



Models - 15000 Air/Water and 15002 Air Machines

Page 2	Product Information
Page 3	Specifications
Page 4	Important Safety Instructions
Page 5	Product Dimensions
Page 6-7	Opening the Cabinet
Page 8-9	Installation
Page 10	Timer Set-Up
Page 11	Operating Instructions & Maintenance
Page 11-12	Troubleshooting
Page 13-14	Parts List
Page 15	Wiring 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:** \_\_\_\_\_

**DISTRIBUTOR:** \_\_\_\_\_

**J.E. Adams Industries  
1025 63rd Ave. S.W.  
Cedar Rapids, IA 52404  
1-800-553-8861  
[www.jeadams.com](http://www.jeadams.com)**

# Specifications

Unit specifications:

Voltage: 120vac, 60hz  
Amperage: (1) 10 amp service is required (3/4HP twin cylinder compressors)  
Compressor: 3/4 hp, twin cylinder  
Water Solenoid: 120vac, 60hz (15000 only)  
Timer: SSAC 120VAC, 60HZ (standard – others available on request)  
Weight: 230 lbs with packaging

**DUTY CYCLE: 4 minutes on, 4 minutes off.**

**NOTE: “UNIT INTENDED FOR COMMECIAL 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:

- 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 dirt and anything that may reduce flow.
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
- Do not use near flammable or combustible liquids, such as gasoline, or use in areas where they may be present.
- Do not use near anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- Products such as "Fix-A-Flat" are highly combustible and cannot be used in conjunction with air machine!

