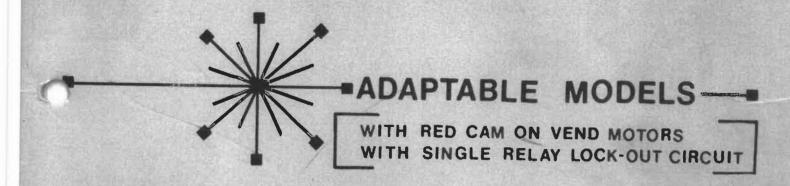
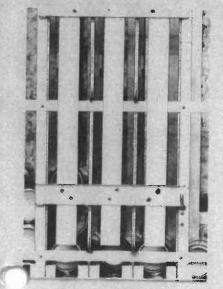


SERVICE MANUAL AND PARTS LIST

001-2327AE thru 850-2374BE 0001-2373CE thru 0750-2393CE

Bottle / Double Depth Can Venders





Dual Red Cam Adaptables

DN 168/99-6
DN 240/138-6
DN 276/162-6
DN 330/189-6
DN 320/184-8
DN 368/216-8
DN 440/252-8



The number 001 - 2327AE on the front cover of the manual is the beginning Serial Number for the Models listed on the front cover.

The number 850 - 2374BE is the ending Serial Number before introducing another Serial Number series which is: Beginning Serial Number 0001 2373CE.

Thus, a Serial Number series ends with Number 850 - 2374BE. The new Serial Number series begins with Number 0001 - 2373CE.

The letter C indicates the quarter of the calendar year in which the Vender was manufactured.

The letter E indicates the calendar year in which the Vender was manufactured.

Thus C = 3rd quarter

E = Year 1980

The date system started in 1976

Thus,

For a given year the first letter is the quarter, ie,

A = First Quarter

B = Second Quarter

C = Third Quarter

D = Fourth Quarter

The second letter is the Year, ie,

A = Year, 1976

B = Year, 1977

C = Year, 1978

D = Year, 1979

E = Year, 1980

F = Year, 1981

G = Year, 1982

H = Year, 1983

I = Year, 1984

J = Year, 1985

- WARRANTY --

Dixie-Narco Warrants to the original purchaser of a Dixie-Narco unit all parts thereof (except light bulbs, fuses, or finish) to be free from defects in material and workmanship, under normal use and service for a period of 15 months from the date of shipment of the unit from either our plant or warehouse.

The term "original purchaser" as used in this warranty shall be deemed to mean that person, firm, association, or corporation to which the machine was sold originally.

Dixie-Narco's obligation under this warranty is limited to repairing or replacing without charge any part which upon our examination and to our satisfaction was defective in material or in workmanship and which failed under normal operating conditions and service.

The hermetically sealed refrigeration system, consisting of the motor compressor, condenser, evaporator and the refrigerant tubing is warranted for a total period of five (5) years and three (3) months from date of shipment.

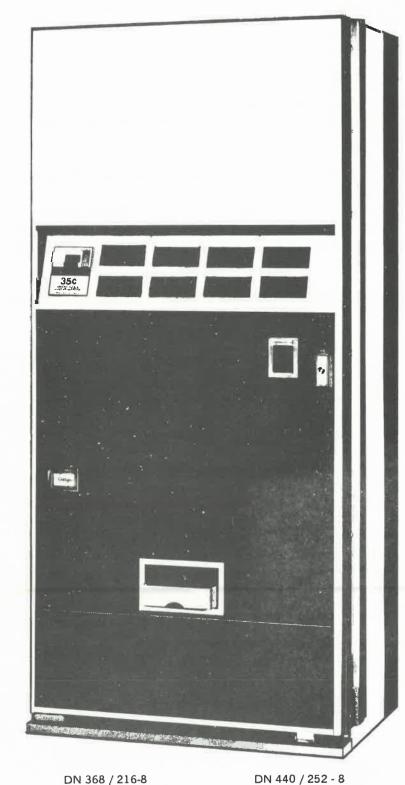
The vend motor is warranted for a total period of five (5) years and three (3) months from date of shipment.

The five year warranty does not apply to any electrical controls, fan motors, overload switches, starting relays, temperature controls, wiring harnesses, cabinet or finish. Dixie-Narco's obligation under this warranty on the sealed refrigeration system referred to above is limited to repairing and returning or replacing at Dixie-Narco's option any unit with a similar unit when upon examination and to our satisfaction it was determined to have been defective. If our examination reveals that the unit is inoperative because of a defective accessory, both cost of repairs and freight charges will be paid by the customer.

Dixie-Narco will pay transportation charges under this warranty on all parts replaced or repaired when transportation has been made in the most economical way. If special handling or special transportation is used or requested, the charges will be paid by the customer.

This warranty only applies to units located within the United States and when operated in normal conditions and with electrical power supplies of 110/120 volts, 60 cycle. Further, the warranty is voided when a unit or any part has been subject to misuse, neglect, alteration without proper authorization, accident, or damage caused by transportation, flood, civil disorder, fire or the Acts of God.

"Return Material Tags," indicating model number of unit, serial number, and explanation of defect, must accompany all returned parts or units. "Return Material Tags" will be furnished upon request.



72 Height: Height: Width: 37-1/16 Width: 26 Depth: Depth: Shipping Wt. 745 lbs. Shipping Wt. 690 lbs. Capacity: Capacity: Can, 12 ox. 368 Bottle, Reg. 216

Can, 12 oz. 440 Bottle, Reg. 252 DN 168 / 99 - 6

56-11/16 Height: 28-5/16 Width: 26 Depth: Shipping Wt. 475 lbs.

Capacity:

Can, 12 oz. 168 Bottle, Reg. 99

DN 240 / 138 - 6

DN 240 / 138 - 6

Height: 66-5/16 28-5/16 Width: Depth: 26 Shipping Wt. 535 lbs. Capacity:

Can, 12 oz. 240

Bottle, Reg. 138

DN 276 / 162 - 6

Height: 72 28 5/16 Width: Depth: 26

Shipping Wt. 585 lbs.

Capacity:

Can, 12 oz. 276 Bottle, Reg. 162

DN 330 / 189 - 6

Height: 79-1/2 Width: 28-5/16 26 Depth: Shipping Wt. 625 lbs.

Capacity:

Can, 12 oz. 330 Bottle, Reg. 189

DN 320 / 184 - 8

Height: 66-5/16 37-1/16 Width: 26 Depth: Shipping Wt. 655 lbs.

Capacity:

Can, 12 oz. 320 Bottle, Reg. 184

79-1/2

37-1/16

CONTENTS

WHAT TO DO WHEN YOU GET A NEW VENDER	
SET IT UP	4
LOAD THE VENDER	5
CHECK IT OUT	6
PUT IT TO WORK	7
HOW THE VENDING MECHANISM WORKS	
ELECTRICAL PARTS	8
STUDY — vending cycle and across the line wiring diagram	14
VEND CYCLE	15
HOW TO TAKE CARE OF THE VENDER	
WHAT TO CLEAN	17
WHEN AND WHAT TO LUBRICATE	
THINGS TO ADJUST	
HOW TO CORRECT COMMON VENDING TROUBLES	25
HOW THE REFRIGERATION SYSTEM WORKS	
MECHANICAL PARTS	28
ELECTRICAL PARTS	2
ELECTRICAL OPERATION	3
ELECTRICAL CIRCUITS AND CIRCUIT DIAGRAMS	
REFRIGERATION CYCLE	
HOW TO TAKE CARE OF THE REFRIGERATION SYSTEM	
WHAT TO CLEAN	40
WHEN AND WHAT TO LUBRICATE	40
CORRECTING TROUBLES	
HOW TO CORRECT COMMON REFRIGERATION TROUBLES	
ACROSS THE LINE DIAGRAM	5
WIRING DIAGRAM	54
PARTS LIST	56

WHAT TO DO WHEN YOU GET A NEW VENDER

- SET IT UP -

KEYS

Keys are tied inside the can/bottle delivery port.

SERIAL NUMBER PLATE

The serial number plate is attached to the left side of the cabinet and to the inner door.

COIN MECHANISM

The coin mechanism is shipped in a separate package.

To install, do this:

- 1. Open the inner door.
- 2. Remove the slug rejector.
- 3. Line the three holes in the coin mechanism with the three screws and push the coin mechanism over the three screws. Let the coin mechanism drop down onto the screws, tighten the screws.
- 4. Reinstall the slug rejector.
- 5. Connect the changer plug to the socket.

APPLICATION OF CUSTOMER INSTRUCTION PLATE

- 1. Clean and dry the surface of the inset in the selector panel.
- 2. Remove the "backing" from the plate (pressure sensitive).
- 3. Apply to the surface of the inset and press or roll firmly in place.

- LOAD THE VENDER -

ADJUSTMENTS

- 1. The Adaptables are shipped set to dispense cans.
- 2. For adjustments, look under "Things to Adjust".

LOAD THE VENDER

- 1. Read thoroughly, "Things To Adjust".
- 2. Adjust for dispensing cans or bottles.
- 3. Load the vender with eight (8) cans or bottles.
- 4. Install coin changer.
- 5. Plug vender "in" Dispense cans or bottles to check vending operation.

WHAT TO DO WHEN YOU GET A NEW VENDER (Cont.)

- LOAD THE VENDER - (Cont.)

OPERATIONAL CHECKS

- 1. Plug service cord into outlet with correct voltage. (See serial number plate.) Do Not use extension cords with less than 16 guage wire.
- 2. The vender must be grounded. If 3 prong outlet is available, plug vender directly into outlet. If 3 prong outlet is not available, plug the vender into 2 prong outlet, using 2 prong adapter. Be sure to ground "pigtail" on adapter.
- 3. Make sure that nothing obstructs air intake at bottom of door. Check rear of cabinet occasionally to be sure that exhaust is not blocked by waste paper, etc.

CARE AND MAINTENANCE

- 1. Exterior cleaning. Wash cabinet periodically with soap and water. Wax often, using a good automotive wax.
- 2. If corrosion occurs on cabinet interior, rub it off with fine steel wool and paint over spot with aluminum paint, or zinc rich.
- 3. Keep condenser clean. Use brush or vacuum cleaner to remove dust accumulation from condenser.

PROPER SELECTION

Selections on the front door selector panel are as in sketch below:

See stack numbering sequence on inside of vender-



WHAT TO DO WHEN YOU GET A NEW VENDER (Cont.)

- CHECK IT OUT -

WHAT TO DO	WHAT SHOULD HAPPEN	WHAT SHOULDN'T HAPPEN
Plug the supply cord in, close the vender door.	The compressor runs. The condenser fan runs. The evaporator fan runs. "Correct change only" window lights.	The refrigerant lines rattle.
Put in correct change.	Push the select button to dispense a can or bottle.	Some cans or bottles are frozen or the next to be vended cans or bottles are above the temperature of 38°F.
Load the money tubes and put a quarter into the vender.	A can or bottle may be dispensed from the vend stack and correct change is returned.	
Fully load the vender with warm cans or bottles and let it run over night, then vend a can or bottle from each vend stack.	The first can or bottle vended has a temperature of 32° to 34° F.	

- PUT IT TO WORK -

SPACE NEEDED

6

Size of the working space needed around the vender is shown on the title page of this manual. DO NOT block the rear of the vender. Keep the vender 4 inches from the wall to provide adequate ventilation for the condenser. Make sure that nothing obstructs air intake at the bottom of the door.

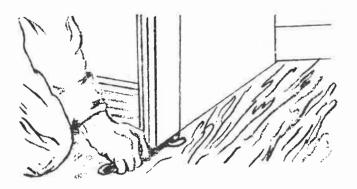
WHAT TO DO WHEN YOU GET A NEW VENDER (Cont.)

- PUT IT TO WORK - (Cont.)

LEVEL THE VENDER

Level the vender. When the vender is level then the door can be opened to any position and it will not move by itself. Try it half closed, straight open and wide open before you decide that the vender is level.

Make sure that all of the leveling screws are touching the floor-



Level The Vender

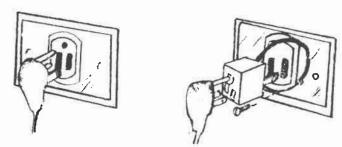
ELECTRIC POWER NEEDED

Look at the serial number plate on the right side to find out what the vender's power needs are. Be sure that the vender gets the right power.

The vender uses 115 volts single phase, either 50 or 60 cycle, alternating current. The voltage must never be lower than 90 or above 125.

GROUND THE VENDER

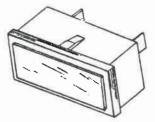
This vender is made with a three prong plug on the supply cord. It grounds when the plug is put into a three prong outlet. If there is no prong outlet near the vender, use a two prong adapter. If a two prong adapter is used, make sure the adapter's ground wire is connected to a good ground.



Ground The Vender

HOW THE VENDING MECHANISM WORKS – ELECTRICAL PARTS –

CORRECT CHANGE LAMP

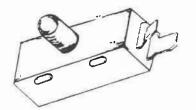


Correct Change Lamp

The correct change tamp is mounted in the coin insert casting and is retained by projections top and bottom.

The correct change lamp is in the coin tube switch circuit and is "ON" when coins are in the tube.

SELECT SWITCH NO. 1, 2, 3, 4, 5 & 6



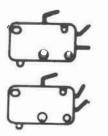
Select Switch

The select switch is located in the selector panel behind the push button and is secured with two (2) screws.

The N.O. contact of the Select Switch is in the Vend Motor Coil and the Sold Out Lamp circuits. This N.O. contact closes and completes the Vend Motor Coil Circuit and the Sold Out Lamp Circuit.

The N.C. contact of the Select Switch is in the Vend Motor Coil Circuits. This N.C. contact opens in the Select Panel Circuit.

LAMP SOLD OUT SWITCH 1, 2, 3, 4, 5 & 6



Lamp Sold Out Switch

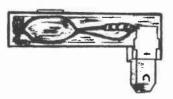
The lamp sold out switch (one for each vending circuit) is located near the bottom of the column at the front and is fastened with screws.

The N.C. contact of the (lamp) sold out switch is in the Vend Relay Coil Circuit and the Coin Changer Magnet Circuit. This N.C. contact (kept closed by can or bottle) is in parallel with all of the other N.C. contacts of the Lamp Sold Out Switches and when all are open, the coin changer magnets are turned off and the changer will not accept coins.

The N.O. contact of the (Lamp) sold out switch is in the sold out lamp circuit (kept open by can or bottle). When not kept open by can or bottle, this N.O. contact closes and completes the sold out lamp circuit.

- ELECTRICAL PARTS - (Cont.)-

SOLD OUT LAMPS

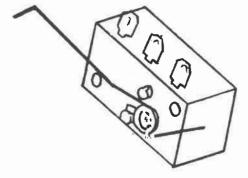


Sold Out Lamp

The sold out lamp (one for each vending circuit) is secured to the back of the select button in the Selector Panel.

The sold out lamp is turned on by the closing of the N.O. contacts of the lamp sold out switch.

COIN VEND SWITCH (Coin Changer)



Coin Vend Switch

The coin vend switch is located below the slug rejector and is fastened to the coin changer housing with two (2) screws and nuts.

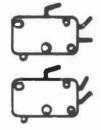
The N.O. contact of the coin vend switch is in the vend relay coil and the coin changer magnet circuits. This N.O. contact closes and completes the vend relay coil circuits.

The N.C. contact of the coin vend switch is in the select relay coil circuits. This N.C. contact closes in the select relay coil circuits to set up these circuits so that a selection can be made.

HOW THE VENDING MECHANISM WORKS (Cont.)

- ELECTRICAL PARTS - (Cont.)

VEND SOLD OUT SWITCH 1, 2, 3, 4, 5 & 6



Sold Out Switch

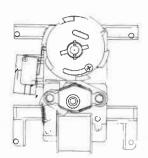
The vend sold out switch (one for each vending circuit) is located on a bracket at the base of each vend stack.

The N.C. contact of the vend sold out switch is in the Vend Motor Circuit. This N.C. contact (held closed by can or bottle) stays closed in the vend motor circuit so the Vend Motor Circuit can be completed.

ELECTRICAL PARTS (Cont.)

