



Models- 28000 - 28003

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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

Unit specifications: (28000-28002 - 3 vac motor models)

Voltage: 120VAC, 60Hz
Amperage: (1) 30 amp service is required for this unit
Weight: 368 lbs with pallet attached

Vac specifications:

Motors: (3) 120VAC Vacuum motor
Fuses: (3) 10 amp inline fuses

Shampoo/ fragrance specifications:

Compressor: (1) Thomas 120VAC, 1/12th hp compressor
Peristaltic pump: (5*) Thomas peristaltic pumps, 12VDC (*qty varies by model number)

Air:

Compressor: (1) Gast 120VAC, 3/4 hp compressor

Unit specifications: (28003 – 2 vac motor models)

Voltage: 120VAC, 60Hz
Amperage: (1) 20 amp service is required for this unit
Weight: 333 lbs with pallet attached

Vac specifications:

Motors: (2) 120VAC Vacuum motor
Fuses: (2) 10 amp inline fuses

Shampoo/ fragrance specifications:

Compressor: (1) Thomas 120v, 1/12th hp compressor
Peristaltic pump: (5*) Thomas peristaltic pumps, 12VDC (*qty varies by model number)

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:

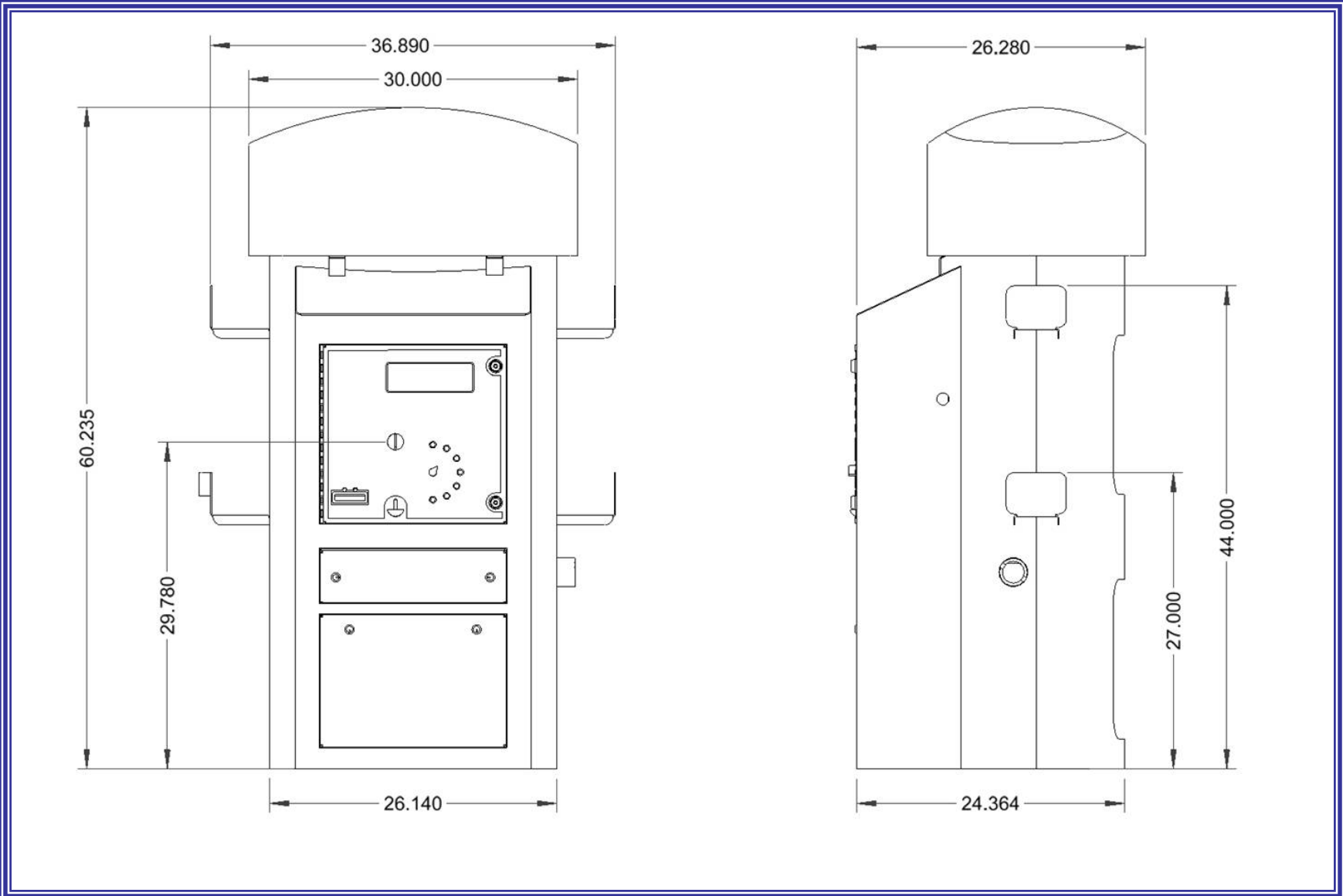


- Do not use on wet surfaces.
- Use only as described in manual. Use only manufactures recommended attachments.
- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Do not put any object into openings. Do not use with any opening blocked; keep free of dust, 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.

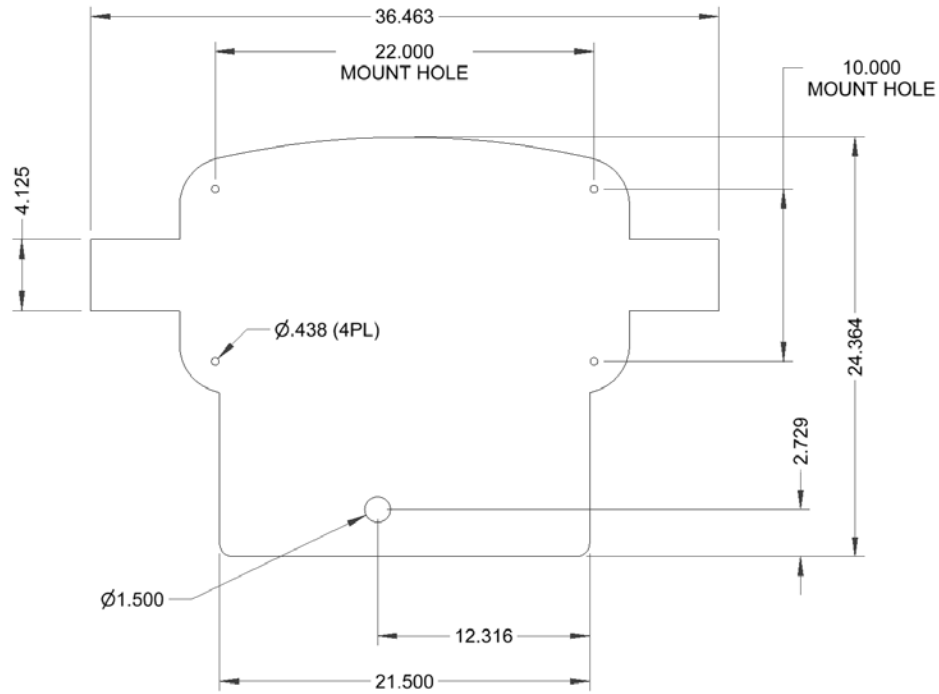
SAVE THESE INSTRUCTIONS

- **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 appropriate 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.