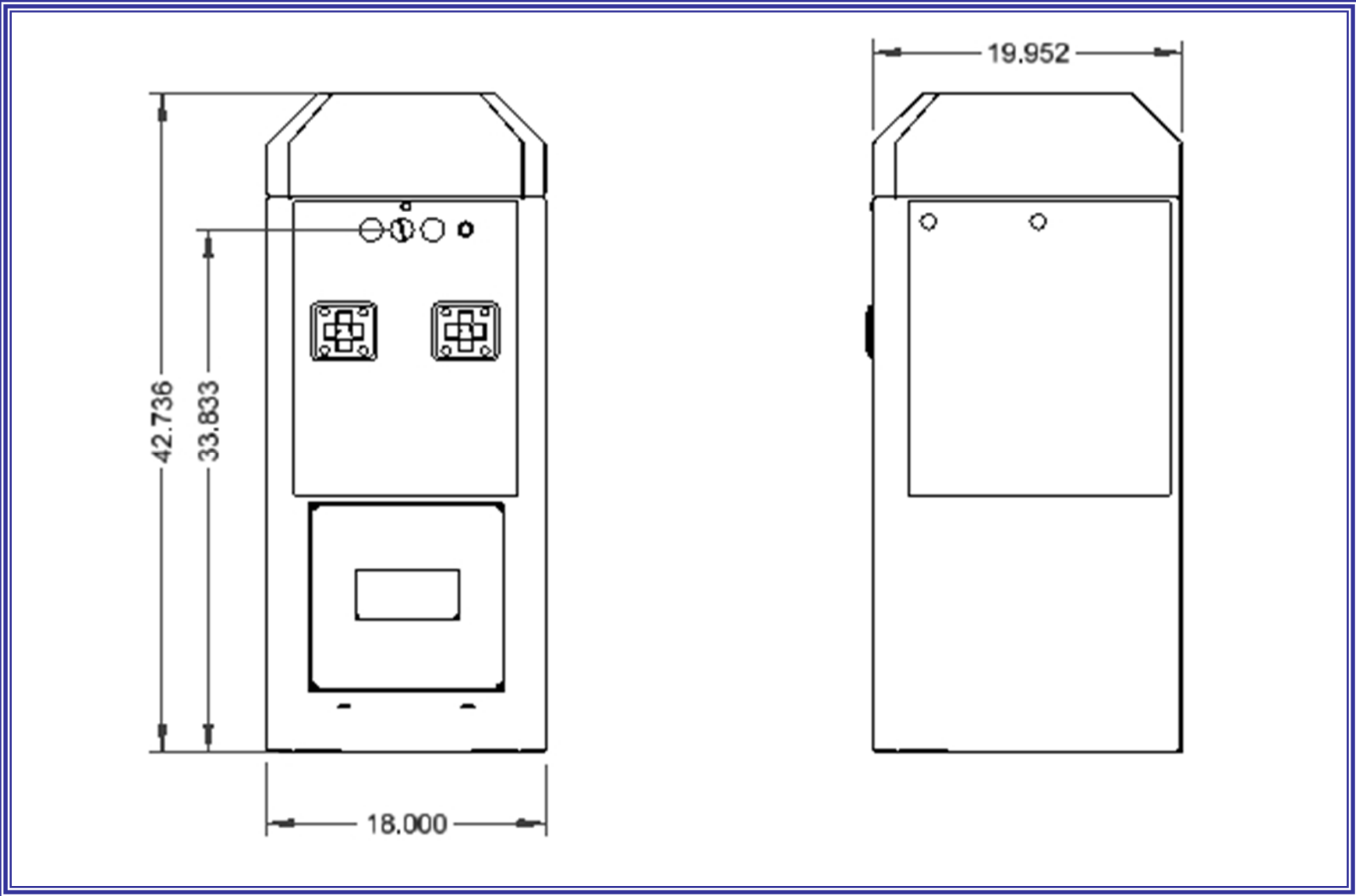


## SAVE THESE INSTRUCTIONS

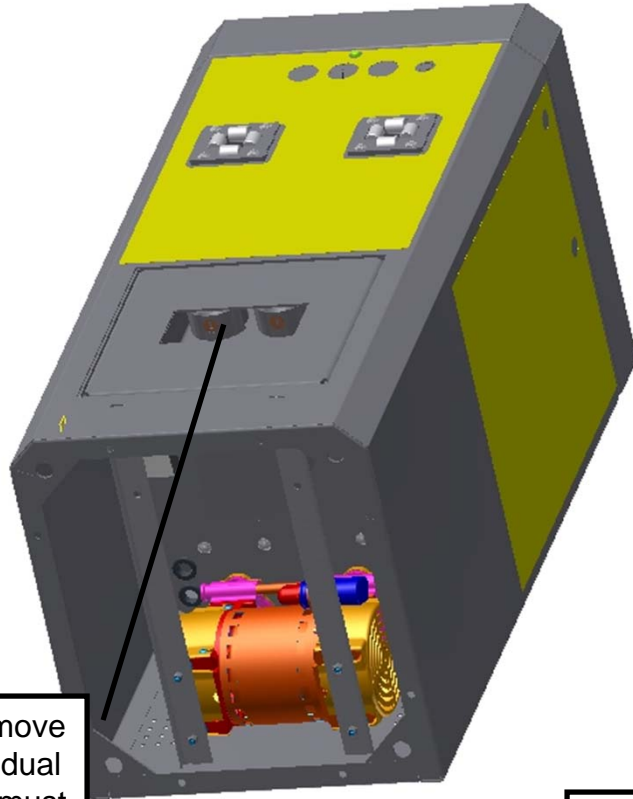


- **Installation Instructions:**
- Determine location to mount unit (“**DANGER**” “**THIS EQUIPMENT INCORPORATES PARTS SUCH AS SWITCHES, MOTORS, OR THE LIKE THAT TEND TO PRODUCE ARCS OR SPARKS THAT CAN CAUSE AN EXPLOSION. WHEN LOCATED IN GASOLINE-DISPENSING AND SERVICE STATIONS INSTALL AND USE AT LEAST 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.
