

Series 100 Cold Drink



Polyvend

SERVICE MANUAL



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WARRANTY LIMITED 354 CAPACITY

Polyvend Inc. warrants, to the original purchase, each part of each new machine for a period of twelve (12) months from the date of shipment, to be free from defects in material and workmanship is warrant DOES NOT include light bulbs, fluorescent tubes, fuses, finish or operation supplies. The vending motors are warranted for a period of five (5) years against failure due to normal use. The hermetically-sealed refrigeration system used in these machines designed to vend cans is warranted to be free from defects in materials and workmanship for five (5) years, provided the hermetically-sealed portion of the system has not been opened or tampered with. The components related to the hermetically-sealed system, fan motors, temperature control, capacitor, overload switch or starting relay ARE NOT covered by this five (5) year warranty. These components are warranted for a period of twelve (12) months from the date of shipment. To qualify for Warranty replacement., all returns must be completed within the Warranty period and accompanied by a record of the cabinet model and serial number along with a brief description of the defect or failure. If the return is found to be inoperative due to defects in material and/or workmanship, we will at our option, repair or furnish a reconditioned or new replacement part or refrigeration system at no charge, but will not provide the labor, removal or reinstallation cost associated with such parts. All returned products or parts must be shipped freight prepaid to Polyvend and Polyvend will then prepay the shipping cost of the returned goods. Polyvend reserves the right to refuse any collect shipment. This warranty applies only if equipment is serviced and maintained in strict accordance with the instructions given in the Polyvend Service manual and that no unauthorized repair or disassembly has been done. Any defect caused by improper source of power supplied, abuse of the product, accident, alteration, vandalism, mineral build-up or improper cleaning or service techniques will not be covered by warranty.

Polyvend service or repair to items not in warranty will be subject to the standard service charge for repair of the failed components. For warranty or service information call or write to Polyvend Service Department.

* All information subject to change without notice.

**POLYVEND INC.
COLD DRINK SERVICE MANUAL
SERIES 100-354-6**

GENERAL

The Polyvend Can Drink (354 capacity) vendor is a single price vending machine with each unit activated by pushing a selection button.

SPECIFICATIONS

HEIGHT	72"
WIDTH	39"
DEPTH	26"
WEIGHT	(APPROX) 385 LBS.

ELECTRICAL

PRIMARY VOLTAGE	110 VAC
SECONDARY VOLTAGE	24 VAC
MAX. CURRENT	4.7 AMP
VOLTAGE TO CHANGER..	110 VAC
VOLTAGE TO VALIDATOR..	110 VAC

Polyvend Inc. is not responsible for faulty or overloaded circuits within the facility where Polyvend machines are installed. The exact load imposed by the machine is stated above. The sum of all devices connected to a particular circuit will determine the total line load.

Note: Equipment UL listed, meets UL requirement UL-541.

Note: All information subject to change without notice.

INSTALLATION

- * Remove all external packing material.
- * Inspect equipment for shipping damage. If evident, file claim immediately with carrier. (See shipping policy)
- * Remove keys from coin return cup, unlock the door and inspect the inside for hidden damage and remove any shipping material such as tape holding panels in place. If damage is found, see shipping policy.
- * Remove the shipping skids by splitting. Note: If shipping damage is found, do not remove skids until claim is settled.
- * Vendor should be placed on a solid base and leveled by adjusting the leveling legs. Machine back should be 6" from wall in order to get proper air circulation for the cooling **system**.

Check the door roller assembly (see figure 1). It may be necessary to raise or lower the bracket. By using shims (metal spacers), you can add shims to raise the door roller or remove the shims to lower it. The purpose of the door roller is to align the door lockstud to the door latch.

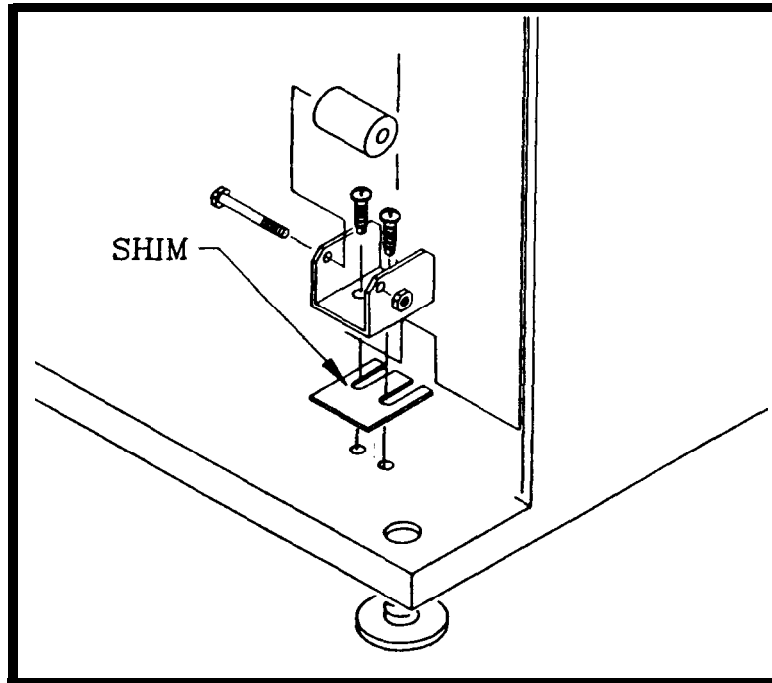


FIGURE 1



- * Check the door alignment to be sure that there is proper alignment and engagement of the T-handle to the door latch. Be sure that the floating nut in the cage is able to engage the bolt of the T-handle. The striking plate can be adjusted up or down by loosening the bolts that mount it to the side of the machine. See figure 2.

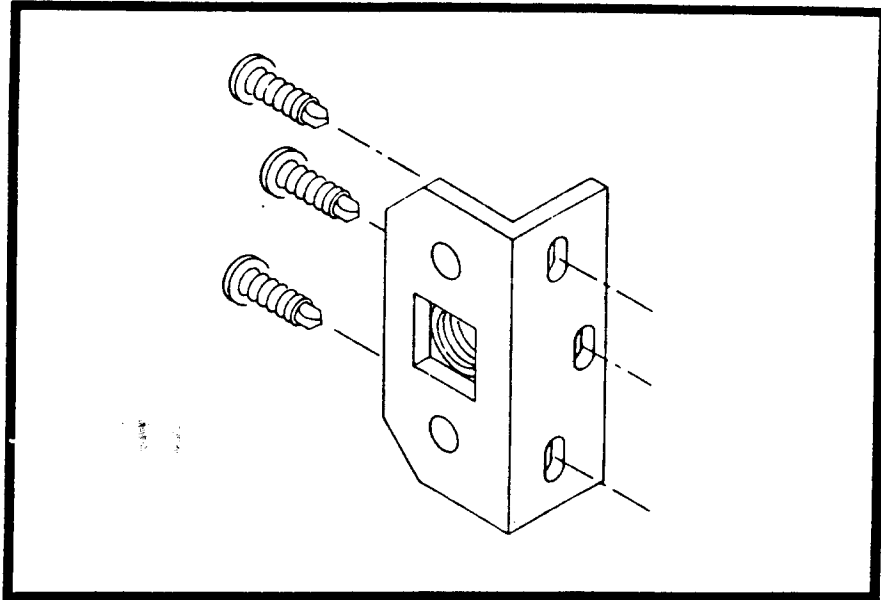


FIGURE 2

- * To ensure correct temperature control operation, it is essential that the control feeler bulb be positioned in the air flow from the evaporator and not resting against any metal surfaces other than the retaining clip. If the bulb is touching any other metal surface you will get a false reading to the temperature control. See figure 3.

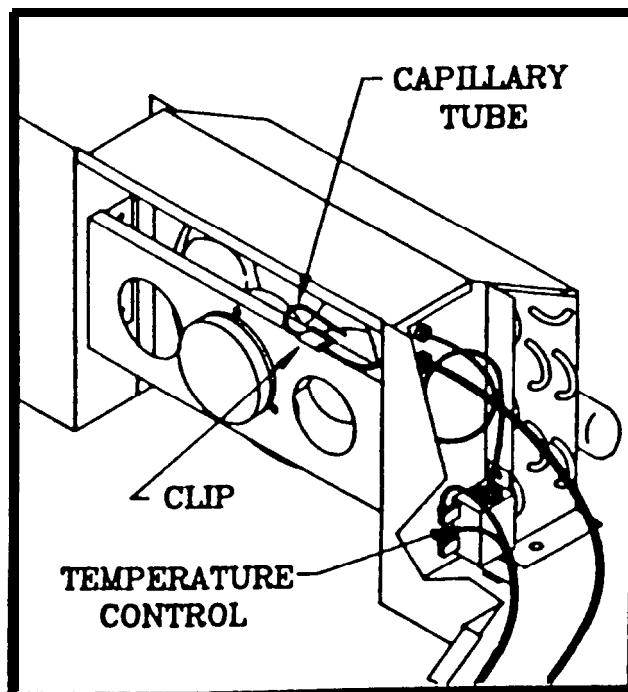


FIGURE 3

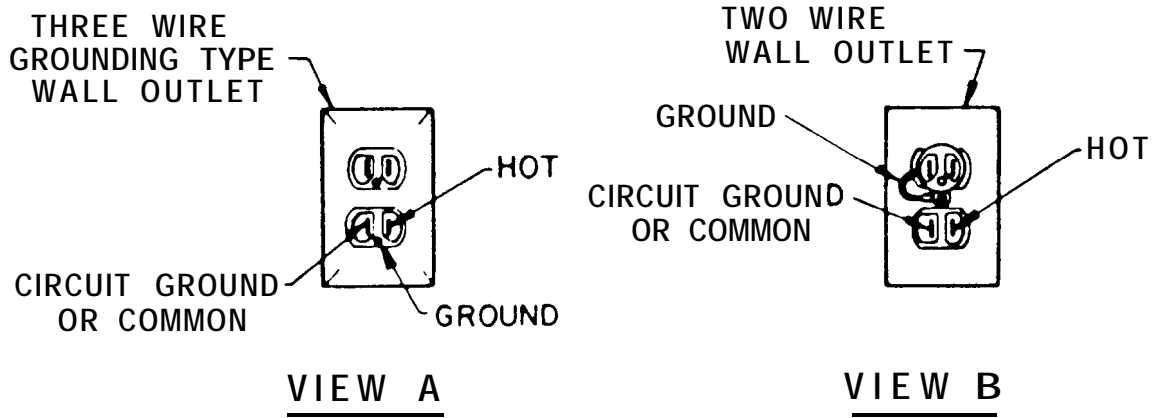
CAUTION: DISCONNECT POWER TO COLD DRINK MACHINE BY UNPLUGGING THE MACHINE OR TURNING OFF CIRCUIT BREAKER TO OUTLET BEFORE INSTALLING CHANGER OR VALIDATOR OR WORKING ON ANY ELECTRICAL COMPONENT IN THE MACHINE. Failure to do so may cause electrical damage to equipment.

- * Install changer and validator into equipment as required.
- * Set the price in the changer.
- * Plug service cord into 110 VAC source using the three prong grounded plug provided. The compressor should come on, the cooling fan should be running, validator (if installed) should cycle and sold out lights by each selection should come on (if machine is empty of cans of soda).

NOTE: In order to comply with the electrical safety regulations and Underwriters Laboratories requirements, all electrical equipment must be properly polarized and grounded. The Polyvend machine is wired so that it is properly polarized in accordance with the electrical code. If the wall outlet is wired and grounded properly, then the can drink machine will connect properly.