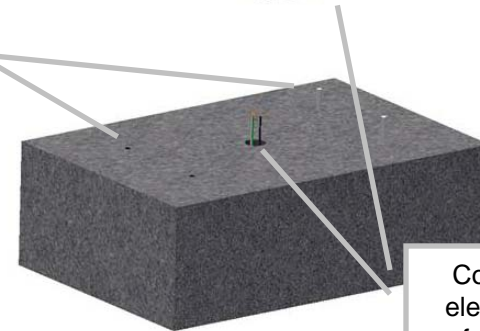
Product Dimensions



PLAN VIEW

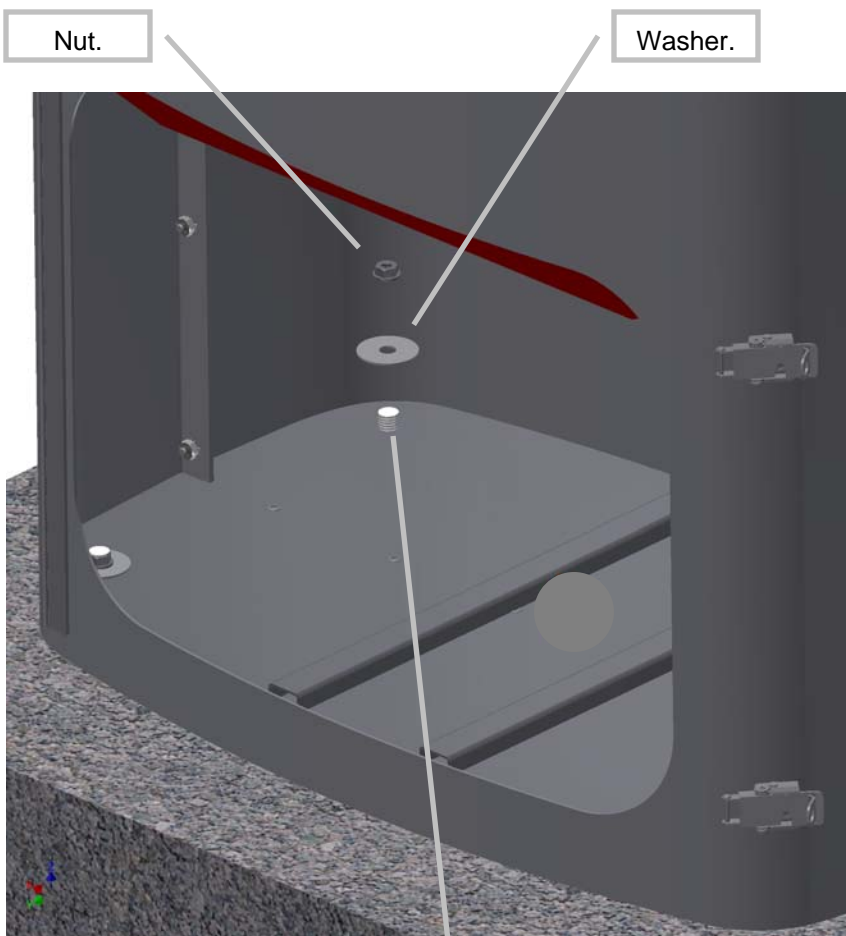


Drill holes into concrete surface and install 3/8" studs (4).



Connect electric to factory wires under vacuum can.

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



To attach hose,
thread into metal hole
counter clockwise.



Using two people, set vacuum onto mounting studs and align bolts through holes in bottom. Use a washer and nut to tighten vacuum into place – DO NOT over tighten!! NOTE: JE Adams recommends using a sealer such as silicon underneath the washer to eliminate any loss of suction through the mounting holes.

Preparing the unit for use:

- Once the unit is installed and power is applied, open the top door of the unit and turn breaker to the on position.
- Fill scent bottles in lower compartment and insert the appropriate line into each bottle and screw lid on tightly (not applicable to all models).
- Insert the appropriate line into the shampoo and spot formula bottles and screw caps on tightly (not applicable to all models).
- Activate the unit and individually select shampoo, spot, and fragrance functions to purge the lines of air and prime with fluid.
- Depending on model purchased, confirm all functions are working properly and all fluids are primed and ready for customer use.
- Attach any fluid / fragrance decals and price decals at this time.
- Unit should now be ready for use.

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.

Note: Display may be programmed by hand or with hand held remote (sold separately). It is recommended that a remote be purchased to make programming much easier.

<u>28000</u> A = VAC B = TURBO C = SHAMP/SPOT D = AIR E = FRAGRANCE	<u>28001</u> A = VAC B = TURBO C = SHAMP/SPOT D = FRAGRANCE	<u>28002</u> A = VAC B = TURBO C = SHAMP/SPOT	<u>28003</u> A = VAC B = SHAMP/SPOT C = FRAGRANCE
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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: 30**) or may be different time. (**C**) Will be the time per coin for **SHAMPOO**. Set desired time per coin by using the **VOL -** to decrease or the **VOL +** to increase. Once time is entered move to next step.
- 8) Press the **CH +** button. Display will now read **D**. **D** is not used.
- 9) Press the **CH +** button. Display will now read **E**. **E** is not used.
- 10) Press the **CH +** button. Display will now read **F**. **F** is not used.
- 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** and (C) **SHAMPOO**.
- 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 multiples 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 shampoo/spot or 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(s).

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, shampoo and spot formula bottles to assure that they are full.
- Check all shampoo & fragrance lines and shampoo brush assembly & fragrance gun for any signs of wear.
- Clean canister with a stainless steel cleaner as needed. Decals can be cleaned with mild soap and water.
- Check vac 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.**



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 or a power spike.	Reprogram timer, if problem comes back 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 breaker.	Inadequate wire size ran to machine.	Call electrician and install proper wire size for 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 blowing.	Inadequate wire size ran 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.
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 mounting bolt holes are not thoroughly sealed?	Open lower chamber and seal around nut/washers if needed.
	One of the vac motors is not working?	Check line motor fuse and replace. Replace motor if necessary.
Fluid will not draw through lines.	Is the pump coming on and turning?	Visually inspect pump, replace if necessary.
	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 lines.

PART NO. 28000

NOTE:
1) ATTACH DOME USING (6) OF PART 8921-7W, NOT SHOWN ON PRINT.




BILL OF MATERIALS				BILL OF MATERIALS			
ITEM	PART NUMB	DESCRIPTION	QTY	ITEM	PART NUMB	DESCRIPTION	QTY
60	8915B	DOME, OVAL, BLUE	1	1	1079-3	DOOR GASKET	179"
61	8920-4	OVAL DIRT BIN	1	2	1085	FLEX TRIM DOOR SEAL	12"
62	8925	FLOURESCENT BULB	4	3	11000-15	SHAMPOO BRUSH ASSEMBLY	1
63	8939	VAC PALLET	1	4	11000-22	UNION FITTING 1/8"	1
64	8953	MEDECO CAM LOCK W/2 KEYS	4	5	11000-23	UNION FITTING 3/16"	1
65	8958-1	MEDECO SCREW LOCK	1	6	11000SPOT	SPOT REMOVER FORMULA	1
66	9500WIN	WINTER SHAMPOO FORMULA	1	7	2036	BLACK HOSE 2 x 15	1
68	B5996-010	10 AMP FUSE	3	8	2058	CLAW AND CUFF ASSEMBLY	1
69	B5997-001	FUSE BASE	3	9	28000-153	WAGO TERMINAL JUMPER	9
70	8859	NEW CAR SCENT	1	10	28000-158	DECAL SET- CANISTER	1
71	8865	VANILLA SCENT	1	11	28000-1W	COMPLETE MULTIUNIT WELDMNT	1
72	8857	WILD CHERRY SCENT	1	12	28000-22W	BOTTOM DOOR WELDMNT	1
73	1009	COIN FUNNEL	1	13	28000-23W	COIN BOX ENTRY DOOR WELDMNT	1
74	8549-1	FLEX RELIEF	1	14	28000-24W	COIN BOX WELDMNT	1
76	5636D1	#10-24 PHIL. PAN HEAD SCREW	8	15	28000-36	MOTOR MOUNT	6
78	28000-50A-1	PUMP ASSEMBLY	1	16	28000-37A	COMPRESSOR ASSEMBLY	1
79	5639D9	ISOLATION MNT, 30 DUR NEOPRENE, 1/4-20	4	17	28000-39W	LIGHT BRACKET WELDMNT	4
82	5603D2	1/4 Std NC Nylock Nut	4	18	28000-40	PLASTIC CONTAINER	3
83	9859	3/4 HP TWIN HEAD THOMAS COMPRESSOR	1	20	28000-51	FLEX TUBING	29"
84	5800D6	90 DEG. NPT STREET ELBOW	1	21	28000-53	NONMETALLIC TUBE FITTING	3
85	8533-8	TIRE INFLATOR W/GUAGE	1	22	28000-53B	SWIVEL CONNECTOR	1
87	8921-7W	DOME CLAMP	4	24	28000-85A	TOP TEMINAL STRIP ASSEMBLY	1
86	5606D22	WASHER 3/8 FENDER	8	25	28000-90A	RELAY CONTROL ASSEMBLY	1
88	5622D11	SCREW, 3/8-16 X 3 1/2	4	26	28000-91	COVER-RELAY CONTROL	1
89	B5722-002	NUT, HEX LOCKNUT 3/8-16	4	27	28000-92A	MAIN CONTROL ASSEMBLY	1
90	28000-158	CONTROL PANEL TOP DOOR DECAL	1	28	28000-93	COVER- MAIN CONTROL	1
				29	28000-96A	AIR SOLENOID ASSEMBLY	2
				30	28000-99A	MAIN DOOR ASSEMBLY	1
				32	5601D1	1/4-20 x 1/2 HHCS-ZP	12
				37	5640D1	1/4-20 x 1/2 PHIL PAN HEAD SCREW	4
				40	5901D4	ORANGE WIRE NUT	11
				41	5917D1	LAMP BASE	4
				42	5943C3220	16GA BLACK WIRE	172"
				43	5943C3225	16GA GREEN WIRE	73"
				44	5943E3220	12GA BLACK WIRE	43"
				45	5943E3229	12GA WHITE WIRE	24"
				46	7122-RV1	NORGREN VALVE	1
				47	8000-24	5 PIN MALE CONNECTOR	3
				48	8055	MOTOR, AMETEK 115V	3
				49	8057	MOTOR GASKET	3
				50	8076	FILTER BAG	4
				51	8084	WIRE TIE	30
				52	8108	#10 x 1/2 TAP SCREW	6
				53	8532-25	AIR HOSE 25FT	1
				54	8533-10	WHIP ASSEMBLY	1
				56	8597	WASHER	4
				59	8898-1	SCENT HOSE ASSEMBLY	1

