

1025 63RD AVENUE S.W. • CEDAR RAPIDS, IA 52404 P.O. Box 2483 • CEDAR RAPIDS, IA 52406 PHONE: 319-363-0237 FAX: 319-363-3867 TOLL FREE: 800-553-8861 TOLL FREE FAX: 866-252-6694

#### J.E. ADAMS INDUSTRIES OWNERS MANUAL

MODEL 29025-29028 & 29025UNI-29028UNI

- PAGE 2 PRODUCT INFORMATION
- PAGE 3 PRODUCT SPECIFICATIONS
- PAGE 3 IMPORTANT SAFETY INSTRUCTIONS
- o PAGE 4-5 INSTALLATION
- PAGE 5-7 PROGRAMMING
- PAGE 8 OPERATING
- PAGE 8 MAINTENANCE
- PAGE 9 TROUBLESHOOTING
- o PAGE 10-12 PARTS LIST
- o PAGE 13-16 WIRE DIAGRAMS

### **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:	
<b>DISTRIBUTOR:</b>	

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

#### **SPECIFICATIONS:**

Unit specifications:

Voltage:	120VAC, 60Hz
Amperage:	(1)30 amp service is required for this unit
Weight:	260 lbs with pallet attached

Vac specifications:

Motors: (3) Ametek 120VAC motors Fuses: (3) 10 amp inline fuses NOTE: "UNIT INTENDED FOR COMMECIAL USE ONLY" Installation of 29000UNI, 29001UNI, 29002UNI and 29003UNI units are to be installed only be a qualified Unitec represented distributor or installer. Failure to do so may result in improper installation and may not be configured properly.

#### **IMPORTANT SAFETY INSTRUCTIONS**

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

# READ ALL INSTRUCTIONS BEFORE USING (THIS APPLIANCE)

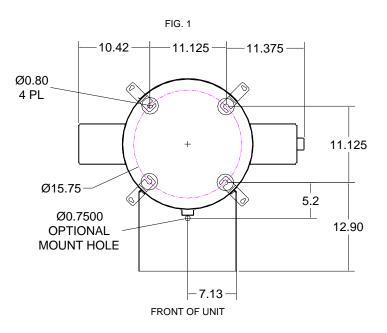
## WARNING – To reduce the risk of fire, electric shock, or injury:

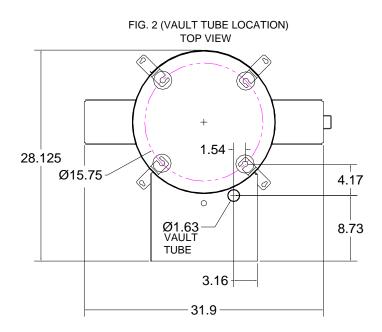
- Do not use on wet surfaces.
- Use only as described in manual. Use only manufactures recommended attachments.
- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Do not put any object into openings. Do not use with any opening blocked; keep free of dust, 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 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.
- Mount unit to location and use fig. 1 for mount pattern
- If unit is vault ready configuration see fig. 1 for mounting and fig. 2 for vault tube location.





• Once unit has been installed use 5871B8 cap plugs supplied with unit to seal holes in canister bottom located in lower cleanout door. Turn unit on and move to program instructions.

#### **Programming Instructions:**

Coin acceptor:

- No programming to acceptor needed if unit was purchased with the standard Imomex 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.
- Press *CH* + button. Timer will display coin value. This should \$.25 and should not be changed.

- 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.
- 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 use.
- 8) Press the *CH* + button. Display will now read *D*. *D* is not use.
- 9) Press the *CH* + button. Display will now read *E*. *E* is not use.
- 10)Press the *CH* + button. Display will now read *F*. *F* is not use.
- 11)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*.
- 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 read debit mode. Set if desired. See explanation at the end programming instructions.
- 14)Press the *CH* + button. Display will read 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. 16<sup>th</sup> coin, 32<sup>nd</sup> 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 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 29000UNI-29003UNI:**

- 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 shampoo/spot 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.