Shown in views A and B are two properly grounded and polarized wall outlets. One is a three wire grounded type wall outlet (see view A) and the other is a two wire wall outlet (see view B) with the adaptor in place.

Should the polarity at the wall outlet appear any way other than that shown below, the outlet should be rewired by qualified personnel.



CAUTION: DISCONNECT POWER TO THE COLD DRINK MACHINE BY UNPLUGGING THE MACHINE OR TURNING OFF THE CIRCUIT BREAKER BEFORE WORKING ON THE CHANGER, VALIDATOR OR ANY ELECTRICAL COMPONENT IN THE MACHINE.

* Install the coin instruction label, price label and the flavor labels by each respective selection button. See figure 4.

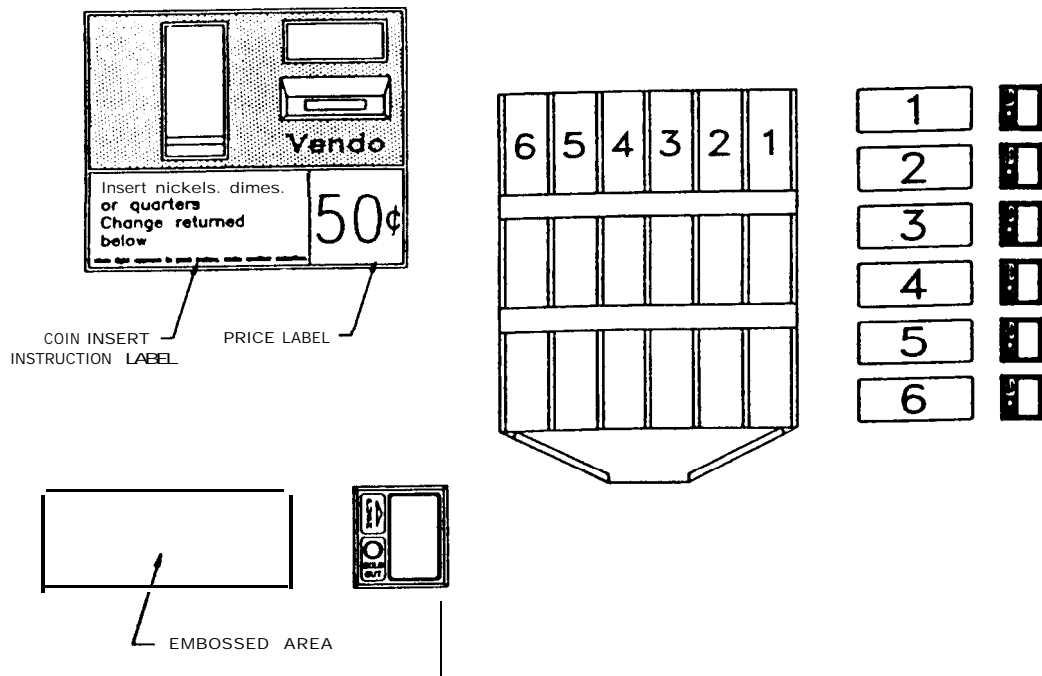


FIGURE 4

- * **The** vendor as delivered will dispense either **11 oz.** or **12 oz.** cans.
- * After loading all of the columns of the machine vend three to four cans from each selection using money.
- * Close the front door of the machine and screw the T-handle in until you feel a little resistance. **DO NOT TURN THE T-HANDLE UNTIL THERE IS NO RESISTANCE.** If the T-handle is tightened too much, the door latch may be bent preventing the inner door from sealing to the main cabinet.
- * Check the position of the condensate drip pan to be sure it is seated between the compressor and the condenser fan bracket. This is the best position to dissipate any moisture that may be in the drip pan. Ensure that the hose is in the clip provided in the pan and the hose has a loop in it to prevent any warm air from the base area from getting into the cooling area. This extra warm air will cause moisture to build up on the evaporator and freeze up. See figure 5.

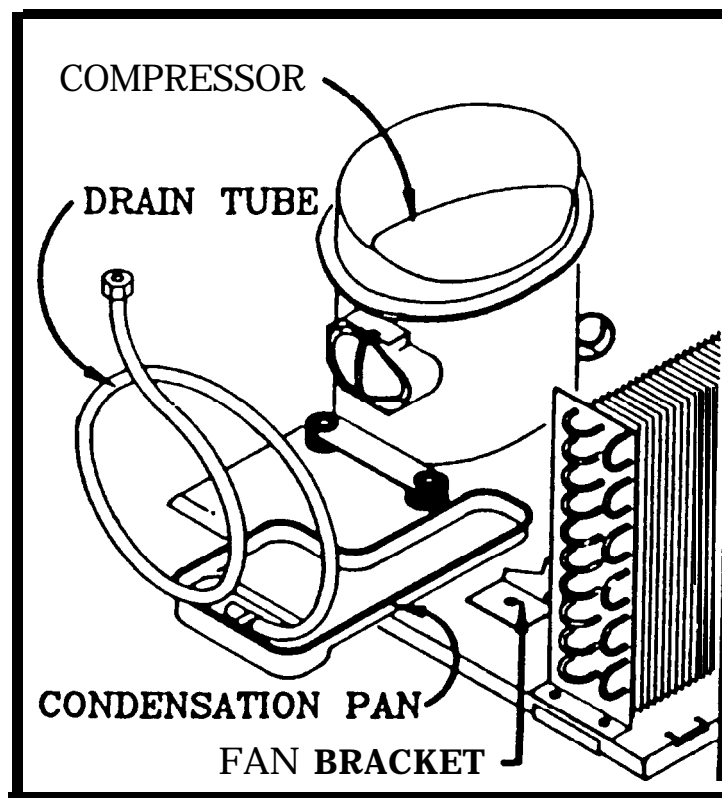


FIGURE 5

CONSUMER SAFETY WARNING

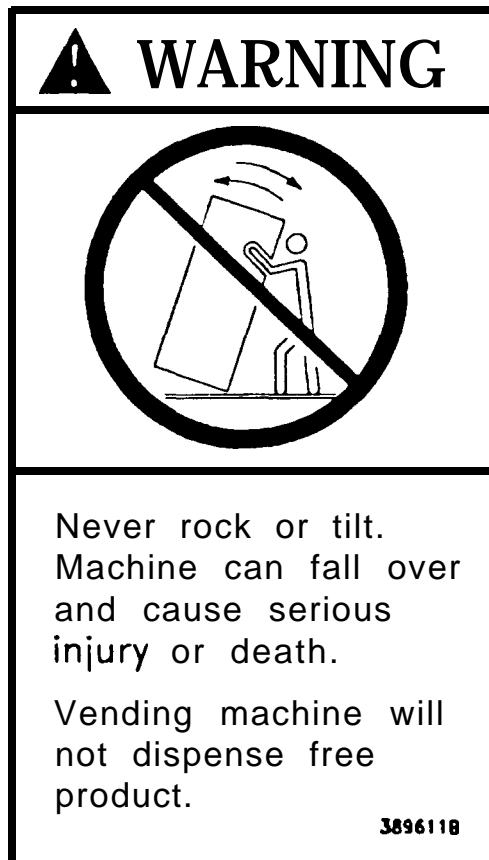
WARNING

VENDOR IS VERY HEAVY AND CAN BE OVERTURNED IF SUFFICIENT FORCE IS APPLIED RESULTING IN SERIOUS INJURY OR DEATH.

There have been incidents, including fatalities, when vending machines have been vandalized by being pulled over in an attempt to obtain free product or money.

To warn of the danger involved in tipping, shaking or rocking the vending machine, a decal has been designed to be affixed to vending machines (a decal is provided with each machine). Sufficient decals to be placed on all machines are available on request and free of charge. If you have any questions, contact the field service department of Polyvend (1-800-643-8250).

THE DECAL SHOULD BE PLACED IN A POSITION ON THE MACHINE NEAR THE COIN INSERT, AT EYE LEVEL.



ELECTRICAL SERVICE SECTION

TEMPERATURE CONTROL SETTING

The temperature inside of the cabinet is regulated by the temperature control setting. The thermostat is mounted on the left side of the evaporator (behind the delivery chute on the left hand side). Before making any adjustments to the control, check all of the components of the refrigeration system to ensure that none of them are the cause for the problem with cooling. Make sure that the circulation fan is running and that the compressor is cycling on and off. The normal setting from the factory is with the thermostat set at the center for the cooling range. The air temperature at the feeler bulb should cut the compressor on at 39 degrees. If the temperature has to be lowered, turn the control clockwise. See figure 6.

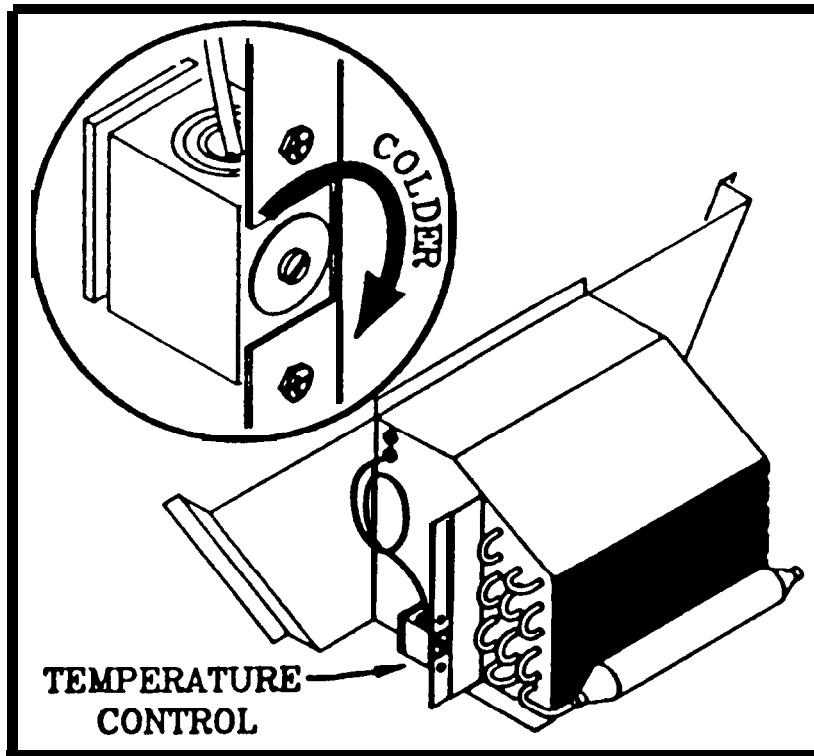


FIGURE 6

PRIMARY VENDING COMPONENT INFORMATION

1. Vend Motor
The motor is a 24 volt DC motor with its own carrier switch and a cam built onto the shaft of the motor. The cam allows the motor to operate once for every revolution of the cam.
2. Vending Auger
The auger is made of a glass-filled polypropylene, and is used to dispense the product from the stack and keep product in position for the next vend.
3. Motor Mounting Frame
The motor mounting frame is made of polypropylene plastic. It holds the vend motor and auger in position and is part of a complete vend-motor assembly which can be easily removed or replaced. The motor mount features snap-in mounting for the sold-out switch.
4. Sold-Out Switch
The sold-out switch is mounted on the rear of the motor mount and has a long leaf which extends into the track to sense the presence of a can product.
5. Motor and Auger Assembly
The assembly consists of the motor, cam, motor mount, auger, motor switch and sold-out switch.

Note: The motor and auger assembly is same for each column in the machine and are interchangeable with like parts from any other column.

6. Selection-Button Assembly
This assembly consists of a housing, button spring, sold-out light, and selection switches.
7. Selection Switch
The switch is mounted on the selection button assembly in the front of the machine.