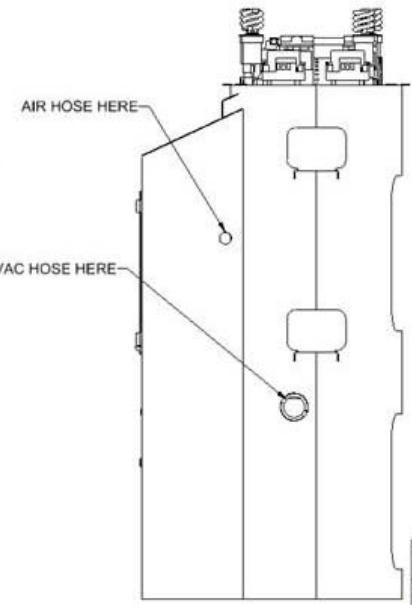
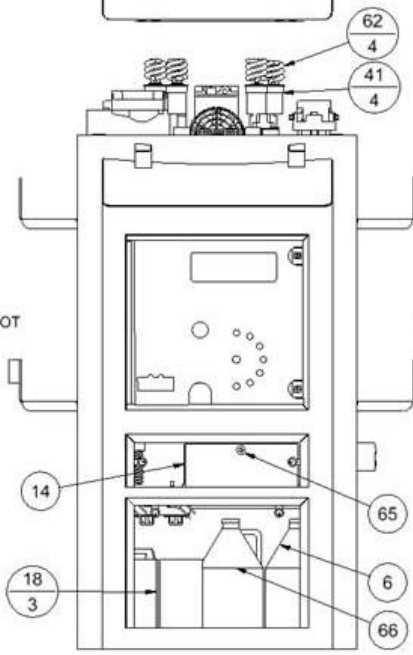
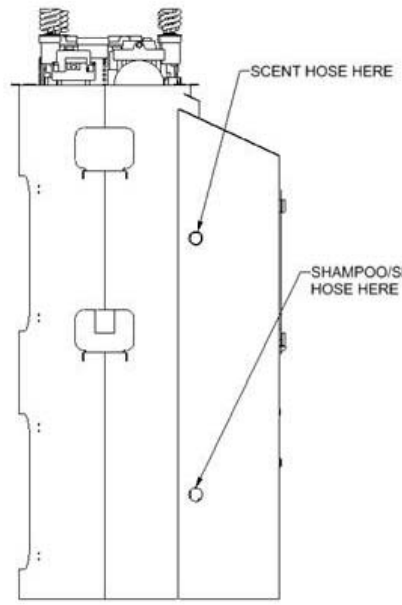
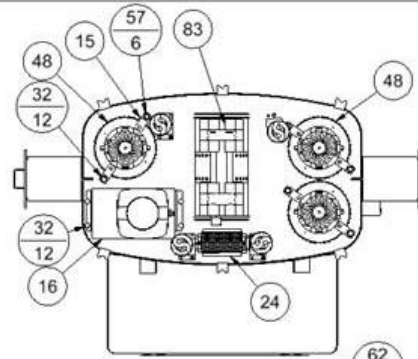
REV	NO.	DESCRIPTION	DATE	BY
J	5312	UPDATED BILL OF MATERIAL	10-09	CK
I	5225	REMOVED 9857, (4) 8036 AND 958-1A; ADD 9859 AND 5800D6	6-09	CK
H	4749	REMOVED 8915 AND ADDED 8915B	8-08	CK
G	4029	REMOVED (4) 5632D5, (4) 5603D3 AND (4) 5639D3 ADDED (4) 5639D9, (4) 5603D2, (4) 8597 AND (4) 8036	12-07	CK
F	3815	RECONSTRAINED COMPONNETS IN PART MODEL, TOP OF UNIT	6-07	CK
A	3644	REMOVED 28000-50A AND ADDED 28000-50A-1	4-07	CK
D	3109	REMOVED (16) 5647D8 RIVETS; ADDED (8) 5636D1 #10-24 SCREWS	8-06	CK
C	2955	ADDED PURGE SOLENOID TO AIR LINE	6/06	CAI
B	2829	REMOVED 8898 AND ADDED 8898-1 AND 8549-1	5-06	CK
A	2483	ADDED 1009 TO BILL OF MATERIAL	10-05	CK

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SHEET 1 OF 6

TITLE				MULTI UNIT ASSEMBLY	
UNSPECIFIED TOLERANCES	MATERIAL	SCALE			
1 PL ±.000		INCH	CLEAR NUM/NO. NOW		
2 PL ±.010			DRAWN BY ChadK		
3 PL ±.003			DATE 3/29/2004		
ANGLE ±1.0			PART NO. 28000		
			REV. J		