#### Maintenance:

- Filter bags should be taken out weekly and shaken out. Also it might be a good idea to keep a new set of bags on hand so that once a month or longer you can take original bags out and wash them.
- Check vac hose for cracks on a weekly basis.
- Check shampoo and spot formula bottles to assure that they are full.
- Clean canister with a stainless steel cleaner as needed.
- Check motor brushes approx. every 3 months for excessive wear. Motor brushes should be changed if they are shorter than ¼". *Please*

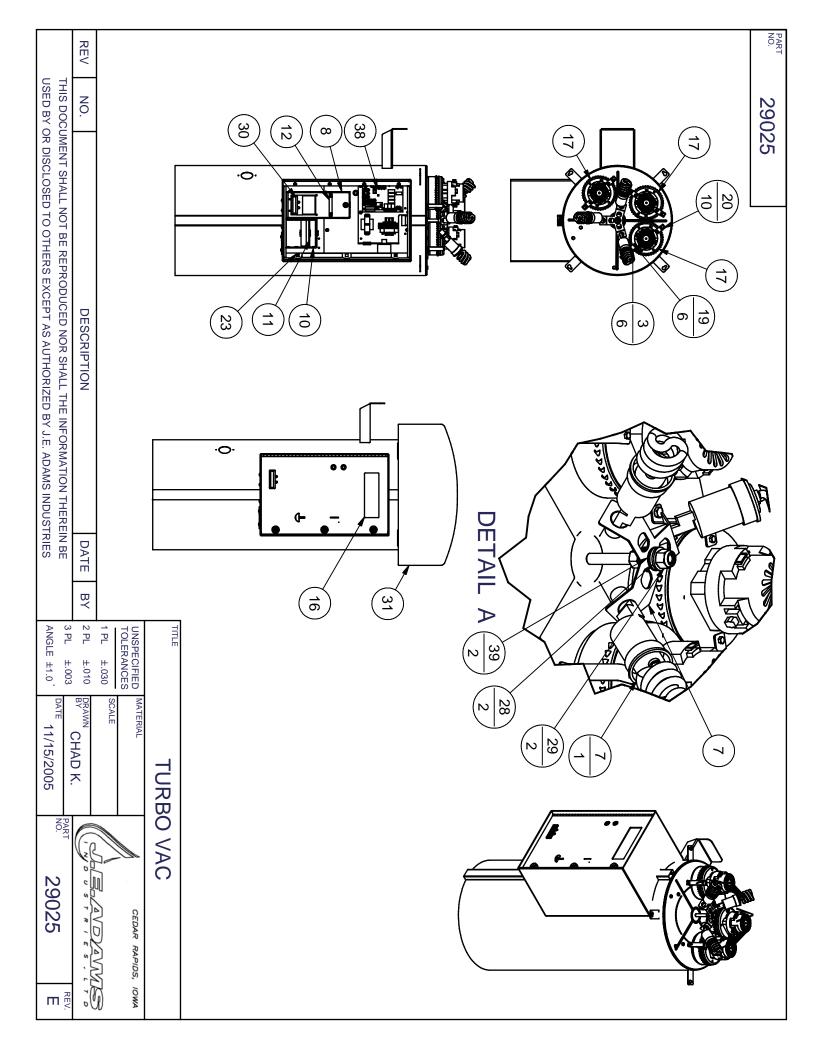
#### disconnect power before doing this.

• All servicing of machine should be conducted by an authorized service representative.

