

Models - 8670 & 8651 series No/Bill Acceptor

8671 & 8652 Series with Bill Acceptors

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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>Unit specifications:</u> 8670, 8671, 8651 & 8652 Series

Voltage: 120vac, 60hz

Amperage: (1) 15 amp service is required (twin cylinder compressors or compressor-less)*

Compressors: 3/4 HP, twin cylinder models

Water Solenoid: 120vac, 60hz

Timer: SSAC is standard, others timers available upon request

Weight: 77 lbs. twin cylinder models, no packaging

Twin cylinder



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!

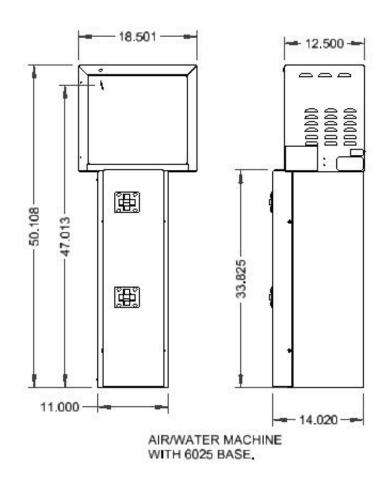


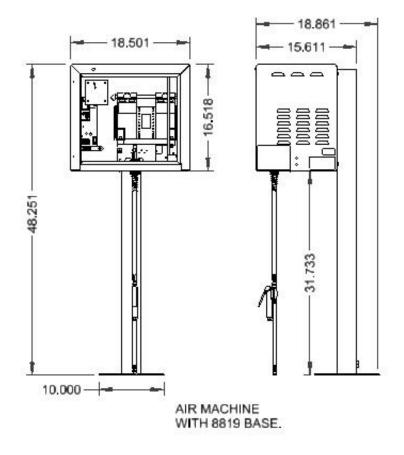
SAVE THESE INSTRUCTIONS



- 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.
- Licensed plumbers are recommended for installation (water machines).

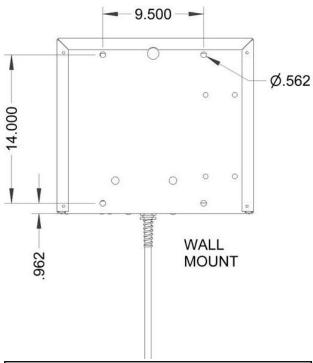
PRODUCT DIMENSIONS





^{*}For compressor-less units, air supply to be routed by customer to solenoid inside air machine*

Wall mounting:



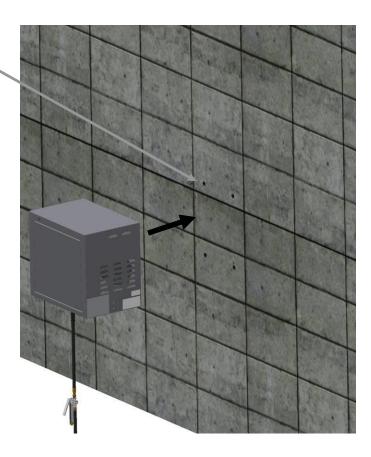
After drilling holes in concrete wall for mounting, open cabinet door and lift/align cabinet to wall and fasten with customer supplied hardware.

Use two people!!

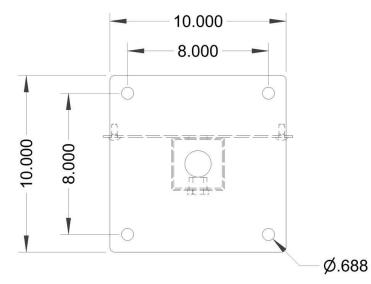
Drill holes according to rear of cabinet 9.5" x 14" bolt pattern.

WALL MOUNTING PATTERN, REAR VIEW:

Use minimum 3/8" diameter bolt and drill/anchor at least 4" into block or concrete.



