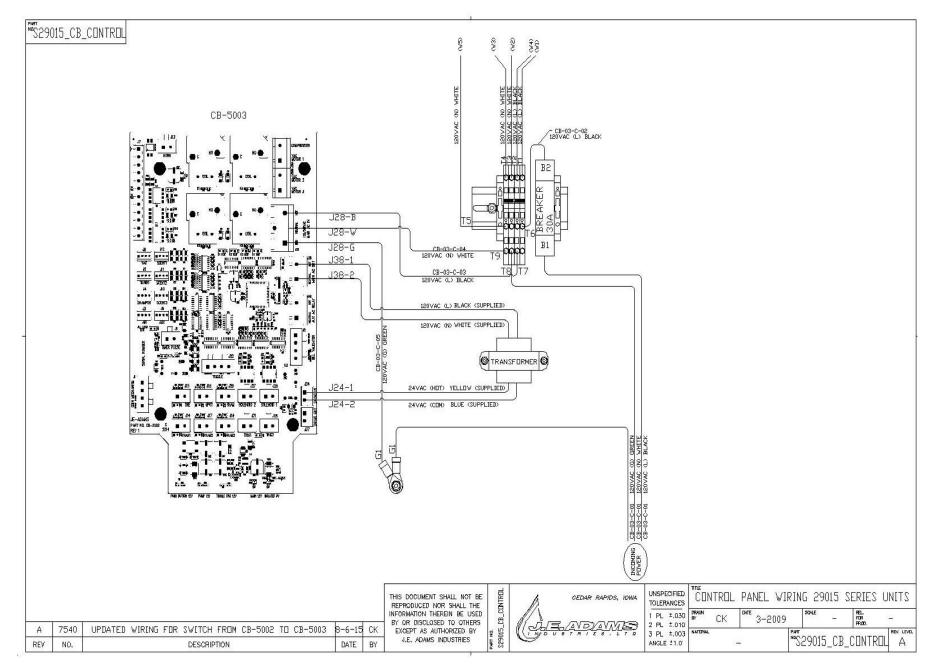
2	9015	Ĺ				E	BILL OF MATERIALS	
2	3015	-	ITEM	PART NUME 2036		IOSE 2" Y	DESCRIPTION (15' BLACK VACUUM	C
		-	2	2058			F ASSEMBLY, 2"	
		-	3	28000-36		OTOR MO		
			4	28000-40			ONTAINER	
			5	29000-14A-1			EMBLY, BOTTOM, PLUG LOCK	
		_	6	29000-30A			CKET ASSEMBLY	
		-	7	29000-37A			SOR ASSEMBLY	_
		-	8	29000-44A 29000-47A	B	OIN BOX	PTOR ASSEMBLY, PLUG LOCK ASSEMBLY, PLUG LOCK	
		-	10	29000-5003A			PANEL ASSEMBLY, CB-5003	
		Λ.	11	29000-ALLEN	I 3/	/8 ALLEN.	29000 PLUG LOCK SCREW	
			12	29000-1W-2	C	ANISTER	29000 PLUG LOCK SCREW WELD COMPLETE, PLUG LOCKS	
			13	29015-29A-3			PUMP ASSEMBLY	
			14 15	29015-7CBA-1 29015-KIT-1			C DOOR ASSEMBLY, W/Cb, PLUG LOCKS E DECAL SET, BLACK	
			16	5600D4	3/	/8-16 X 1.5	5 HHCS	-
			17	5601D13	S	CR.1/4-20	x1/2 PPHSqConeStepZP	-
			18	5603D11	1/	/2 Std NF	Nylock Nut	
			19	5603D2			Nylock Nut	
			20	5603D5			Nylock Nut	
			21	5606D10	M	VASHER, I	FLAT 1/2 SAE	
			22 23	5606D22 5611D4	M	VASHER,	3/8 FENDER 18 UNC KEPP- SS	-
			23	5639D9			MNT, 30 DUR NEOPRENE, 1/4-20	-
		8 I	25	5647D2		RIVET 1/8'		
		• •	26	5647D8		RIVET 3/16		
			27	5871b8			BOTTOM 2-1/2"	
			28	8055EM			LECTRO 120V	
			29 30	8055LEAD-EN 8057		10TOR LE		
			31	8076		ILTER BA		_
			32	8108			AP SCREW	
		©	33 34	8153-1			EANOUT DOOR	1
			34	8159	D	OOR GAS	SKET	
			35 36	8183 8308R	D	ECAL, "DI ENINSUL	SCONNECT POWER"	
			37	8437D001			L, VACUUM	
		©	38	8615-5W			DOOR WELDMENT	
		\mathbb{W}	39	8630		ARDBOA		
			40	8732	N	IAMEPLAT	TE SERIAL TAG, UL	
			41 42	8754 8857	D	ECAL, DA	NGER, TRI-LING RRY SCENT	-
			42	8859		IEW CAR		0
		-	44	8865		ANILLA S		
		-	45	8898-1			NCE GUN ASSY, 3/4 OD HOSE	
			46	8925	FI	LOURESC	CENT BULB	
			47	8939	P	ALLET, D	UAL, OVAL, SPECIALITY, 30" X 40"	
			48 49	B5722-002 CB-03-WIRE #			S UNC HEX LOCK NUT	
			50	SH6044		ARDBOAL		
	8372 7761	29000-1W-2 WAS 29015-1W-2 REMOVED 5639D4 AND ADDED 29000-ALLEN			12/10/18 5-11-16	MWS CK	TITLE VAC- TURBO- SCENT, W/CB	
-			0054				UNSPECIFIED MATERIAL L CEDAR	PARIO
	7540	REMOVED 29015-29A-2, 29000-250A, 00-CB-WIREKIT, SH ADDED 29015-29A-3, 29000-5003A, CB-03-WIREKIT, SH6		g	9-3-15	СК	UNSPECIFIED TOLEFANCES 1 PL ±.030 2 PL ±.020 DATE 4/3/2009 CEAR C	
		DESCRIPTION			DATE	BY		,
V	NO.					BY	3 PL ±.003 SCALE SHEET PART	