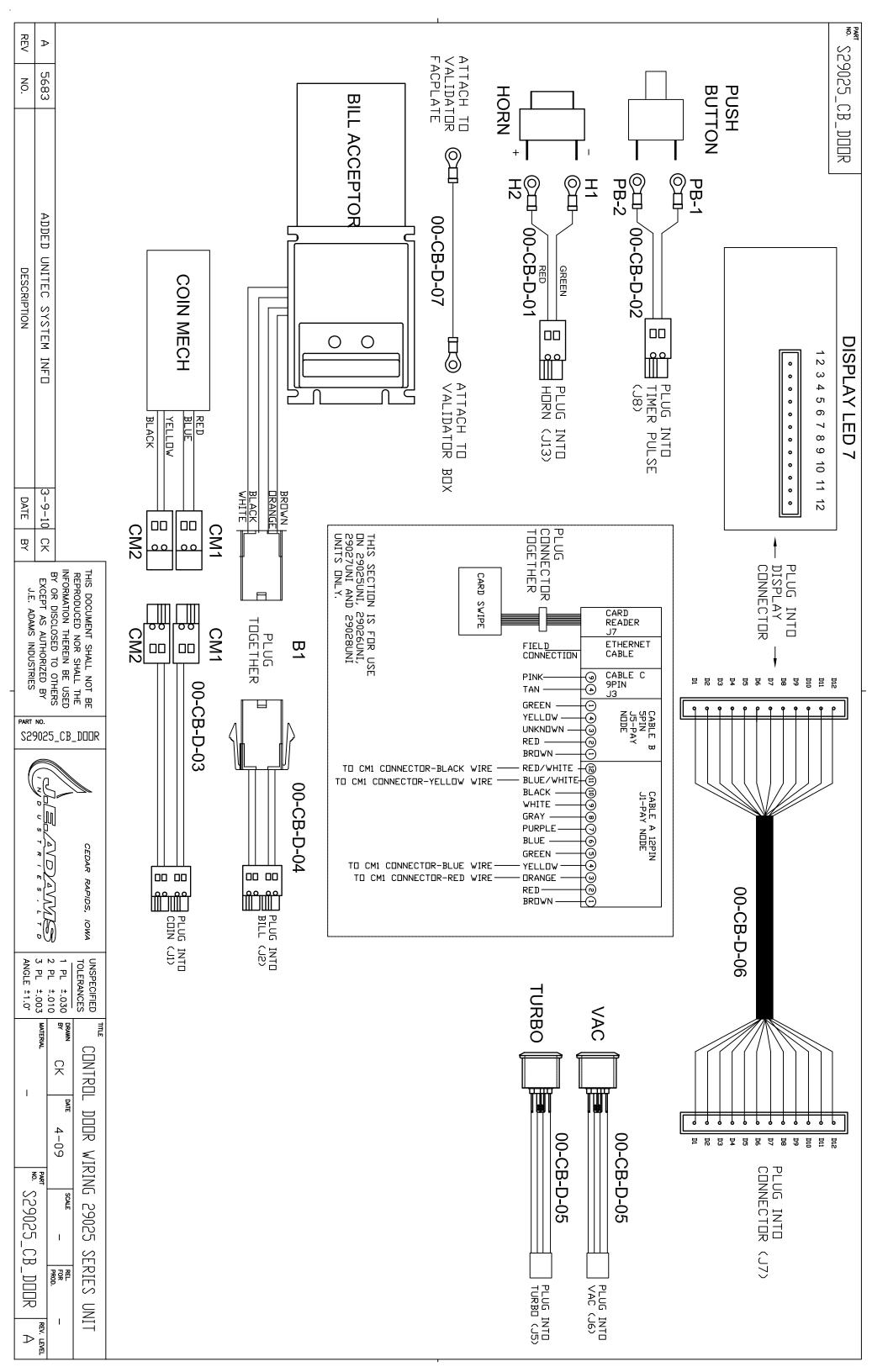
### Troubleshooting: DISCONNECT POWER BEFORE SERVICING