8819 pedestal mounting:

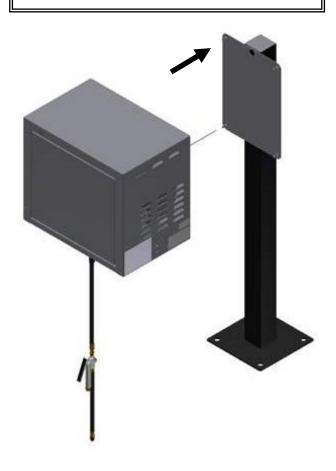


PEDESTAL MOUNTING PATTERN, BOTTOM VIEW:

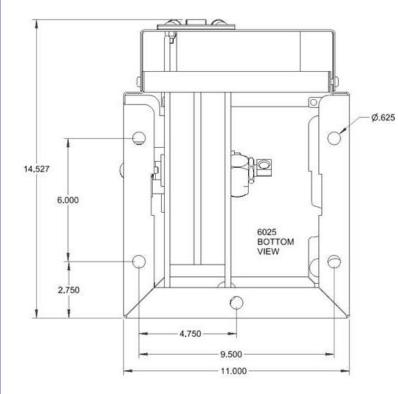
Use minimum 3/8" diameter stud and drill/anchor at least 4" into concrete.

After mounting pedestal to concrete, open cabinet door and lift/align cabinet to pedestal with nuts/washers to carriage bolts on pedestal mounting plate.

Use two people!!



6025/6026 reel base mounting:



REEL BASE MOUNTING PATTERN, BOTTOM VIEW:

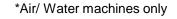
Use minimum 3/8" diameter stud and drill/anchor at least 4" into concrete.

After mounting reel base to concrete, open cabinet door and set air cabinet onto reel base. Fasten cabinet with bolts provided to reel base.

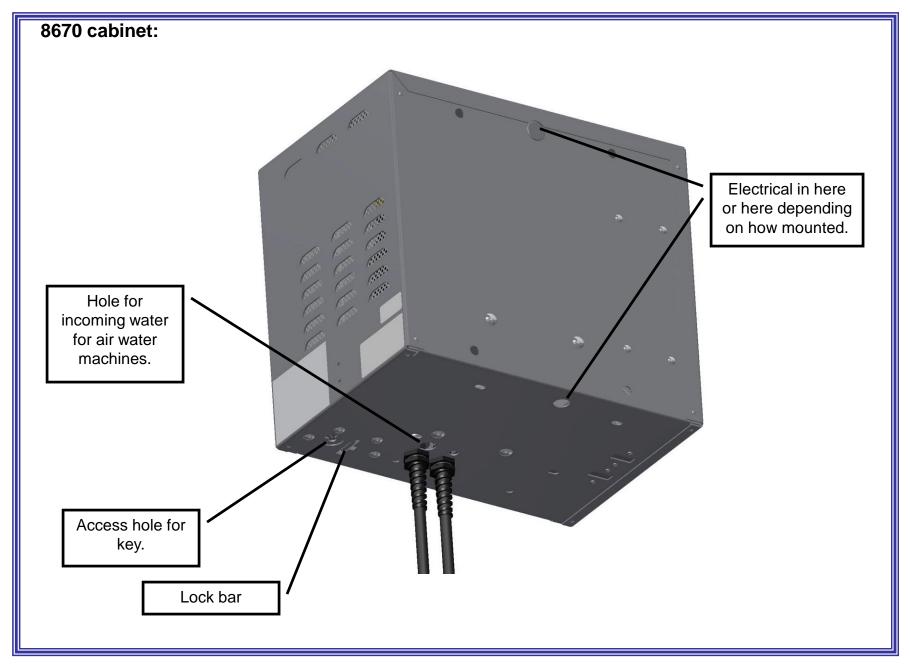
Use two people!!