- **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



Accessing inside of cabinet:



To remove door, dual locks must be unlocked.



To remove door, tilt down and pull outward.

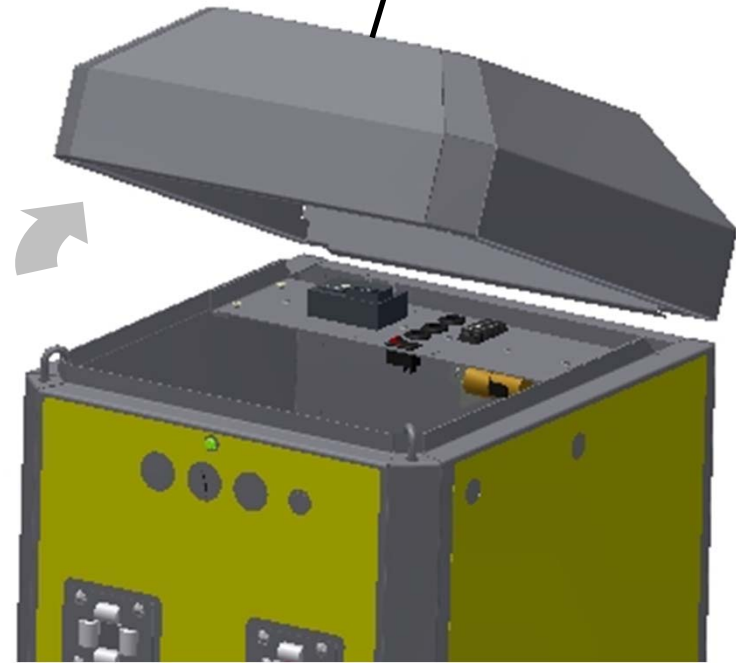
After removing door, the dome can be removed by unlatching the latches located inside the cabinet left and right of the door area.