VEND MOTOR





For Narrow Column

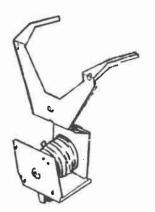
VEND MOTOR

For Standard Column

The vend motor (one for each vending stack) is mounted on a bracket at the front of the vender.

The vend motor is in the vend motor coil circuit. The vend motor runs when a N.O. select switch (pushed) closes and completes the vend motor circuit. The vend motor continues to run through the N.C. contact (worked by the vend motor cam) of the cam hold switch. The vend motor stops when the vend motor switch arm drops off of the high side of the vend motor cam.

MAGNETS (Coin Changer)



Coin Return Magnet

The magnets are in the coin changer behind the coin rejector.

The magnets N.O. and N.C. are in the Vend Realy Coil Circuit. The coin changer magnet are turned off when the N.C. Vend Relay Switch No. 1 opens and breaks the coin changer magnet circuit.

HOW THE VENDING MECHANISM WORKS (Cont.)

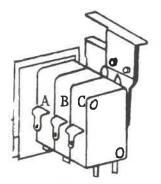
ELECTRICAL PARTS (Cont.)

VEND MOTOR SWITCH

A. Is Vend Motor Switch

B. Is Cam-Hold Switch

C. Is By-Pass Switch



The Vend Motor, the Cam-Hold and the By-Pass switches are together and do not come apart. The Vend Motor Switch, one (1) for each circuit, is located on the Vend Motor Assembly secured by two (2) screws.

The N.C. contact of the Vend Motor Switch is in the Coin Changer Circuit. This N.C. contact opens in the Coin Changer Circuit.

The N.O. contact of the Vend Motor Switch is in the Vend Motor Coin Circuit. This N.O. contact closes in the Vend Motor Coil Circuit to keep the Vend Motor running until the arm of the Vend Motor Switch drops into the cam notch and the Vend Motor stops.

CAM HOLD SWITCH

The Vend Motor, Cam-Hold and the By-Pass switches are together and do not come apart. The Cam-Hold switch, one (1) for each circuit, is located on the Vend Motor Assembly secured to a bracket by two (2) screws. This is in the vend motor circuit.

The N.O. contact of the Cam-Hold switch (held closed by the vending cam) is in the Vend Motor circuit. Shortly after the beginning of the vending cycle the arm of the switch (worked by the vending cam) drops into the cam notch and this N.O. contact opens in the circuit to the Select Panel.

When the arm of the switch reaches top side of cam this N.O. contact closes in the circuit to the Select Panel and is still closed at end of the vending cycle.

When the arm of the switch drops into the cam notch, the N.C. contact closes in the Vend Motor Coil Circuit to keep the Vend Motor running. When the arm of the switch reaches top side of cam, this N.C. contact opens in the Vend Motor circuit and is still open at end of the vending cycle.

BY-PASS SWITCH

The Vend Motor, the Cam-Hold and the By-Pass switches are together and do not come apart. The By-Pass Switch, one (1) for each circuit, is located on the Vend Motor Assembly secured by two (2) screws. This switch is a by-pass around the Vend Motor Switch to keep the Coin Changer circuit closed if the Vend Motor stops or is stopped when the arm of the Vend Motor Switch is top side of the vending cam, ie, all other vending circuits are operative.

ELECTRICAL PARTS (Cont.)

BY-PASS SWITCH (Cont.)

The N.O. contact of the By-Pass Switch, there is no N.C. (held closed by the vending cam), is in the Coin Changer Circuit. Shortly after the beginning of the vending cycle, the arm of the switch (worked by the vending cam) drops into the Cam notch and this N.O. contact opens in the Coin Changer Circuit. When the arm of the switch reaches top-side of cam this N.O. contact closes in the Coin Changer circuit and is still closed at end of the vending cycle.

VEND RELAY

VEND RELAY SWITCH NO. 1 N.C. (There is no N.O.)

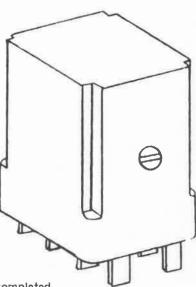
The N.C. contact of Vend Relay Switch No. 1 is the Coin Changer Circuit. This N.C. contact opens and breaks the Coin Changer Magnet Circuit.

VEND RELAY SWITCH NO. 2 N.O. (There is no N.C.)

The N.O. contact of Vend Relay Switch No. 2 is in each of the Vend Motor Coil Circuits. This N.O. contact closes in the Vend Motor Coil Circuits to set up these circuits so that a selection can be made.

VEND RELAY NO. 3 N.O. (There is no N.C.)

The N.O. contact of Vend Relay Switch No. 3 is in the Vend Relay Coil Circuit. This N.O. contact closes in and keeps the Vend Relay Coil Circuit completed.



	1	X	I	E	-	NΛ	R(X
--	---	---	---	---	---	----	----	---

VENDING CYCLE AND

Study-

ACROSS THE LINE WIRING DIAGRAM

Study the written vending cycle beginning on Page 47 in connection with the across the line wiring diagram. The Across the Line Wiring Diagram can serve as an excellent "trouble shooting chart."

Example: Vender accepts coin.

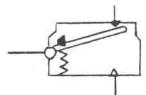
Vend relay is energized but immediately "pops" out.

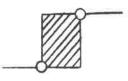
Do this: Look at Across The Line Wiring Diagram and locate:

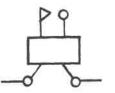
1. coin vend switch

2. vend relay

3. vend relay switch No. 1







Observations:

- 1. Vend relay coil is the affected circuit.
- 2. N.O. coin vend switch is in the vend relay coil circuit.
- 3. N.O. Vend Relay Switch No. 1 is also in the vend relay coil circuit.
- 4. N.O. Vend Relay Switch No. 3 is the "holding switch" for this circuit.

Conclusions:

1. N.O. Vend Relay Switch No. 1 did not "hold" or keep the circuit closed.

WHY:

Check:

- 1. Gap between contacts (too far apart).
- 2. Dirt between contact.
- 3. Weak coil on Vend Relay.

*- VEND CYCLE - (Cont.)

WHAT DOES IT	WHAT HAPPENS			
The Vending Cam A coin	Pushes the coin vend switch arm down and;			
The N.O. contact of the coin vend switch	Closes and completes the vend relay coil circuit.			
The Vend Relay Coil	Closes the N.O. contact of Vend Relay Switch #3 in the Vend Relay Coil Circuit and at the same time,	Opens the N.C. contact of Vend Relay Switch No. 1 in the Coin Changer Magnet Circuit and at the same time,		
	Closes the N.O. Contact of vend relay switch No. 2 in the vend motor coil circuits and closes & completes the sequence relay coil circuit.			
A spring (in the coin vend switch)	Pulls the vend switch arm back up and,			
The N.C. contact of the coin vend switch	Closes in the Vend motor coil circuit,			
The customer	Pushes a select button			
The select button	Works the N.O. contact of the select switch			
The N.O. contact of the select switch	Closes and completes the vend motor co	oil and the sold out lamp circuit, and		
The vend motor	Starts to run and at the same time,			
The N.C. contact of the select switch	Opens in the select panel circuit and at	the same time		
The Vending Cam	Works the arm of the cam hold switch the arm drops into the cam's notch			
The N.O. contact of the Cam Hold Switch (held closed by cam)	Opens in the Select Panel Circuit and opens and breaks the Sequence Relay Coil circuit and at the same time,			
The N.C. contact of the Cam Hold switch	Closes in the Vend Motor Coil Circuit to keep the motor turning and at the same time ,			

*Refer to Across the Line Wiring Diagram:

C7300.05 or D7220.05



HOW THE VENDING MECHANISM WORKS (Cont.)

*- VEND CYCLE - (Cont.)

WHAT DOES IT	WHAT HAPPENS
The Vending Cam	Works the arm of the by-pass switch the arm drops into the cam's notch and,
The N.O. contact of the by-pass switch (held closed by cam)	Opens in the Coin Changer Circuit and,
The Vending Cam	Works the arm of the vend motor switch the arm rises to high side of cam and
The N.O. contact of the Vend Motor Switch	Closes in the Vend Motor Coil Circuit to keep the Vend Motor running and at the same time
The N.C. contact of the Vend Motor Switch	Opens and breaks the vend relay coil circuit and,
The N.O. contact of Vend Relay Switch #3	Opens in the vend relay coil circuit and at the same time,
The N.C. contact of Vend Relay Switch #1	Closes in the Coin Changer circuit and the arm of the by-pass switch and the cam hold switch ride to high side of cam and,
The N.O. contact of Vend Relay Switch #2	Opens in the Vend Motor Coil Circuits and rapidly thereafter
The N.O. contact of the by-pass switch	Closes in the Coin Changer Circuit and at the same time.
The N.O. contact of the Cam hold switch	Closes in the Select Panel Circuit and at the same time.
The N.C. contact of the Cam hold switch	Opens in the Vend Motor Coil Circuit and,
The Vending Cam	Continues to work the arm of the vend motor switch and the arm drops into the cam notch and
The N.O. contact of the Vend Motor Switch	Opens and breaks the Vend Motor Coil Circuit the Motor stops and the oscillator stops and,
The N.C. contact of the Vend Motor Switch	Closes in the Coin Changer Circuit.

*Refer to Across the Line Wiring Diagram: C7300.05 or D7220.05

HOW TO TAKE CARE OF THE VENDER

- WHAT TO CLEAN -

CABINET

Wash the vender exterior with either soap and warm water or a good detergent and warm water.

Wash all plastic parts with a mild soap and warm water.

The vender should be waxed often with a good grade of automobile wax.

Any corrosion inside the vender should be removed with fine steel wool and the area should be painted with aluminum paint.

Keep the condenser clean.

SLUG REJECTOR

Use a clean cloth to remove loose dirt. A dirty rejector should be cleaned with hot water and a good detergent. Dry it with a clean cloth.

Lubricate only the moving parts of the slug rejector. Oil should not be used on these moving parts.

- WHEN AND WHAT TO LUBRICATE -

HOW OFTEN	PART	LUBRICANT
Every six months Every year Every six months	Main Door 1. Lock bolt and nut retainer 2. Hinge pivot points 3. Door gasket, hinge side Inner Door 1. Latch assembly 2. Hinge pivot points	Mechanics Friend Mechanics Friend Slipicone Mechanics Friend Mechanics Friend

HOW TO TAKE CARE OF THE VENDER (Cont.)

- THINGS TO ADJUST - (Cont.)

TEMPERATURE CONTROL - Ranco No. A12-1558

Cutler Hammer No. 9531N43

This is a "Constant Cut In" type of control which has two (2) adjustments: They are:

- 1. The temperature control cam on the outside of the temperature control box.
- 2. The inside range screw which is under the fibre cover of the temperature control box of the RANCO, and on the side wall of the Cutler Hammer (near terminal cover).

NOTE: The differential screw located between the terminals of the control is sealed and MUST NOT BE CHANGED.

As to No. 1 Adjustment:

The temperature control cam is set in an approximate neutral position. It can be used to make <u>cut out</u> temperature colder by turning the cam <u>clockwise</u> - or - to make the <u>cut out</u> temperature warmer by turning the cam <u>counter clockwise</u>. When the cam is used the <u>cut in</u> temperature (which governs the defrost) remains <u>constant</u>.

As to No. 2 Adjustment:

The inside range screw or screws are used for the altitude adjustment, see altitude below. This screw adjusts both the <u>cut out</u> and <u>cut in</u> settings on the RANCO. It may also be used for colder temperatures by turning the screw <u>counter clockwise</u> or warmer by turning screw <u>clockwise</u>.

On the Cutler Hammer there are two (2) screws provided, one (1) for <u>cut in</u> and one (1) for <u>cut out</u>, both must be adjusted for altitude corrections. For temperature adjustment, turn screws <u>clockwise</u> for colder and <u>counter clockwise</u> for warmer. When adjusting for temperature <u>DO NOT TURN</u> more than 1/8 of a turn at a time. Let the machine run over night before making further adjustment.

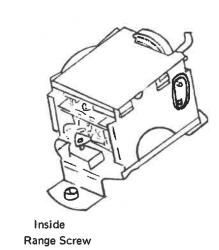
TEMPERATURE CONTROL ALTITUDE ADJUSTMENT

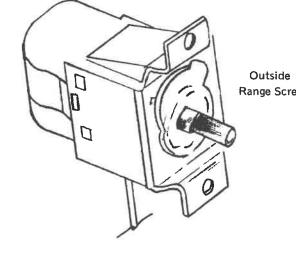
Control is factory set at altitude of 500 ft. For higher altitudes, control should be adjusted to prevent freeze-up of product. Adjust inside range screw as follows:

ALTITUDE FT;	RANCO SCREW CLOCKWISE	CUTLER—HAMMER BOTH SCREWS COUNTER—CLOCKWISE
2000	¼ turn	1/8 turn
4000	½ turn	¼ turn
6000	¾ turn	½ turn
8000	1 turn	5/8 turn

- THINGS TO ADJUST - (Cont.)

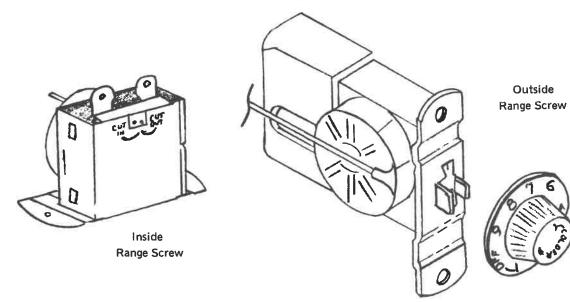
RANCO TEMPERATURE CONTROL





Range Screw

CUTLER -- HAMMER



- THINGS TO ADJUST - (Cont.)

BOTTLE AND CAN ADJUSTMENTS STANDARD COLUMN LOADING INSTRUCTIONS

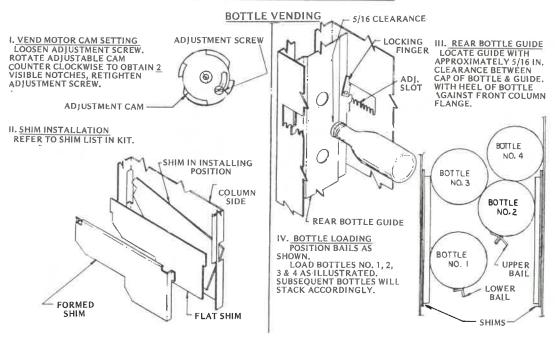


FIG. 1

STANDARD COLUMN LOADING INSTRUCTIONS

12 OZ. CAN VENDING I. VEND MOTOR CAM SETTING LOOSEN ADJUSTMENT SCREW ROTATE ADJUSTABLE CAM* CLOCKWISE TO OBTAIN 4 VISIBLE NOTCHES, RETIGHTEN ADJUSTMENT SCREW... ADJUSTMENT SCREW 0 ADJUSTABLE CAM II. CAN LOADING POSITION BAILS AS SHOWN. LOAD CANS NO. 1, 2, 3, & 4 AS SHOWN, IN BOTH FRONT AND REAR OF COLUMN. CAN No. 4 CAN No. 3 OF COLUMN. FRONT & REAR MUST BE BE LOADED EVENLY. ANY EXTRA CANS MAY BE PLACED IN REAR. SHIMS AND REAR GUIDES ARE NOT REQUIRED WHEN VENDING 12 OZ. CANS. CAN No. 2 CAN L_{UPPER} BAIL LOWER BAIL

FIG. 2

DIXIE-NARCO

THINGS TO ADJUST - (Cont.)