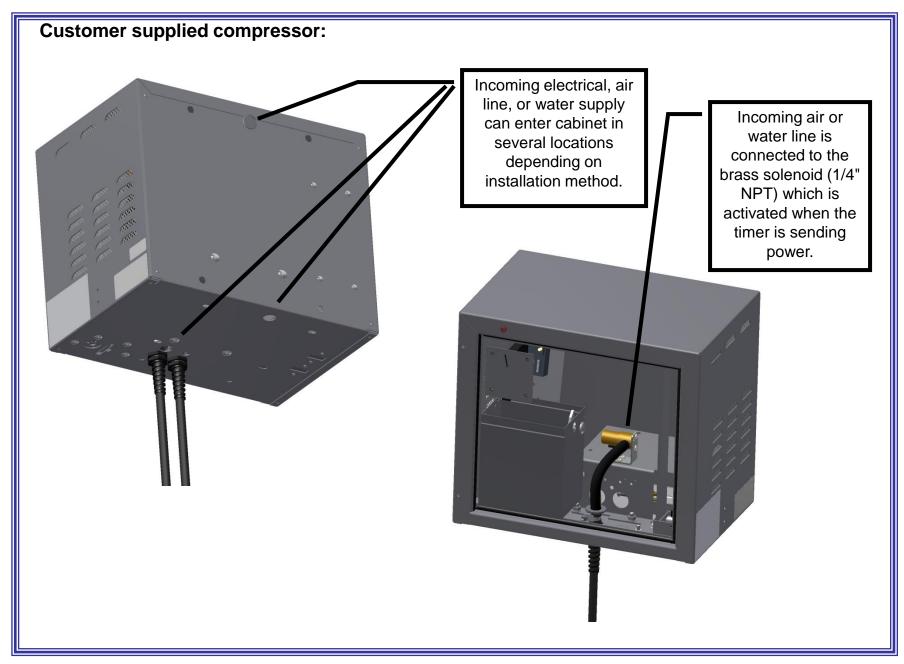


Install the 8545-4 lines to the air compressor and *water solenoid* inside the air cabinet and then to the hose reels in the base.







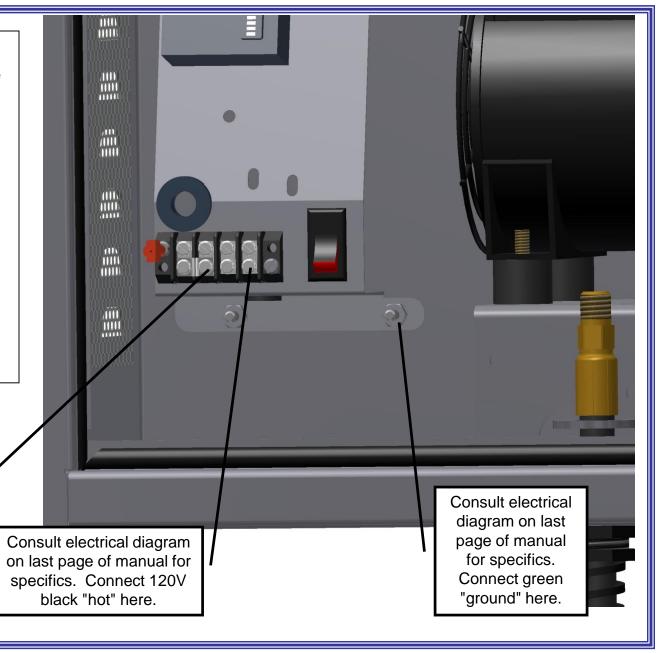


Electrical:

Open door to air machine to access terminal strip.

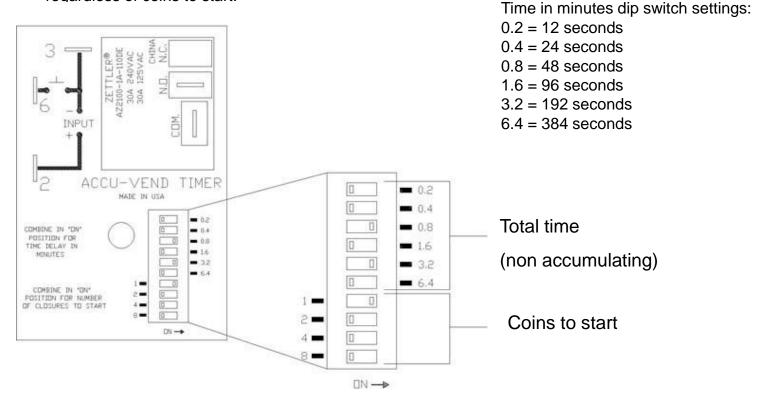
NOTE: AIR
MACHINE
SHOULD BE
INSTALLED
PER LOCAL
ELECTRICAL
CODES BY
QUALIFIED
ELECTRICIAN.

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



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.