## Accessing inside of cabinet:

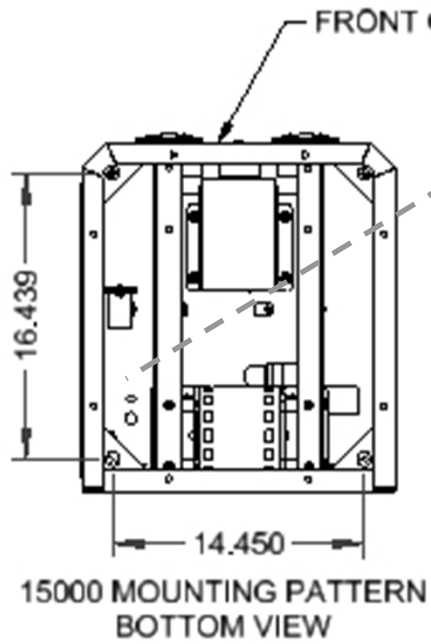
After unlatching, raise both rods up and then rotate 180 degrees to disengage rods from dome.



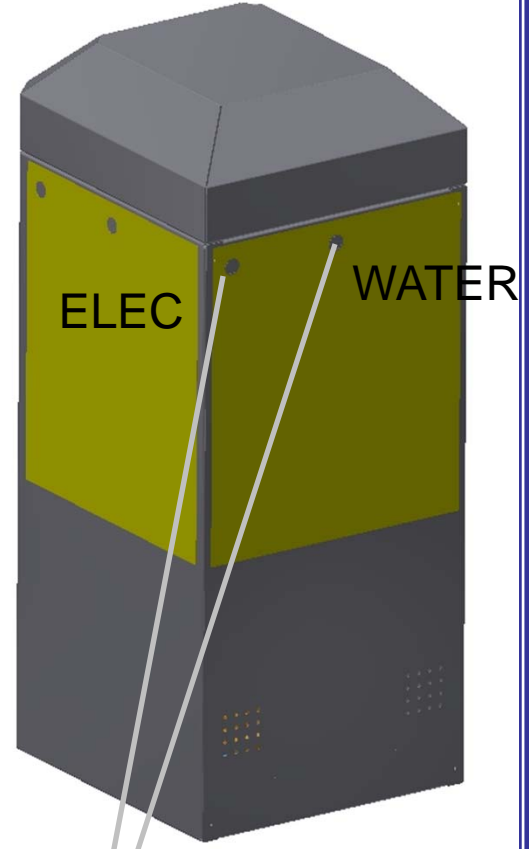
Dome can then be tilted upward and back for final removal.



**Installation:**



Use this side of cabinet if bottom incoming electrical. (OPTIONAL)



Drill holes into concrete surface according to bolt pattern and install minimum 3/8" dia. studs (4). Larger studs are preferred for the .875" size holes in the bottom of the cabinet.



Bring electrical in underneath unit or in through rear hole(s) in lower cabinet. Water line can also be routed through these rear holes. (RECOMMENDED)