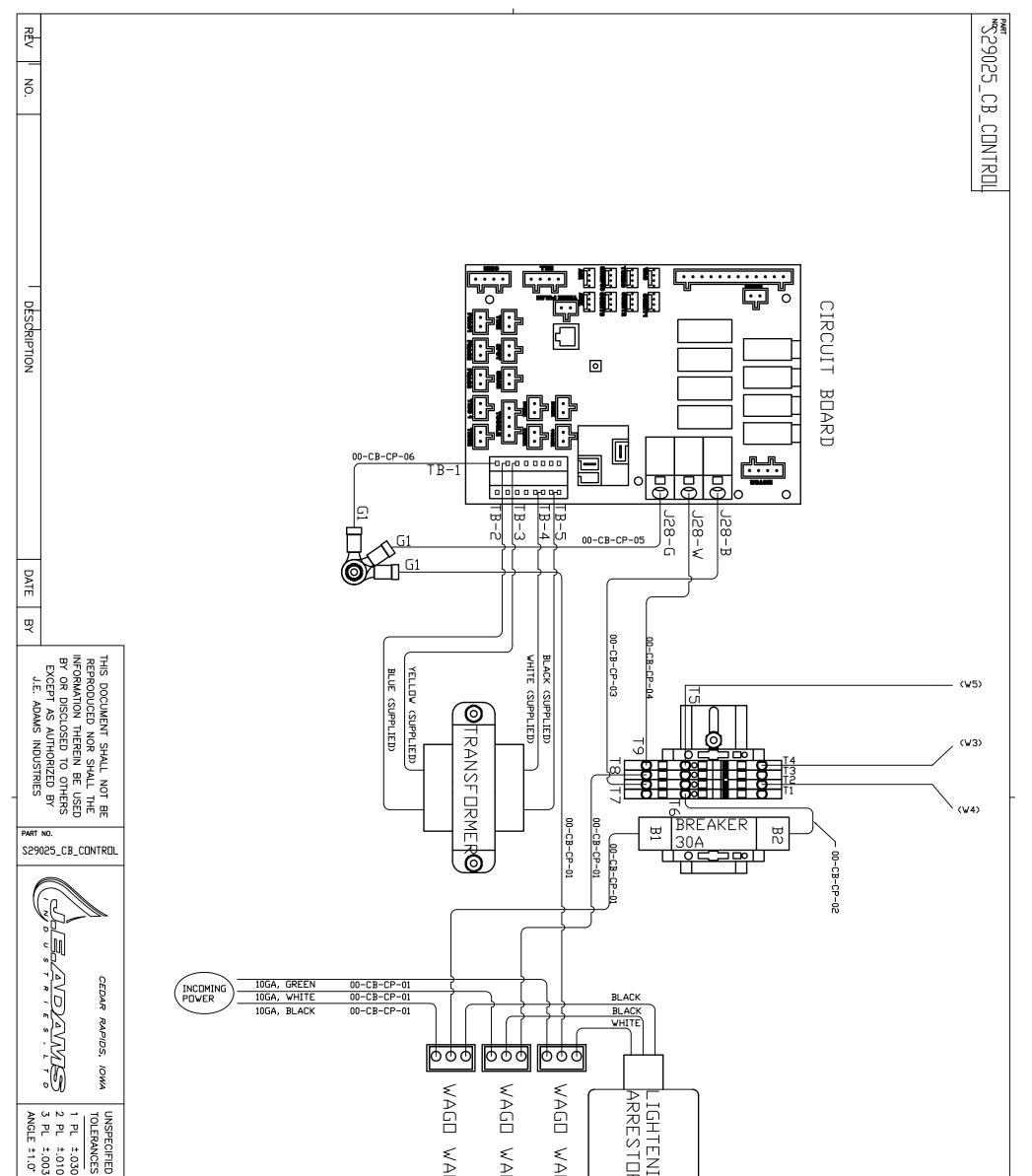
Problem	Possible cause	Solution			
Unit is not powered	Breaker inside unit is not in the on position	Flip breaker on			
Display is not powering	Breaker inside unit is not in the on position	Flip breaker on			
	Check transformer inside main power box in unit. Is there 24VAC at output terminal?	Replace transformer (8131-2)			
Display reads "fail"	Coin acceptor putting out continuous pulse	Press mode button on display. If fail does not go away replace coin acceptor. (8149-92)			
	Program in display may be lost	Reprogram display. If fail goes away and then comes back, replace battery in display.			
Unit keeps blowing my breaker from my incoming power source	Inadequate wire size supplied to machine	Call electrician and install proper wire size for 30amp service versus length or run.			
	Wrong size breaker	Install correct breaker( only use wire size that is adequate to handle 30 amp breaker)			
Fuses for vac motors keep blowing.	Inadequate wire size supplied to machine	Call electrician and install proper wire size for 30amp service versus length or run.			
	Motor brushes may be bad or too short	Replace motor brushes (8055BR)			
Vac motors will not shut off after display has timed out	Check contactors for vac and turbo located in relay control box	If contact is stuck open replace with new contactor. (5967D001)			
Unit has lost suction	Vac hose clogged	Clean out debris from vac hose			
	Filter bags need cleaned	Clean out filter bags or replace (8076)			
	Vac hose is damaged	Replace vac hose (2036)			