BOTTLE AND CAN ADJUSTMENTS

NARROW COLUMN

BOTTLE VENDING 1. VEND MOTOR CAM SETTING LOOSEN ADJUSTMENT SCREW. ROTATE ADJUSTABLE CAM CLOCKWISE TO OBTAIN 1 VISIBLE NOTCH. TIGHTEN ADJUSTMENT SCREW IV. REAR BOTTLE GUIDE INSTALLATION SEE ILLUSTRATION OF WIDER COLUMN LOADING INSTRUCTIONS. LOCATE GUIDE WITH APPROXIMATELY 5/16 IN. CLEARANCE BETWEEN CAP OF BOTTLE & GUIDE, WITH HEEL OF BOTTLE APPROXIMATELY ½IN. FROM FRONT COLUMN FLANGE. Ø ADJUSTMENT SCREW ADJUSTABLE CAM V. BOTTLE ROD INSTALLATION POSITION ROTOR AS SHOWN AT LEFT BELOW. REFER TO BOTTLE ROD LIST IN KIT. II. REMOVE EXISTING CAN SHIMS III. BOTTLE SHIM INSTALLATION REFER TO SHIM LIST IN KIT. ROD BOTTLE RIGHT COLUMN SIDE MOUNTING, HOLES NO. 3 SHIM IN INSTALLING POSITION ROD IN INSTALLING POSITION FLAT SHIM BOT,TLE NO.2 SHIMS BOTTLE VI. BOTTLE LOADING POSITION ROTOR AS SHOWN AT RIGHT. LOAD BOTTLES NO 1, 2, 3 AS ILLUSTRATED SUBSEQUENT BOTTLES WILL STACK ACCORDINGLY. NO. I FORMED NOTE: BOTTLE SHIMS ARE PLACED ON RIGHT SIDE ONLY.

FIG. 3

LOADING INSTRUCTIONS

NARROW COLUMN

12 OZ. CAN VENDING

I. VEND MOTOR CAM SETTING LOOSEN ADJUSTMENT SCREW, ROTATE ADJUSTABLE CAM COUNTER CLOCKWISE TO OBTAIN 2 VISIBLE NOTCHES. TIGHTEN ADJUSTMENT SCREW. ADJUSTMENT SCREW

II. CAN SHIM INSTALLATION

LEFT COLUMN

0 ADJUSTABLE CAM

III. CAN LOADING
POSITION ROTOR AS
SHOWN BELOW. LOAD CANS
NO. 1, 2, & 3 AS ILLUSTRATED
IN BOTH FRONT AND REAR
OF COLUMN. FRONT AND
REAR MUST BE LOADED
EVENLY. ANY EXTRA CANS
MAY BE PLACED IN REAR!

ROTOR-

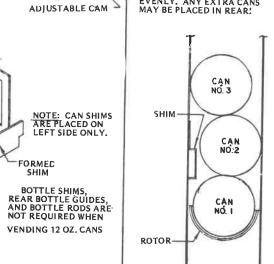


FIG. 4

FORMED

THINGS TO ADJUST (Cont.)

BOTTLE AND CAN ADJUSTMENTS (Cont.)

Shim Requirements

	WIDE CO	OLUMN	NARROW COLUMN	
	SHIMS	REQ'D	SHIMS REQ'D	
			L. RIGHT SIDE	
RETURNABLE BOTTLES	FORME	D FLA	FORMED FLAT	RODS REQUIRED
6 1/2 oz. Coca-Cola	1	2	1 4	1 in A*, 1 in C
6 1/2 oz. Dr Pepper	1	4	1 4	1 in A*, 1 in C
7 oz. Sprite, Tab, Fanta	1	1	1 4	l in A*, 1 in C
7 oz. Seven-Up	1	3	Use Wide Columns	
8 oz. Nu Grape	1	5	1 4	1 in A*, 1 in C
8 oz. Pepsi-Cola	1-	1	1 4	1 in A*, 1 in C
10 oz. Nehi	1	3	1 4	1 in A*, 1 in C
10 oz. Coca-Cola	1	1	1. 4	1 in A*, 1 in C
10 oz. Sprite, Tab, Fanta	1	1	1 4	1 in A*, 1 in C
10 oz. Pepsi	1	1	1 4	1 in A*, 1 in C
10 oz. Dr Pepper	1	1	1 4	1 in A*, 1 in C
10 oz. Seven-Up	1	1	1 4	1 in A*, 1 in C
10 oz. Royal Crown Cola	1	1	1 4	1 in A*. 1 in C
10 oz. Diet Dr Pepper	1	1	1 4	1 in A*, 1 in C
10 oz. Diet Rite Cola	1	1	1 4	1 in A*, 1 in C
12 oz. Coca-Cola	0	0	1 0	1 in B
12 oz. Sprite, Tah, Fanta	0	0	1 0	1 in B
12 oz. Royal Crown Cola	0	0	1 0	1 in B

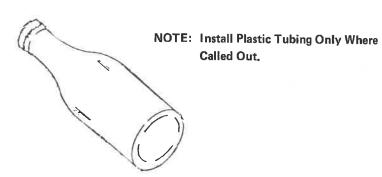
10 oz. Coca-Cola B Bottle 0 3 1 2 1 in B 10 oz. Coca-Cola C & A Bottles 1 0 1 2 1 in B 10 oz. Dr Pepper (Embossed Label) 1 0 1 2 1 in B 10 oz. Seven-Up (Embossed Label) 1 0 1 2 1 in B 10 oz. Pepsi-Cola (Embossed Label) 1 0 1 2 1 in B 10 oz. Paper Label 2 3/8" Dia. 7 3/4" High 1 0 1 4 1 in A*, 1 in C 10 oz. Mountain Dew 1 0 1 2 1 in B		WIDE CO	LUMN	NARROV	V COLUMN	
NON-RETURNABLE BOTTLES FORMED FLAT FORMED FLAT RODS REQUIRED 10 oz. Coca-Cola B Bottle 0 3 1 2 1 in B 10 oz. Coca-Cola C & A Bottles 1 0 1 2 1 in B 10 oz. Dr Pepper (Embossed Label) 1 0 1 2 1 in B 10 oz. Seven-Up (Embossed Label) 1 0 1 2 1 in B 10 oz. Pepsi-Cola (Embossed Label) 1 0 1 2 1 in B 10 oz. Paper Label 2 3/8" Dia. 7 3/4" High 1 0 1 4 1 in A*, 1 in C 10 oz. Mountain Dew 1 0 1 2 1 in B		SHIMS F	REQ'D	SHIMS	REQ'D	
10 oz. Coca-Cola B Bottle 0 3 1 2 1 in B 10 oz. Coca-Cola C & A Bottles 1 0 1 2 1 in B 10 oz. Dr Pepper (Embossed Label) 1 0 1 2 1 in B 10 oz. Seven-Up (Embossed Label) 1 0 1 2 1 in B 10 oz. Seven-Up (Embossed Label) 1 0 1 2 1 in B 10 oz. Pepsi-Cola (Embossed Label) 1 0 1 2 1 in B 10 oz. Paper Label 2 3/8" Dia. 7 3/4" High 1 0 1 4 1 in A*, 1 in C 10 oz. Mountain Dew 1 0 1 2 1 in B	F	EACH SIDE	OF COL.	RIGH	T SIDE	
10 oz. Coca-Cola C & A Bottles 1 0 1 2 1 in B 10 oz. Dr Pepper (Embossed Label) 1 0 1 2 1 in B 10 oz. Seven-Up (Embossed Label) 1 0 1 2 1 in B 10 oz. Seven-Up (Embossed Label) 1 0 1 2 1 in B 10 oz. Pepsi-Cola (Embossed Label) 1 0 1 2 1 in B 10 oz. Paper Label 2 3/8" Dia. 7 3/4" High 1 0 1 4 1 in A*, 1 in C 10 oz. Mountain Dew 1 0 1 2 1 in B	NON-RETURNABLE BOTTLES	FORMED	FLAT	FORMED	FLAT	RODS REQUIRED
10 oz. Coca-Cola C & A Bottles 1 0 1 2 1 in B 10 oz. Dr Pepper (Embossed Label) 1 0 1 2 1 in B 10 oz. Seven-Up (Embossed Label) 1 0 1 2 1 in B 10 oz. Seven-Up (Embossed Label) 1 0 1 2 1 in B 10 oz. Pepsi-Cola (Embossed Label) 1 0 1 2 1 in B 10 oz. Paper Label 2 3/8" Dia. 7 3/4" High 1 0 1 4 1 in A*, 1 in C 10 oz. Mountain Dew 1 0 1 2 1 in B			_	_		
10 oz. Dr Pepper (Embossed Label) 1 0 1 2 1 in B 10 oz. Seven-Up (Embossed Label) 1 0 1 2 1 in B 10 oz. Pepsi-Cola (Embossed Label) 1 0 1 2 1 in B 10 oz. Paper Label 2 3/8" Dia. 7 3/4" High 1 0 1 4 1 in A*, 1 in C 10 oz. Mountain Dew 1 0 1 2 1 in B		()		1		
10 oz. Seven-Up (Embossed Label) 1 0 1 2 1 in B 10 oz. Pepsi-Cola (Embossed Label) 1 0 1 2 1 in B 10 oz. Paper Label 2 3/8" Dia. 7 3/4" High 1 0 1 4 1 in A*, 1 in C 10 oz. Mountain Dew 1 0 1 2 1 in B		1	0	.1		
10 oz. Pepsi-Cola (Imbossed Label) 1 0 1 2 1 in B 10 oz. Paper Label 2 3/8" Dia. 7 3/4" High 1 0 1 4 1 in A*, 1 in C 10 oz. Mountain Dew 1 0 1 2 1 in B			0	1	2	1 in B
10 oz. Paper Label 2 3/8" Dia. 7 3/4" High 1 0 1 4 1 in A*, 1 in C 10 oz. Mountain Dew 1 0 1 2 1 in B	10 oz. Seven-Up (Embossed Labe	el) 1	0	1	- 2	1 in B
7 3/4" High 1 0 1 4 1 in A*, 1 in C 10 oz. Mountain Dew 1 0 1 2 1 in B			0	1	2	1 in B
10 oz. Mountain Dew 1 0 1 2 1 in B	10 oz. Paper Label 2 3/8" Dia.					
10 oz. Mountain Dew 1 0 1 2 1 in B	7 3/4" High	1 1	0	1	4	1 in A*, 1 in C
10 oz Sprito C Pottlo 1 0 1 2 1 in D	10 oz. Mountain Dew	1	0	1	2	
10 02. Sprite Chottle 1 0 1 2 1 11 h	10 oz. Sprite C Bottle	1	0	1	2	1 in B
10 oz. Tab C Bottle 1 0 1 2 1 in B	10 oz. Tab C Bottle	1	0	1	2	1 in B
10 oz. Fresca C Bottle 1 0 1 2 1 in B		1	0	1	2	1 in B
10 oz. Crass Orange C Bottle 1 0 1 2 1 in B	10 oz. Crass Orange C Bottle	1	0	1	2	1 in B
10 oz. Tropicana Fruit Drink 0 2 1 0 1 in B	10 oz. Tropicana Fruit Drink	0	2	1	0	1 in B
10 oz. Sprite B Bottle 0 5 1 2 1 in B	10 oz. Sprite B Bottle	()	3	1		1 in B
10 oz. Tab B Bottle 0 3 1 2 1 in B	10 oz. Tab B Bottle	0	3	1	2	1 in B
10 oz. Fresca B Bottle 0 3 1 2 1 in B	10 oz. Fresca B Bottle	0	3	1	2	1 in B
10 oz. Mello Yello B Bottle 0 3 1 2 1 in B	10 oz. Mello Yello B Bottle	0	3	1	2	1 in B
10 oz. Crass Orange B Bottle 0 3 1 2 1 in B	10 oz. Crass Orange B Bottle	0	3	1	2	1 in B
16 oz. Contact Dixie-Narco	16 oz.	Conta	ct Dixie	-Narco		

^{*}SLIDE 17/32" OD PLASTIC TUBING ON "A" ROD BEFORE INSTALLING. PULL BACK TOWARDS HEEL OF BOTTLE AFTER ROD IS IN PLACE.

THINGS TO ADJUST (Cont.)

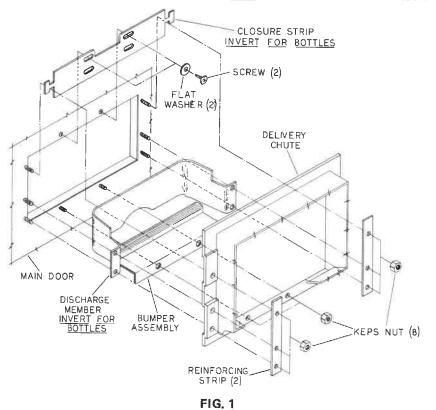
BOTTLE AND CAN ADJUSTMENTS (Cont.)

NARROW COLUMNS ONLY (BOTTLES)
Any time Narrow Columns sell out, load first
3 bottles Heel down - Crown Up - At
approximately 45° - Then release to horizontal position.



BOTTLE LENGTH

THE CLOSURE STRIP AND DISCHARGE MEMBER ARE SET FOR MAXIMUM SECURITY WHEN VENDING <u>CANS</u>. TO VEND <u>BOTTLES</u> REFER TO INSTRUCTIONS BELOW.



The closure strip and discharge member are set for maximum security when vending <u>Cans.</u>
To Vend <u>Bottles refer</u> to instructions above.

HOW TO TAKE CARE OF THE VENDER (Cont.)

- THINGS TO ADJUST - (Cont.)

BOTTLE AND CAN ADJUSTMENTS (Cont.)

ADJUSTMENT SOLD OUT SWITCHES

The assembly of the front sold out switches is so designed as to provide two (2) different levels of sold out conditions. By removing the cover, the mounting plate supporting the sold out switches can be adjusted to allow the following number of containers to remain in each column when sold out occurs.

Lowest position 1 bottle 2 cans
Second position 2 bottles 4 cans

HOW TO CORRECT COMMON VENDING TROUBLES

- REJECTS ALL GOOD COINS -

A POSSIBLE CAUSE IS	TO MAKE SURE	THIS IS WHAT TO DO
Vendor not plugged in	Look, if not	Plug the vender in.
Slug rejector is neither vertical nor level.	Look at it and try a coin. If coin is rejected,	Level the vender.
Blocking fingers remain in coin path.	Remove the Slug Rejector - unplug the vender. Touch prods of test lamp to either side of electro magnet coil, lamp should light, if it doesn't,	Put in a new coil or magnet coil assembly.
The coin paths are dirty	Remove the slug rejector,,look at it, if it is dirty,	Clean it with warm water, a good detergent. Dry it thoroughly.
The slug rejector is out of adjust- ment or the scavenger gate is not closed.	Remove the slug rejector. Put a coin in, if it rejects the coin,	Adjust the slug rejector.
Low voltage.	Check with a volt-meter, if voltage is low,	Correct with location outlet.
N.C. contact of Vend Relay Switch #1.	Put prods of test lamp to N.C. and C. contact. Lamp should light, if it doesn't,	Clean contact with approved cleaner or install new relay.
*N.O. contact of By Pass Switch	Push switch arm back - put prods of test lamp to N.O. and C. contact Lamp should light, if it doesn't,	Replace switch.
*N.C. contact of Vend Motor Switch.	Put prods of test lamp to N.C. and C. contact. Lamp should light, if it doesn't,	Replace Switch.

^{*}These two (2) switches combined and in the same circuit can break the circuit to the Coin Changer.

HOW TO CORRECT COMMON VENDING TROUBLES (Cont.) - ACCEPTS COINS BUT DOES NOT LET A CAN OR BOTTLE VEND FROM ANY COLUMN -

A POSSIBLE CAUSE IS	TO MAKE SURE	THIS IS WHAT TO DO
Vend Switch Coin Changer.	Put the prods of a test lamp to N.C. and C. contacts. Lamp should light, if it doesn't,	Put in a new Vend Switch.
Vend Switch Coin Changer.	Put the prods of a test lamp to N.O. and C. contacts. Push the switch arm down, lamp should light, if it doesn't,	Put in a new Vend Switch.
Vend Relay Coil.	Put the prods of a test lamp to either side of the coil. Lamp should light, if it doesn't,	Put in a new Vend Relay.
N.O. contact of Vend Relay Switch #2.	Energize Vend Relay Coil. If contact does not touch or if it touches but still inoperative,	Clean contact with approved cleaner or put in new relay.
N.C. contact of Select Switch #5.	Put the prods of a test lamp to N.C. and C. contacts. Lamp should light, if it doesn't,	Put in a new Select Switch.
N.O. contact of any cam hold switch.	Push switch arm back. Put prods of test lamp to N.O. and C. Lamp should light, if it doesn't,	Put in a new Cam hold Switch.
N.O. contact of Vend Relay Switch #3.	Energize Vend Relay Coil. If contact does not touch or it touches and then opens,	Clean contact with approved cleaner or put in new relay.
	li .	