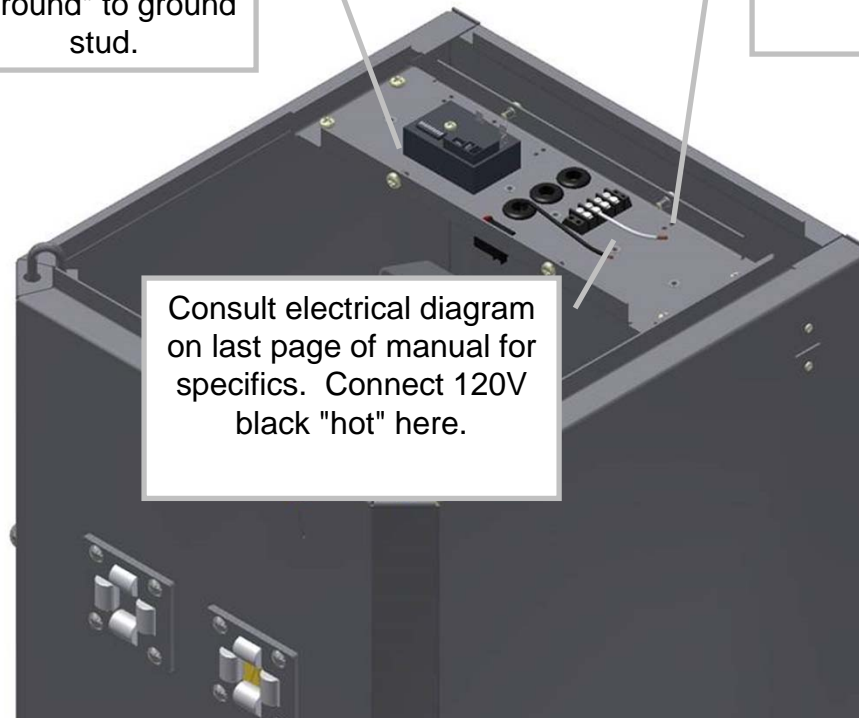
**Electrical:**

Remove dome to air machine to access terminal strip.

**NOTE: AIR MACHINE SHOULD BE INSTALLED PER LOCAL ELECTRICAL CODES BY QUALIFIED ELECTRICIAN.**

Consult electrical diagram on last page of manual for specifics. Connect green "ground" to ground stud.

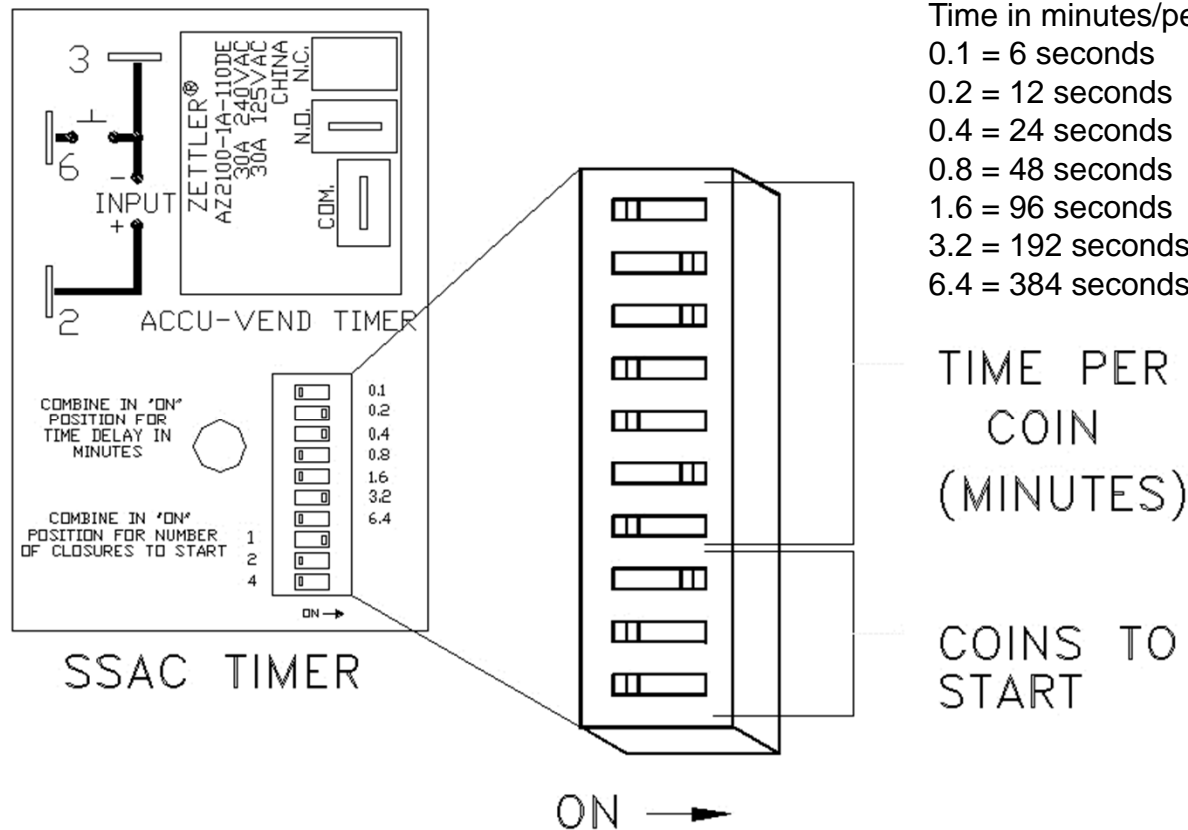
Consult electrical diagram on last page of manual for specifics. Connect 120V white "neutral" here.