Note: All electrical components in the vending circuit are rated at 24 volts DC.

THEORY OF OPERATION

1. MECHANICAL OPERATION

A. MECHANICAL VEND CYCLE

The following information covers the operation of all six columns.

1. After the vendor has been loaded with at least two (2) cans per column, the vendor will register product and the sold-out light will go out. The changer must have the proper inventory of coins in the coin tubes to be able to accept any combination of coins necessary to meet the vend price of the product. The vendor is now ready to be used by the customer to select a product.
2. As the customer inserts coins into the coin-insert assembly, the vendor is enabled, so that a product can be selected as soon as the selling price is reached. At this point, the control relay (110 volt) energizes momentarily and energizes the credit relay, which sets up a circuit to the selection buttons, in preparation for the customer's product selection.
3. At the same time that the credit relay is energized, the CREM coils in the changer are de-energized to block the coinage path and prevent additional coins from passing over the sensors or switches.
4. The customer is now able to make a selection. Once pressed, the selection button actuates its switch and an electrical circuit is directed to the selected column's motor auger assembly to start it. As the motor rotates the auger, the built-in motor cam on the motor shaft actuates its carrier switch, which is also part of the motor, to keep the motor running.
5. As the motor operates, the auger turns and delivers a product, while moving another product into position for the next vend.
6. The motor carrier switch keeps the motor in operation until the actuator of the switch falls into the valley of its cam. The vendor is then returned to standby, ready to accept currency for the next vend operation. If a sold-out condition exists after the last vend, the auger shifts the next product and the sold-out light is lit by the action of the sold-out switch leaf for that selection.

II. ELECTRICAL OPERATION

A. ELECTRICAL VEND CYCLE

In order for the vendor to operate properly, accept money, and allow the customer to purchase a product, there must be at least two (2) cans, in position to vend, in the selected column. One (1) can in a column will activate the sold-out light in the selected column. With the vendor loaded as stated, and sufficient coins in the change tubes, the CREM's will be activated and the vendor will be ready to vend a product.

Step 1: As coins are inserted into the changer, they pass a sensor or a switch, and when the amount of money inserted reaches or exceeds the product selling price, the control relay will be energized momentarily by the coinage. The credit relay will be energized through the contacts (7 & 4) of the control relay. The circuit also comes through the COMMON to the NORMALLY OPEN set of contacts (12 & 8) on the credit relay, and through the COMMON to the NORMALLY CLOSED contacts of the MOTOR CARRIER switches from the power supply mounted on the door.

NOTE: The vending portion of the electrical circuits are all 24 volt DC, however, the control relay, the coin changer and correct-change lamp operate off the initial 110 volt AC incoming through pin 1 and pin 2 of the coinage receptacle (jones plug) on the door harness.

Step 2: With the credit relay energized, the CREMs are now de-energized to prevent coins from entering the changer. At this time, the customer is able to select any product that does not have its sold-out light illuminated. At this time, all of the selections have a circuit to them. When a selection is pressed, it sends a signal to the selected motor to start the motor. That action, in turn, augers out the product. The circuit to the selected motor is routed to it from the COMMON to the NORMALLY OPEN set of contacts on the actuated motor carrier switch. The sold-out light is momentarily illuminated at this time.

Step 3: The motor operates through the actuated carrier switch, through the action of a built-in cam on the shaft of the motor that keeps the switch in an actuated position. This action takes place through the energized set of contacts (12 & 8) on the credit relay, and the energized relay coil, through pins (5 & 9) of the relay.

- Step 4: The motor continues to run, the credit relay circuit is cancelled, the CREMs circuit is cancelled, and the motor continues to operate through the carrier switch.

- Step 5: As the motor continues to operate, a product is augered out of its position and another is augered into place, ready for the next vend. When the carrier switch is de-actuated by the action of the motor cam, the motor stops, the CREMs are energized to allow acceptance of money and the vendor returns to standby, ready to vend the next selection.

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ELECTRO-MECHANICAL FUNCTIONAL DESCRIPTION (CONTINUED)

II. ELECTRICAL OPERATION (CONTINUED)

C. ELECTRICAL STEP-BY-STEP OPERATION:

The following pages will cover the step-by-step operation of the vending circuit of the No-Frills Vendor.

Electrical Abbreviations:

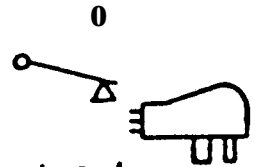




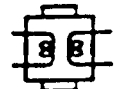
These are shown on the diagrams located on the following pages.

Electrical Symbols:

Abbreviations:

CREMs	Coin Return Electra-Magnets
NC	Normally Closed
NO	Normally Open
C	Common
c c	Correct Change
s o	Sold-Out
SEL	Selection
M T R	Motor

Symbols:

Switch	
Service cord line plug	
Coil	
Wire Junction	
Electrical plug and receptacle	
Transformer	

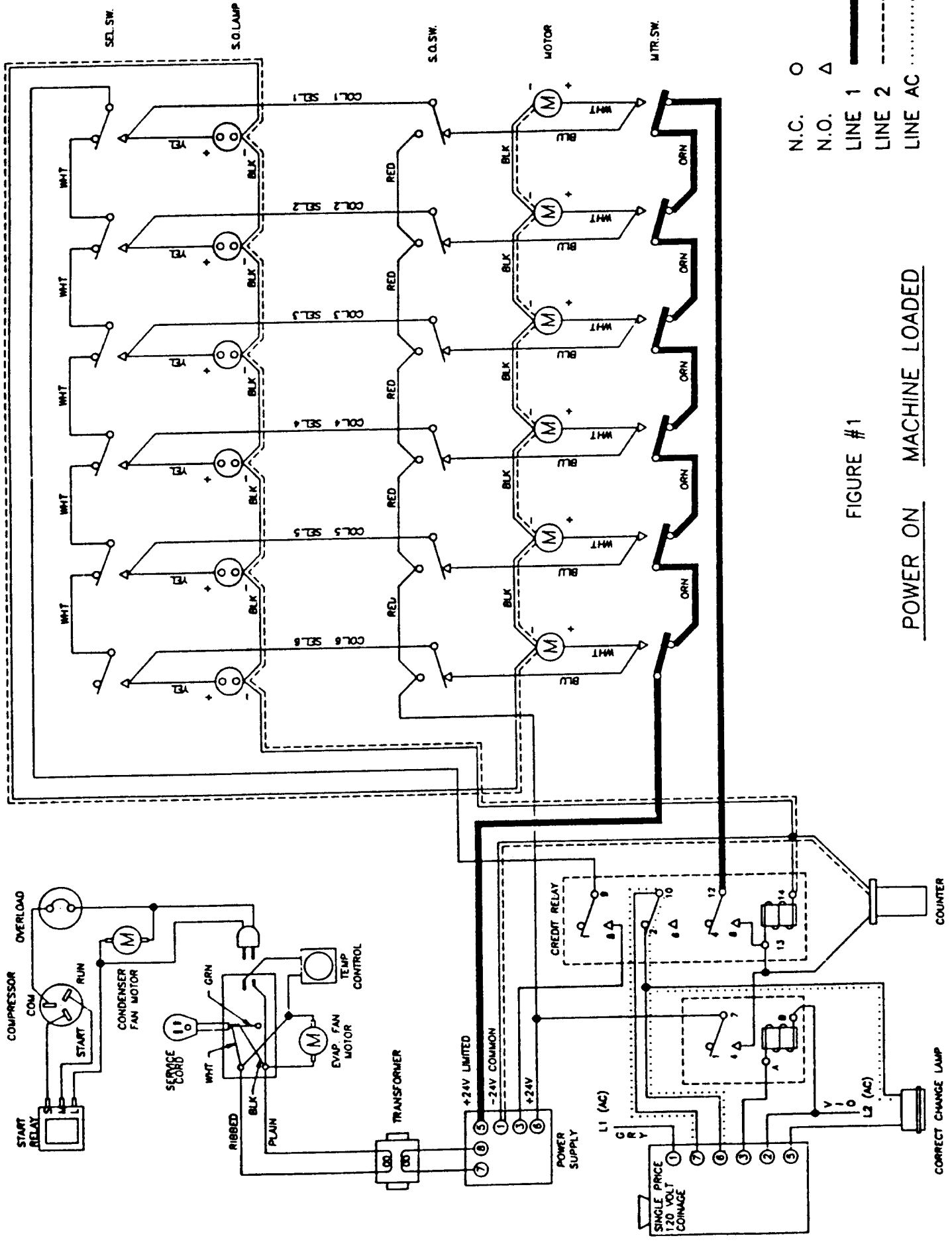


FIGURE #1
POWER ON MACHINE LOADED



STAND-BY CIRCUIT

POWER ON, VENDOR LOADED, AND CHANGER READY TO ACCEPT COINS

1. Line (AC) power is provided through the coin mech pins 1 - 7, through the common (10) and NC (2) contacts of the control relay to energize the coinage CREM coil and provide line (AC) to the correct change light.

NOTE: Line (AC) power is provided through a transformer to convert it to 20 volts AC, then through a power supply, where it is converted to 24 volts DC (Line "1").