Machine Operating Instructions:

- 1) Read safety instructions on previous pages.
- 2) Insert coins (or bills) to start.
- 3) Compressor will start.
- 4) 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.
- 5) 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!! | | | | | | | |
|-----------------------|--|------------------------------------|--|--|--|--|--|--|
| Problem | Possible cause | Solution | | | | | | |
| | Breaker inside fuse panel is not in the on position. | Turn breaker on. | | | | | | |
| Unit is not powered. | No power to machine. | Check incoming power line voltage. | | | | | | |
| Officis flot powered. | Machine power switch is not on. | Remove dome and flip switch. | | | | | | |
| | Loose connection. | Check incoming power connection. | | | | | | |

| | 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 ai hose. Replace faulty component if leaking. |
|--|--|--|
| Unit runs but will | If no system leaks, is compressor putting out enough pressure? | If compressor cannot force air into tire, the compressor may have exceeded its life spa and need rebuilt (about 1000 hours). |
| not inflate tire. | Chuck washer is worn out? | Replace rubber washer inside chuck with January Replace rubber rubber washer inside chuck with January Replace rubber rubber rubber washer rubber rubb |
| | 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. |
| Unit keeps tripping breaker from | Wrong size breaker or other components running on same circuit. | Install correct breaker for compressor and make sure line is a dedicated power source |
| incoming power source | Compressor or timer might be shorted out? | Isolate problem component and replace if necessary. |
| | | Check key components to isolate failure: |
| | | Timer: Verify proper input voltage. Activate timer. If no output voltage is present when timer should be active, replace timer. |
| Unit will not start | Possible component failure | Coin mech: If using a mechanical coin mech, remove the wires leading to the timer from the coin mech and tap them together one time for each coin necessary to start the timer. If machine starts, replace the coin mech. |
| Unit will not dispense water (water | Is source water turned on and not frozen? | Turn on water to system and make sure temperature is above 32 deg. |
| machines only). | Is water solenoid getting power from timer? | If getting power from timer, replace solenoic |

| PART VO. | 8670-2WGA | |
|-------------|-----------|--|
| | 0010-2000 | |

| | | | BILL OF MATERIALS | | | | BILL OF MATERIALS |
|---|-------|--------------|---------------------------|-----|------|-------------|-------------------------------|
| | ITEM | PART NUMBER | DESCRIPTION | QTY | ITEM | PART NUMBER | DESCRIPTION |
| J | 35 | 8754 | DECAL, DANGER, TRI-LING | 1 | 1 | 10011-3W | DOOR WELDMENT, AIR MACHINE |
| | 36 | 8773-3 | AIR MACHINE COIN BOX | 1 | 2 | 1079-3 | GASKET, RUBBER SEAL (DOOR) |
| | 37 | 9862-2A | ASSEMBLY, GAST COMPRESSOR | 1 | 3 | 5600D2 | 5/16-18 x .75 CARR BOLT |
| | 0.000 | | WITH WATER SOLENOID | | 4 | 5601D4 | 1/4-20 x 3/4 HHCS-SS |
| | 38 | S8670 SERIES | WIRING DIAGRAM | X | 5 | 5601D8 | 1/4-20 x 3/8 HHCS-ZINC PLATED |
| | | SSAC | | | 6 | 5603D2 | 1/4 Std NC Nylock Nut |
| | | | 1 | | - | E000D04 | WARLED ELAT OU DAE ID 1040 |