Consult electrical diagram on last page of manual for specifics. Connect 120V black "hot" here.

## 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.



### **Machine Operating Instructions:**

- 1) Read safety instructions on previous pages.
- 2) Insert coins to start.
- 4) Compressor will start.
- 5) Apply chuck to tire valve stem and fill to desired pressure. NOTE: For best results, remove valve stem covers on all tires before depositing money.
- 6) Hang hose up when finished.

### **Maintenance:**

- **All servicing of machine should be conducted by an authorized service representative!**
- Periodically inspect hose, chuck, and chuck washer for wear or fatigue.
- Every month remove filter from compressor and clean.
- Periodically inspect electrical wires and connections for wear or fatigue.
- Clean canister with a stainless steel cleaner as needed.
- Decals can be cleaned with mild soap and water.
- Replacement parts can be ordered through JE Adams or your nearest dealer.

***WHEN PERFORMING MAINTENANCE OR TROUBLE-SHOOTING, TURN POWER OFF! QUALIFIED PERSONNEL ONLY!***



### **TROUBLESHOOTING:**

**ALWAYS DISCONNECT POWER BEFORE TROUBLESHOOTING!!**

<b>Problem</b>	<b>Possible cause</b>	<b>Solution</b>
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.
	Machine power switch is not on.	Remove dome and flip switch.
	Loose connection.	Check incoming power connection.

Unit runs but will not inflate tire.	Air is leaking from unit somewhere.	Turn power off to unit, apply chuck to air source with at least 30lbs of pressure and listen carefully for leaks inside cabinet or air hose. Replace faulty component if leaking.
	If no system leaks, is compressor putting out enough pressure?	If compressor cannot force air into tire, the compressor may have exceeded its life span and need rebuilt (about 1000 hours).
	Chuck washer is worn out?	Replace rubber washer inside chuck with JE Adams PN 8533-3CW.
	Temperature is below freezing and condensation off compressor has froze in air hose.	Remove air hose and chuck and bring into warm area to thaw. Optional air dry systems are available through JE Adams if frequent problem- please call.
Unit keeps tripping breaker from incoming power source	Wrong size breaker or other components running on same circuit.	Install correct breaker for compressor and make sure line is a dedicated power source.
	Compressor or timer might be shorted out?	Isolate problem component and replace if necessary.
Unit will not start	Possible component failure	Check key components to isolate failure: <b>Timer:</b> Verify proper input voltage. Activate timer. If no output voltage is present when timer should be active, replace timer.
		<b>Coin mech:</b> If using a mechanical coin mech, remove the wires leading to the timer from the coin mech and tap the together one time for each coin necessary to start the timer. If machine starts, replace the coin mech.
Unit will not dispense water (water machines only).	Is source water turned on and not frozen?	Turn on water to system and make sure temperature is above 32 deg.
	Is water solenoid getting power from timer?	If getting power from timer, replace solenoid.

PART NO.	15000
----------	-------

BILL OF MATERIALS				BILL OF MATERIALS			
ITEM	PART NUMBER	DESCRIPTION	QTY	ITEM	PART NUMBER	DESCRIPTION	QTY
39	8533-7	TIRE INFLATOR	1	1	15000-150	PALLET FOR XMAX	1
40	8545-4	HOSE ASEMBLY	2	2	15000-151	BOX, XMAX	1
41	8647	WATER SPOUT	1	3	15000KIT-REV A	DECAL KIT	1
42	8773	JB12 BOX W/ COVER AND LOCKS	1				
44	8920-1T	AMERICAN 2000 LOCK	2	4	15001-10A	CONTROL PLATE ASSEMBLY	1
45	8976-1	1 1/2" VAC HOSE, CUT TO 15.5"	1	5	15001-16W	DOOR PANEL WELDMENT	1
46	9280-21	BAR, LOCATOR-HOSE REEL	4	6	15001-1W-1	WRAP WELDMENT- XMAX, REEL CRAFT	1
47	9280f22	CAP, LOCATOR BAR	2	7	15001-30W	XMAX DOME ASSY	1
48	9862	110VAC 3/4 TWIN GAST COMPRESSOR	1	8	15001-41W	LOCKING ROD WELDMENT	2
49	B5722-002	3/8-16 HEX LOCKNUT	4	9	15001-42A	SOLENOID BRACKET ASSEMBLY	1