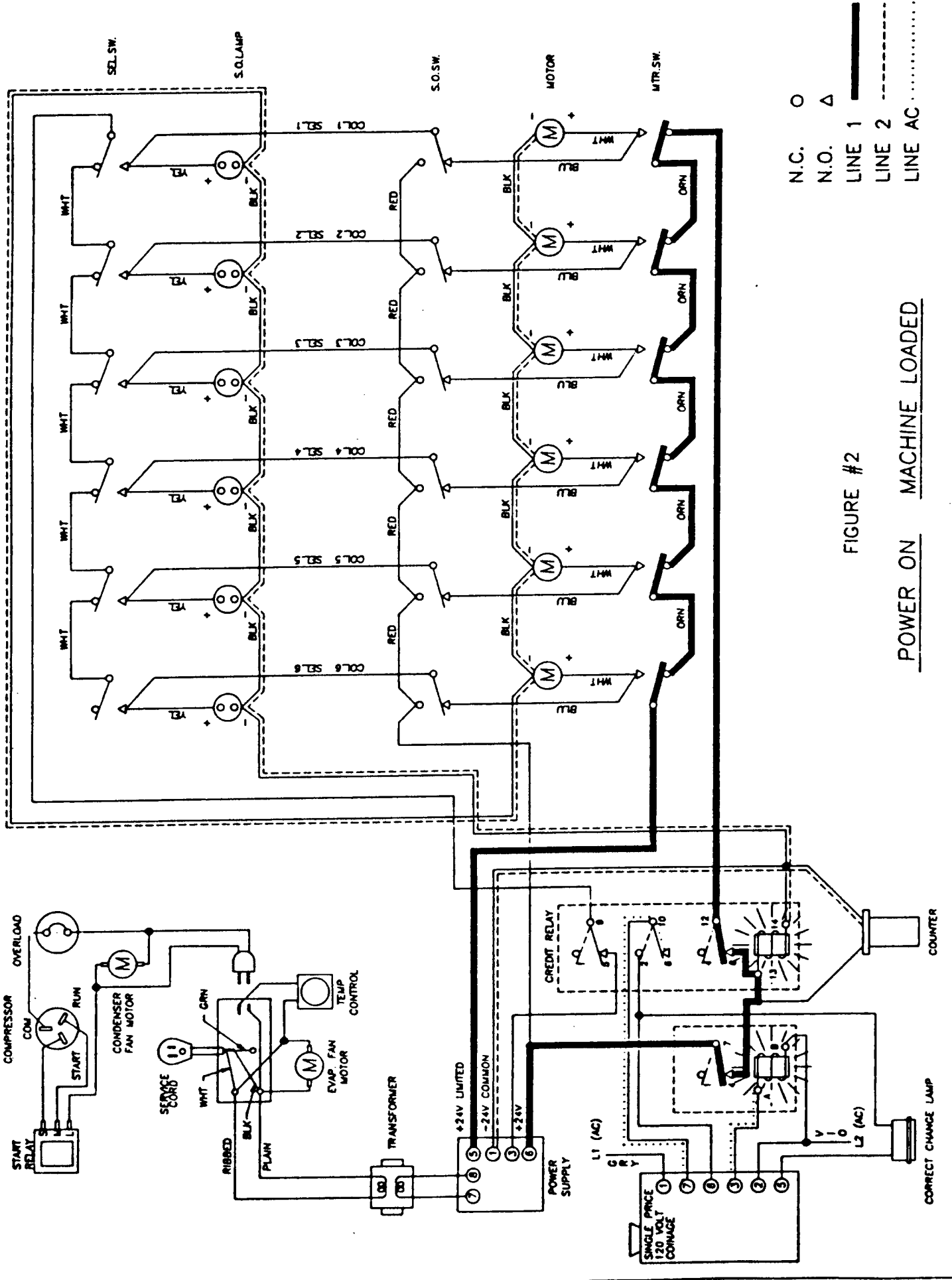
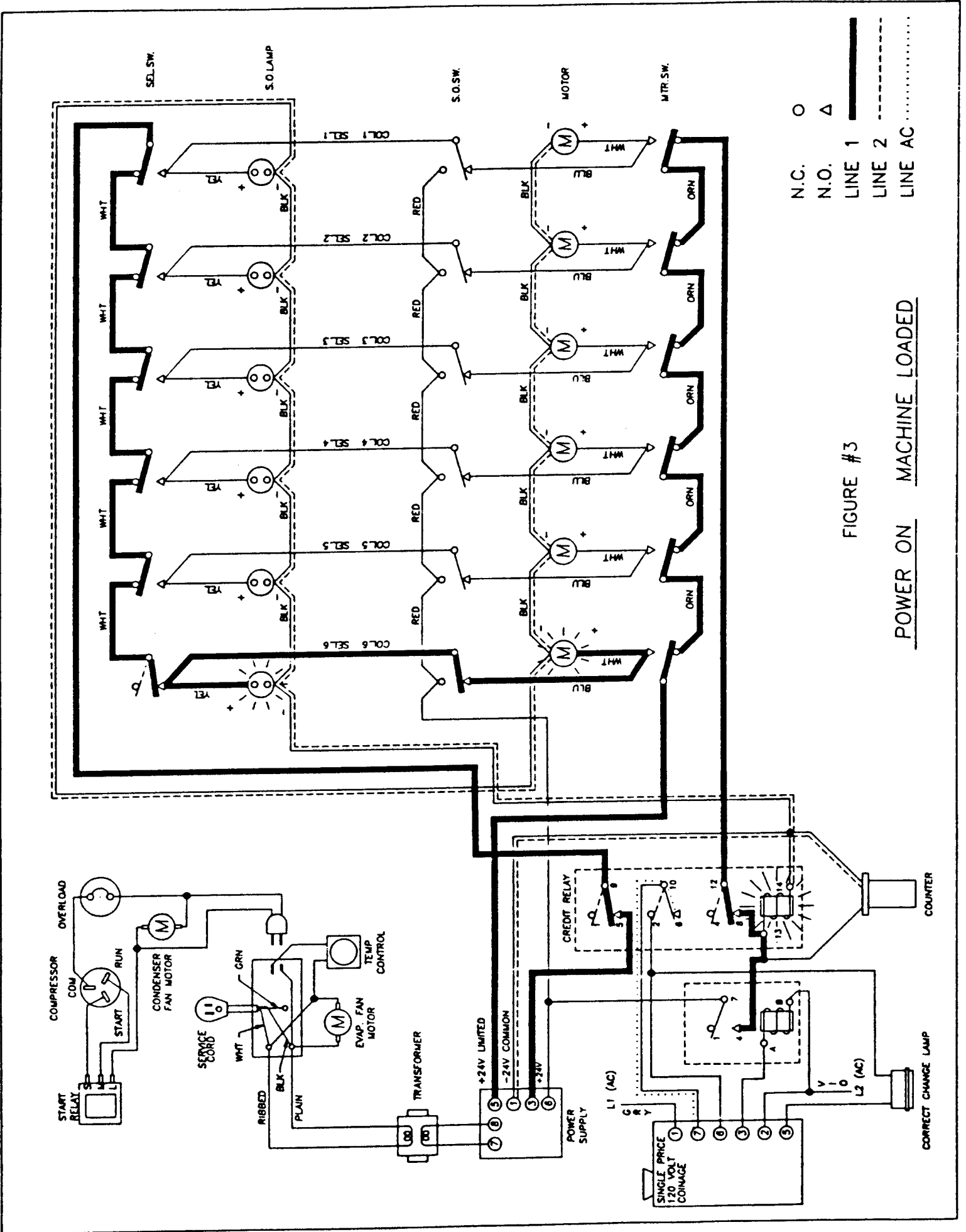


FIGURE #2

POWER ON MACHINE LOADED

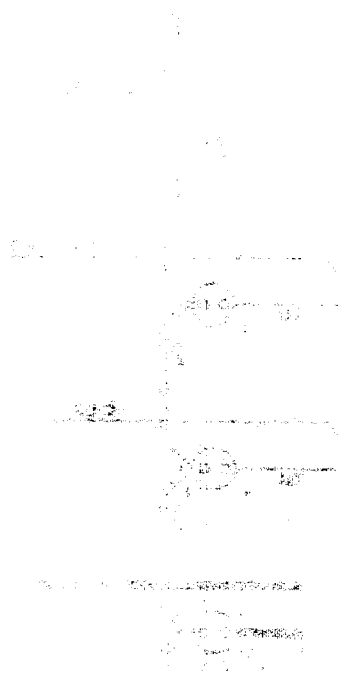
CREDIT ESTABLISHED

2. When the proper amount of money is inserted into the changer, the control relay will be energized momentarily by the coinage circuit. The credit relay will then be energized through the contacts of the control relay (7 & 4), through the motor switches, and through contacts (12 & 8) of the energized credit relay coil circuit. Through these contacts (12 & 8) the credit relay is held energized for the credit relay holding circuit.



CREDIT HOLD CIRCUIT AND SELECTION CIRCUIT

3. With the credit being held, a circuit is now available to all the selection switches that are not sold out. The selection switch has now transferred a circuit through the COMMON to the NORMALLY OPEN position to activate the motor of selection #6, the sold-out light is momentarily illuminated (as long as the motor is operating), the credit relay remains energized, and the CREMs remain de-energized.



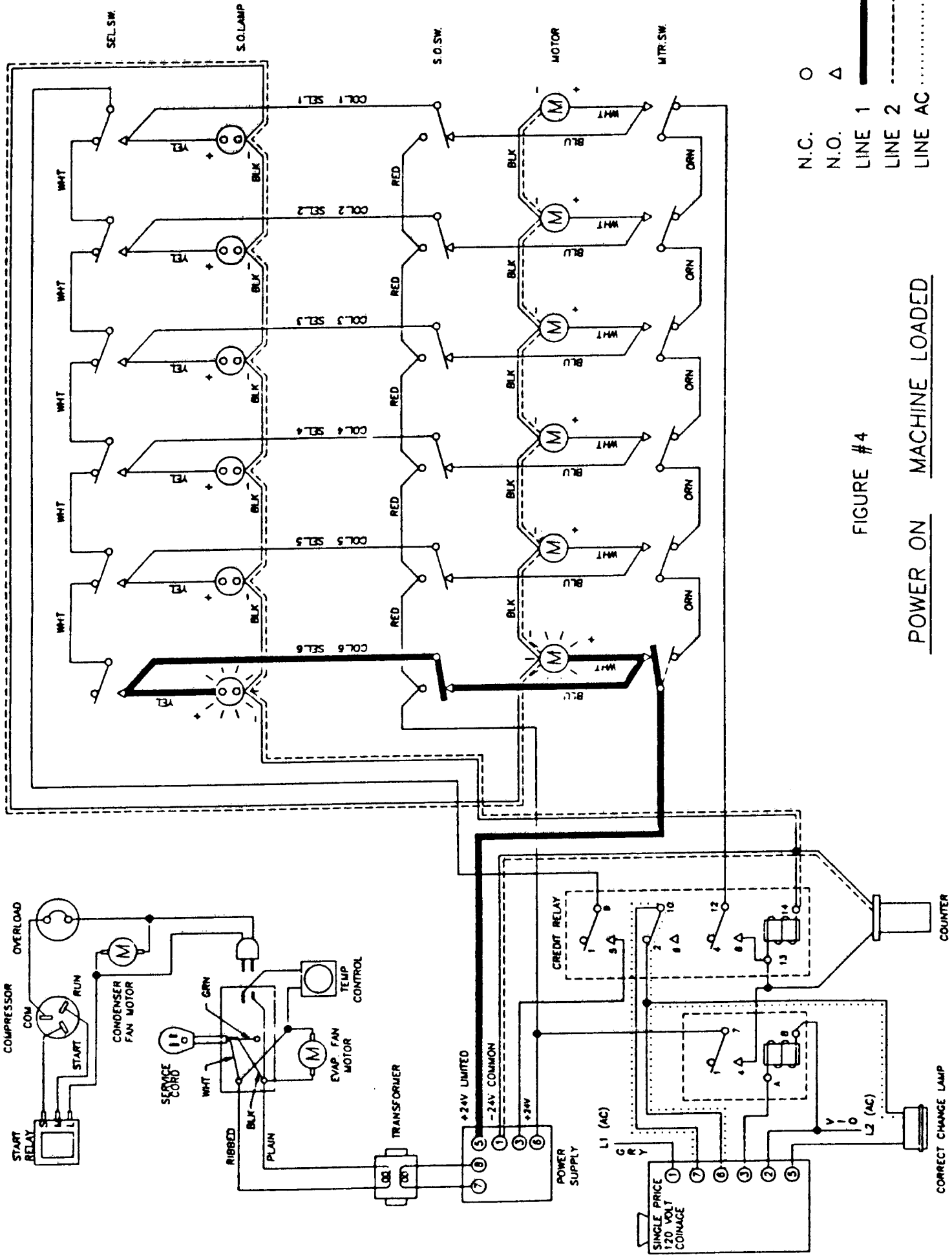


FIGURE #4

POWER ON MACHINE LOADED

MOTOR RUN CIRCUIT

4. As the motor continues to run through the motor carrier circuit and through the action of the motor cam, one product has been augured out of the stack and another product has been augured into its place, ready for the next vend. As soon as the motor carrier switch was actuated, the circuit to the credit relay coil was removed to release the credit. Through this action, the CREMs are re-energized.