PART NO. 28000

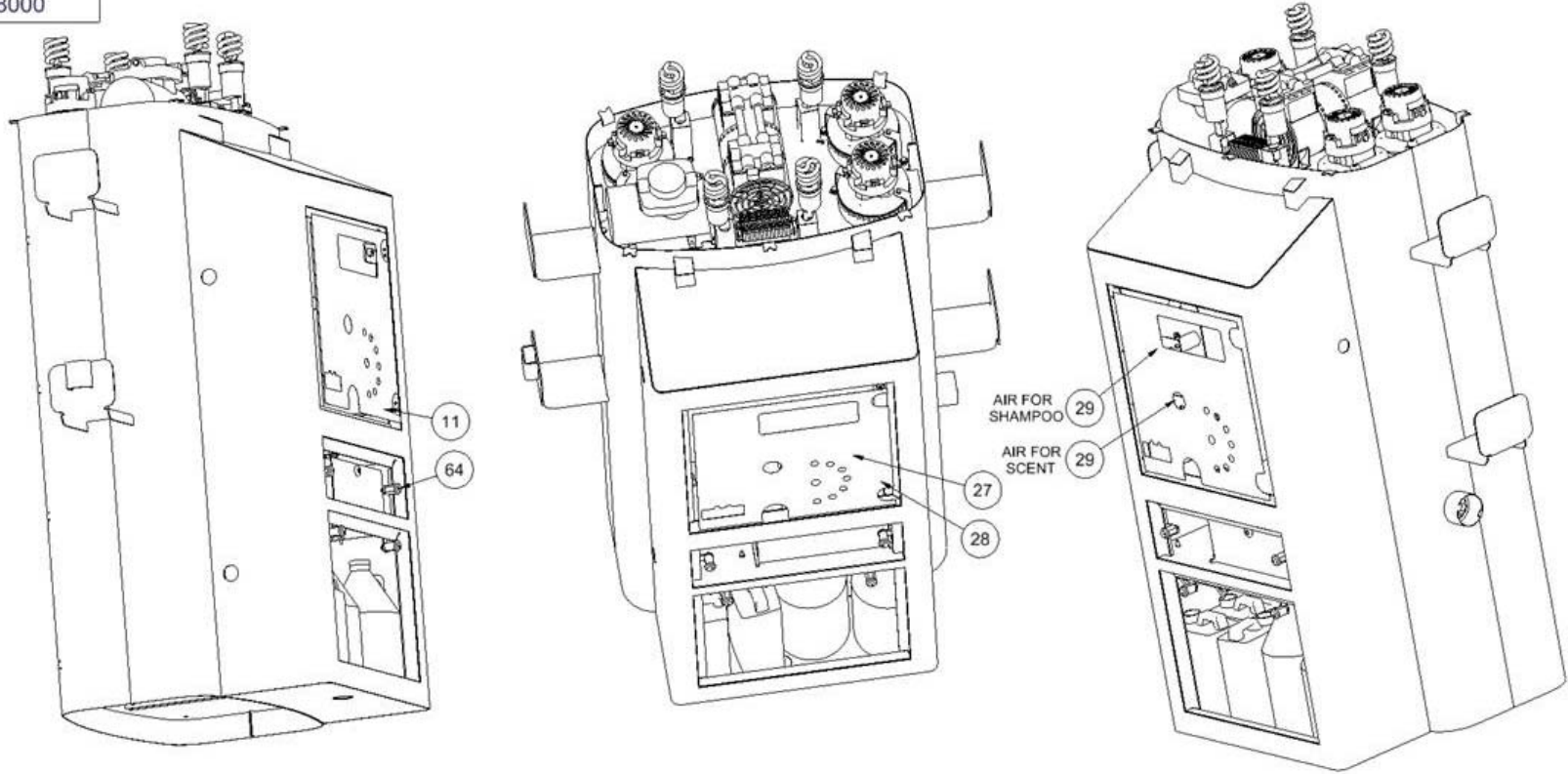


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SHEET 2 OF 6

TITLE		MULTI UNIT ASSEMBLY	
UNSPECIFIED TOLERANCES	MATERIAL	CLEAR FINISH, KONA	
1 PL ±.030	SCALE	INCH	
2 PL ±.010	DRAWN BY	ChadK	
3 PL ±.003	DATE	3/29/2004	
ANGLE ± 1.0	PART NO.	28000	
	REV.	J	

PART NO. 28000

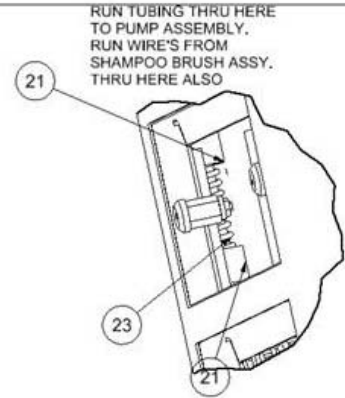
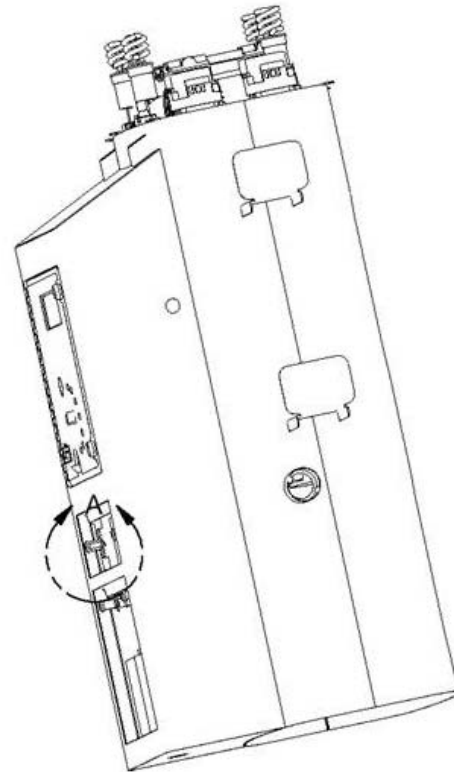
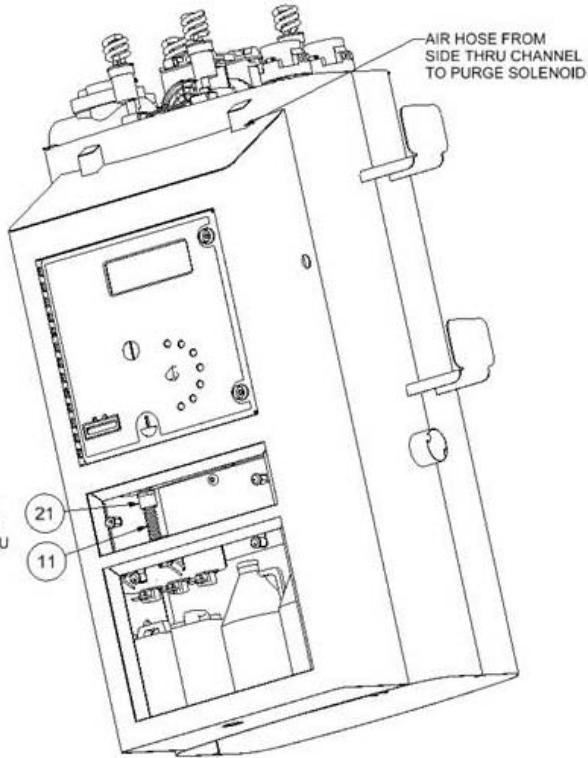


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SHEET 3 OF 6

TITLE		MULTI UNIT ASSEMBLY	
UNSPECIFIED TOLERANCES	MATERIAL	CLEAN HANDS, NOW	
1 PL ±.030	SCALE	INCH	
2 PL ±.010	DRAWN BY	ChadK	
3 PL ±.003	DATE	3/29/2004	
ANGLE ±1.0	PART NO.	28000	
	REV.	J	


PART NO. 28000



DETAIL A
SCALE 0.35 : 1

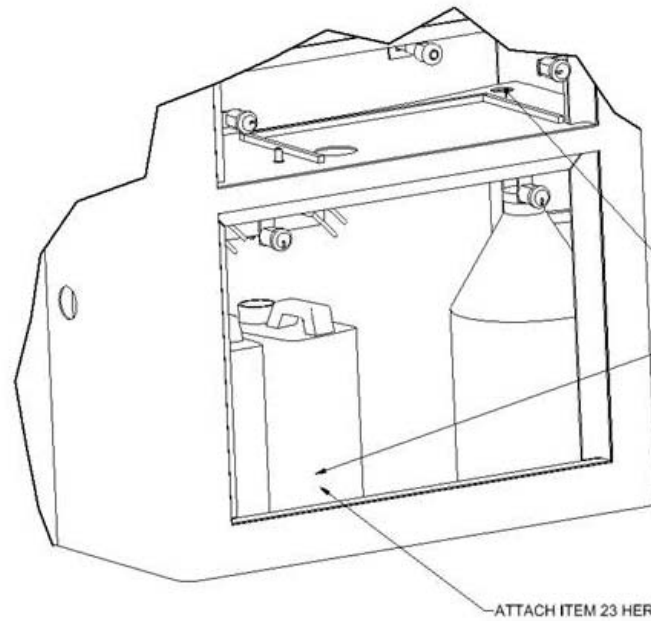
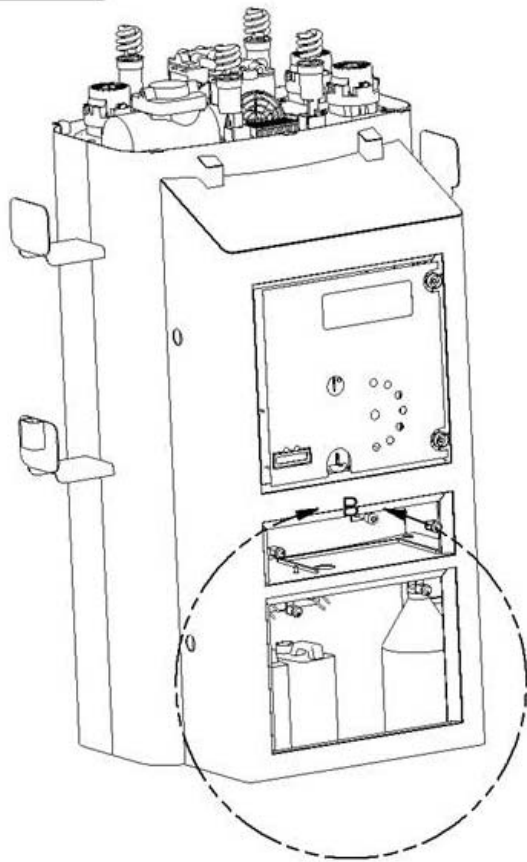
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SHEET 4 OF 6

TITLE		MULTI UNIT ASSEMBLY	
UNSPECIFIED TOLERANCES	MATERIAL	CLEAN HANDIC, KONA	
1 PL ±.030	SCALE	INCH	
2 PL ±.010	DRAWN BY	ChadK	
3 PL ±.003	DATE	3/29/2004	
ANGLE ±1.0	PART NO.	28000	

PART NO.