. 26 0354

HOW TO CORRECT COMMON VENDING TROUBLES (Cont.)

~ ACCEPTS COINS BUT DOES NOT LET A CAN OR BOTTLE VEND FROM A GIVEN COLUMN --

A POSSIBLE CAUSE IS	TO MAKE SURE	TINC IS WILLIAM TO DO
	TO MARE SORE	THIS IS WHAT TO DO
Vend Motor.	Put the prods of a test lamp to either side of the coil. Lamp should light, if it doesn't,	Put in a new vend motor.
N.O. contact of Vend Motor Switch.	Push switch arm back. Put the prods of a test lamp to N.O. and C. contacts. Lamp should light, if it doesn't,	Put in a new vend motor switch.
N.O. contact of Ven N.O. contact of Vend Motor Switch.	Put the prods of a test Lamp to N.O. and C. contacts. Lift switch arm up, lamp should light, if it doesn't,	Put in a new switch.
N.O. contact of a Select Switch.	Push switch arm back. Put the prods of a test lamp to N.O. and C. contacts. Lamp should light, if it doesn't,	Put in a new switch.
N.C. contact of a Sold Out Switch in a Vending Circuit.	Put the prods of a test lamp to N.C. and C. contacts. Lamp should light, if it doesn't,	Put in a new switch.
N.C. contact Coin Vend Switch.	Put the prods of a test lamp to N.C. and C. contacts. Lamp should light, if it doesn't,	Put in a new Vend Switch.
N.O. contact of Vend Relay Switch #2.	Energize Vend Relay Coil. If contact does not touch or if it touches and then opens,	Clean contact with "Cobehn" or put in new relay.



HOW THE REFRIGERATION SYSTEM WORKS

- MECHANICAL PARTS -

COMPRESSOR MOTOR

The compressor motor (sealed in the compressor housing) drives the compressor with a shaft that is shared by both parts.

COMPRESSOR

The compressor (sealed in the compressor housing) sucks cold, low pressure freon gas from the evaporator and pumps hot, pressure freon gas out to the condensor.

CONDENSER

The condenser, located in the base of the vender, at the front, takes heat out of the hot, high pressure gas that comes from the compressor. The gas loses heat as it goes through the condenser coils, and changes into a liquid because it is still under high pressure.

CONDENSER FAN

The condenser fan (between the condenser and motor compressor) first sucks air from the outside of the vender through the condenser. This air takes heat from the condenser first and then is blown over the compressor housing from which it also takes heat before going back outside of the vender. The condenser fan runs when the motor compressor runs.

MOLECULAR STRAINER DRYER

The molecular strainer dryer is in the liquid line between the condenser and the capillary tube. This dryer traps and holds water molecules but lets oil molecules and freon molecules go through into the capillary tube.

CAPILLARY TUBE

The capillary tube (between the condenser and the evaporator in the refrigerant line) has a very small inside diameter, so the flow of the liquid freon from the condenser into the evaporator is slow, but steady, even with the pressure the compressor builds up in the condenser. This helps to keep the pressure in the evaporator low.



HOW THE REFRIGERATION SYSTEM WORKS (Cont.)

- ELECTRICAL PARTS - (Cont.)

EVAPORATOR

The evaporator (in the vender cabinet) takes heat from the air in the vender cabinet and gives this heat to the liquid refrigerant. The liquid refrigerant is evaporated (boiled off) as a gas, and the gas is sucked out by the compressor and so the pressure is kept low.

EVAPORATOR FAN

The evaporator fan sucks warm air from around the cans or bottles in the cooling compartment and blows it across the evaporator. As the air goes across the evaporator, it gives up heat to the evaporator. As the air goes across the evaporator, it gives up heat to the evaporator, then goes back to the cans or bottles, and takes heat from them. This fan runs all the time when the vender is plugged in.

CONDENSATE PAN

The condensate pan (located in the compressor compartment) collects the water which runs from the vender during the defrost cycle. The water is evaporated into the surrounding air by means of soakers, and the air movement resulting from the condenser fan blade rotation. The soakers extend down into the pan to absorb the water. Exposure to the surrounding air vaporizes the water in the soakers, and the water vapor is carried into the air by the action of the condenser fan blade.

- ELECTRICAL PARTS -

TEMPERATURE CONTROL

The temperature control is the name of a part that is made up of a control bulb connected by a small metal tube to a bellows. The control bulb is in a tube back of the evaporator. The bellows and a switch known as the temperature control switch are in the temperature control box which is fastened to the right side inside the vender.

The control bulb and the bellows have a vapor in them. When the temperature of the vapor in the bulb rises, it builds up pressure in the bellows tube. This pushes the bellows out, makes it longer. When the control bulb is cool the vapor shrinks back, and the bellows pull in and get shorter. These movements of the bellows work the switch — called the temperature control switch — closing it when the bulb is heated and opening it when the bulb is closed.

HOW THE REFRIGERATION SYSTEM WORKS (Cont.)

- ELECTRICAL PARTS - (Cont.)

TEMPERATURE CONTROL (Cont.)

The contacts of the temperature control switch are in the compressor motor's running and starting circuits. They are also in the condenser fan motor circuit.

When the cabinet temperature gets up to the cut-on setting, the temperature control switch closes in the compressor motor's starting and running circuits and in the condenser fan circuit. When the cabinet temperature gets down to the cut-off setting, the temperature control switch opens in these circuits.

CAUTION: To adjust temperature control see pages 18 and 19 "Things To Adjust."

STARTING RELAY

The starting relay (in the terminal box on the side of the compressor shell) is an electromagnetic relay whose contacts are closed by the magnetic field of the relay coil, and are opened by gravity. It is made up of a relay coil and one set of contacts. The relay coil is in the running circuit of the compressor motor. The relay contacts are in the compressor motor's starting circuit and can complete or break only that circuit.

When the compressor motor and the condenser fan motor first start, the starting relay closes and completes the compressor motor starting, winding circuit. After the compressor motor gets up speed, the starting relay is opened by the force of gravity and the starting winding circuit is broken.

COMPRESSOR MOTOR

The compressor motor (sealed in the compressor housing) runs the compressor. It is started by the temperature control switch, the starting relay and the thermal overload switch. It is stopped by the temperature control switch, and, if it gets overloaded, by the thermal overload switch.

HOW THE REFRIGERATION SYSTEM WORKS (Cont.)

- ELECTRICAL PARTS - (Cont.)

THERMAL OVERLOAD ASSEMBLY

The thermal overload assembly (in the terminal box on the side of the compressor shell) is the name of a part that is made up of a switch (the thermal overload switch) and a heating wire. The heating wire is in the compressor motor's running and starting circuits. The thermal overload switch can complete or break the compressor motor's starting circuit and running circuit. If the compressor motor gets too warm, or draws too much current (which will make the heating wire get hot) the heat makes the thermal overload switch open in the running and starting circuit of the compressor and break those circuits. When the thermal overload assembly, the motor, and the compressor shell have all cooled enough to run safely, the thermal overload switch closes in these circuits and completes them.

CONDENSER FAN MOTOR

The condenser fan motor (between the condenser and the motor compressor) runs a fan that sucks air through the condenser coils. It starts when the temperature control switch is closed and it stops when the temperature control switch is open.

HOW THE REFRIGERATION SYSTEM WORKS (Cont.)

- ELECTRICAL OPERATION -

WHAT DOES IT	WHAT HAPPENS			
WHEN THE VENDER	TEMPERATURE GETS UP TO THE CUT-ON SETTING			
The temperature control switch	Closes in the running winding circuit of the compressor motor and completes that circuit.			
	Closes in the starting relay coil circuit, and completes that circuit.			
	Closes in the starting winding circuit of the compressor motor.			
	Closes in the condenser fan motor circuit, completing the circuit.			
THE HEAVY CURRENT, DRAWN BY THE RUNNING WINDING, ALSO FLOWS IN THE STARTING RELAY COIL, AND:				
The starting relay coll	Closes the starting relay contacts in the starting winding circuit of the compressor motor, completing that circuit.			
WHEN THE COMPRESSOR MOTOR GETS UP TO SPEED				
The force of gravity	Pulls the starting relay contacts apart because			
The starting relay coil	No longer gets enough current to hold the contacts closed, and			
The starting relay contacts	Open in the starting winding circuit of the compressor motor, and break that circuit.			
IF EITHER THE COMPRESSOR MOTOR OR THE CONDENSER FAN DRAWS TOO MUCH CURRENT AND CAUSES THE THERMAL OVERLOAD ASSEMBLY TO GET TOO WARM				
The thermal overload switch	Opens in the running winding circuit and the starting winding circuit of the compressor motor, and breaks both those circuits.			
	Opens in the condenser fan motor circuit, and breaks that circuit.			

HOW THE REFRIGERATION SYSTEM WORKS (Cont.)

- ELECTRICAL OPERATION - (Cont.)

WHAT DOES IT	WHAT HAPPENS				
WHEN THE TH	TERMAL OVERLOAD ASSEMBLY COOLS DOWN AGAIN				
The thermal overload switch	Closes in both the running winding circuit and the starting winding circuit of the compressor motor.				
	Closes in the condenser fan motor circuit, and completes that circuit				
WHEN THE VENDE	R TEMPERATURE GETS DOWN TO THE CUT-OFF SETTING				
The temperature control switch	Opens in the running winding circuit of the compressor motor, and breaks that circuit.				
	Opens in the starting relay coil circuit, and breaks that circuit.				
	Opens in the starting winding circuit of the compressor motor.				
*					

HOW THE REFRIGERATION SYSTEM WORKS (Cont.)

- ELECTRIC CIRCUITS AND CIRCUIT DIAGRAMS -

CONDENSER FAN CIRCUIT

SWITCHES IN THE WIRING	WHAT THE SWITCHES DO	WHAT MAKES THE SWITCHES WORK
Temperature control switch	Turns the condenser fan motor on and off.	The temperature in the vender has come up to the cut-on point (or gotten down to the cut-off point) set on the temperature control.

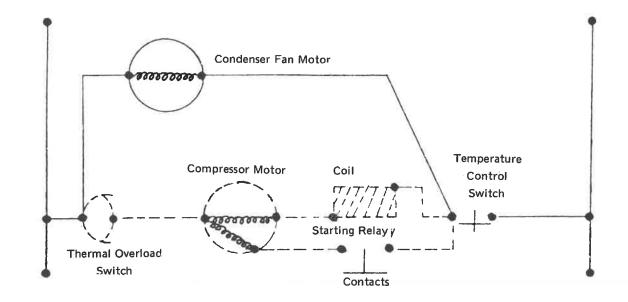
COMPRESSOR MOTOR RUNNING WINDING CIRCUIT

SWITCHES IN THE WIRING	WHAT THE SWITCHES DO	WHAT MAKES THE SWITCHES WORK
Thermal overload switch	Turns the running windings of the compressor motor on.	Current drawn by the motor or heat from the compressor can raise the temperature of the thermal overload assembly and make the thermal overload switch cut off.

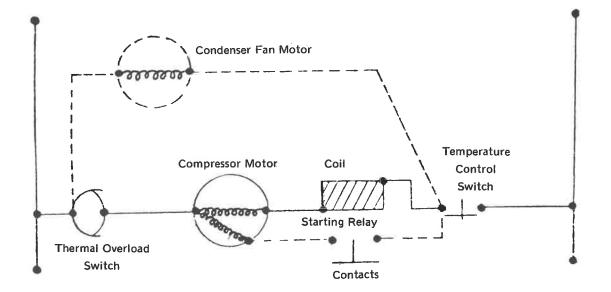
HOW THE REFRIGERATION SYSTEM WORKS (Cont.)

- ELECTRIC CIRCUITS AND CIRCUIT DIAGRAMS - (Cont.)

CONDENSER FAN CIRCUIT DIAGRAM



COMPRESSOR MOTOR RUNNING WINDING CIRCUIT DIAGRAM



HOW THE REFRIGERATION SYSTEM WORKS (Cont.) - ELECTRIC CIRCUITS AND CIRCUIT DIAGRAMS - (Cont.)

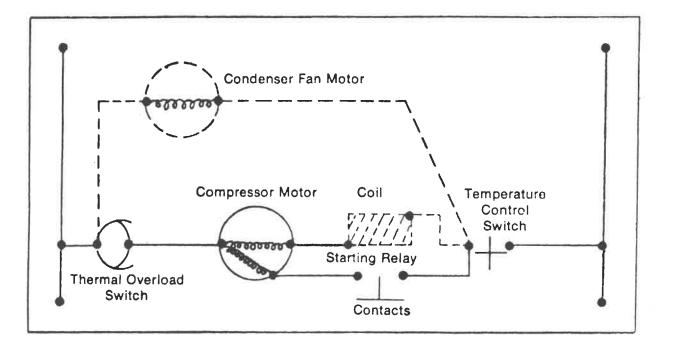
COMPRESSOR MOTOR STARTING WINDING CIRCUIT

SWITCHES, IN THE WIRING	WHAT THE SWITCHES DO	WHAT MAKES THE SWITCHES WORK
Temperature control switch	Turns the starting windings of the compressor motor on.	The temperature in the vender has come up to the cut on point set on the temperature control.
Starting relay contacts	Turns the starting windings of the compressor motor on and off.	The current drawn by the running winding of the compressor motor when it is first turned on also closes through the starting coil. This heavy current gives the relay coil enough power to close the contacts.
Thermal overload switch	Turns the starting windings of the compressor motor on and off.	Current drawn by the motor or heat from the com- pressor can raise the temperature of the thermal over- load assembly and make the thermal overload switch open.

HOW THE REFRIGERATION SYSTEM WORKS (Cont.)

- ELECTRIC CIRCUITS AND CIRCUIT DIAGRAMS - (Cont.)

COMPRESSOR MOTOR STARTING WINDING CIRCUIT DIAGRAM



HOW THE REFRIGERATION SYSTEM WORKS (Cont.)

- REFRIGERATION CYCLE -

What Does It

What Happens

The rising temperature in the vender Warms the temperature control bulb and the liquid

in it.

The liquid in the control bulb. Expands and pushes through the control tube and

stretches the temperature control bellows.

The bellows Moves, and closes the temperature control switch.

The temperature control switch Turns the compressor motor on.

Turns the condenser fan motor on.

The compressor motor Drives the compressor.

The condenser fan motor Drives the condenser fan.

The condenser fan motor Sucks air through the condenser, cooling it.

The compressor Sucks low pressure refrigerant gas from the evaporator,

compresses the gas, and pumps it to the condensor.

The cooled condenser

Takes the heat out of the high pressure refrigerant gas.

The cooled gas Turns into liquid refrigerant.

More hot gas coming from the compressor

Pushes the liquid refrigerant into the capillary tube.

The capillary tube

Lets only a certain amount of liquid refrigerant run into

the evaporator.

The evaporator (Where the pressure is kept low by the suction of the

compressor) heats the liquid refrigerant.

The liquid refrigerant Changes into gas at low pressure and is sucked below

into the compressor.

The falling temperature in the vender Cools the temperature control bulb and the liquid in it.

HOW THE REFRIGERATION SYSTEM WORKS (Cont.)

- REFRIGERATION CYCLE - (Cont.)

What Does It

What Happens

The liquid in the control bulb

Shrinks, and lets the temperature control bellows pull back

The bellows

Move, and open the temperature control switch.

The temperature control switch

Turns the compressor motor off.

Turns the condenser fan motor on.

The compressor

Stops.

The condenser fan motor.

Stops.

(With the vender "Plugged In" the evaporator fan motor runs constantly)

HOW TO TAKE CARE OF THE REFRIGERATION SYSTEM

- WHAT TO CLEAN -

Clean dirt and lint from the condenser with a brush, vacuum cleaner or compressed air

- WHEN AND WHAT TO LUBRICATE -

The refrigeration system is sealed up and does not have to be oiled or greased. Enough oil is put into the condenser and evaporator fan motors when they are manufactured to last as long as they will run.