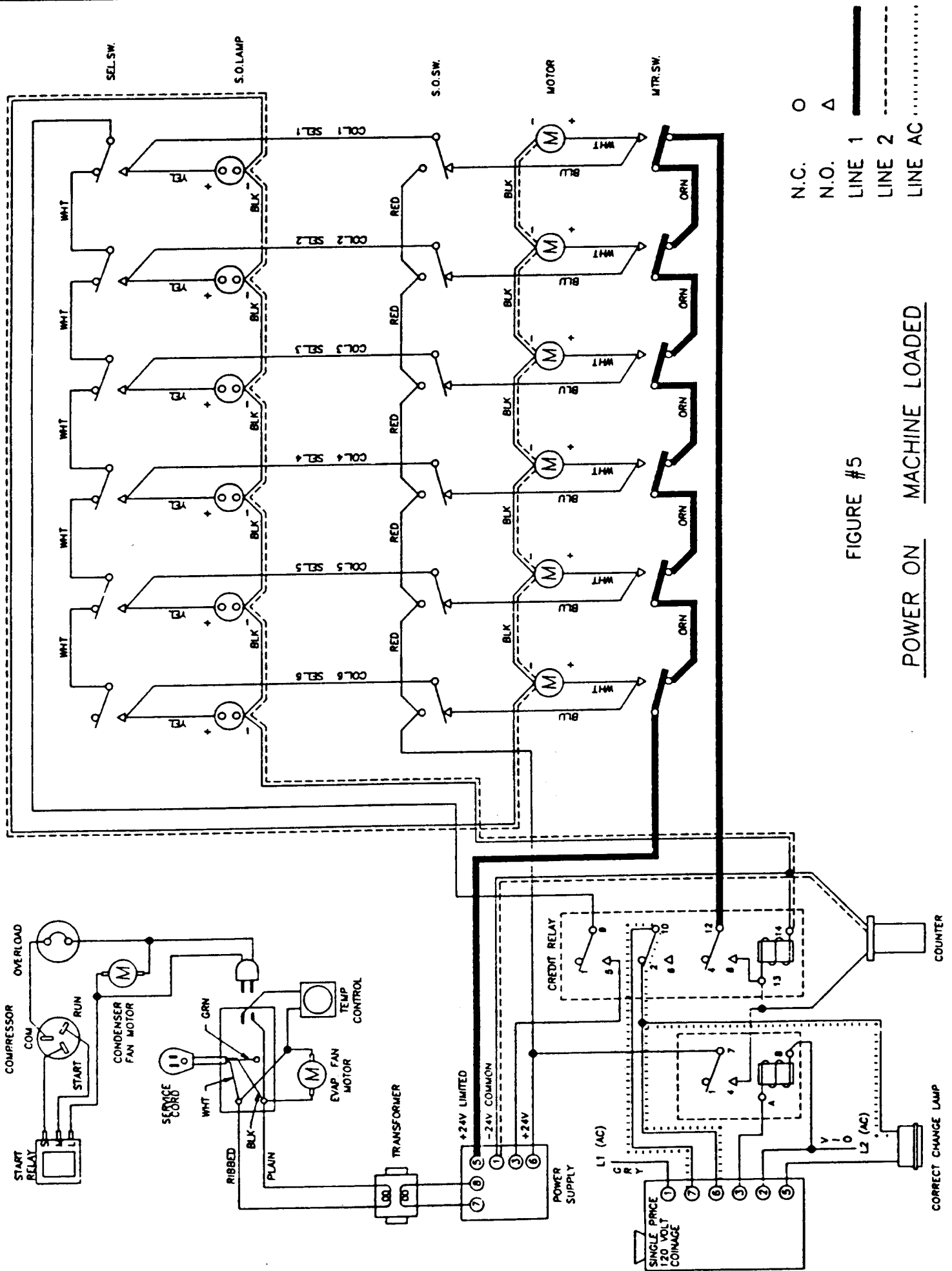


FIGURE #5

POWER ON MACHINE LOADED

RETURN TO STAND-BY MODE

5. The motor continues to operate through its cam until the valley of the cam allows the actuator of the switch to be de-actuated from its COMMON to its NORMALLY OPEN position, which will stop the motor and bring the vendor into a standby condition, ready to accept money and ready for the next vend cycle.



PREVENTIVE MAINTENANCE AND CLEANING

The following section deals with the general maintenance and cleaning of the machine.

- A. Check the evaporator drain for obstruction (water in the evaporator area must drain to the condenser pan).
- B. Empty the condensate drip pan if full. **Verify** that the drain tube is formed in a loop before removing the drain pan and that the end of the tube is lying in the drain pan, clipped to the edge.
- C. Clean the condenser area, making sure the vanes are free of dirt and dust. **CAUTION:** The grille fins are thin gauge metal, and as a result, are very sharp. Do not rub over the grille with bare hands, as cuts may result.
- D. Clean the vinyl sign on the front of the machine with warm water and any common brand of household detergent. Wash with clean water and dry with a soft cloth or chamois. **DO NOT USE CLEANING SOLVENTS OF ANY KIND ON THE VINYL FRONT DOOR SIGN.** The exterior of the machine can also be washed with soap and water. To protect the painted surface, a good grade of car wax can be used. Do not use harsh abrasive materials on the sign or the cabinet. Use a soft cloth to clean the door. **DO NOT USE PAPER PRODUCTS ON THIS DOOR.**
- E. Lubricate the following components every six months with white grease, grade 2 high/low temperature grease or equivalent, the top outer-door hinge, bottom outer-door hinge, door locking stud threads and inner-door ramp (wear surface on the top of the ramp).

TROUBLESHOOTING

POSSIBLE PROBLEM	POSSIBLE CAUSE	SERVICE SUGGESTION
Changer not accepting coins	No power to the vendor	Check power supply at the wall
	No power to the changer	Check coin mechanism plugs for faulty harness wiring (see wiring diagram)
	Acceptor is out of adjustment or the coin gate is not closed	Check coin mechanism
	Blocking fingers remain in coin path due to: 1) Defective coin return electro magnet (CREM) 2) Bent blocking fingers	1) Check CREM - replace 2) Reform blocking fingers
	Coin paths are dirty	Clean acceptor with an approved cleaner--dry thoroughly
	Contacts of credit relay are open	Check continuity of the relay. Clean contacts with approved electrical cleaner--if still open, replace relay
	Open motor carrier circuit	Check to see that the motor carrier switch has returned to standby
Money accepted no product vended	No selections work	Check #1 selection switch; replace if necessary
	#1 selection works, #2 through #6 do not	Check #2 selection switch, replace if necessary. This pattern can continue through the last selection switch. A selection circuit goes from 1 to 2 to 3, etc...
	Sold-out switch is inoperative	Check switch; replace
	Motor starts but does not run	Check motor carrier switch; replace switch and motor

POSSIBLE PROBLEM	POSSIBLE CAUSE	SERVICE SUGGESTION
Compressor starts but does not run	Starting relay stays closed	Replace relay
	Thermostat inoperative	Check thermostat. Clean contacts with an approved electrical cleaner; replace
	Compressor problem	Check, replace system.
Compressor runs, but cabinet temperature is warm	Compressor failure Note: Any work of this nature done without express permission from Polyvend can void the warranty on the refrigeration unit.	Replace refrigeration unit
	Loss of refrigerant	Replace refrigeration unit
	Condenser fan not working	Check circuit to fan motor. Replace motor. Check for obstruction of fan blade.
	Blocked or dirty condenser	Clean condenser
	Evaporator fan not working	Check circuit to fan motor. Replace motor. Also check for obstruction of fan blade.
	Bad inner door seal	Check for moisture on seal. Adjust the inner door as necessary (see initial setup in service manual). Replace door seal.
	Thermostat set too high	Adjust thermostat
Compressor runs continuously	Thermostat inoperative	Inspect thermostat
Evaporator is frosted over	Water at base of evaporator unit	Check for proper drainage--plugged drain, kink in drain tube etc.; check door seal
Product freezing up--too cold	Thermostat set too low	Adjust thermostat
	Thermostat inoperative	Check thermostat, replace
	Thermostat feeler bulb is out of position	Adjust bulb
Excessive noise	Fan blades bent or hitting shroud	Straighten, relocate shroud
	Fan motor is noisy	Tighten bolts or replace
	Refrigeration base is loose or bent	Tighten/straighten base

POSSIBLE PROBLEM	POSSIBLE CAUSE	SERVICE SUGGESTION
Vend motor runs until 2 or 3 products are vended, or vend motors run continuously	Sticky motor switch (syrup)	Remove motor and clean
Refrigeration unit will not run	No power to vendor	Check power supply and service-cord connections
	Thermostat open (temperature control)	Check thermostat (apply insulated jumper across terminals--if compressor starts, replace overload)
	Temperature-control bulb out of position	Check that bulb is positioned in air flow
Compressor won't start--condenser fan motor runs; unit is cool; no power to compressor	Overload protector is inoperative	Check overload (apply insulated jumper across terminal--if compressor starts, replace overload).
Compressor will not start, condenser fan motor is running--unit is hot (power to compressor)	Starting relay is inoperative	Check relay, replace
	Compressor is inoperative NOTE: Any work done to the system by breaking into it, is not authorized and will void the warranty.	Disconnect power to vendor. Remove all leads from the compressor; check continuity from "common" start" and "run" to compressor case. If continuity shows, replace compressor. Check continuity from "common" to "run" and from "common" to "start. " If meter fails to show a reading , replace compressor
Compressor starts but does not run	Will not cycle	Check overload and contacts, replace

POLYVEND SHIPPING POLICY

The following information is to assist you in assuring safe delivery of your merchandise and in expediting of freight damage claims.

Our terms of sale are F.O.B. our factory. The responsibility for damage in transit is the carrier's whether it be visible or concealed damage. We have taken every precaution to ensure safe arrival of this equipment, but our responsibility ceases the moment the shipment is turned over to the carrier.

Acceptance of this shipment by the carrier is an acknowledgment that the equipment was delivered to them in good condition and properly packed. The carrier who delivers this merchandise to your door is responsible for its safe delivery.

PROCEDURE FOR VISIBLE DAMAGE

1. IT IS VERY IMPORTANT TO INSPECT ALL FREIGHT DELIVERIES, WHETHER MACHINES OR PARTS, IMMEDIATELY. If there is any visible damage you have the right to either refuse the merchandise or accept the damaged shipment. If you accept it, make certain that you have the delivery personnel note the nature and extent of damage on the freight bill.
2. After you determine the extent and cost of the damage, notify the delivering carrier's office by phone and confirm with a written notice within 15 days requesting an inspection of the damaged merchandise. Keep a copy of the inspection request for claim purposes. Do not destroy the packing material until shipment is inspected and claim is settled.
3. When the inspector arrives, ask for a claim form. In filing a claim, you may make a cash settlement with the carrier for the full invoice price of the merchandise or contact Polyvend Inc., at 1-800-643-8250 and make arrangements to have merchandise returned for repair and file a claim for repair charges. Do not return "DEADHEAD". Do not claim more than the cash price of the machine, plus freight.