| | OOOODE | OF TO TO X . TO OF THE BOLT | ~ |
|----|---------------|---------------------------------------|----|
| 4 | 5601D4 | 1/4-20 x 3/4 HHCS-SS | 2 |
| 5 | 5601D8 | 1/4-20 x 3/8 HHCS-ZINC PLATED | 5 |
| 6 | 5603D2 | 1/4 Std NC Nylock Nut | 2 |
| 7 | 5606D21 | WASHER, FLAT, 3/4 SAE, ID 13/16 | 2 |
| 8 | 5611D2 | NUT, 10-24 UNC KEPP- ZINC | 4 |
| 9 | 5684D2 | 1/2" DIA. HOSE CLAMP | 2 |
| 10 | 5900D3 | TERM, F SPADE, 1/4, 12-10 AWG, INS./E | 1 |
| 11 | 6408 | CARDBOARD INSERT | 2 |
| 12 | 6409 | CARDBOARD BOX | 1 |
| 13 | 8081 | CABLE TIE MOUNTS | 4 |
| 14 | 8084 | CABLE TIE, NYLON 5-3/4 | 11 |
| 15 | 8124B001 | COIN ACCEPTOR, IMONEX | 1 |
| 16 | 8155A | LOCK ASSY-W/MEDECO CAM LOCK | 1 |
| 17 | 8157 | NUT, #6-32 KEPP NUT STAINLESS | 4 |
| 18 | 8180 | WARNING, WIRE TEMP RATING | 1 |
| 19 | 8183 | DECAL, "DISCONNECT POWER" | 1 |
| 20 | 8431-1AKIT | DECAL KIT, AIR MACHINE | 1 |
| 21 | 8437D002 | ETL DECAL, AIR MACHINES | 1 |
| 22 | 8532-25 | AIR HOSE ASSY, 1/4" X 25' | 2 |
| 23 | 8533-8 | TIRE INFLATOR W/ GAUGE | 1 |
| 24 | 8549 | FLEX STRAIN RELIEF | 2 |
| 25 | 8596 | NUT, 5/16-18 HEX | 4 |
| 26 | 8597 | 5/16 WASHER | 4 |
| 27 | 8598 | 5/16 LOCK WASHER | 4 |
| 28 | 8647 | WATER SPOUT, 1/4" NPT | 1 |
| 29 | 8659-3W | WELDMENT, AIR MACHINE, JEA | 1 |
| 30 | 8659-75-W-PLT | LOCK BAR PLATED | 1 |
| 31 | 8670KIT-2W | HARDWARE PACK, PED AIR/WATER | 1 |
| | | MACHINE | |
| 32 | 8673 | TIMER ASSEMBLY-SSAC | 1 |
| 33 | 8673-9 | NEON LIGHT ASSEMBLY | 1 |
| 34 | 8732 | NAMEPLATE SERIAL TAG, UL | 1 |
| | 307 | 786 | |

| E | 7662 | REMOVE PARTS 5900D1, 5900D4 & 8176, ADD PARTS AS LISTED | 012816 | JF | |
|-----|----------|--|----------|----|-------|
| D | 7596 | ADD 8180 DECAL BELOW TERMINAL STRIP | 102315 | JF | TITLE |
| С | 7215 | REMOVED (2) 8659-13, (4) 5627D2 AND (4) 8157 | 10-29-13 | CK | AI |
| В | 6947 | REMOVED 8659-75 AND ADDED 8659-75-W-PLT | 5-10-12 | CK | UNSP |
| Α | 6792 | REMOVED ALL 8687 AND 8687-1 | 2-6-12 | CK | 1 PL |
| REV | NO. | DESCRIPTION | DATE | BY | 2 PL |
| 1/2 | THIS DOC | UMENT SHALL NOT BE REPRODUCED NOR SHALL THE INFORMATION THER | EIN BE | | 3 PL |

USED BY OR DISCLOSED TO OTHERS EXCEPT AS AUTHORIZED BY J.E. ADAMS INDUSTRIES

AIR/WATER MACHINE, PED MOUNT MODEL, GAST TWIN MATERIAL UNSPECIFIED CEDAR RAPIDS, IOWA TOLERANCES SCALE ±.030 ±.010 DRAWN JOHN F. 3 PL ±.003 REV. DATE 8670-2WGA E ANGLE ±1.0 5/3/2011