- CORRECTING TROUBLES -

When the refrigeration system is not working right, go to the table called "Correcting Common Refrigeration Troubles" on the next pages. Find your trouble, see what the possible causes are, and try the tests (in the center column): they will let you know when you have the true cause of the trouble. When you have found the cause of the trouble, either make the adjustment, repair the part or put a new part in, whatever the table says to do. This table does not list all of the possible causes of any of the troubles—but it does have all of the common causes. If your vender has a trouble that is not shown on the chart, or the trouble is not the result of one of the causes shown on the chart, study the section on "How The Refrigeration Mechanism Works" and you will be able to find out what is wrong and fix it.

HOW TO CORRECT COMMON REFRIGERATION TROUBLES

TROUBLE

THE COMPRESSOR WILL NOT RUN AT ALL	42
THE COMPRESSOR STARTS BUT WILL NOT KEEP RUNNING	44
THE COMPRESSOR RUNS BUT THE CANS/BOTTLES AREN'T COLD ENOUGH	46
THE CANS/BOTTLES ARE TOO COLD	49
THE REFRIGERATION UNIT IS NOISY	49
THE COMPRESSOR MOTOR NEVER STOPS BLINNING	E0

HOW TO CORRECT COMMON REFRIGERATION TROUBLES (Cont.)

THE COMPRESSOR WILL NOT RUN AT ALL

A POSSIBLE CAUSE IS	TO MAKE SURE	THIS IS WHAT TO DO
1. The vender is not plugged in.	Look, and if it isn't;	Plug the vender in.
2. The power is off.	Plug a 110V lamp into the outlet, if it doesn't light.	Have someone who knows how, get power to the outlet.
3. The refrigeration unit is not made for the voltage it is getting.	Look at the nameplate on the vender to find out what voltage and cycle it is made for. Ask the local power company if they supply this kind of current. If they don't,	Put a vender in that is made for the kind of current you are getting.
4. A wire in the supply cord or control cable is broken.	Put the prods of 110V test lamp on terminal L of the starting relay and on terminal 3 of thermal overload switch (make sure the temperature control switch is closed). If it doesn't light.	Put a new supply harness on
5. The thermal overload switch is stuck open.	Unplug the vender for at least 15 minutes. Then plug the vender in and put the prods of a 110V test lamp on terminal L of the starting relay and on the common terminal of the compressor motor. If the lamp doesn't light.	Put a new thermal overload assembly in.
6. The temperature control bulb is either touching the evaporator or it is covered with ice and frost.	Look at it. If it is touching the evapora- tor or is covered with ice or frost.	Defrost the eyaporator and be sure the bulb is mounted right.

HOW TO CORRECT COMMON REFRIGERATION TROUBLES (Cont.)

THE COMPRESSOR WILL NOT RUN AT ALL (Cont.)

A POSSIBLE CAUSE IS	TO MAKE SURE	THIS IS WHAT TO DO
7. The temperature control bellows do not work.	Warm the temperature control bulb with your hand for about one minute. If the temperature control switch doesn't close,	Put a new temperature control in.
8. The temperature control switch contacts need cleaning.	Clean them and see if this helps	Clean the faces of the contacts with "Cobehn."
The starting relay contacts aren't closing.	Warm the temperature control bulb to close the temperature control switch. If the starting relay contacts don't close at the same time.	Check the relay out as explained in the next two steps. If they do close, skip the next two steps and go on to step twelve of this section.
10.	Put the prods of a 110V test lamp across M of the relay and 3 of the overload protector. If the lamp does not light.	Put in a new relay.
11. The starting relay contacts are stuck open.	Warm the temperature control bulb to close the temperature control switch. If the starting relay contacts don't close when the temperature control switch does,	Put a new starting relay in.
12. The compressor motor's starting or running winding is burned out.	Unplug the vender. Take all wires off the compressor terminals. Connect a 110V line to compressor motor terminals (C) and (R). At once, with an insulated wire, connect (for 2 seconds) compressor terminals (R) and (S). If the compressor does not start,	Put a new motor compressor in.

HOW TO CORRECT COMMON REFRIGERATION TROUBLES (Cont.)

THE COMPRESSOR STARTS, BUT WILL NOT KEEP RUNNING

A POSSIBLE CAUSE IS	TO MAKE SURE	THIS IS WHAT TO DO
The thermal overload switch opens every time, or almost every time, the compressor motor starts.	Wait until the compressor motor stops then unplug the vender and open the temperature control. See if switch is closed. If it is,	Check The "Possible Causes" in the next 6 steps. If it is not, skip the next 6 steps and go to step 8 of this section.
The tube from the compressor to the condenser is kinked or bent sharply.	Look, if it is,	Try to get the kink out
3. The capillary tube is kinked or bent sharply,	Look, if it is,	Try to get the kink out
	If this does not help and no other cause can be found for the trouble,	Put a new capillary tube on
4. The starting relay contacts are stick- ing closed.	Plug the vender back in. Then while the compressor is running see if the starting relay contacts stay closed. If they do,	Clean the relay contacts with "Cobehn"
	If the starting relay contacts stick closed again after cleaning.	Put a new starting relay in
5. The voltage at the vender is either too high or too low.	1. When an extension cord is not used on the supply cord. While the compressor is running put one prod of a volt meter on terminal (L) of the starting relay and the other prod on terminal (M) of the starting relay. If the voltage is not between 105V and 126V.	Have the person in charge of the vender tell the power company so they can take care of it.

HOW TO CORRECT COMMON REFRIGERATION TROUBLES (Cont.)

THE COMPRESSOR STARTS, BUT WILL NOT KEEP RUNNING (Cont.)

A POSSIBLE CAUSE IS	TO MAKE SURE	THIS IS WHAT TO DO
	2. When an extension is used on the supply cord. Put a double socket on the plug end of the extension and plug it into the outlet. While the compressor is running, put the prods of a volt meter into one of the other sides of the double socket. If the voltage is not between 105V and 126V.	Have the person in charge of the vender tell the power company so they can take care of it.
6. The cut-on temperature is set too close to the cut-off temperature.	Put a thermometer on the control bulb. Read the temperature when the refrigeration unit cuts on. Read the temperature again when it cuts off. If the two temperatures are less than 16° F apart.	Turn the outside range screw clockwise.
7. The thermal overload switch opens after the compressor has been running a short time but before the temperature control switch cuts off.	Wait until the compressor stops then unplug the vender and open the temperature control box to see if the temperature control switch is closed. If it is,	Check the "Possible Causes" in the next 3 steps.
8. Not enough air is getting to the condenser.	See if there is anything around the outside of the vender. If there is,	Take it away.
9. The condenser is dirty	Look. Also feel the tube from the com- pressor to the condenser. If the tube is very hot or if you see dirt on the condenser.	Clean the condenser with either a vacuum cleaner, a brush or compressed air.
10. The condenser fan motor is burned out.	With the condenser fan motor leads correctly connected to the compressor motor terminals (see wiring diagram) see if the condenser fan runs when the compressor does. If it doesn't,	Put a new condenser fan motor in.

HOW TO CORRECT COMMON REFRIGERATION TROUBLES (Cont.)

THE COMPRESSOR RUNS BUT THE CANS/BOTTLES AREN'T COLD ENOUGH

A POSSIBLE CAUSE IS	TO MAKE SURE	THIS IS WHAT TO DO
1. The evaporator fan is not working.	Look. If it is not working.	Check the "Possible Causes" in the next step. If it is working, skip the next step and go on to step 3 of this section.
2. The evaporator fan motor is burned out.	Remove black rubber junction block located on the fan motor bracket. Connect a 110V line to the evaporator fan motor leads. If the evaporator fan motor doesn't start,	Put a new evaporator fan motor in.
3. The temperature control cam is set too warm (high).	Turn the outside range screw of the temperature control clockwise to a colder setting and let the vender run overnight. If the cans/bottles get cold enough,	Leave the temperature control at that setting.
	If the cans/bottles did not get colder,	Put a new temperature control in.
4. The evaporator is covered with frost and ice.	Look at it.	Defrost the evaporator then check the "Possible Causes" in the next 2 steps. If it isn't skip the next 2 steps and go to step 8 of this section.
5. The temperature control cam is set too cold and the evaporator is not defrosting.	Look at the evaporator for frost. If there is frost,	Turn the inside range screw.
	If the evaporator coil does not defrost on each cycle.	Turn the inside range screw.
	If, after the second setting, the coil still does not defrost,	Put a new temperature control in.

HOW TO CORRECT COMMON REFRIGERATION TROUBLES (Cont.)

THE COMPRESSOR RUNS BUT THE CANS/BOTTLES AREN'T COLD ENOUGH (Cont.)

A POSSIBLE CAUSE IS	TO MAKE SURE	THIS IS WHAT TO DO				
6. The temperature control switch contacts stick closed.	If the unit runs all the time, and the evaporator builds up frost.	Put a new temperature control in.				
7. The temperature control bulb sleeve is touching the evaporator.	Look at it. If it is touching the evaporator tube.	Bend the bracket so that there will be space between the bulb sleeve and the evaporator tube.				
8. The control bulb is not in the sleeve (holder).	Look. If it is not.	Put the bulb in the sleeve (holder).				
9. The temperature control bellows is not working.	Warm the temperature control bulb with your hand for about one minute. If the temperature control switch doesn't close,	Put a new temperature control in.				
10. The refrigerant tubing is kinked	Look, if it is,	Try to get the kink out.				
or bent sharply.	If this does not help and no other cause can be found for the trouble.	Put some new refrigerant tubing in.				
11. There isn't enough refrigerant in the refrigeration system or the capillary tube is partly plugged.	Let the vender run at least 15 minutes and then see if the evaporator is frosted all over. If it isn't,	Try to blow the plug out of the capillary tube, evacuate the system and then put a new charge of gas in the refrigeration unit.				
12. The condenser isn't getting enough air.	See if there is anything around the outside of the vender to keep the air out. If there is,	Take it away.				
13. The condenser is dirty.	Look. Also feel the tube from the compressor to the condenser. If the tube is very hot, or if you see dirt,	Clean the condenser with either a vacuum cleaner, a brush or compressed air.				

HOW TO CORRECT COMMON REFRIGERATION TROUBLES (Cont.)

THE COMPRESSOR RUNS BUT THE CANS/BOTTLES AREN'T COLD ENOUGH (Cont.)

A POSSIBLE CAUSE IS	TO MAKE SURE	THIS IS WHAT TO DO
14. The condenser fan motor is burned out.	With the condenser fan motor leads correctly connected to the compressor terminal, see if the condenser fan runs when the compressor does. If it doesn't,	Put a new condenser fan motor in.
15. The thermal overload switch is starting and stopping the compressor.	Unplug the vender for at least 15 minutes, then plug it in again. Be sure the temperature control switch is closed. (Warm the temperature control bulb with your hand to close it.) If the compressor motor cuts off then on, then off while the temperature control switch stays closed.	Check the "Possible Causes" in steps 16 and 17.
16. The voltage at the vender is either too high or too low.	1. When an extension is not used on the supply cord: While the compressor is running put one prod of a volt meter on terminal (S) of the starting relay and the other prod on terminal (L) of the starting relay. If the voltage is not between 105V and 126V,	Have the person in charge of the vender tell the power company so they can take care of it
	2. When an extension is used on the supply cord: Put a double socket on the plug end of the extension and plug it into the outlet. While the compressor is running, put the prods of a volt meter on terminal (S) of the starting relay and the other prod on terminal (L) of the starting relay. If the voltage is not between 105V and 126V.	Have the person in charge of the vender tell the power company so they can take care of it.
E.		

HOW TO CORRECT COMMON REFRIGERATION TROUBLES (Cont.)

THE COMPRESSOR RUNS BUT THE CANS/BOTTLES AREN'T COLD ENOUGH (Cont.)

A POSSIBLE CAUSE IS	TO MAKE SURE	THIS IS WHAT TO DO
17. The starting relay contacts are sticking closed.	Look and see. If they are,	Put a new starting relay in.
THE	CANS/BOTTLES ARE TOO CO	DLD
The temperature control bulb is not in its tube.	Look and see. If it isn't,	Put the bulb in its tube.
The temperature control cam is set too cold.	Turn the outside range screw of the temperature control cam counter-clockwise to a warmer setting and let the vender run over night. If the cans/bottles get cold enough but not too cold, unplug the vender and let the evaporator fan come to a stop.	Leave the temperature control cam at that setting
3. The temperature control switch is stuck closed.	Then block the fan blade so it can't turn. Remove the temperature control bulb from its tube and touch it to the evaporator tube. Plug the vender back in and let the compressor run until it cuts off, but not more than 30 minutes. If the vender has not cut off.	SY.
1. The refrigerant lines rattle.	Hold them between your fingers. If the rattle stops.	Bend them gently away from what- ever they are hitting.

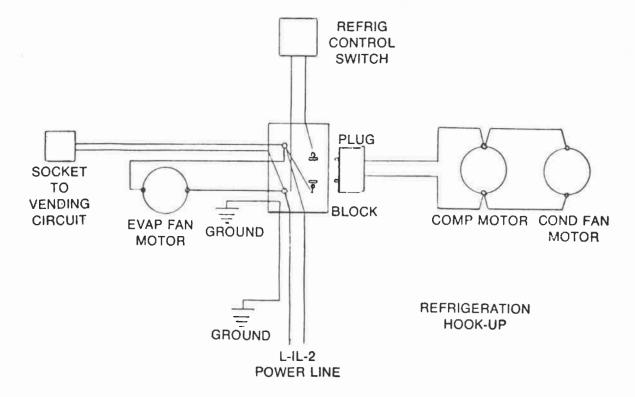
HOW TO CORRECT COMMON REFRIGERATION TROUBLES (Cont.)

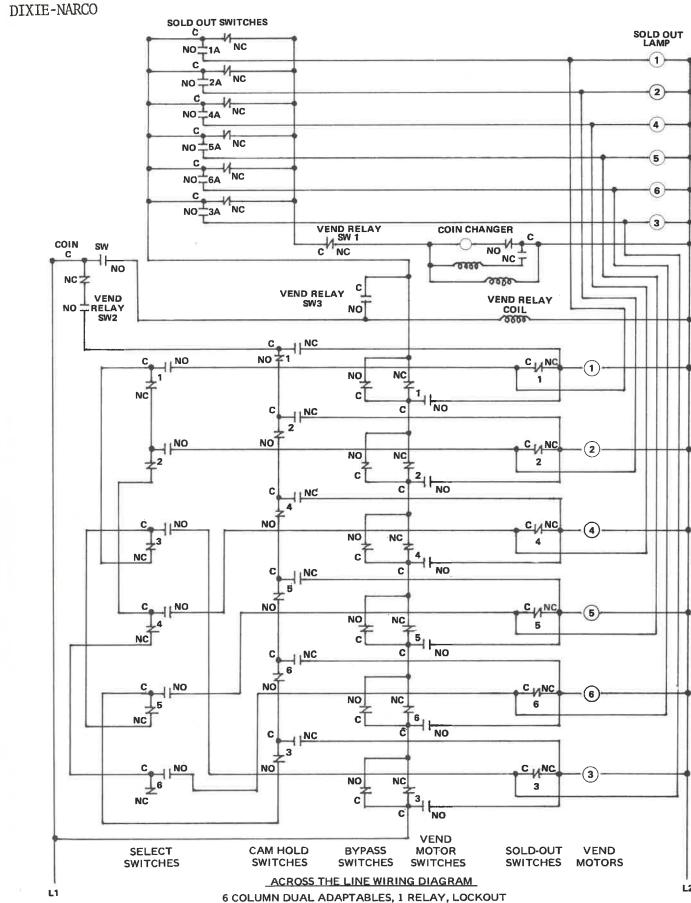
THE COMPRESSOR MOTOR NEVER STOPS RUNNING

A POSSIBLE CAUSE IS	TO MAKE SURE	THIS IS WHAT TO DO
The temperature control switch is stuck closed.	Turn the inside range screw cam and the range screw to their warmest settings. Let the vender run overnight, or until it stops, If the compressor motor doesn't stop running.	Put a new temperature control in.
 The compressor has a broken valve or no refrigeratant in the refrigera- tion system. 	The tube from the compressor to the condenser is not warm and the evaporator is not cold,	Put a new charge of refrigeration in the refrigeration unit.
	If this does not help,	Put a new motor compressor in the refrigeration unit.