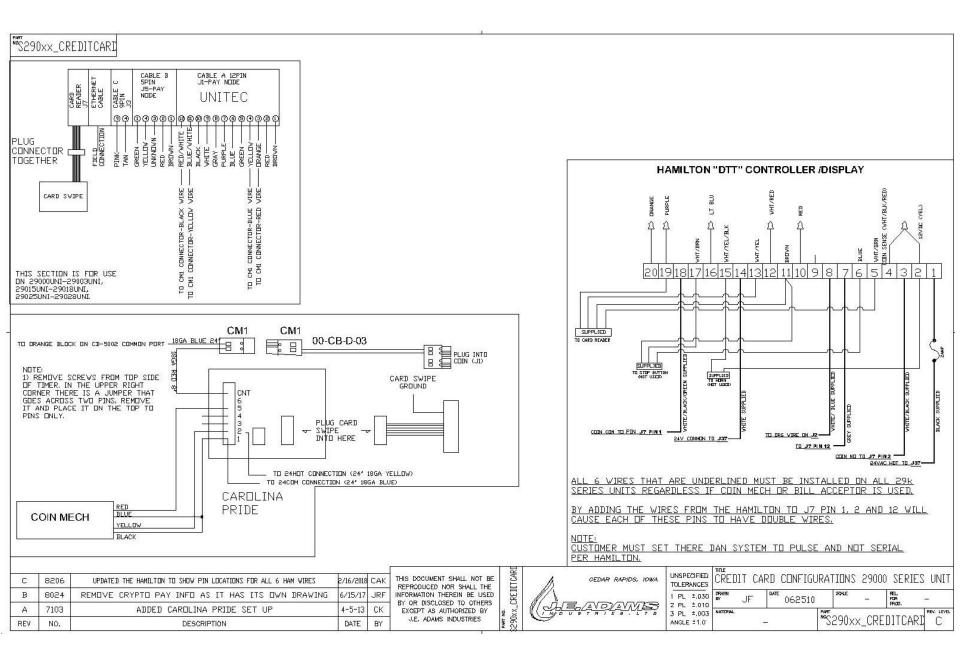


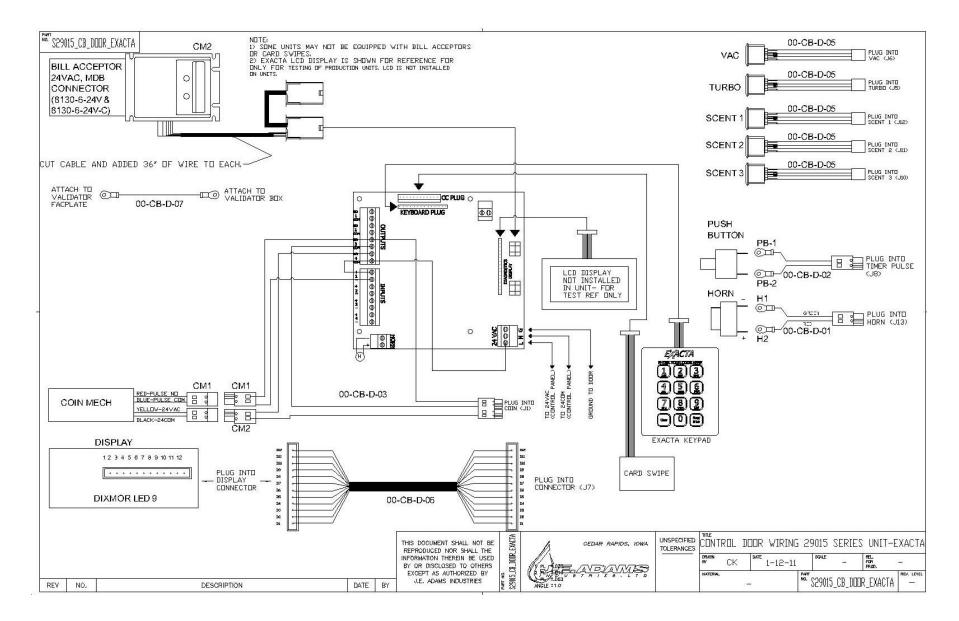


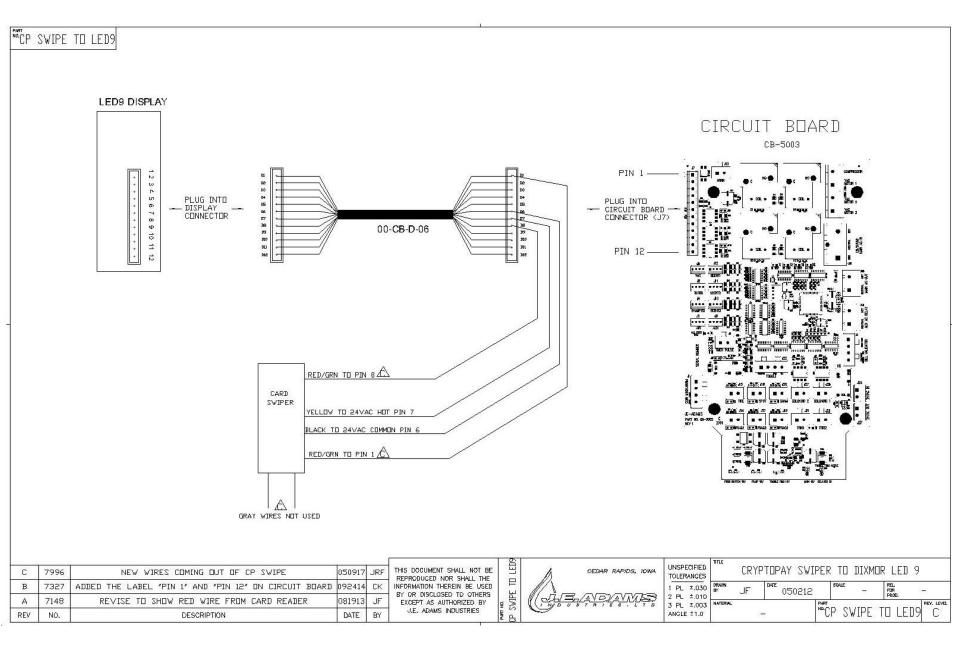












Programming:

The below timer pictured is the standard SSAC model that allows the end user to select the "coins to start" and the "total time" 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 "total time" 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 total time can always be changed by 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 others off) and the time dip switches would still be 3.2 and .8 dips selected for 4 minutes. Timer is non accumulating so "coins to start" setting is just to make the machine come on time and "time" is total time regardless of coins to start.