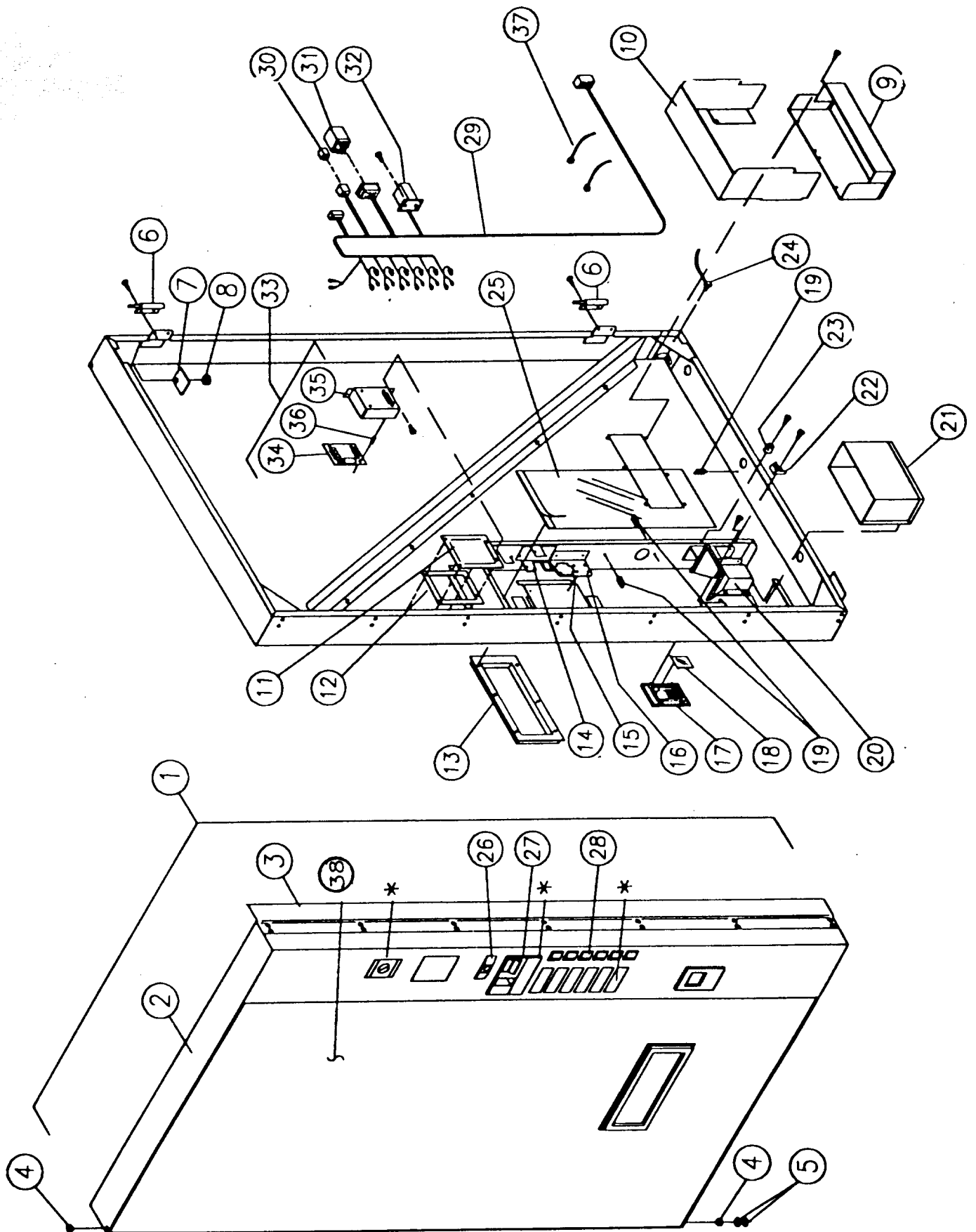
PROCEDURE FOR CONCEALED DAMAGE

1. If there is no visible damage, YOU MUST OPEN THE SHIPMENT WITHIN **15 DAYS AND INSPECT FOR CONCEALED DAMAGE**. If there is concealed damage, notify the delivering carrier by phone immediately asking for an inspection. Confirm the request in writing and keep a copy for claim purposes. If you fail to notify the carrier within **15 days** of delivery, by telephone and in writing, the freight company is no longer liable for damage and will probably refuse your claim. Do not destroy packing material until shipment is inspected and claim is settled.
2. After inspection by the carrier, file a claim for damages at once. On concealed damage, unless it can be proven that the carrier is responsible for the damage, they will probably want to settle on a compromise basis. Therefore, the faster you inspect your delivery and notify the carrier, the better the chances for full settlement. If the claim is disallowed, check on the possibility of a compromise.