10	15001-51A	COUNTER ASSY	1
11	15001-65	LOCKING CLAMP	2
12	15001-915	COIN CHUTE, XMAX, REEL CRAFT	1
13	15001-916W	BRACKET WELDMENT, JB7, XMAX	1
14	40000-20	DUAL LOCK TAPE	2 <sup>#</sup>
15	5035D3	DOWEL PIN	8
16	5600D4	3/8-16 HHCS X 1.5	4
17	5603D2	1/4 Std NC Nylock Nut	4
18	5603D5	1/4 Std NC Nylock Nut	8
19	5603D9	10 Std NF Nylock Nut	4
21	5606D22	WASHER, 3/8 FENDER	8
22	5611D4	NUT, 5/16-18 UNC KEPP- SS	8
23	5622D3	3/8-16 x .75 HEX HEAD	4
24	5635D4	1/4-20 UNC CARRIAGE BOLT	8
25	5636D1	#10-24 PHIL. PAN HEAD SCREW	4
26	5639D6	RUBBER GROMMET	3
27	5827D1	45 DEG. STREET ELBOW	1
28	5913D3	GREEN NEON LIGHT	1
29	6025SHR	REEL CRAFT, BASE MOUNT	2
30	6027-1	RETAINER, ROLLER	2
31	6027-2	COVER, HOSE GUIDE	4
32	6027-3	ROLLER, HOSE GUIDE	8
33	8081	CABLE TIE MOUNT	7
34	8084	CABLE TIE	10
35	8124B001	COIN ACCEPTOR, IMONEX	1
36	8144A	ASSEMBLY, COIN MECH	1
37	8157	NUT, #6-32 KEPP NUT STAINLESS	8
38	8533-11	WHIP ASSEMBLY	1

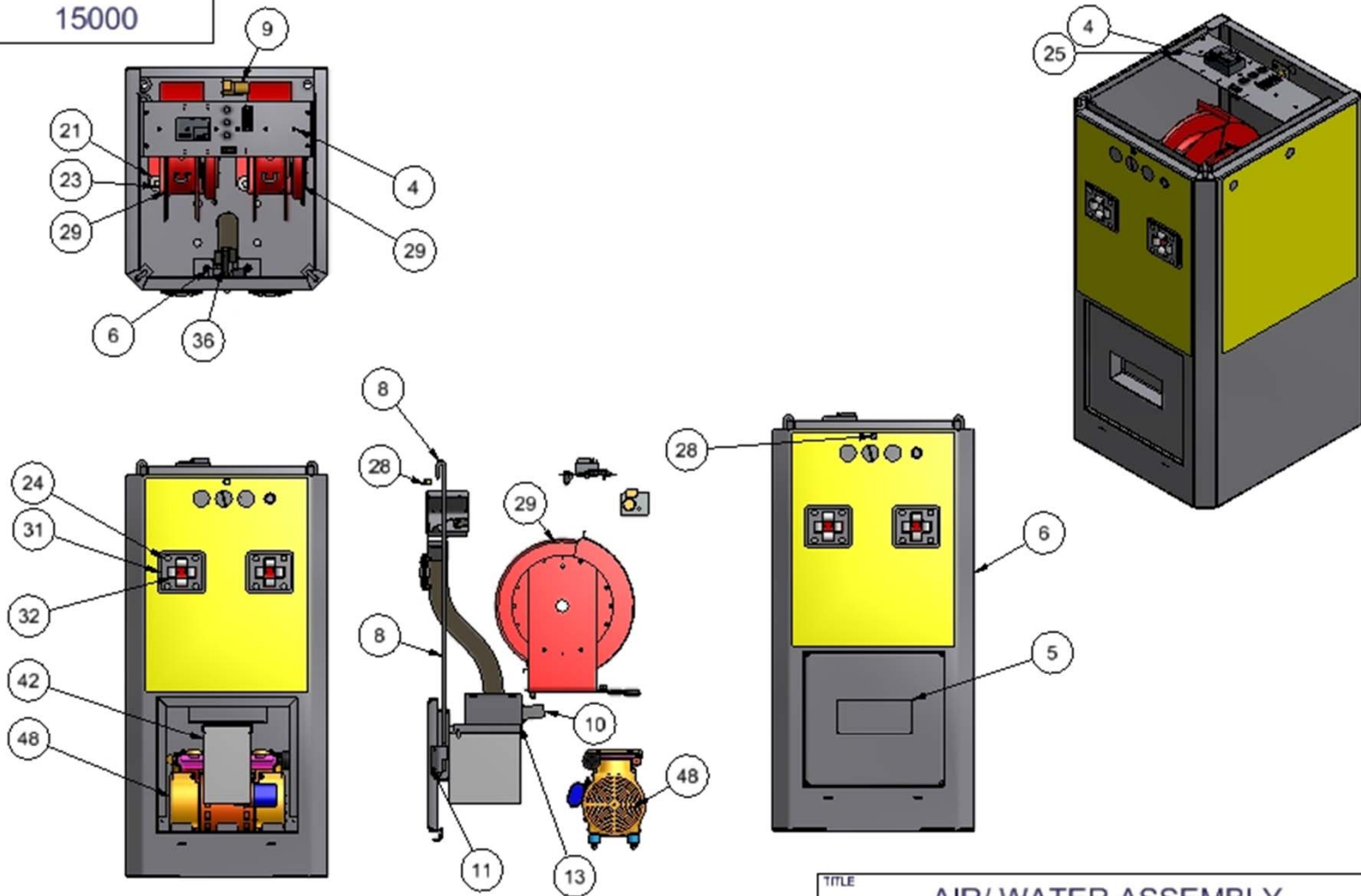
F	7097	REDESIGN TO USE REEL CRAFT, VAULT TUBE CHANGED	5-7-13	CK
E	6944	REMOVED 15001-11 AND (4) 5640D1	5-2-12	CK
D	6143	REMOVED 15001-8A AND ADDED 15001-8A-GAST	11-17-10	CK
C	5495	ADD HOSE REEL BRACKETS, ADD PALLET HARDWARE	011910	JF
B	5073	CREATED NEW COIN CHUTE FOR UNIT	4-09	CK
REV	NO.	DESCRIPTION	DATE	BY