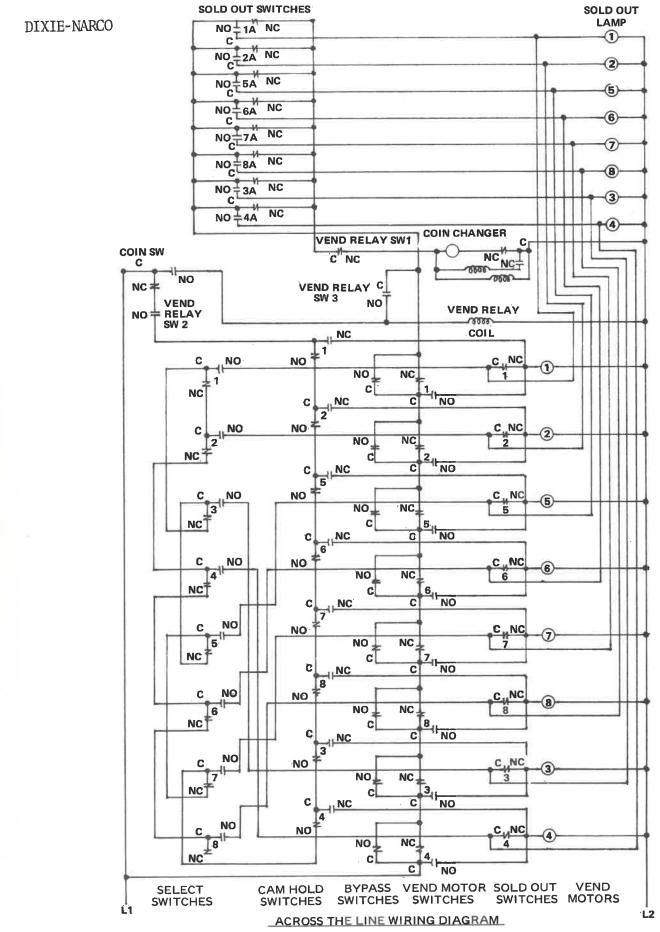
HOW TO CORRECT COMMON REFRIGERATION TROUBLES (Cont.)

Temperature Control Switch Condenser Fan Motor Starting Relay

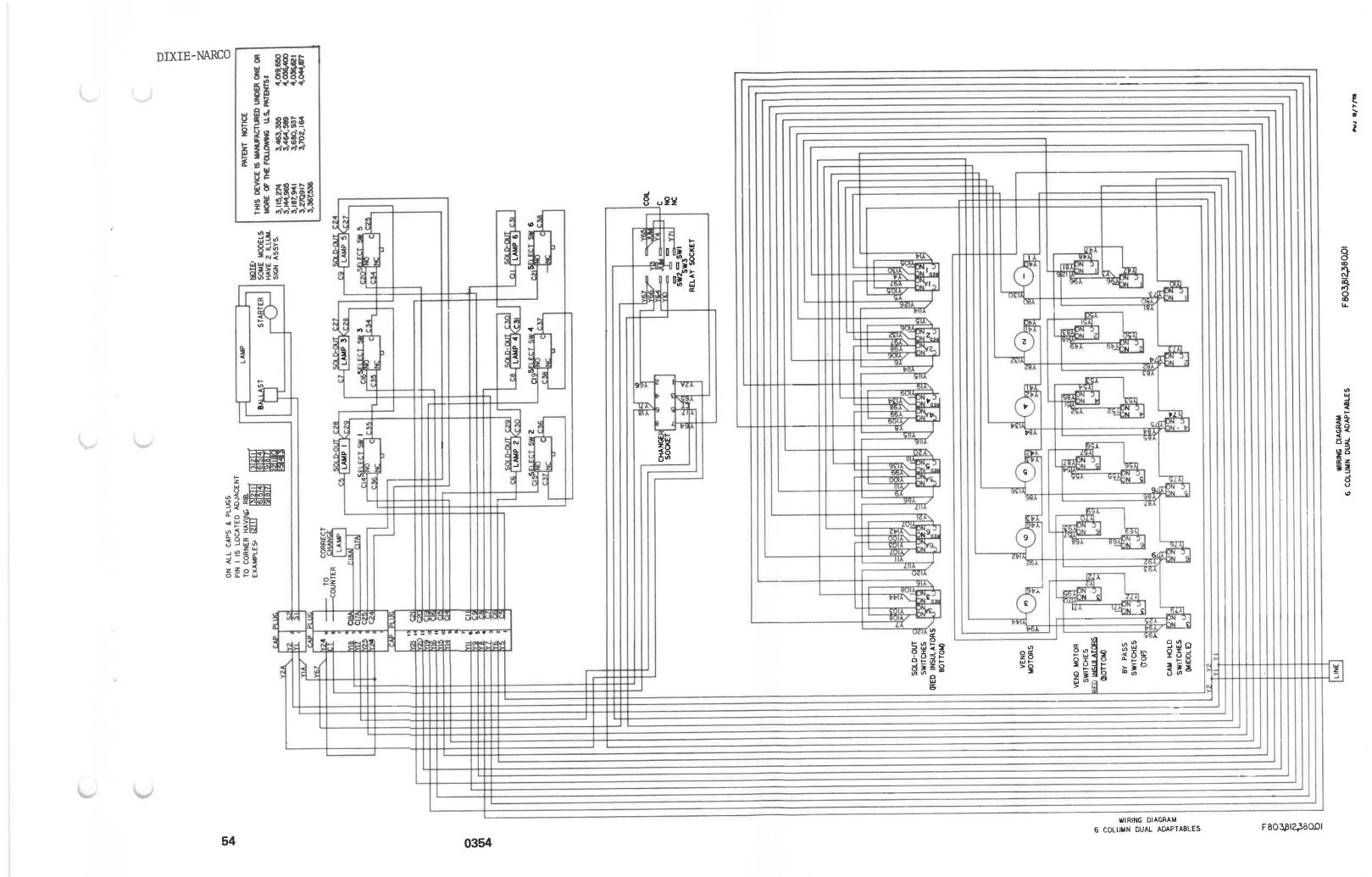




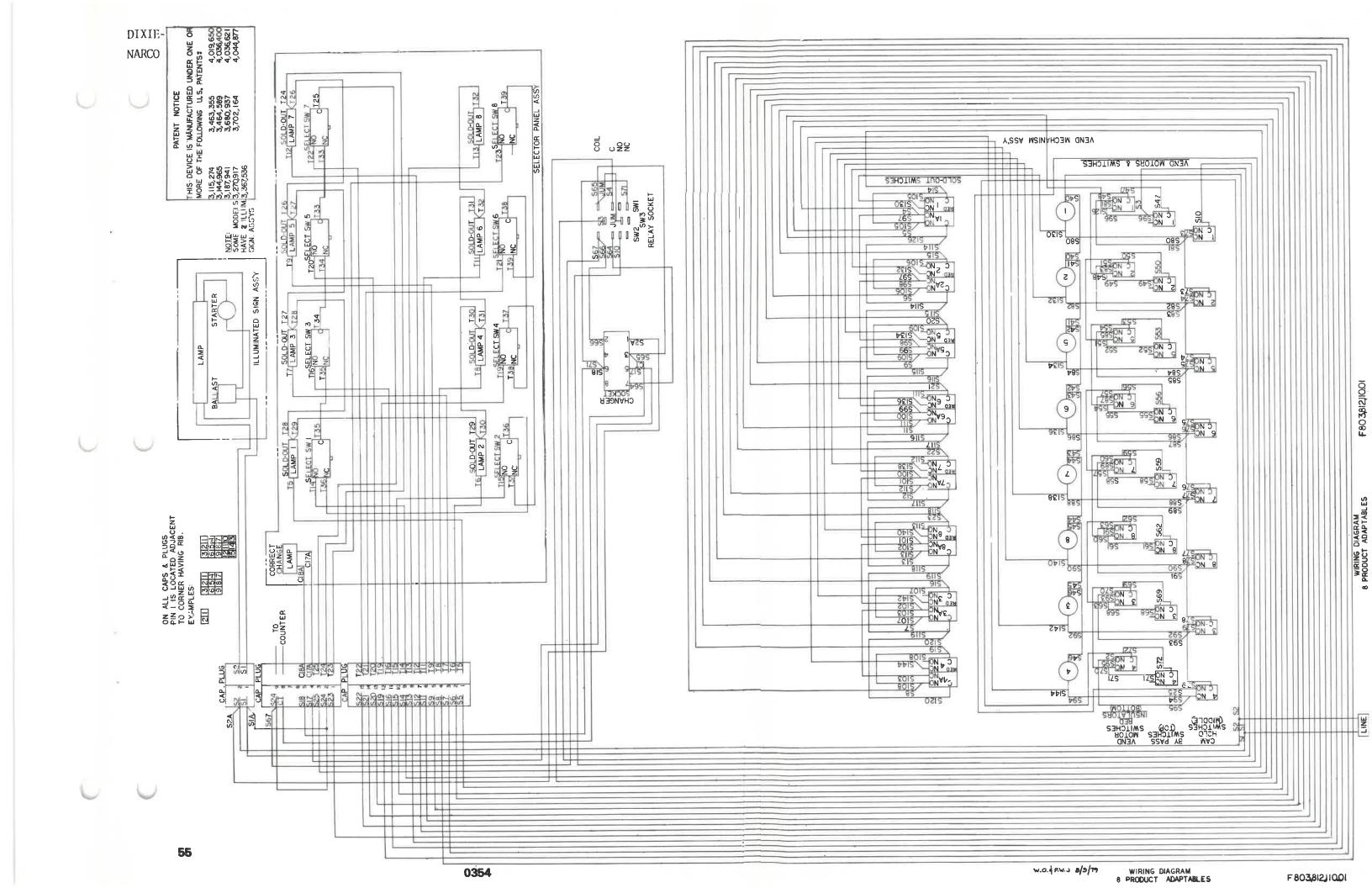
ALL SWITCHES SHOWN IN POSITION WHEN VENDOR IS READY
TO ACCEPT COINS



8 COLUMN ADAPTABLES, 1 RELAY, LOCKOUT
ALL SWITCHES SHOWN IN POSITION WHEN VENDER IS READY TO ACCEPT COINS



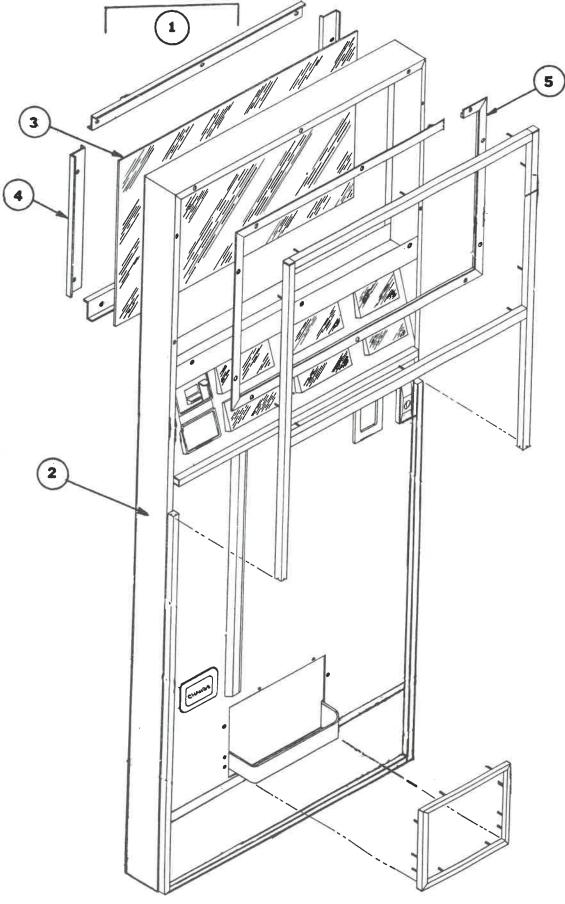
	•			
			O	
				*
				•





PARTS LIST CONTENTS

MAIN DOOR						•		•	•	•	•	•	58
NTERIOR DOOR PARTS													62
NNER DOOR PARTS	9 9	% %		• §	. 8	•			٠		*	ě	64
SELECTOR PANEL	• *	• :	• (80)		. *	*	s 12				•5	*	68
WIRING HARNESS — DOOR AND CABINET													70
HINGES AND ASSY. LIFTER & ROLLER	. 9												72
PULL-OUT HANDLE - NATIONAL			• (*)								•	٠	74
CABINET AND VEND MECHANISM													76
DEEDLOED ATION SYSTEM													24



MAIN DOOR ASSEMBLY

57

MAIN DOOR

ITEM WO.	PART NUMBER	PART NAME AND DESCRIPTION
		DN168/99-6
1	MUST SPECIFY MODEL, SERIAL NO., AND TRADEMARK	Main Door Assembly
2	D207,050,300.43C	Main_Door W/A
3	MUST SPECIFY MODEL & TRADEMARK	Illuminated Sign
4	B207,050,020.13	Sign_Retainer, Sides
5	A172,050,180.03	Sign Frame, Side White
		DN240/138-6
1	MUST SPECIFY MODEL, SERIAL NO., AND TRADEMARK	Main Door Assembly
	D214,050,300.43B	Main Door W/A
 3	MUST SPECIFY MODEL & TRADEMARK	Illuminated Sign
<u>-</u> - 4	B207,050,020.13	Sign Retainer, Sides
 5	A172,050,180.03	Sign Frame, Side White
<u></u>	A172,030,100.03	DN276/162-6
1	MUST SPECIFY MODEL, SERIAL NO., -AND TRADEMARK	Main Door Assembly
2	D214,050,300.43D	Main Door W/A
3	MUST SPECIFY MODEL & TRADEMARK	Illuminated Sign
4	A215,050,060.03	Sign Retainer, Sides
5	A215,050,030.03	Sign Frame, Sides White
		DN330/189-6
1	MUST SPECIFY MODEL, SERIAL NO., AND TRADEMARK	Main Door Assembly
2	D214,050,300.43A	Main_Door_W/A
3	MUST SPECIFY MODEL & TRADEMARK	Illuminated Sign
4	B214,050,030.23	Sign Retainer, Sides
5	A213,050,050.13	Sign Frame, Sides White
1	MUST SPECIFY MODEL, SERIAL NO., AND TRADEMARK	DN320/184-8 Main Door Assembly
2	D211,050,300.63C	Main Door W/A
3	MUST SPECIFY MODEL & TRADEMARK	
4	A209,050,010.23	Sign Retainer, Sides
5	A178,050,050.03	Sign Frame, Sides White
	MUST SPECIFY MODEL, SERIAL NO.,	DN368/216-8
1	AND_TRADEMARK	Main Door Assembly
_2	<u>D211,050,300.63B</u>	Main Door W/A
3	MUST SPECIFY MODEL & TRADEMARK	_ Illuminated Sign
	DO10 0F0 010:17	Sign Retainer, Sides
4	B210,050,010.13	
	A177,050,050.03	Sign Frame, Sides White
5	1	
	A177,050,050.03 MUST SPECIFY MODEL, SERIAL NO., AND TRADEMARK	Sign Frame, Sides White DN440/252-8 Main Door Assembly
5 1 2	A177,050,050.03 MUST SPECIFY MODEL, SERIAL NO., AND TRADEMARK D211,050,300.63A	Sign Frame, Sides White DN440/252-8 Main Door Assembly Main Door W/A
5	A177,050,050.03 MUST SPECIFY MODEL, SERIAL NO., AND TRADEMARK	Sign Frame, Sides White DN440/252-8 Main Door Assembly