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		BY 2 PL	DATE		DESCRIPTION	NO.	REV
PIDS, IOWA	UNSPECIFIED MATERIAL CEDAR RAPIDS, IOWA   TOLERANCES SCALE SCALE	CK 1 PL	3-08	611D4 1) 5603D2	REMOVED (1) 29000-14W, (2) 8958-2, (2) 8659-24, (3) 5611D4 AND (8) 5601D4; ADDED (1) 29029-12, (11) 5635D1 AND (11) 5603D2	4323 A	c
	TURBO VAC	ĥ	4-08		ADD CARDBOARD BOX TO BOM	4433	D
		CK	4-09	9A )25-7CBA	REMOVED 29000-22, 29025-17A, 29000-21, 29025-19A 29025-7A-1 AND 5640D1 (4). ADDED 29000-250A AND 29025-7CBA	5114	т
		СК	4-09		ADDED 00-CB-WIREKIT	5114	т
o (	ORANGE WIRE NUT	5901D4			5871B8 CAPS AND SHIP WITH UNIT.		1) BAG
20	HEAT SHRINK	572101	3 <u>4</u> 57				NOTE
<u>د</u> د	24" PLASTIC DOME	06		_ <b>_</b>		00-CB-WIRE	55
-	MARS 110V BILL VALIDATOR	8130-6	30 81	<u> </u>	50A CONTROL PANEL ASSEMBLY W/CB	29000-250A	38
2	Nyloc	5603D11		<u> </u>	CARDBOARD BOX	8630	54
2	WASHER, FLAT 1/2 SAE	5606D10	_	11		5603D2	37
2	10 Std NF Nylock Nut	5603D9		11	1/4-20x1,	5635D1	36