DRAWINGS AND PARTS LIST

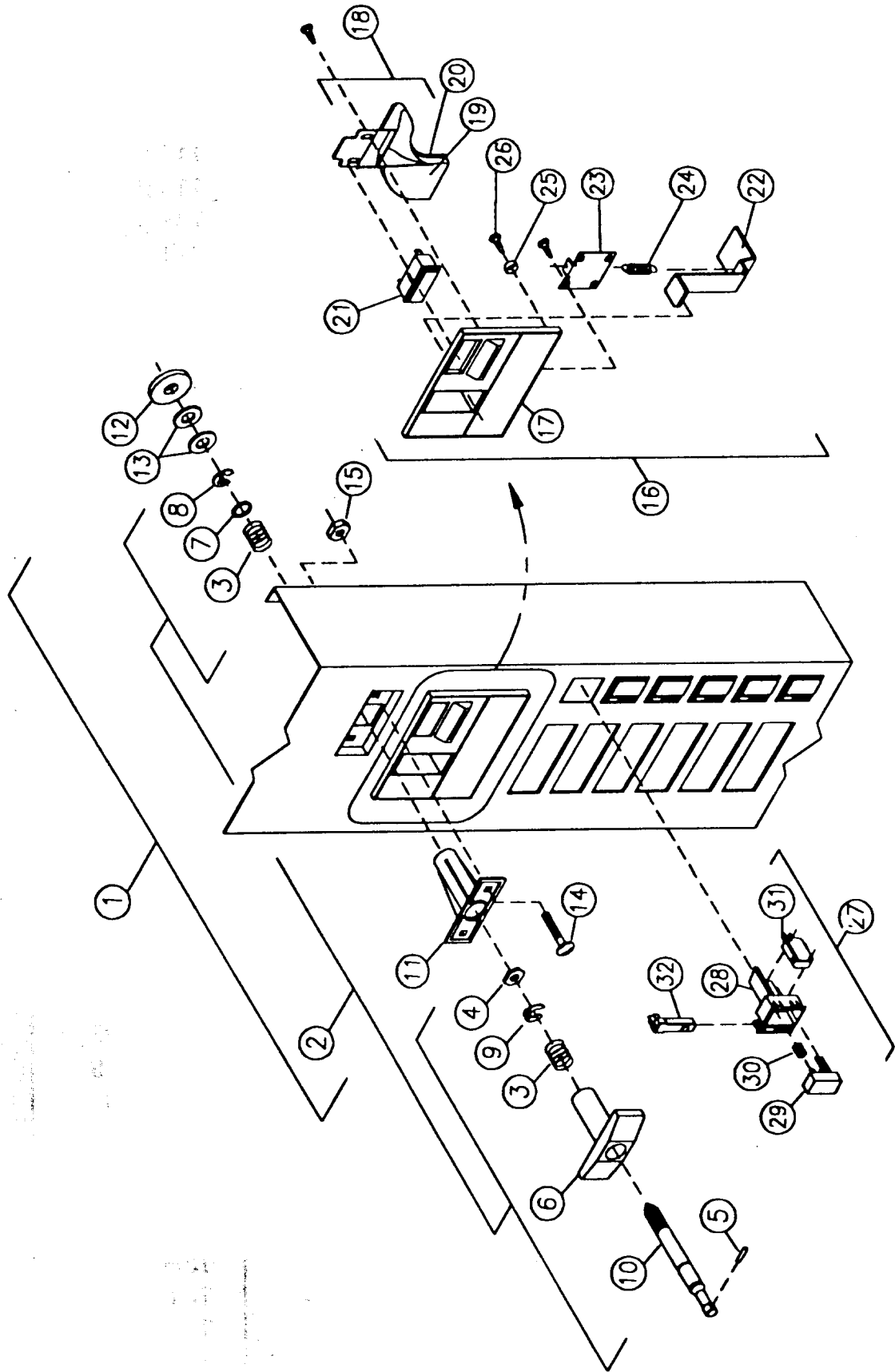




**PARTS LIST
OUTER DOOR ASSEMBLY**

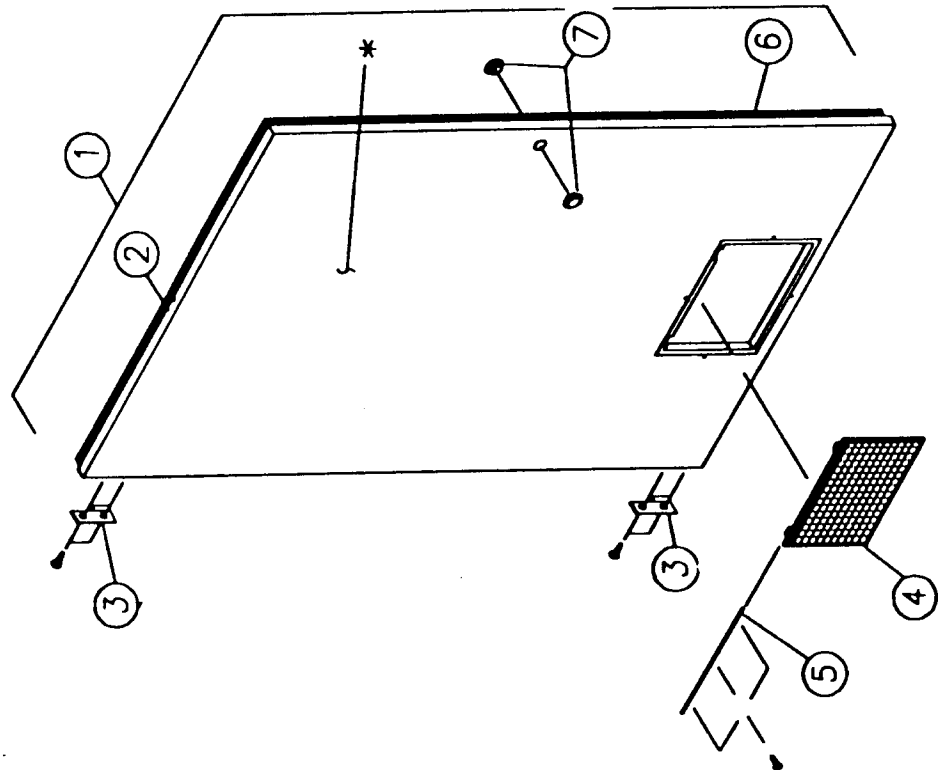
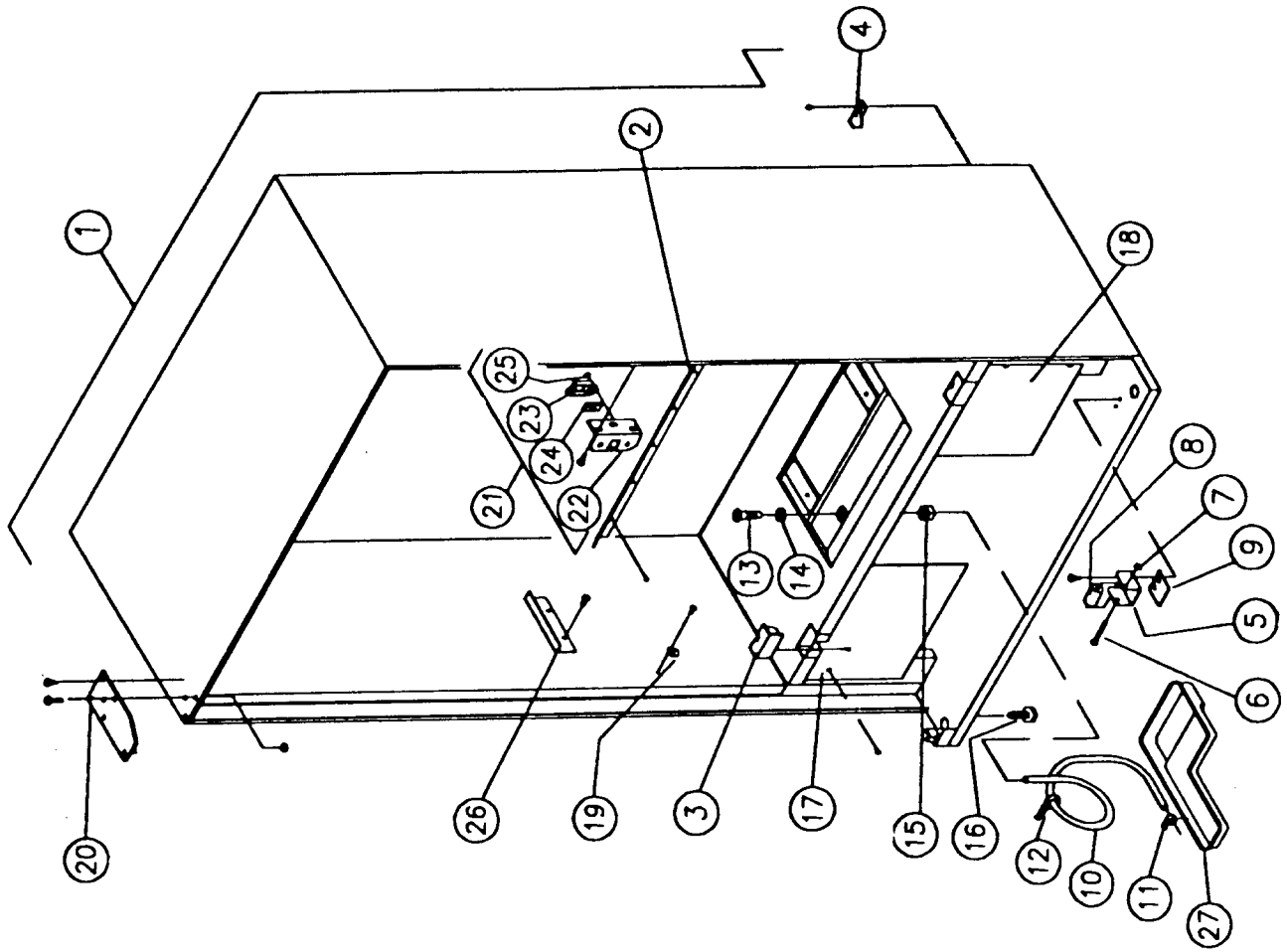
ITEM	DESCRIPTION	PART NO.	QTY.
1	COMPLETE OUTER DOOR ASSEMBLY	7133507-82	1
2	DOOR FRAME W/A	7133459-12	1
3	DOOR GUARD	7133629-4	1
4	HINGE BUSHING	7388094	2
5	HINGE FLAT WASHER	7V801491	2
6	HINGE LEAF INNER DOOR	7388149	2
7	BACKING PLATE	7388443	1
8	TOP HINGE LOCK NUT	7V802062	1
9	PRODUCT HOPPER	738993 1	1
10	HOPPER GUARD	7390292	1
11	VALIDATOR PLUG	7133539-2	1
12	VALIDATOR GASKET	7388846	1
13	EYELET TRIM	7387125	1
14	COIN PLUG/RELAY BRACKET	71008951	1
15	COINAGE MOUNT SCREW	7V800762	3
16	RELAY/COUNTER BRACKET	7390202	1
17	COIN RETURN TRIM	7390017	1
18	COIN RETURN WINDOW	7389790	1
19	WIRE ROUTING CLAMP	7384692-2	3
20	COIN RETURN CUP	7390016	1
21	COIN BOX WELD ASSEMBLY	7134307-7	1
22	INNER DOOR RAMP	71016962	1
23	INNER DOOR BUMPER	7369466-2	1
24	WIRING TIE DOWN	7388359-1	1
25	RAIN CURTAIN FOAM ASSEMBLY	7390024	1
26*	T-HANDLE ASSEMBLY COMPLETE	7135825	1
27*	COIN INSERT ASSEMBLY	7134826	1
28*	SELECTION BUTTON ASSEMBLY	7134827	6
29	DOOR HARNESS W/COUNTER	71009095	1
30	RELAY 24VDC	71009079	1
31	CREDIT RELAY	7353343	1
32	COUNTER 24 VDC	7369016-3	1
33	POWER SUPPLY ASSEMBLY	7134828	1
34	POWER SUPPLY	7390026	1
35	POWER SUPPLY COVER	7390027	1
36	P. C. BOARD STAND OFF	7390031	4
37	TIE WRAP	7342469-1	1
38	FRONT DOOR SIGN	71030221	1
38A	UPPER RIGHT DOOR DECAL	71028227	1
38B	LOWER RIGHT DOOR DECAL	71028243	1

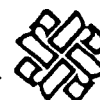
* NOTE: FOR BREAK DOWN OF COMPONENTS SEE PAGE 34



**SELECTION PANEL
PARTS LIST**

ITEM	DESCRIPTION	PART NO.	QTY.
1	COMPLETE T-HANDLE ASSEMBLY	7134825	1
2	T-HANDLE ASSEMBLY	7 134746	1
3	SPRING	7389691	2
4	HEX WASHER	7387600	1
5	PIN	7387601	1
6	T-HANDLE	7387603	1
7	WASHER	7387718	1
8	E-RING RETAINER	7387719	1
9	E-RING RETAINER	7388589	1
10	STUD	7389949	1
11	LATCH HOUSING	7387597	1
12	VAPOR SEAL	7388132	1
13	FLAT WASHER 1/2" I.D.	7V801023	2
14	CARRIAGE BOLT 1/4"	7V801434	2
15	HEX NUT 1/4"	7V800959	2
16	COIN INSERT ASSEMBLY	7134826	1
17	COIN INSERT PLATE	7389950	1
18	COIN INSERT CHUTE ASSEMBLY	7134829	1
19	COIN ENTRANCE CHUTE	7389921	1
20	COIN ENT. CHUTE COVER	7390004	1
21	CORRECT CHANGE LIGHT 24 VOLT	7387124	1
22	SCAVENGER LEVER	7390003	1
23	SCAVENGER LEVER RETAINER	7385265	1
24	SCAVENGER LEVER SPRING	7385786	1
25	CUP WASHER	7337241-1	3
26	SCREW	7V801422	9
27	SELECTION BUTTON ASSEMBLY	7134827	6
28	SELECTION BUTTON HOUSING	71006932	1
29	SELECTION BUTTON	71008919	1
30	SELECTION BUTTON SPRING	7388858	1
31	SWITCH	7368299	1
32	SOLD OUT LIGHT 24 VOLT	7389936	1



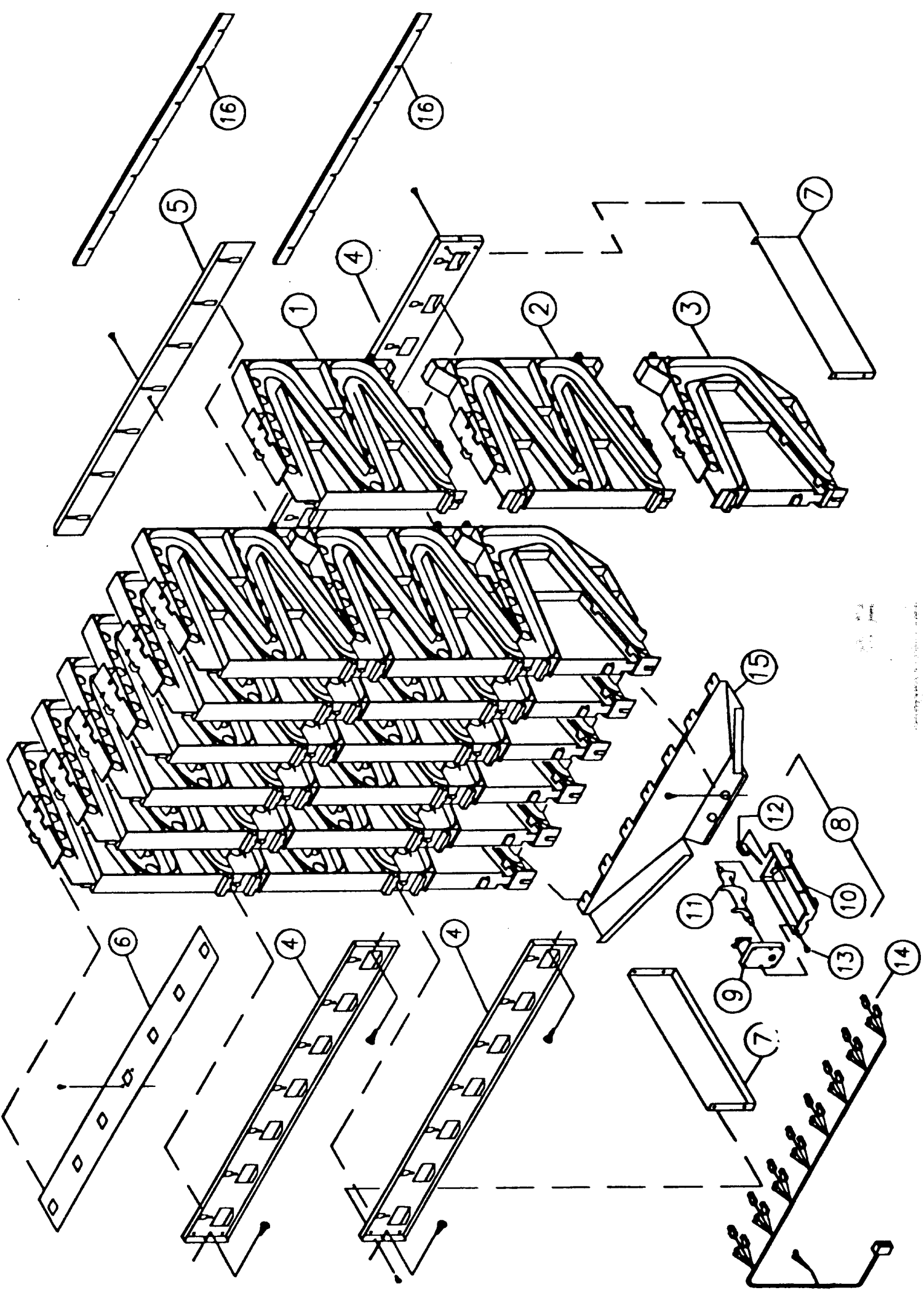


**CABINET ASSEMBLY
PARTS LIST**

ITEM	DESCRIPTION	PART NO.	QTY.
1	CABINET ASSEMBLY	7134869	1
2	AIR DEFLECTOR	7389942	1
3	CLOSURE CAP	7388143	4
4	REFRIGERATION BRACKET	7388387	4
5	DOOR ROLLER BRACKET	7388096	1
6	DOOR ROLLER BOLT	7V802053	1
7	LOCK NUT	7V802054	1
8	DOOR ROLLER	7368656	1
9	DOOR ROLLER SHIM	7388097	2
10	DRAIN TUBING	7340061	1
11	CLAMP (TUBING TO PAN)	7321304	1
12	ADJUSTABLE TUBING STRAP	7342621	1
13	CABINET DRAIN	7388245	1
14	DRAIN GASKET	7387837	1
15	DRAIN NUT	7387925	1
16	LEVELING LEG	7389788	4
17	LEFT AIR DAM	7388403-1	1
18	RIGHT AIR DAM	7388917	1
19	HARNESS CLAMP	7324099-13	1
20	TOP HINGE WELD ASSEMBLY	7134821	1
21	LATCH NUT ASSEMBLY	7134822	1
22	STUD ASSEMBLY BRACKET	7134823	1
23	LATCH NUT CAGE	7388770	1
24	LATCH NUT	7388771	1
25	1/4-20 NUT	7V800959	2
26	STACK MOUNTING BRACKET	7389887	2
27	CONDENSATE PAN	7339840	1