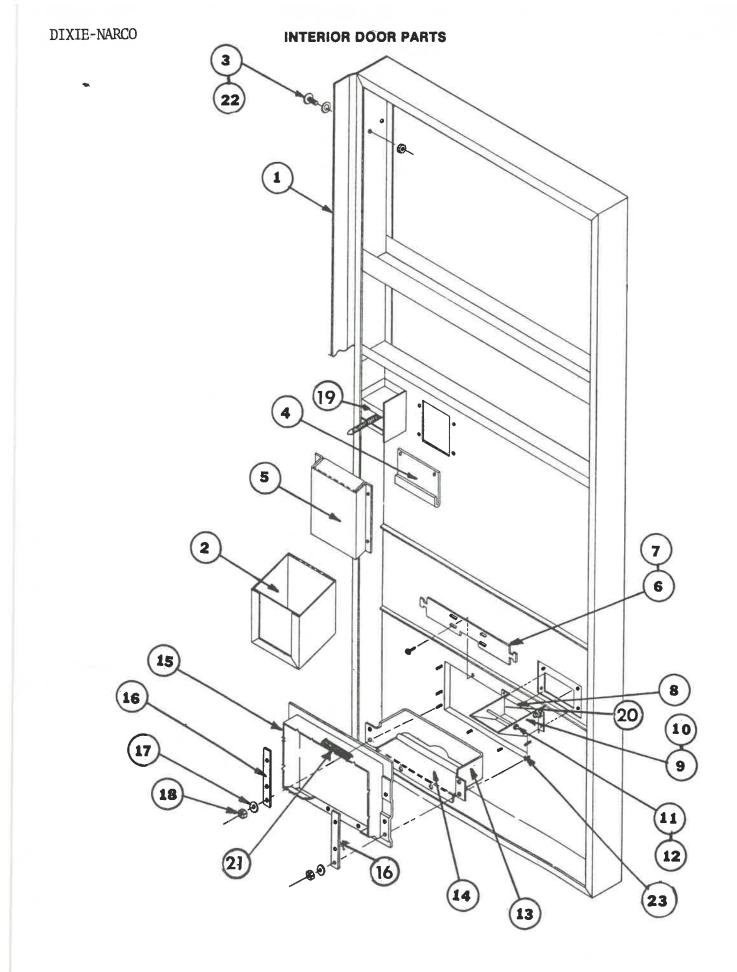
WHEN ORDERING PARTS, INDICATE MODEL # AND SERIAL # OF VENDER.
ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

DIXIE-NARCO Parts MAIN DOOR 21 7 13 23) 24) 16 6 14 6 18-17 12 (11) 20 21 9 60

MAIN DOOR

8 B172,050,190.03 9 A801,602,690.01 11 801,901,160.01 27 169,050,340.83 DN320/184-8 - DN368/216-8 - 7 B209,050,020.23 8 B176,050,060.03 9 A801,602,680.01 11 801,901,160.01 28 B164,151,141.53 DN168/99-6 - DN240/138-6 - DN276/162-6 - DN	PART NAME AND DESCRIPTION DN168/99-6 Vertical Trim DN240/138-6 - DN320/184-8 Vertical Trim DN276/162-6 - DN368/216-8 Vertical Trim DN330/189-6 - DN440/252-8 Vertical Trim 276/162-6 - DN330/189-6 Sign Retainer, Top & Bottom Sign Frame, Top & Bottom White Horizontal Trim Vinyl Woodgrain
6 A801,602,740.01 6 A801,602,750.01 6 A801,602,730.01 DN168/99-6 - DN240/138-6 - DN2 7 B207,050,010.23 8 B172,050,190.03 9 A801,602,690.01 11 801,901,160.01 27 169,050,340.83 DN320/184-8 - DN368/216-8 - B209,050,020.23 8 B176,050,060.03 9 A801,602,680.01 11 801,901,160.01 28 B164,151,141.53 DN168/99-6 - DN240/138-6 - DN276/162-6 - DN	Vertical Trim DN240/138-6 - DN320/184-8 Vertical Trim DN276/162-6 - DN368/216-8 Vertical Trim DN330/189-6 - DN440/252-8 Vertical Trim 276/162-6 - DN330/189-6 Sign Retainer, Top & Bottom White Horizontal Trim
6 A801,602,740.01 6 A801,602,750.01 6 A801,602,730.01 DN168/99-6 - DN240/138-6 - DN2 7 B207,050,010.23 8 B172,050,190.03 9 A801,602,690.01 11 801,901,160.01 27 169,050,340.83 DN320/184-8 - DN368/216-8 - B209,050,020.23 8 B176,050,060.03 9 A801,602,680.01 11 801,901,160.01 28 B164,151,141.53 DN168/99-6 - DN240/138-6 - DN276/162-6 - DN	DN240/138-6 - DN320/184-8 Vertical Trim DN276/162-6 - DN368/216-8 Vertical Trim DN330/189-6 - DN440/252-8 Vertical Trim 276/162-6 - DN330/189-6 Sign Retainer, Top & Bottom Sign Frame, Top & Bottom White Horizontal Trim
6 A801,602,750.01 6 A801,602,730.01 DN168/99-6 - DN240/138-6 - DN2 7 B207,050,010.23 8 B172,050,190.03 9 A801,602,690.01 11 801,901,160.01 27 169,050,340.83 DN320/184-8 - DN368/216-8 - 8209,050,020.23 8 B176,050,060.03 9 A801,602,680.01 11 801,901,160.01 12 801,901,160.01 12 B164,151,141.53 DN168/99-6 - DN240/138-6 - DN276/162-6 - DN	Vertical Trim DN276/162-6 - DN368/216-8 Vertical Trim DN330/189-6 - DN440/252-8 Vertical Trim 276/162-6 - DN330/189-6 Sign Retainer, Top & Bottom Sign Frame, Top & Bottom White Horizontal Trim
6 A801,602,750.01 6 A801,602,730.01 DN168/99-6 - DN240/138-6 - DN2 7 B207,050,010.23 8 B172,050,190.03 9 A801,602,690.01 11 801,901,160.01 27 169,050,340.83 DN320/184-8 - DN368/216-8 - 8209,050,020.23 8 B176,050,060.03 9 A801,602,680.01 11 801,901,160.01 12 801,901,160.01 12 B164,151,141.53 DN168/99-6 - DN240/138-6 - DN276/162-6 - DN	DN276/162-6 - DN368/216-8 Vertical Trim DN330/189-6 - DN440/252-8 Vertical Trim 276/162-6 - DN330/189-6 Sign Retainer, Top & Bottom Sign Frame, Top & Bottom White Horizontal Trim
6 A801,602,730.01 DN168/99-6 - DN240/138-6 - DN2 8 B172,050,190.03 9 A801,602,690.01 11 801,901,160.01 27 169,050,340.83 DN320/184-8 - DN368/216-8 - 8209,050,020.23 8 B176,050,060.03 9 A801,602,680.01 11 801,901,160.01 28 B164,151,141.53 DN168/99-6 - DN240/138-6 - DN276/162-6 - DN	Vertical Trim DN330/189-6 - DN440/252-8 Vertical Trim 276/162-6 - DN330/189-6 Sign Retainer, Top & Bottom Sign Frame, Top & Bottom White Horizontal Trim
6 A801,602,730.01 DN168/99-6 - DN240/138-6 - DN2 8 B172,050,190.03 9 A801,602,690.01 11 801,901,160.01 27 169,050,340.83 DN320/184-8 - DN368/216-8 - 8209,050,020.23 8 B176,050,060.03 9 A801,602,680.01 11 801,901,160.01 28 B164,151,141.53 DN168/99-6 - DN240/138-6 - DN276/162-6 - DN	DN330/189-6 - DN440/252-8 Vertical Trim 276/162-6 - DN330/189-6 Sign Retainer, Top & Bottom Sign Frame, Top & Bottom White Horizontal Trim
DN168/99-6 - DN240/138-6 - DN2 B207,050,010.23 B172,050,190.03 9 A801,602,690.01 11 801,901,160.01 27 169,050,340.83 DN320/184-8 - DN368/216-8 - B209,050,020.23 B176,050,060.03 A801,602,680.01 11 801,901,160.01 28 B164,151,141.53 DN168/99-6 - DN240/138-6 - DN276/162-6 - DN	Vertical Trim 276/162-6 - DN330/189-6 Sign Retainer, Top & Bottom Sign Frame, Top & Bottom White Horizontal Trim
DN168/99-6 - DN240/138-6 - DN2 B207,050,010.23 B172,050,190.03 9 A801,602,690.01 11 801,901,160.01 27 169,050,340.83 DN320/184-8 - DN368/216-8 - B209,050,020.23 B176,050,060.03 A801,602,680.01 11 801,901,160.01 28 B164,151,141.53 DN168/99-6 - DN240/138-6 - DN276/162-6 - DN	Sign Retainer, Top & Bottom Sign Frame, Top & Bottom White Horizontal Trim
7 B207,050,010.23 8 B172,050,190.03 9 A801,602,690.01 11 801,901,160.01 27 169,050,340.83 DN320/184-8 - DN368/216-8 - 8209,050,020.23 8 B176,050,060.03 9 A801,602,680.01 11 801,901,160.01 28 B164,151,141.53 DN168/99-6 - DN240/138-6 - DN276/162-6 - DN	Sign Retainer, Top & Bottom Sign Frame, Top & Bottom White Horizontal Trim
8 B172,050,190.03 9 A801,602,690.01 11 801,901,160.01 27 169,050,340.83 DN320/184-8 - DN368/216-8 - 7 B209,050,020.23 8 B176,050,060.03 9 A801,602,680.01 11 801,901,160.01 28 B164,151,141.53 DN168/99-6 - DN240/138-6 - DN276/162-6 - DN	Sign Frame, Top & Bottom White Horizontal Trim
9	Horizontal Trim
11 801,901,160.01 27 169,050,340.83 DN320/184-8 - DN368/216-8 - 7 8209,050,020.23 8 8176,050,060.03 9 A801,602,680.01 11 801,901,160.01 28 B164,151,141.53 DN168/99-6 - DN240/138-6 - DN276/162-6 - DN	
27	
DN320/184-8 - DN368/216-8 - 7	Rain Guard
7 B209,050,020.23 8 B176,050,060.03 9 A801,602,680.01 11 801,901,160.01 28 B164,151,141.53 DN168/99-6 - DN240/138-6 - DN276/162-6 - DN	
8 B176,050,060.03 9 A801,602,680.01 11 801,901,160.01 28 B164,151,141.53 DN168/99-6 - DN240/138-6 - DN276/162-6 - DN	Sign Retainer, Top & Bottom
9 A801,602,680.01 11 801,901,160.01 28 B164,151,141.53 DN168/99-6 - DN240/138-6 - DN276/162-6 - DN	Sign Frame, Top & Bottom White
11 801,901,160.01 28 B164,151,141.53 DN168/99-6 - DN240/138-6 - DN276/162-6 - DN	•
28 B164,151,141.53 DN168/99-6 - DN240/138-6 - DN276/162-6 - DN	
DN168/99-6 - DN240/138-6 - DN276/162-6 - DN	Rain Guard
DN368/216-8 - DN440/	
12 B231,050,300.03	
	Gasket (Specify Model)
	Pull Out Handle (Complete)
	Bezel, Bottle Opener
=======================================	Coin Insert Assembly
	Bezel, Coin Return Cup
	Screw, S/M #6 X 1/4
	Trim, Delivery Port
	Tee Bolt, #8-32 x 3/4
	Keps Nut
	Keps Nut Extrusion Cap
	Extrusion Cap
25 901,100,500.01	

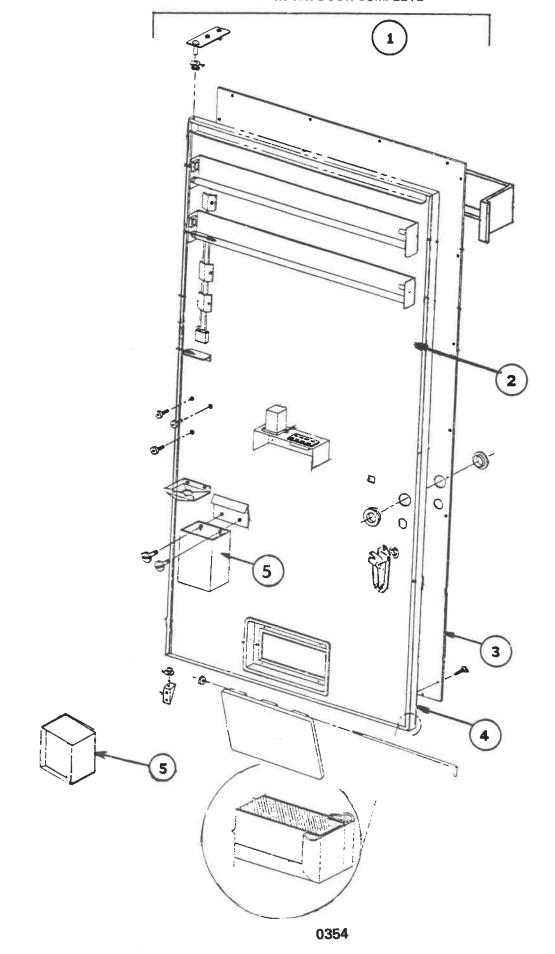
WHEN ORDERING PARTS INDICATE MODEL # AND SERIAL # OF VENDER.
ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.



INTERIOR DOOR PARTS

ITEM NO.	PART NUMBER	PART NAME AND DESCRIPTION
		DN168/99-6
1	C168,050,330.93	Protective Plate, Door
		DN240/138-6 - DN320/184-8
1	C166,150,330.83	Protective Plate, Door
		DN276/162-6 - DN368/216-8
1	C165,150,330.83	Protective Plate, Door
		DN330/189-6 - DN440/252-8
1	C164,150,331.03	Protective Plate, Door
DN168/99	-6 - DN240/138-6 - DN276/162- DN368/216-8 -	-6 - DN330/189-6 - DN320/184-8 'DN440/252-8
2	B211,051,400.03	Crown Catcher S/A
3	900,201,200.01	Carriage Bolt and Nut
4	A211,050,230.23	Hanger, Crown Catcher
5	B267,050,110.13	Housing, Crown Puller
6	B172,050,031.33	Closure Strip
7	900,600,230.02	Screw, S/M #8 x 1/2
8	B801,803,930.11	Coin_Return_Door
9	B208,051,400.13	Coin Return Cup, S/A
10	900,300,110.01	Screw, S/M #6 x 1/4
11	A900,501,820.01	Hinge Pin
12	900,900,900.01	Retaining Ring
13	B231,050,300.03	Discharge Member
14	A172,050,300.73	Bumper Assembly
15	801,804,220.01	Delivery Chute
16	B169,050,371.13	Reinforcement Strip
17	900,700,060.01	Washer_#8
18	900,800,500.01	Keps Nut 8-32
19	801,501,620.01	Latch Strike, Door
20	A176,150,140.03	Closure Angle Coin Cup
21	A176,150,330.13	Port Retainer
22	900,700,710.01	Lockwasher, 1/4-20
23	A900,400,350.01	"T" bolts, 8-32 x 3/4

WHEN ORDERING PARTS INDICATE MODEL # AND SERIAL # OF VENDER.
ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.