ω	1/4 Std NC Nylock Nut	5603D5		-		29029-12	35
4	CAGE NUT	5644D1		_	FINISHING PLUG	8687-3	53
2	#10-24 PHIL. PAN HEAD SCREW	5636D1		8		5871B8	52
10		5601D1		<b>_</b>		29025Y-KIT	51
ი	#10 x 1/2 TAP SCREW	80		14	RIVET 3/16	5647D8	50
ω	MOTOR GASKET	8057	18 80	16	RIVET 1/8	5647D2	49
ω		I		2	DOOR GASKET	8159	48
<u> </u>	Ä	29025-7CBA		4		8153-1	47
		29025-1W		2	CLEANOUT DOO	8615-5W	46
<b>_</b>		29000-59	12 29	2		8000-23	45
<b>_</b>		29000-52W		ω		B5997-001	44
<b>_</b>		29000-47W		ω		B5996-010	43
<b>_</b>		29000-45W		2	MEDECO SCREW LOCK	8958-1	41
<b>_</b>	VALIDATOR BOX	29000-44W	8 29	<b>_</b>	PALLET	8939	40
		29000-30A		2	MMET	5639D4	39
റ	MOTOR MOUNT	28000-36	3 28	ω	DISCONNECT POWER DECAL	8182	38
	LAW AND	2058		4		8076	37
<b>_</b>	2 x 15' VAC HO			_	WAGO WIRE N	8000-25	36
QTY	NUMB DESCRIPTION	PART NU	ITEM P	QTY I	-	PART NUMB	ITEM
	BILL OF MATERIALS				BILL OF MATERIALS		
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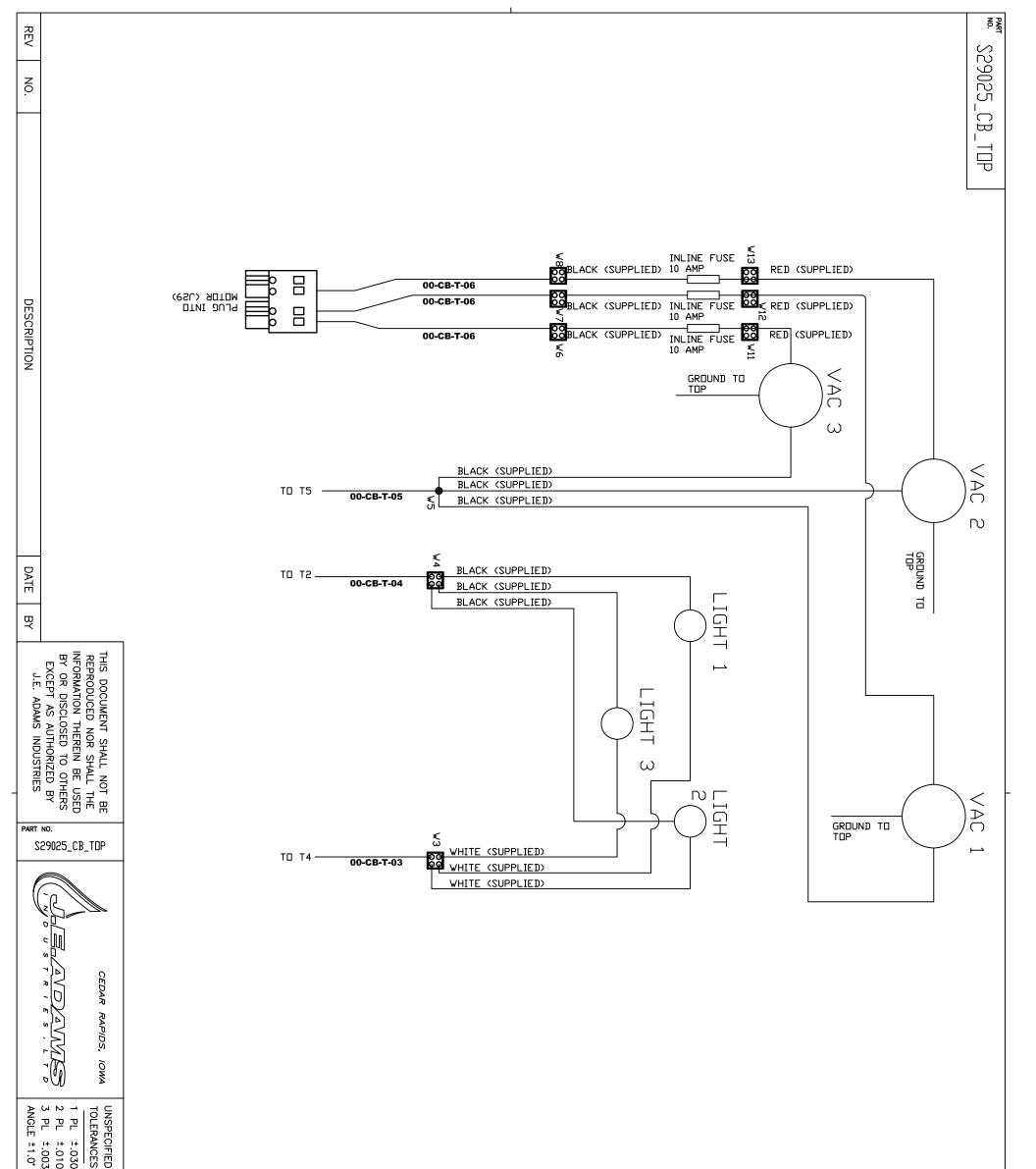