TITLE		<b>AIR/ WATER ASSEMBLY</b>	
UNSPECIFIED TOLERANCES	MATERIAL		
1 PL ±.030	SCALE		
2 PL ±.010	DRAWN BY CHAD K.		
3 PL ±.003	DATE 4/7/2009		
ANGLE ±1.0°	PART NO. 15000	REV. F	

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

PART  
NO

15000



TITLE		AIR/ WATER ASSEMBLY	
UNSPECIFIED TOLERANCES	MATERIAL	 CEDAR RAPIDS, IOWA	
1 PL ±.030	SCALE		
2 PL ±.010	DRAWN BY CHAD K.		
3 PL ±.003	DATE 4/7/2009		
ANGLE ±1.0°		PART NO. 15000	REV. F

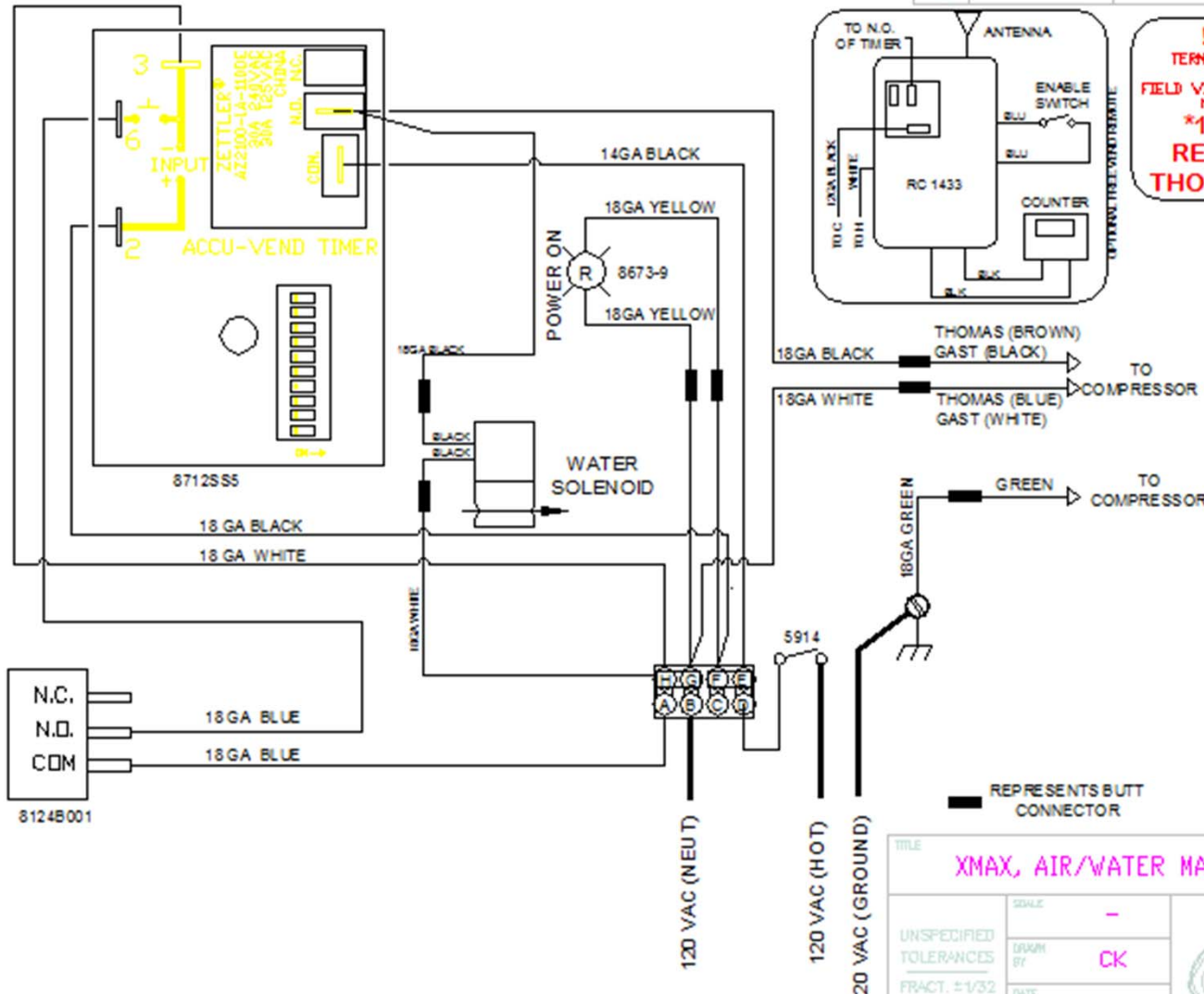
REV	NO.	DESCRIPTION	DATE	BY
THIS DOCUMENT SHALL NOT BE REPRODUCED NOR SHALL THE INFORMATION THEREIN BE USED BY OR DISCLOSED TO OTHERS EXCEPT AS AUTHORIZED BY J.E. ADAMS INDUSTRIES				

15000 SERIES

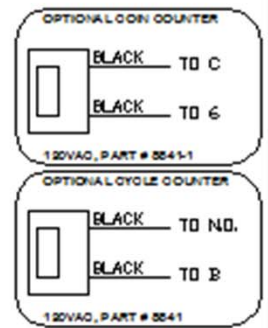
THIS DOCUMENT SHALL NOT BE REPRODUCED NOR SHALL THE INFORMATION THEREIN BE USED BY OR DISCLOSED TO OTHERS EXCEPT AS AUTHORIZED BY J.C. ADAMS INDUSTRIES

BILL OF MATERIAL

ITEM NO.	PART NO.	DESCRIPTION	QTY.
----------	----------	-------------	------



**!! IMPORTANT !!**  
 TERMINAL STRIP IS ON LEFT SIDE OF MACHINE ON BACK WALL. FIELD WIRING MUST COMPLY WITH LOCAL AND NATIONAL ELECTRICAL CODES.  
**\*10AMP SERVICE IS REQUIRED FOR TWIN THOMAS & GAST UNITS\***



TITLE		SCALE	DATE
XMAX, AIR/WATER MACHINE, SSAC TIMER		-	8-12-10
UNSPECIFIED TOLERANCES	DRAWN BY	DATE	
FRACT. ±1/32	CK		
2 PL ±.020			
3 PL ±.010			
ANGLE ±1.0°			
REL. FOR PROJ.			

REV	NO.	DESCRIPTION	DATE	BY
A	7097	REMOVED MICRO SWITCH FROM SOLENOID FUNCTION	5-7-13	CK

OCDAFF PAPERS, IOWA

PART NO. 15000 SERIES