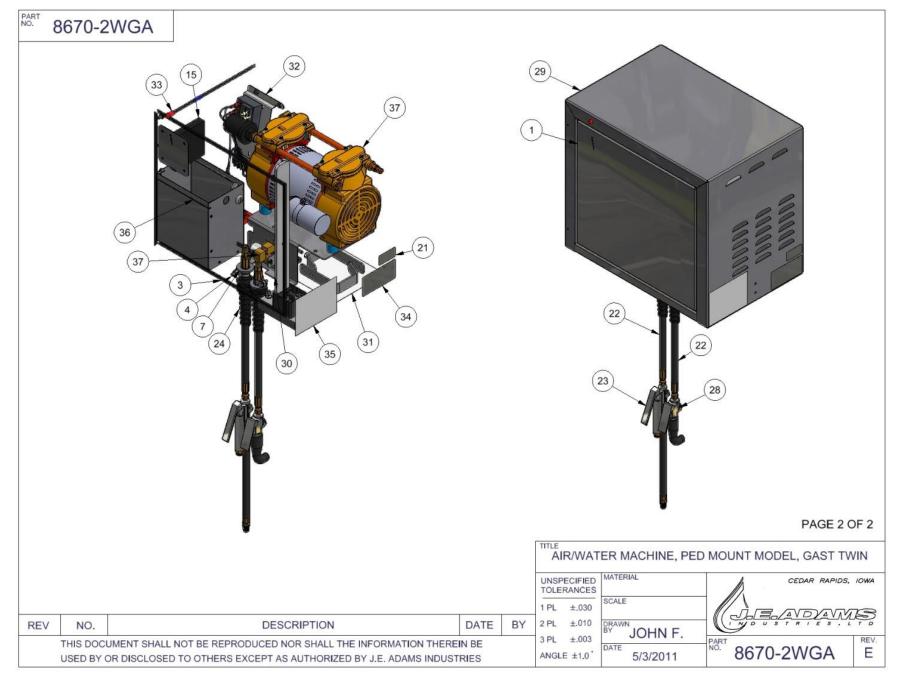
15

PAGE 1 OF 2

QTY

1

60"



| PART NO. | 8671-2GA |
|-------------|----------|
| | |

| HEM | PART NUMBER | DESCRIPTION | QIY |
|-----|----------------------|---------------------------|-----|
| 35 | 8754 | DECAL, DANGER, TRI-LING | 1 |
| 36 | 8773-3 | AIR MACHINE COIN BOX | 1 |
| 37 | 9500-56 | WIRING HARNESS, BILL VAL | 1 |
| 38 | 9862-1A | ASSEMBLY, GAST COMPRESSOR | 1 |
| 39 | S8671 SERIES SSAC | WIRING DIAGRAM | X |
| 45 | 8180 C | WARNING, WIRE TEMP RATING | 1 |

BILL OF MATERIALS



| 4 | 5601D4 | 1/4-20 x 3/4 HHCS-SS | 1 |
|----|---------------|-----------------------------------|---|
| 5 | 5601D8 | 1/4-20 x 3/8 HHCS-ZINC PLATED | 5 |
| 6 | 5603D2 | 1/4 Std NC Nylock Nut | 1 |
| 7 | 5606D21 | WASHER, FLAT, 3/4 SAE, ID 13/16 | 1 |
| 8 | 5611D2 | NUT, 10-24 UNC KEPP- ZINC | 4 |
| 9 | 5684D2 | 1/2" DIA. HOSE CLAMP | 1 |
| 10 | 5900D4 | CONNECTOR, FEMALE, RED INSL .250" | 1 |
| 11 | 6408 | CARDBOARD INSERT | 2 |
| 12 | 6409 | CARDBOARD BOX | 1 |
| 13 | 8081 | CABLE TIE MOUNTS | 3 |
| 14 | 8084 | CABLE TIE, NYLON 5-3/4 | 5 |
| 15 | 8124B001 | COIN ACCEPTOR, IMONEX | 1 |
| 16 | 8130-6 | MEI MARS, 110V BILL VALIDATOR | 1 |
| 17 | 8155A | LOCK ASSY-W/MEDECO CAM LOCK | 1 |
| 18 | 8157 | NUT, #6-32 KEPP NUT STAINLESS | 8 |
| 19 | 8176 | DECAL, LINE-NEUTRAL-GROUND | 1 |
| 20 | 8183 | DECAL, "DISCONNECT POWER" | 1 |
| 21 | 8430V-1AKIT | DECAL KIT, AIR MACHINE | 1 |
| 22 | 8437D002 | ETL DECAL, AIR MACHINES | 1 |
| 23 | 8532-25 | AIR HOSE ASSY, 1/4" X 25' | 1 |
| 24 | 8533-8 | TIRE INFLATOR W/ GAUGE | 1 |
| 25 | 8549 | FLEX STRAIN RELIEF | 1 |
| 26 | 8596 | NUT, 5/16-18 HEX | 4 |
| 27 | 8597 | 5/16 WASHER | 4 |
| 28 | 8598 | 5/16 LOCK WASHER | 4 |
| 29 | 8659-3W | WELDMENT, AIR MACHINE, JEA | 1 |
| 30 | 8659-75-W-PLT | LOCK BAR PLATED | 1 |
| 31 | 8670KIT-2 | HARDWARE PACK, PED AIR MACHINE | 1 |
| 32 | 8673 | TIMER ASSEMBLY-SSAC | 1 |
| 33 | 8673-9 | NEON LIGHT, RED, 18IN. BLK | 1 |
| 34 | 8732 | NAMEPLATE SERIAL TAG, UL | 1 |