28000



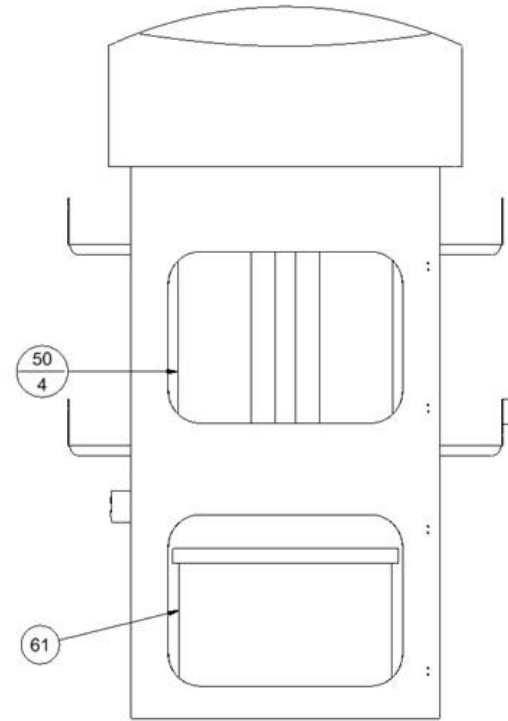
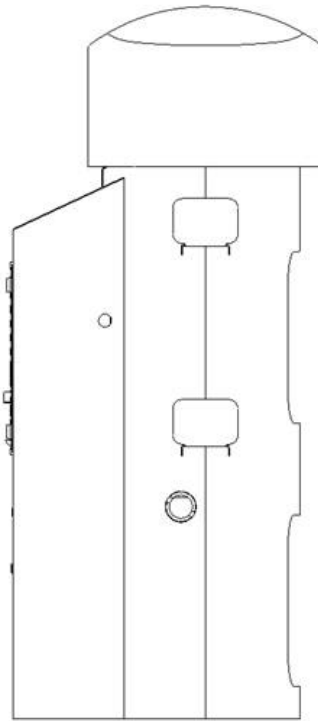
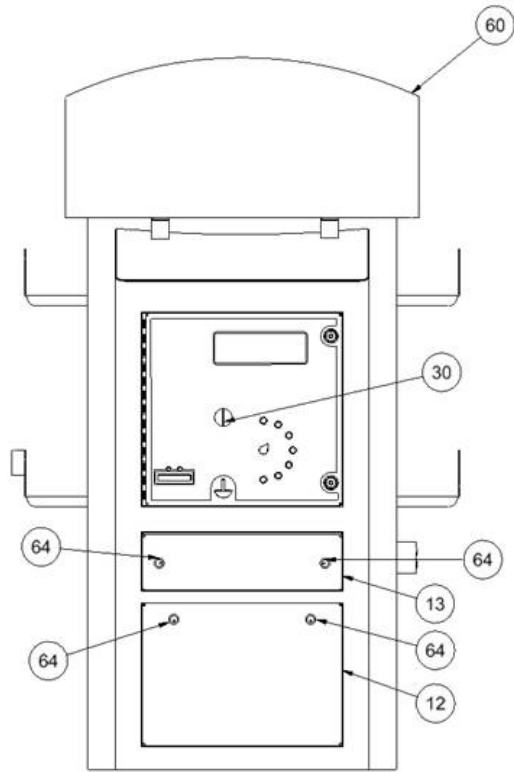
DETAIL B
SCALE 0.24 : 1

REV	NO.	DESCRIPTION	DATE	BY
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SHEET 5 OF 6

TITLE		MULTI UNIT ASSEMBLY	
UNSPECIFIED TOLERANCES	MATERIAL	CLEAN HANDS, KONA	
1 PL ±.000	SCALE	INCH	
2 PL ±.010	DRAWN BY	ChadK	
3 PL ±.003	DATE	3/29/2004	
ANGLE ± 1.0	PART NO.	28000	
	REV.	J	

PART NO. 28000



REV	NO.	DESCRIPTION	DATE	BY
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SHEET 6 OF 6

TITLE		MULTI UNIT ASSEMBLY	
UNSPECIFIED TOLERANCES	MATERIAL	CEDAR RAPIDS, IOWA	
1 PL ±.030	SCALE	INCH	
2 PL ±.010	DRAWN BY	ChadK	
3 PL ±.003	DATE	3/29/2004	
ANGLE ± 1.0°	PART NO.	28000	REV. J

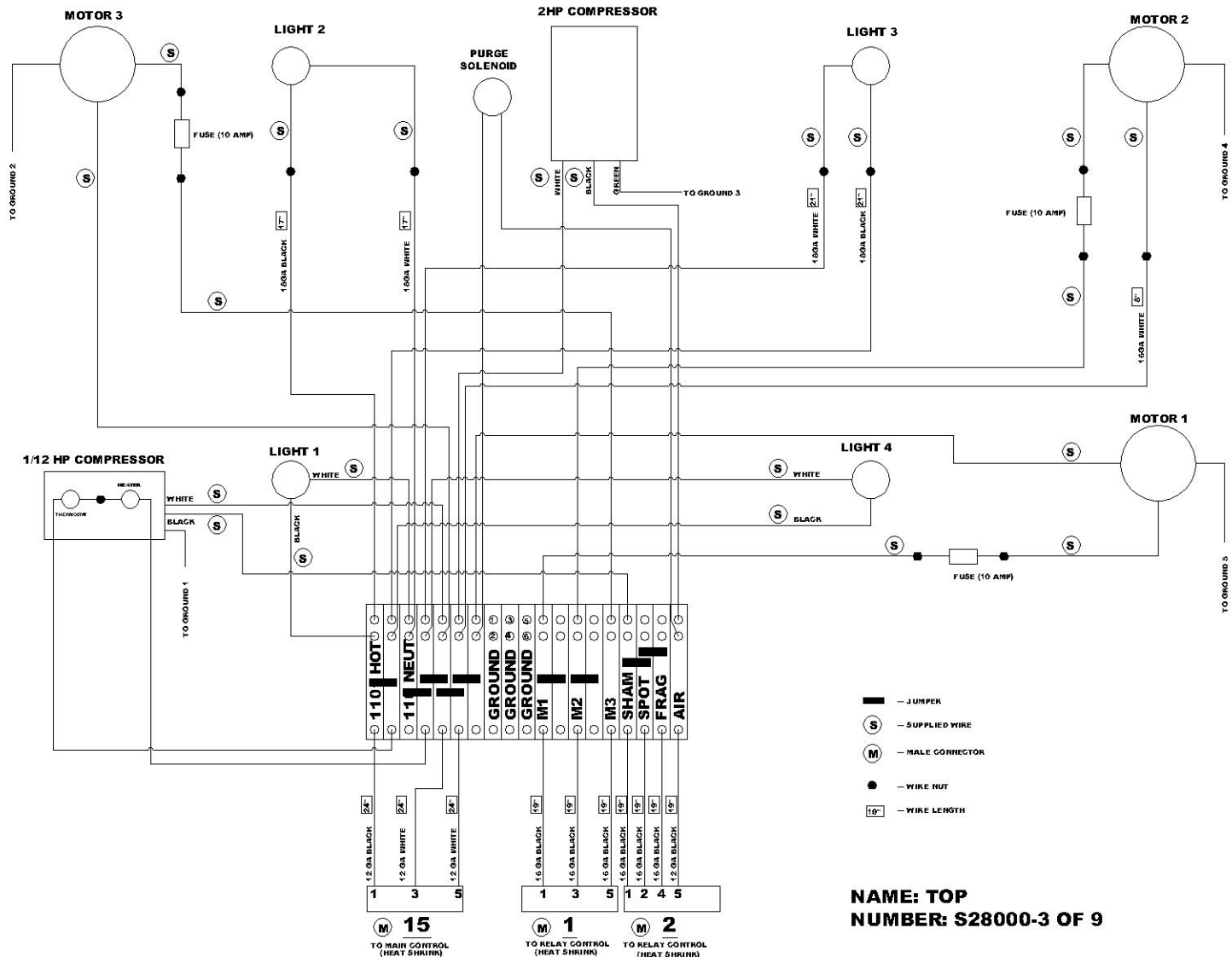


PART NO. **S28000-1**

S28000-1 OF 9 TABLE OF CONTENTS
S28000-2 OF 9 DOOR
S28000-3 OF 9 TOP
S28000-4 OF 9 RELAY CONTROL
S28000-5 OF 9 PUMP CONTROL ASSEMBLY
S28000-6 OF 9 MAIN CONTROL
S28000-7 OF 9 SHAMPOO/ SPOT HOSE
S28000-8 OF 9 SCENT GUN
S28000-9 OF 9 SOLENOIDS