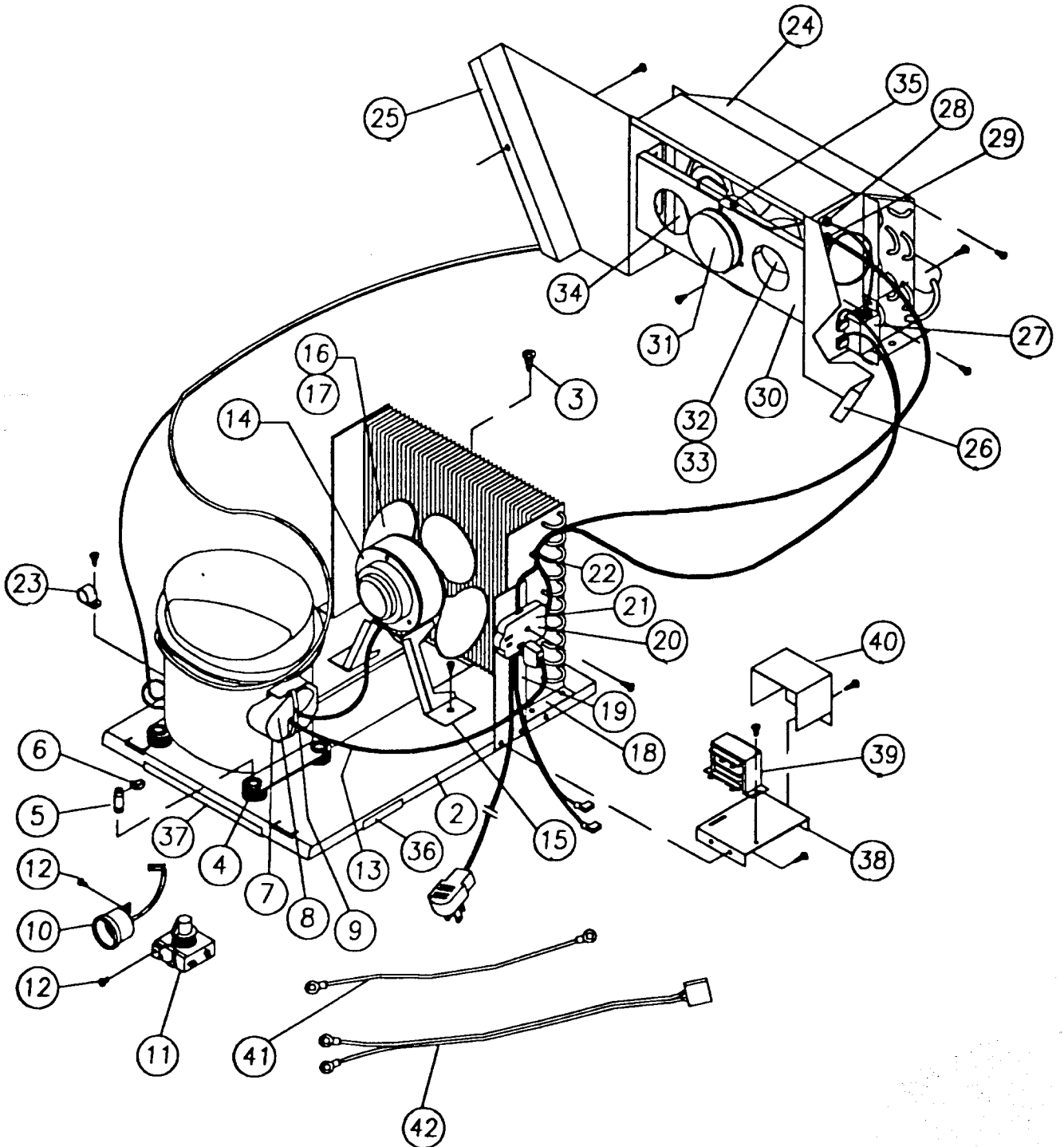
**INNER DOOR ASSEMBLY
PARTS LIST**

ITEM	DESCRIPTION	PART NO.	QTY.
1	INNER DOOR ASSEMBLY	7 134302-3	1
2	FOAMED INNER DOOR PANEL	7133438-1	1
3	INNER DOOR HINGE LEAF	7388148	2
4	DELIVERY DOOR (REVERSIBLE)	71013076	1
5	EYELET DOOR HINGE ROD	7389985	1
6	DOOR GASKET	7389622-3	1
7	GROMMET	7388090	2



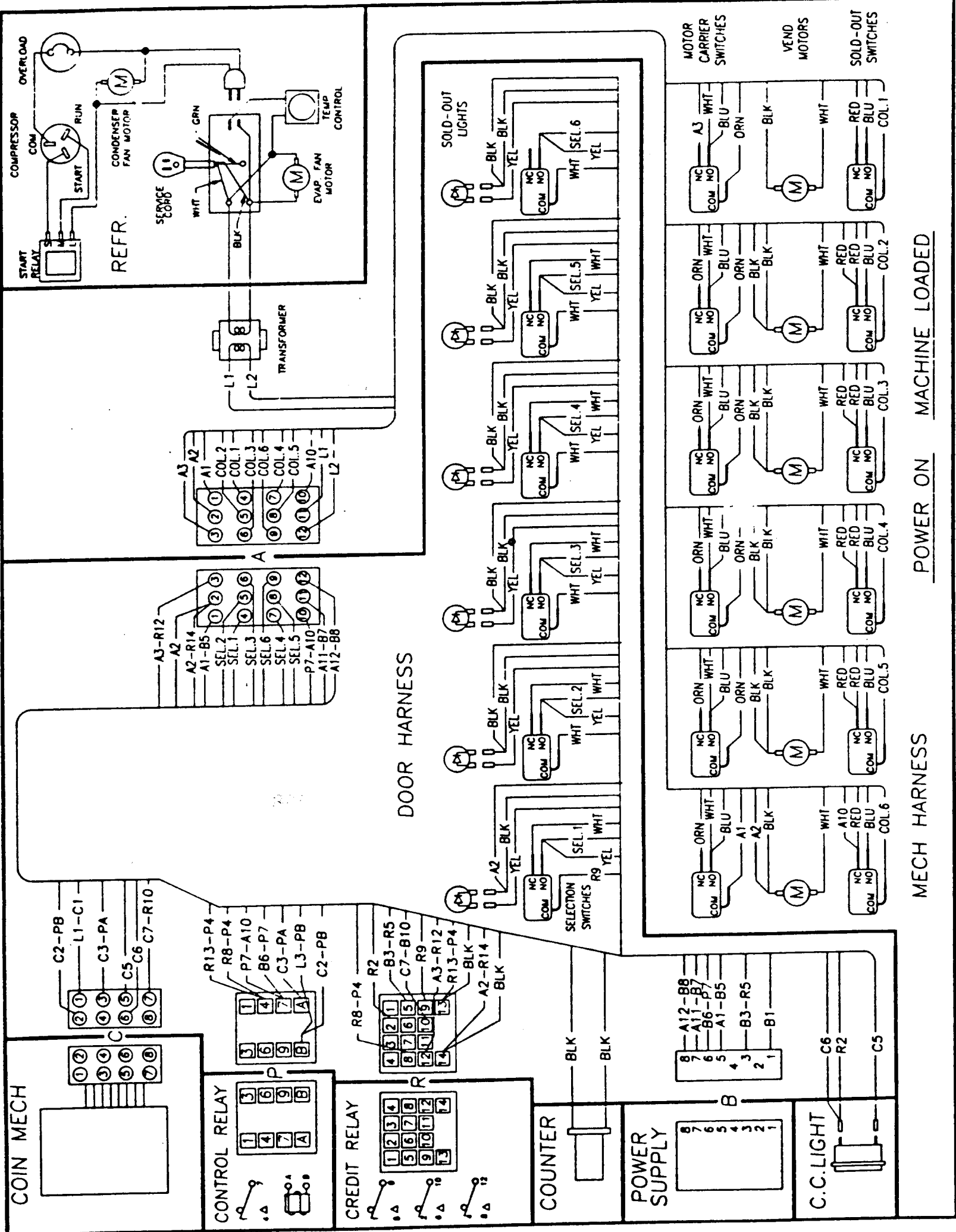
**STACK ASSEMBLY
PARTS LIST**

ITEM	DESCRIPTION	PART NO.	QTY.
1	UPPER PARTITION	7389892	7
2	MIDDLE PARTITION	7389925	7
3	LOWER PARTITION	7389893	7
4	FRONT STRAP	7389927	3
5	REAR STRAP	7389928	1
6	TOP SUPPORT	7389926	1
7	BOTTOM SUPPORT	7389929	2
8	AUGER/MOTOR SUPPORT	7134819	6
9	VEND MOTOR 24 V. DC	7389545	1
10	MOTOR MOUNT	7389895	1
11	AUGER	7389862	1
12	SOLD-OUT SWITCH	7390264	1
13	SCREW	7V801493	2
14	VEND MECH HARNESS	7 134569	1
15	PRODUCT CHUTE	7389937	1
16	TOP AND BOTTOM REAR STRAP	7390256	2



**REFRIGERATION ASSEMBLY
PARTS LIST**

ITEM	DESCRIPTION	PART NO.	QTY.
1	V87 REPLACEMENT REFRIG. SYS.	7132901	1
2	REFRIGERATION BASE	71006703	1
3	REFRIG. HOLD DOWN SCREW	7V801343	1
4	COMPRESSOR MOUNT GROMMET	7323090-1	4
5	COMPRESSOR MOUNT STUD	7390102	2
6	COMPRESSOR MOUNT CLIP	7343874	2
7	OVERLOAD SPRING	7344305	1
8	TERMINAL COVER	7344308	1
9	BALE STRAP	7344306	1
10	OVERLOAD PROTECTOR	745052-28	1
11	START RELAY	7333894-8	1
12	TERMINAL MACHINE SCREW	7V802008	2
13	COMPRESSOR CORD	7344105	1
14	CONDENSER FAN MOTOR	742321-35	1
15	CONDENSER FAN BRACKET	7389797	1
16	CONDENSER FAN BLADE	7389602	1
17	FAN BLADE RETAINER CLIP	7V42323	1
18	CONDENSER MOUNT TINNERMAN	7916923	2
19	SERVICE CORD BRACKET	7390366	1
20	SERVICE CORD	7134754	1
21	CORD EYELET BRASS NUT	7V800892	2
22	WIRE ROUTING CLAMP	7384692-2	1
23	DRIER CLAMP	7324099-3	1
24	EVAPORATOR TOP COVER	7388793	1
25	EVAPORATOR LEFT EXTENSION	7388795	1
26	EVAPORATOR RIGHT EXTENSION	7388795-1	1
27	TEMPERATURE CONTROL	7368794-1	1
28	TEMP. CONTROL PROBE BUSHING	7389747	1
29	EVAP. FAN WIRE BUSHING	7327699-2	1
30	EVAP. FAN MOTOR BRACKET	7320266-1	1
31	EVAPORATOR FAN MOTOR	742321-44	1
32	EVAP. FAN BLADE	744190	1
33	FAN BLADE RETAINER CLIP	7V42323	1
34	EVAP. FAN ORIFICE PLATE	7385434	1
35	TEMP. CONTROL PROBE CLIP	71030612	1
36	SHORT BASE EDGE TRIM	7388304-1	2
37	LONG BASE EDGE TRIM	7388304	1
38	TRANSFORMER BRACKET	7390259	1
39	110/24V STEPDOWN TRANSFORMER	7390005	1
40	TRANSFORMER COVER	7390258	1
41	GROUND WIRE	7113577-3	1
42	POWER HARNESS	7134409-1	1





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