MILE     PART I NUMBER       8149-92     IMONEX COIN       8157     NUT, #6-32 K       5629D2     HORN EX COIN       5611D2     NUT, 10-24 U       29000-25     HORN BRACH       29000-25     HORN BRACH       29000-15     BIG DIXMOR       8000-15     BIG DIXMOR       8000-15     BIG DIXMOR       9958-2     CONTROL DO       00-CB-D-05     BLUE PUSH BUTTO       00-CB-D-05     BLUE PUSH E       MEDECO SCI     5       1     2000       2     1       2     1       2     1       2     4       1     2       2     4       2     2       2     2       2     2       2     2       2     2       3     1       4     1       2     2       2     2       2     2       2     2 <th>REV.</th> <th></th> <th>3 PL ANGLE</th> <th>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</th> <th>SHALL NOT BE REPRODUCED NC</th> <th>THIS DOCUMENT SHALL NOT BE</th> <th>с <u>ч</u></th>	REV.		3 PL ANGLE	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	SHALL NOT BE REPRODUCED NC	THIS DOCUMENT SHALL NOT BE	с <u>ч</u>
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11   ITEM FINUMBER   DESCRIPTION     1   8149-92   IMONEX COIL ACCEPTOR - ELECTRIC     2   8157   NUT, #6-32 KEPP NUT STAINLESS     3   29000-24   DISPLAY BRACKET     4   5611D2   NUT, 10-24 UNC KEPP- ZINC     6   8000-11   ALARM, LAST COIN ALERT     7   29000-25   HORN BRACKET     8   29000-34   LEXAN WINDOW     9   8000-15   BIG DIXMOR DISPLAY     10   8729-7CBW   CONTROL DOOR WELDMENT     14   29000-199   GASKET, VALIDATOR MOUNT     15   8958-2   LOCK COLLAR -SS     16   00-CB-D-05   BLUE PUSH BUTTON     4   4   5   3     4   4   5   3     5   GUE PUSH BUTTON   4     4   4   5   3     6   9   0   3     7   29000-199   GASKET, VALIDATOR MOUNT     15   8958-2   MEDECO SCREW LOCK     5   BLUE PUSH BUTTON   5     4   4   5   3 <td></td> <td></td> <td></td> <td></td> <td>) (</td> <td>()6 5</td> <td><math>\sim</math></td>					) (	()6 5	$\sim$
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MPART NUMBERDESCRIPTION8149-92IMONEX COIN ACCEPTOR - ELECTRIC8157NUT, #6-32 KEPP NUT STAINLESS29000-24DISPLAY BRACKET5629D2#8 x 1/2 SELF TAPPING SCREW5611D2NUT, 10-24 UNC KEPP- ZINC8000-11ALARM, LAST COIN ALERT29000-25HORN BRACKET29000-34EIG DIXMOR DISPLAY8726PUSH BUTTON8659-24LOCK COLLAR -SS29000-199GASKET, VALIDATOR MOUNT8958-2MEDECO SCREW LOCK00-CB-D-05BLUE PUSH BUTTON		45385310		Đị	15		