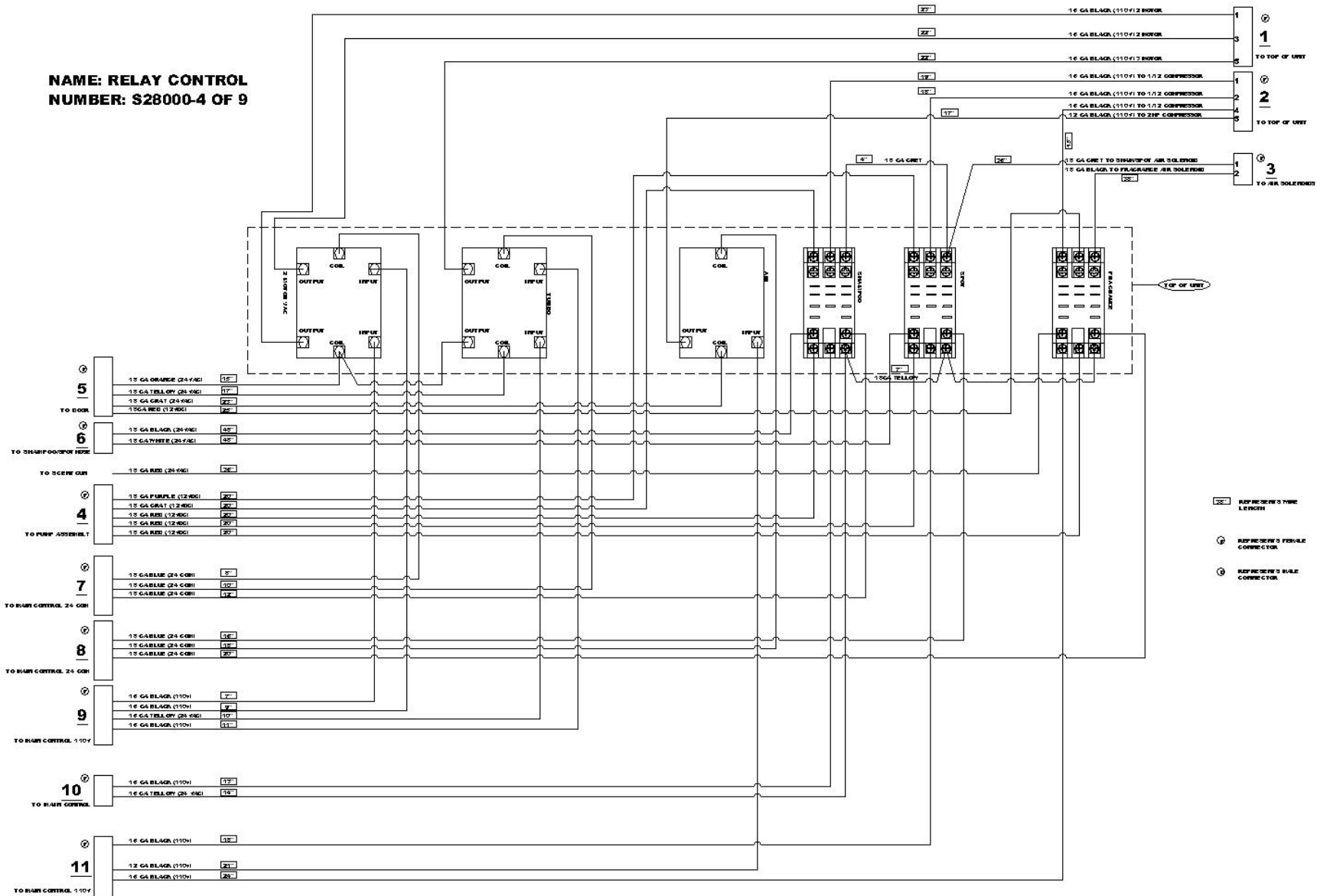
THIS DOCUMENT SHALL NOT BE REPRODUCED NOR SHALL THE INFORMATION THEREIN BE USED BY OR DISCLOSED TO OTHERS EXCEPT AS AUTHORIZED BY J.E. ADAMS INDUSTRIES	PART NO. S28000-1	 CEDAR RAPIDS, IOWA J.E. ADAMS INDUSTRIES	UNSPECIFIED TOLERANCES	TITLE WIRE DOCUMENT- MULTUNIT			
			1 PL. ±.030 2 PL. ±.010 3 PL. ±.003 ANGLE ±1.0°	DESIGNED BY CK	DATE 3-04	SCALE -	REL. FOR PROD. -

REV	NO.	DESCRIPTION	DATE	BY



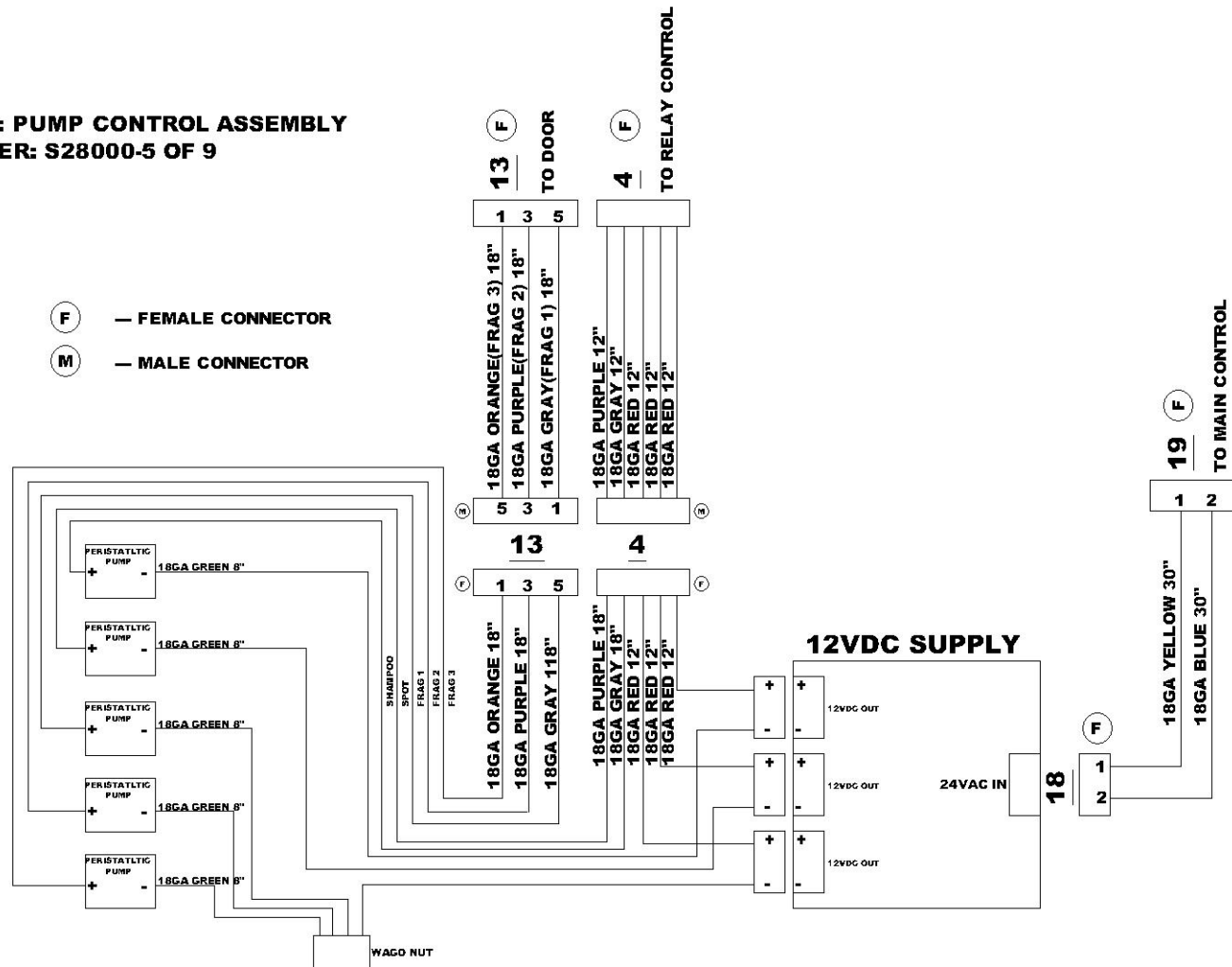
- JUMPER
- (S) — SUPPLIED WIRE
- (M) — MALE CONNECTOR
- — WIRE NUT
- 10" — WIRE LENGTH