BILL OF MATERIALS

5/16-18 x .75 CARR BOLT

MACHINE

DESCRIPTION

VALIDATOR DOOR WELDMENT, AIR

GASKET, RUBBER SEAL (DOOR)

QTY

60"

2

ITEM

PART NUMBER

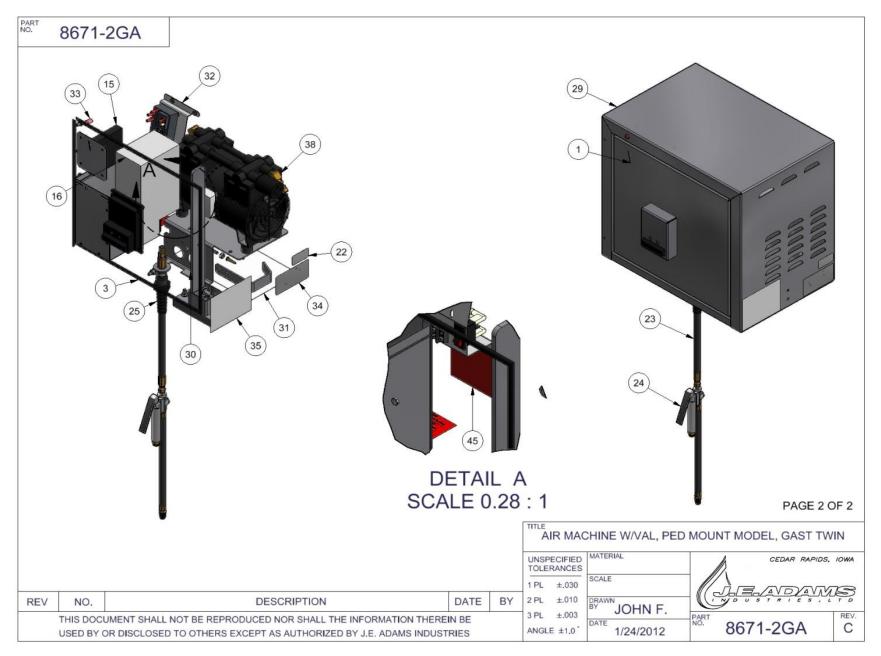
10011V-3W

1079-3

5600D2

PAGE 1 OF 2

| | | | | | TITLE | NOVERNOON AND ADDRESS OF A STREET SECTION | | 2400000 |
|-----|---|--|----------|----|--|---|--------------------------|---------|
| С | 7597 | ADD 8180 DECAL BELOW OR NEAR TERMINAL STRIP | 102615 | JF | AIR MACHINE W/VAL, PED MOUNT MODEL, GAST T | | | |
| В | 7215 | REMOVED (2) 8659-13, (4) 5627D2 AND (4) 8157 | 10-31-13 | СК | UNSPECIFIED TOLERANCES | MATERIAL | CEDAR RAPIDS. | IOWA |
| Α | 6947 | REMOVED 8659-75 AND ADDED 8659-75-W-PLT | 5-10-12 | СК | 1 PL ±.030 | SCALE | | |
| REV | NO. | DESCRIPTION | DATE | BY | 2 PL ±.010 3 PL ±.003 | JOHN F. | COLUMN TRIES | TO |
| | 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 | | | | | DATE 1/24/2012 | ^{PART} 8671-2GA | C REV. |