VIPART NUMBERDESCRIPTION8149-92IMONEX COIN ACCEPTOR - ELECTRIC8157NUT, #6-32 KEPP NUT STAINLESS29000-24DISPLAY BRACKET5629D2#8 x 1/2 SELF TAPPING SCREW5611D2NUT, 10-24 UNC KEPP- ZINC8000-11ALARM, LAST COIN ALERT29000-25HORN BRACKET29000-34LEXAN WINDOW8659-24LOCK COLLAR -SS29025-7CBWCONTROL DOOR WELDMENT29000-199GASKET, VALIDATOR MOUNT8958-2MEDECO SCREW LOCK		BLUE PUSH BUTTON	D-05	16			
VIPART NUMBERDESCRIPTION8149-92IMONEX COIN ACCEPTOR - ELECTRIC8157NUT, #6-32 KEPP NUT STAINLESS29000-24DISPLAY BRACKET5629D2#8 x 1/2 SELF TAPPING SCREW5611D2NUT, 10-24 UNC KEPP- ZINC8000-11ALARM, LAST COIN ALERT29000-25HORN BRACKET29000-34LEXAN WINDOW8659-24LOCK COLLAR -SS29025-7CBWCONTROL DOOR WELDMENT29000-199GASKET. VALIDATOR MOUNT		MEDECO SCREW LOCK		15			
MI PART NUMBER DESCRIPTION   8149-92 IMONEX COIN ACCEPTOR - ELECTRIC   8157 NUT, #6-32 KEPP NUT STAINLESS   29000-24 DISPLAY BRACKET   5629D2 #8 x 1/2 SELF TAPPING SCREW   5611D2 NUT, 10-24 UNC KEPP- ZINC   8000-11 ALARM, LAST COIN ALERT   29000-25 HORN BRACKET   29000-34 LEXAN WINDOW   8659-24 DIG DIXMOR DISPLAY   8659-24 LOCK COLLAR -SS   20005 7000/25 LOCK COLLAR -SS		GASKET. VALIDATOR MOUNT	29000-199	14			
VIPART NUMBERDESCRIPTION8149-92IMONEX COIN ACCEPTOR - ELECTRIC8157NUT, #6-32 KEPP NUT STAINLESS29000-24DISPLAY BRACKET5629D2#8 x 1/2 SELF TAPPING SCREW5611D2NUT, 10-24 UNC KEPP- ZINC8000-11ALARM, LAST COIN ALERT29000-25HORN BRACKET29000-34LEXAN WINDOW8726PUSH BUTTON	1		)	12			
IMI PART NUMBER DESCRIPTION   8149-92 IMONEX COIN ACCEPTOR - ELECTRIC   8157 NUT, #6-32 KEPP NUT STAINLESS   29000-24 DISPLAY BRACKET   5629D2 #8 x 1/2 SELF TAPPING SCREW   5611D2 NUT, 10-24 UNC KEPP- ZINC   8000-11 ALARM, LAST COIN ALERT   29000-25 HORN BRACKET   29000-34 LEXAN WINDOW   8000-15 BIG DIXMOR DISPLAY	1	PUSH BUTTON	8726	10			
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IM PART NUMBER DESCRIPTION   8149-92 IMONEX COIN ACCEPTOR - ELECTRIC   8157 NUT, #6-32 KEPP NUT STAINLESS   29000-24 DISPLAY BRACKET   5629D2 #8 x 1/2 SELF TAPPING SCREW   5611D2 NUT, 10-24 UNC KEPP- ZINC   8000-11 ALARM, LAST COIN ALERT   29000-25 HORN RRACKET		LEXAN WINDOW		∞ -			
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8149-92 IMONEX COIN ACCEPTOR - ELECTRIC 8157 NUT. #6-32 KEPP NUT STAINLESS		DISPLAY BRACKET	29000-24	ω			
		NUT. #6-32 KEPP NUT STAINLESS	8157	2 -			
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S29025_CB_CONTROL -	PART -	9025 SI						



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MATERIAL	DRAWN BY	TITLE
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