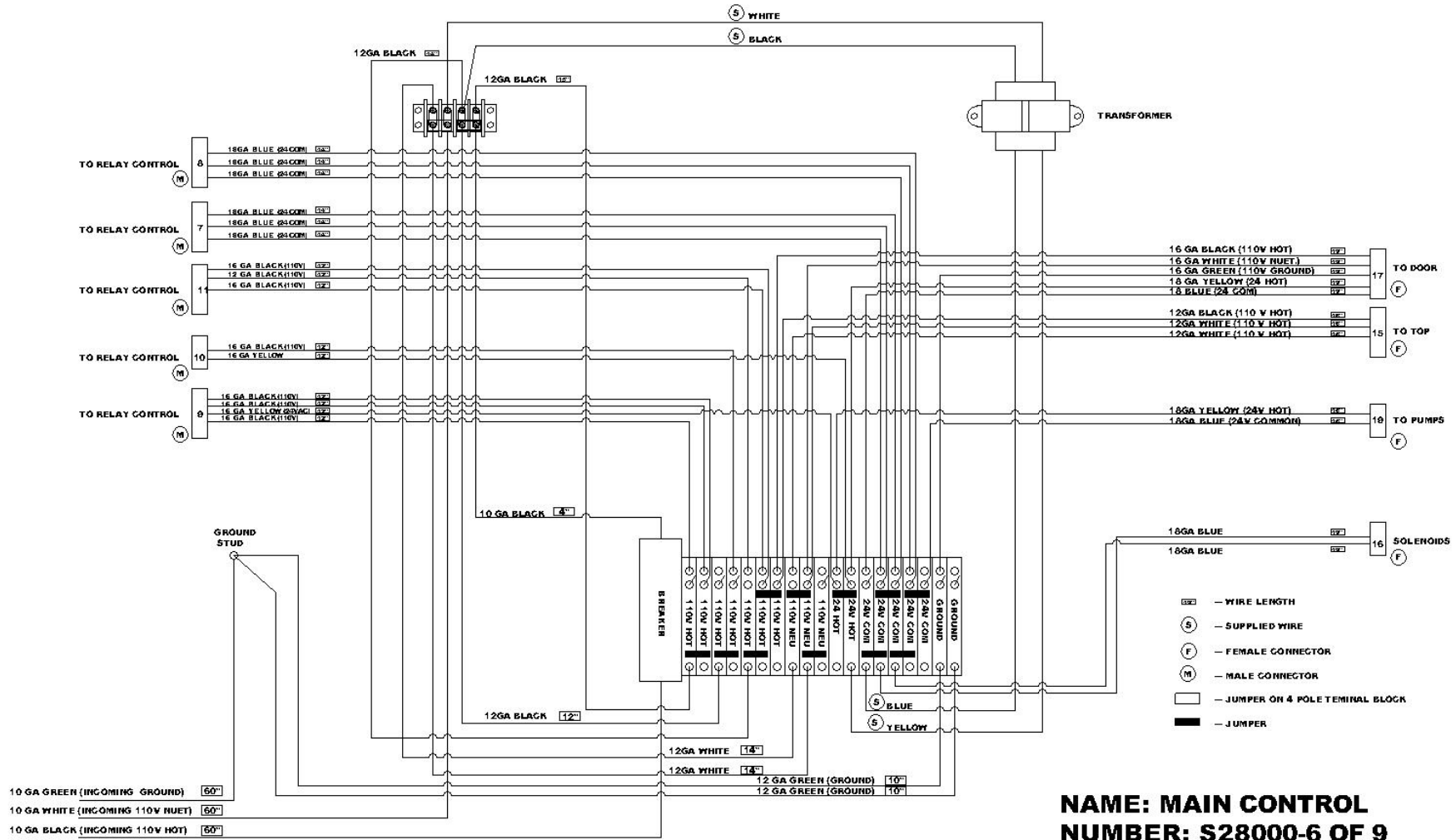
**NAME: RELAY CONTROL
NUMBER: S28000-4 OF 9**



**NAME: PUMP CONTROL ASSEMBLY
NUMBER: S28000-5 OF 9**

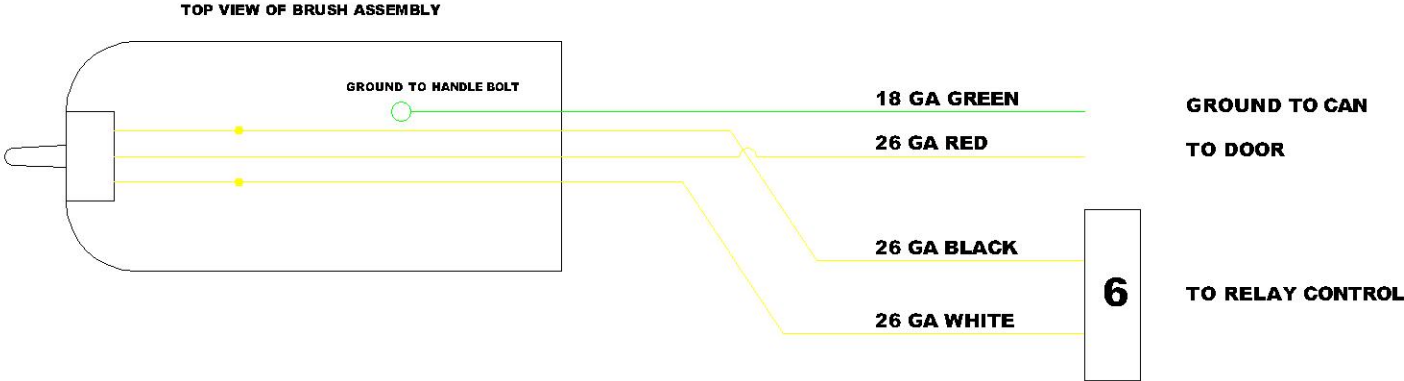
- (F)** — FEMALE CONNECTOR
- (M)** — MALE CONNECTOR