| PART NO. S | 2070 6110 | | | BILL OF MATERIALS | | | | | BILL OF MA | ATERIALS | |
|----------------------|--------------------|---------|----------------------|--|----------|-----|---|-------------------------|--------------|----------------------------------|------------|
| ٧٥. { | 3670-2VGA | ITEM | PART NUMBER | DESCRIPTION | | QTY | ITEM | PART NUMBER | | DESCRIPTION | QTY |
| | THE REAL PROPERTY. | 35 | 8754 | DECAL, DANGER, TRI-LING | | 1 | 1 | 10011-3WV | | DMENT, VR, AIR MACHINE | 1 |
| | | 36 | 9862-1A | ASSEMBLY, GAST COMPRESSO | R | 1 | 2 | 1009 | COIN FUNN | NEL, VR VENDOR | 1 |
| | | 37 | S8670 SERIES | WIRING DIAGRAM | | X | 3 | 1079-3 | | UBBER SEAL (DOOR) | 60" |
| | | | SSAC | | | | 4 | 5600D2 | | 5 CARR BOLT | 2 |
| | | 46 | 8180 E | WARNING, WIRE TEMP RATING | | 1 | 5 | 5601D4 | 1/4-20 x 3/4 | | 1 |
| | | | | | | | 6 | 5601D8 | | HHCS-ZINC PLATED | 5 |
| | | | | | | | 7 | 5603D2 | 1/4 Std NC | | 1 |
| | | | | | | | 8 | 5606D21 | - | FLAT, 3/4 SAE, ID 13/16 | 1 |
| | | | | | | | 9 | 5611D2 | - | UNC KEPP- ZINC | 4 |
| | | | | | | | 10 | 5684D2 | | OSE CLAMP | 1 |
| | | | | | | | 11 | 5900D4 | | DR, FEMALE, RED INSL .250" | 1 |
| | | | | | | | 12 | 6408 | CARDBOAR | | 2 |
| | | | | | | | 13 | 6409 | CARDBOAR | | 1 |
| | | . 6 | | | | | 14 | 8081 | CABLE TIE | | 3 |
| | | | | | | | 15 | 8084 | - | NYLON 5-3/4 | 5 |
| | | | | | | | 16 | 8124B001 | | EPTOR, IMONEX | 1 |
| | | | | | | | | 8155A | - | Y-W/MEDECO CAM LOCK | 1 |
| | | 1 | Y | | | | 18 | 8157 | | KEPP NUT STAINLESS | 4 |
| | | | | | | | 19 | 8176 | | IE-NEUTRAL-GROUND | 1 |
| | | | 6 | | | | 20 | 8183 | - | SCONNECT POWER" | 1 |
| | | | | 92 | | | 21 | 8437D002 | | , AIR MACHINES | 1 |
| | | | | | | | 23 | 8532-25 8533-8 | | ASSY, 1/4" X 25' TOR W/ GAUGE | 1 |
| | | | | | | | 24 | 8549 | FLEX STRA | | 1 |
| | | | | | | | 25 | 8596 | NUT, 5/16-1 | | 4 |
| | | | | | | | 26 | 8597 | 5/16 WASH | | 4 |
| | | | | | | | 27 | 8598 | 5/16 LOCK | | 4 |
| | | | | | | | 28 | 8659-3WV | | T, VR AIR MACHINE, JEA | 1 |
| | | AF I | | | | | 29 | 8659-75-W-PLT | LOCK BAR | | 1 |
| | | / | | | | | 30 | 8670KIT | | E PACK, COIN MACH AIR | 1 |
| | | - | | | | | 31 | 8670V-KIT | | ULT READY AIR MACHINE | 1 |
| | | | | | | | 32 | 8673 | | EMBLY-SSAC | 1 |
| | | | | | | ĺ | 33 | 8673-9 | | IT, RED, 18IN. BLK | 1 |
| | | | | | | İ | 34 | 8732 | | E SERIAL TAG, UL | 1 |
| | | • | | | | | | | | | |
| E | 7596 | ADD 818 | 80 DECAL BELOW | TERMINAL STRIP | 102315 | JF | | | | PAGE 1 | OF 2 |
| D | 7215 | REMOVE | D (2) 8659-13, (4) 5 | 627D2 AND (4) 8157 | 10-29-13 | CK | TITLE | 440111115 55 | D 1401 11 | TVD MODEL CAST | T) A / ! ! |
| С | 7041 | REMOVE | D 8430-1AKIT AND | ADDED 8670V-KIT | 11-7-12 | CK | AIR | | D MOUN | T VR MODEL, GAST | IVVI |
| В | 6947 | REMOVE | D 8659-75 AND AD | DED 8659-75-W-PLT | 5-9-12 | CK | | ECIFIED MATERIAL RANCES | 2 | CEDAR RAPIDS | , IOWA |
| Α | 6798 | RE | EMOVED ALL 8687 | AND 8687-1 | 2-7-12 | СК | 1 PL | SCALE | | | |
| REV | NO. | | DESCRI | PTION | DATE | BY | 110000000000000000000000000000000000000 | ±.010 DRAWN JOH | IN F. | INDUSTRIES. | |
| | | | | SHALL THE INFORMATION THEREINTHORIZED BY J.E. ADAMS INDUST | | | 3 PL ANGLE | DATE | 2011 | 8670-2VGA | REV. |