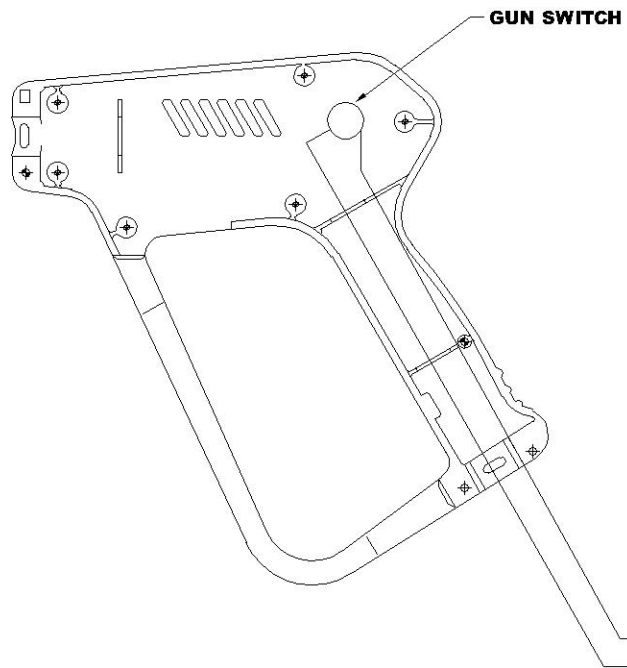




NAME: SHAMPOO/ SPOT HOSE

NUMBER: S28000-7 OF 9





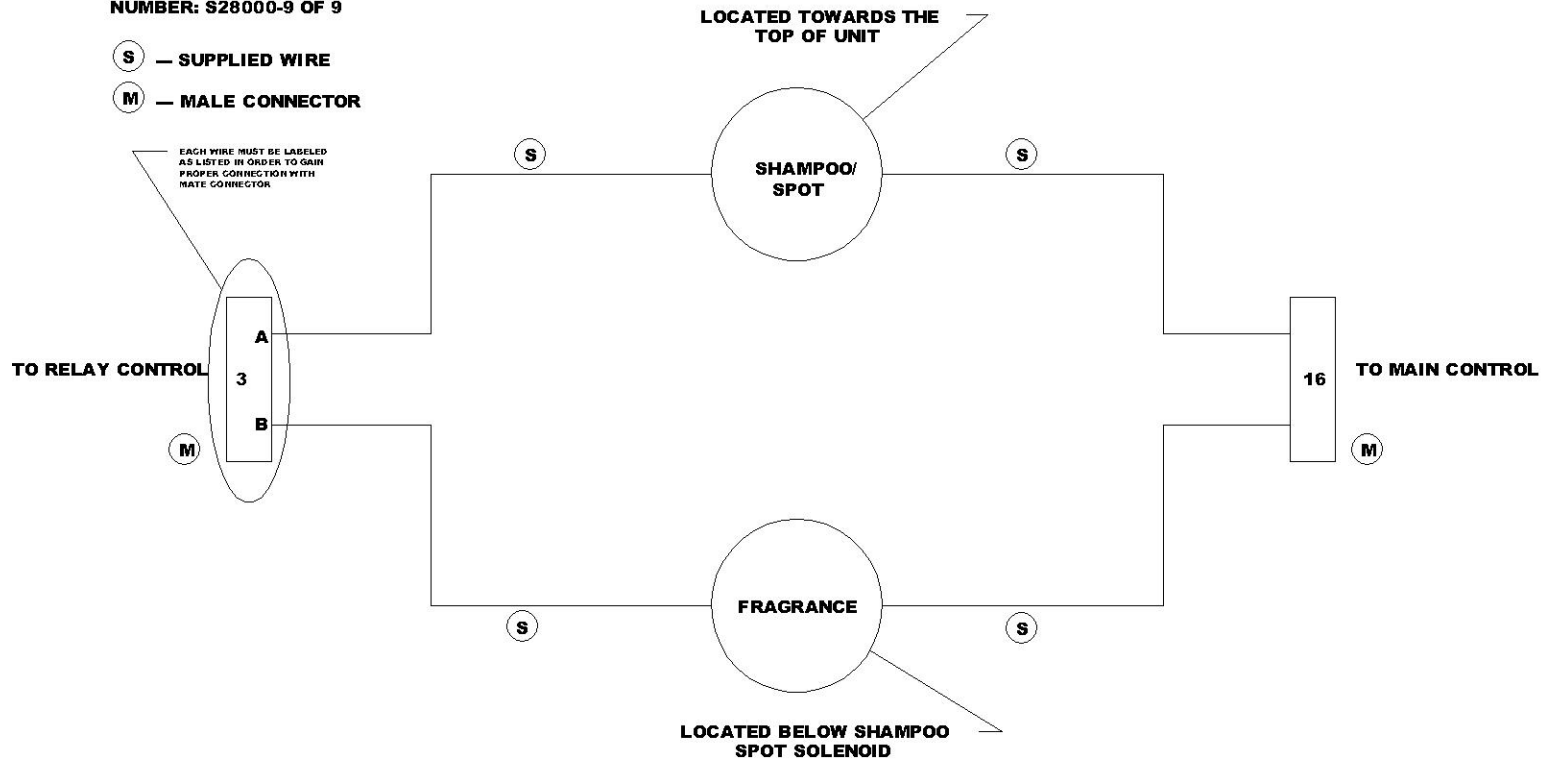
**NAME: SCENT GUN
NUMBER: S28000-8 OF 9**

26 GA RED TO DOOR
26 GA RED TO RELAY CONTROL

NAME: SOLENOIDS
NUMBER: S28000-9 OF 9

- (S)** — SUPPLIED WIRE
- (M)** — MALE CONNECTOR

EACH WIRE MUST BE LABELED
AS LISTED IN ORDER TO GAIN
PROPER CONNECTION WITH
MATE CONNECTOR



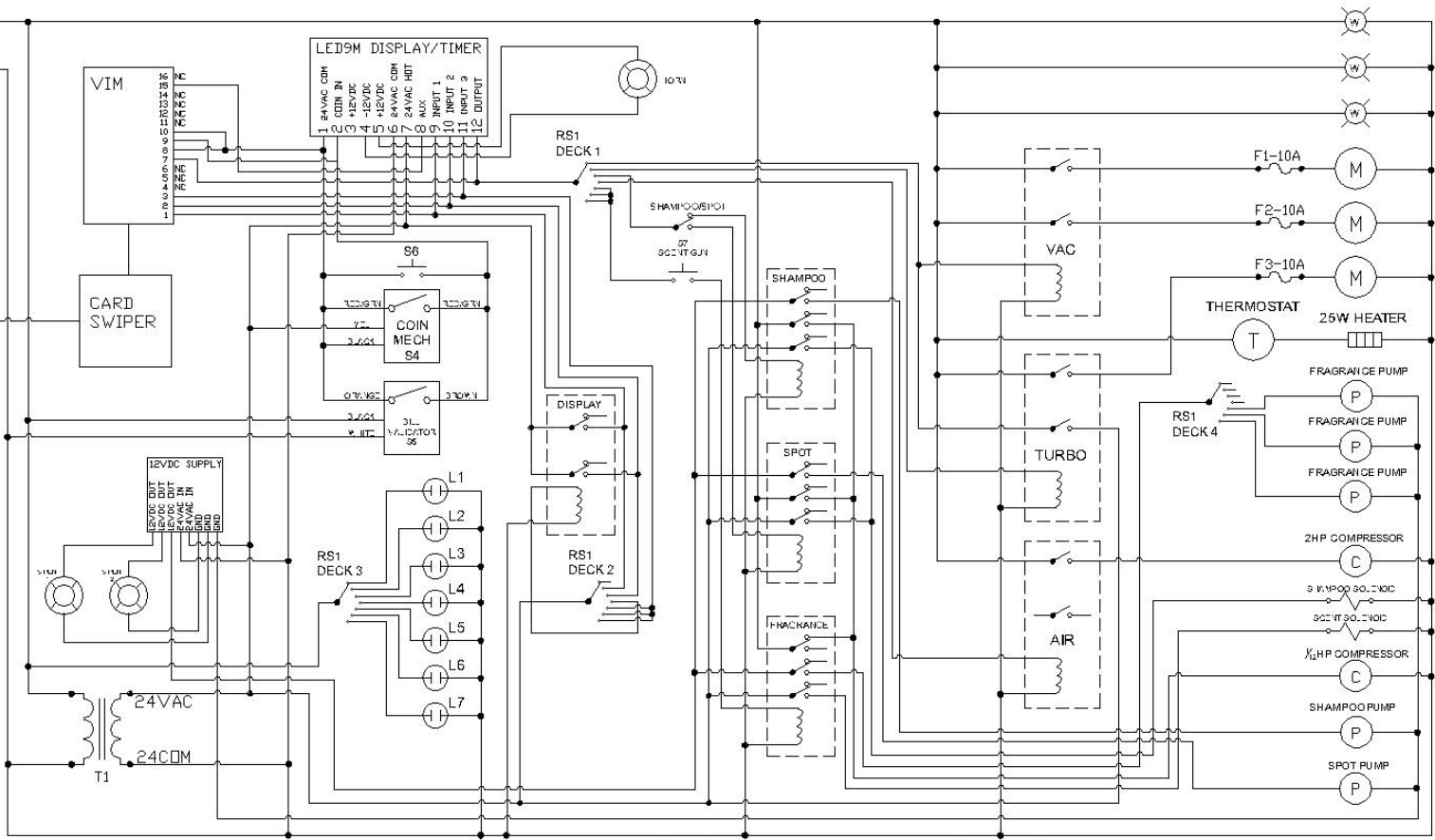
PART NO. S28000-ELEC

BILL OF MATERIAL

ITEM NO.	PART NO.	DESCRIPTION	QTY.
			1

NOTES:

120 VAC
 120 VAC COMMON
 GND
 CAN AND SHAMPOO BRUSH GROUNDED TO INCOMING SERVICE GROUND
 TO SERVER



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PART NO. S28000-ELEC



UNSPECIFIED TOLERANCES
 FRACT. ±1/32
 2 PL ±.020
 3 PL ±.010
 ANGLE ±1.0°

TITLE 28000 ELECTRICAL SCHEMATIC

DESIGNED BY	CAI	DATE	3/06	SCALE	NONE	REL. FOR PROD.		
PART NO.	S28000-ELEC						REV. LEVEL	