INNER DOOR

NO.	PART NUMBER	PART NAME AND DESCRIPTION
	Trust Norden	DN168/99-6
1	D213,050,100.83C	Inner Door Complete
$\frac{2}{2}$	D173,150,300.53	Foamed Assembly w/gasket
$\frac{1}{3}$	C173,150,020.73	
 		Rear Panel
5	801,804,010.01	Gasket
Ť	B168,051,500.33	Cash Box, located in main door
1	D213,050,100.73B	DN240/138-6 Inner Door_Complete
$\frac{1}{2}$	D172,150,390.53	
$-\frac{2}{3}$	C172,150,020.83	Foamed Assembly w/gasket
$-\frac{3}{4}$		Rear Panel
5	<u>801,804,020.01</u>	Gasket
	C172,150,600.13	Cash Box
1	D217 050 100 77D	DN276/162-6
$-\frac{1}{2}$	<u>D213,050,100.73D</u>	Inner Door Complete
$-\frac{2}{3}$	<u>D215,050,400.43</u>	Foamed_Assembly_w/gasket
$-\frac{3}{4}$	<u>C215,050,050.43</u>	Rear Panel
- -	<u>801,804,030.01</u>	Gasket
	C172,150,600.13	Cash Box
	D217 050 100 774	DN330/189-6
$-\frac{1}{2}$	<u>D213,050,100.73A</u>	Inner Door Complete
$-\frac{2}{7}$	<u>D213,050,300.73</u>	Foamed_Assembly_w/gasket
$-\frac{3}{4}$	<u>D213,050,021.03</u>	Rear_Pane1
- 4	801,804,040.01	Gasket
5	C172,150,600.13	Cash Box
.	74-4 4-4 4-4 4-4	DN320/184-8
$-\frac{1}{2}$	<u>D176,150,200.63C</u>	Inner Door Complete
$-\frac{2}{5}$	<u>D178,150,300.53</u>	Foamed Assembly w/gasket
$-\frac{3}{4}$	<u>C178,150,020.73</u>	Rear_Pane1
- 4	801,804,050.01	Gasket
5	B176, 151, 100.13	Cash Box
. 1		DN368/216-8
$-\frac{1}{2}$	<u>D176,150,200.63B</u>	Inner Door Complete
$-\frac{2}{-}$	<u>D177,150,300.53</u>	Foamed Assembly w/gasket
3	<u>C177,150,020.73</u>	Rear_Pane1
_ 4	801,804,060.01	Gasket
5	B176, 151, 100.13	Cash Box
		DN440/252-8
- 1	<u>D176,150,200.63A</u>	Inner Door Complete
_ 2	<u>D176,150,300.53</u>	Foamed Assembly w/gasket
_ 3	C176,150,020.63	Rear Panel
_ 4	801,804,070.01	<u>Gasket</u>
5	B176, 151, 100.13	Cash Box

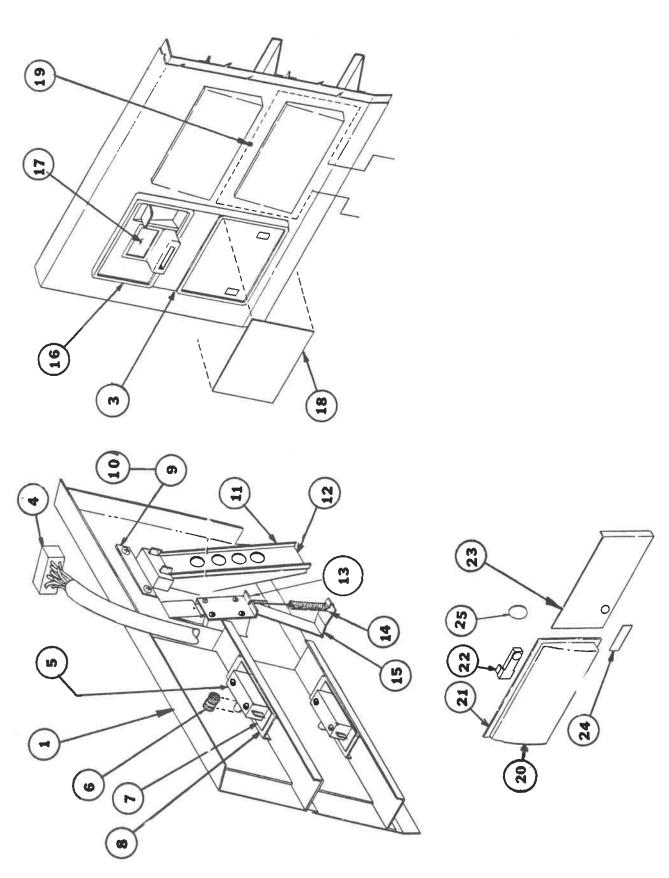
WHEN ORDERING PARTS INDICATE MODEL # AND SERIAL # OF VENDER ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

0354

65

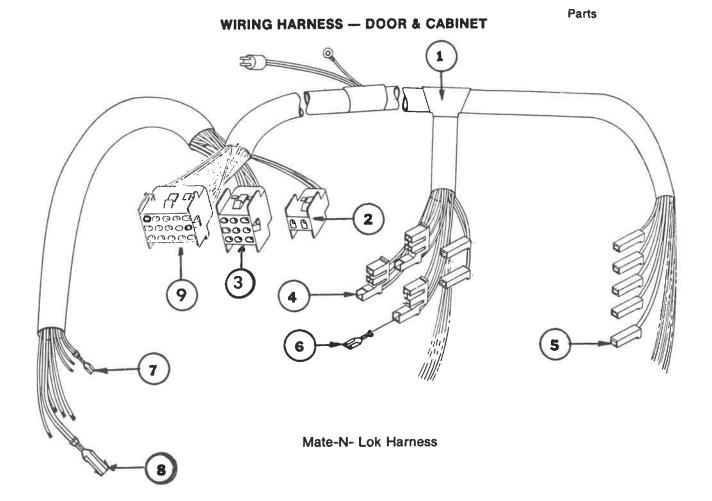
PART NUMBER DN168/99-6 - DN24 C154,050,101.43	PART NAME AND DESCRIPTION 40/138-6 - DN276/162-6 - DN330/189-6		
	TU/ 190-0 - DN2/0/102-0 - DN330/189-6		
804,800,410.01_	Starter		
A172,150,090.03	<u> </u>		
804,400,100.01	- Gutter		
	Ballast		
804,700,050.01	Fluorescent Lamp		
	DN368/216-8 - DN440/252-8		
	Fluorescent Lamp Panel		
	Starter		
	Gutter		
	Ballast		
	Fluorescent Lamp		
DN368/216-8	5/162-6 - DN330/189-6 - DN320/184-8 - DN440/252-8		
	Screw, S/M #8_x_3/4		
904,900,710.01	Starter_Socket		
	Screw, S/M #8 x 1/2		
<u>900,301,500.01</u>	Screw, Self Drilling #8 x 1/2		
<u>900,300,040.01</u>	Screw, S/M #8 x 3/4		
<u>904,901,230.01</u>	Lamp Holder		
900,300,040.01	<u>Screw, S/M #8 x 3/4</u>		
A164,150,571.23	Wire Cover		
900,600,230.02	Screw, S/M #8 x 1/2		
A208,051,500.03	Sign Lead Assembly		
904,600,710.01	Mate-N-Lok Plug		
A176,150,210.33	Angle, Coin Chute		
900,600,230.02	Screw, S/M #8 x 1/2		
900,201,220.11	Screw Machine, #8 x 3/4		
	Relay, Plug in Type		
904,600,620.01	Relay Socket, plug in type relay		
904,600,600.01	Coin Changer Socket		
	Change Hopper		
	Bracket, Relay Box		
	Snap Bushing		
	Coin Deflector		
	Shoulder Screw		
	Burst Open Latch, S/A		
	Frame, Discharge Port		
	_ Pop Rivet		
	Nyliner		
	_ Bottom Hinge, inner door		
	Top_Hinge, inner door		
	Hex Nut - Top Hinge 10-32		
——————————————————————————————————————	Delivery Door, Chute		
	Hinge Pin Lock Nut - Elastic		
	C166,161,901.03 804,800,410.01 A176,150,320.03 804,400,100,01 804,700,150.01 99-6 - DN240/138-6 - DN270 DN368/216-8 900,300,040.01 900,300,340.01 900,300,040.01 900,300,040.01 904,901,230.01 900,300,040.01 A164,150,571.23 900,600,230.02 A208,051,500.03 904,600,710.01 A176,150,210.33 900,600,230.02 900,201,220.11 804,200,170.01		

WHEN ORDERING PARTS, INDICATE MODEL #AND SERIAL #OF VENDER.
ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.



ITEM NO.	PART NUMBER	PART NAME AND DESCRIPTION
		- DN276/162-6 - DN330/189-6
1	C251,050,200.03	Selector Panel Ass'y.
2	C251,050,100.03	Selector Panel W/A
3	D251,050,020.03	Cover, Select Panel - white
4	C176,073,300.03	Wiring Harness Select Panel
	DN320/184-8 -	
1	C241,050,400.03	Selector Panel Ass'y.
2	C241,050,300.03	Selector Panel W/A
3	D241,050,020.03	Cover, Select Panel - white
4	C241,050,200.03	Wiring Harness Select Panel
DN168/	/99-6 - DN240/138-6 - DN276 DN368/216-8 -	5/162-6 - DN330/189-6 - DN320/184-8
5	804,100,440.01	Select Switch
6	A901,700,430.01	Spring, Select Switch
7	905,800,400.01	Insulator - Switch
8	A208,050,150.73	Support - Switch
9	A143,051,220.73	Retainer - Coin Insert
10	900,300,160.01	Screw, S/M #6 x 1/2
11	801,804,310.01	Coin Chute, Gray
12	801,804,320.01	Cover, Coin Chute, Gray
13	A208,050,120.33	Retainer - Coin Plunger
14	A901,700,630.01	Spring - Coin Plunger
15	B801,303,510.11	_Coin Return Plunger
16	D801,200,920.21	Coin Insert - only
17	A904,700,180.21	Correct Change Lamp
18	903,809,320.01	Instruction Label (Specify price)
19	901,100,500.01	Blind_Rivet
21	A801,803,890.01	Select Button Ass'y Plain
22	804,700,210.01	Sold Out Lamp
23	903,807,690.01	Flavor Strip (Specify Flavor)
24	A903,805,040.01	Strip 12 oz. Cans
25	BM213,010,600.04	Coin Insert Ass'y. Complete

WHEN ORDERING PARTS, INDICATE MODEL #AND SERIAL #OF VENDER.
ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

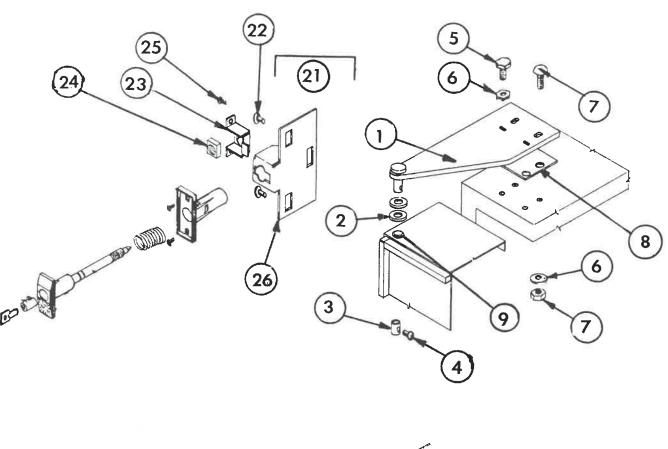


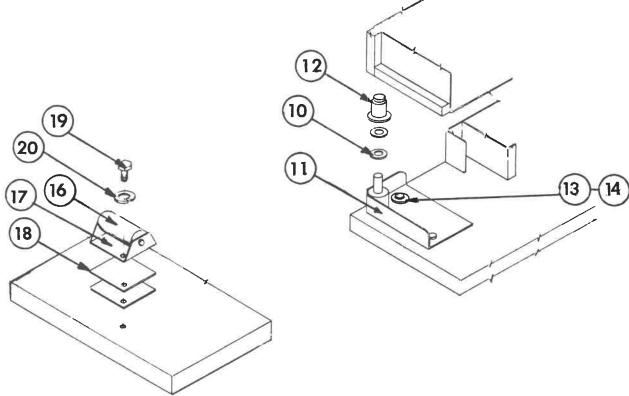
Parts List

WIRING HARNESS - DOOR AND CABINET

ITEM NO.	PART NUMBER	PART NAME AND DESCRIPTION	
	DN168/99-6 - DN240/138-6	- DN276/162-6 - DN330/189-6	
1	F251,070,100.03	Wiring Harness, Door & Cabinet	
	DN320/184-8	- DN368/216-8 - DN440/252-8	
1	F241,070,100.03	Wiring Harness, Door & Cabinet	
DN16	DN168/99-6 - DN240/138-6 - DN276/162-6 - DN330/189-6 - DN320/184-8 DN368/216-8 - DN440/252-8		
_ 2 _	904,600,700.01	Mate-N-Lok Cap, 2-way	
3_	904,600,660.01	Mate-N-Lok Cap, 9-way	
4	904,600,560.01	Receptacle Housing (187)	
5_	904,600,040.01	Receptacle Housing (250)	
6_	904,600,520.01	Faston Receptacle (187)	
7_	904,600,530.01	Faston Receptacle (187) 2 wire	
8_	904,600,380.01	Faston Receptacle (250) 2 wire	
9	904,600,820.01	Mate-N-Lok Cap - 15-Way	

WHEN ORDERING PARTS INDICATE MODEL # AND SERIAL # OF VENDER.
ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

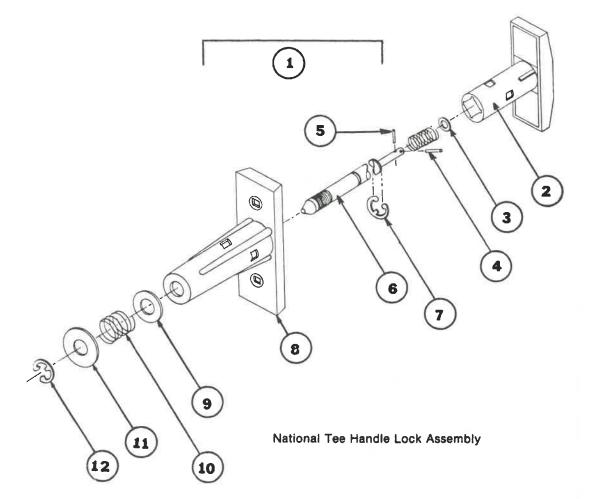


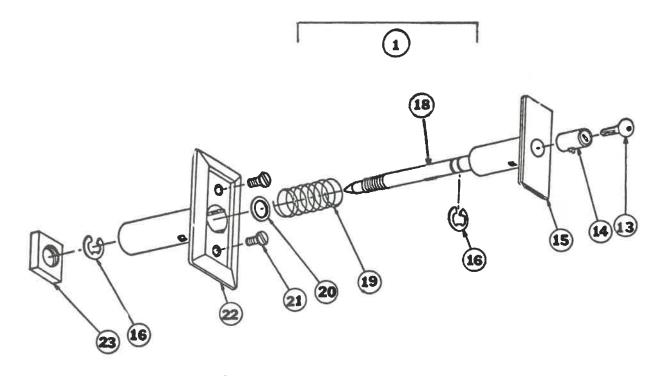


HINGES ASSY. LIFTER & ROLLER

NO.	PART NUMBER	PART NAME AND DESCRIPTION
DN168/99-6 - DN240/138-6 - DN2 DN368/216-8		6/162-6 - DN330/189-6 - DN320/184-8 - DN440/252-8
1	B801,501,710.31	Top Hinge
2	900,700,600.01	Flat Washer
3	A800,502,030.01	Collar - Hinge Pin
4	A900,201,260.01	Lock Screw
5	900,900,470.02	Cap Screw
6	903,000,070.02	Lockwasher, 1/4 - 20
7	900,201,170.01	Carriage Bolt and Nut
8	A169,000,150.13	_ Hinge Spacer
9	801,803,150.01	Bearing Nyliner
10	900,700,530.01	Washer
11	B169,000,100.93	Bottom Hinge, W/A
12	A901,800,330.51	Flanged Bushing
13	900,700,710.01	Lockwasher
14	900,900,470.02	Screw Machine, 1/4 x 20 x 3/4
16	A801,801,330.51	Roller
<u>1</u> 7	A142,161,700.63	Assembly Lifter and Roller
18	A142,160,580.43	Spacer - Roller Bracket
19	900,200,290.01	Screw, Machine, 10-24 x 3/4
20	903,000,170.02	Lockwasher
21	B169,000,080.83	Latch Strike Assembly
22	900,900,470.02	Screw, Machine, 1/4-20 x 3/4"
23	B801,303,320.61	Nut - Housing
24	A900,800,570.11	Nut
25	900,301,560.01	Screw, Sems
26	B176,150,160.33	Nut Retainer Housing

WHEN ORDERING PARTS, INDICATE MODEL # AND SERIAL # OF VENDER.
ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.





Chicago Tee Handle Lock Assembly

Parts List

PULL-OUT HANDLE

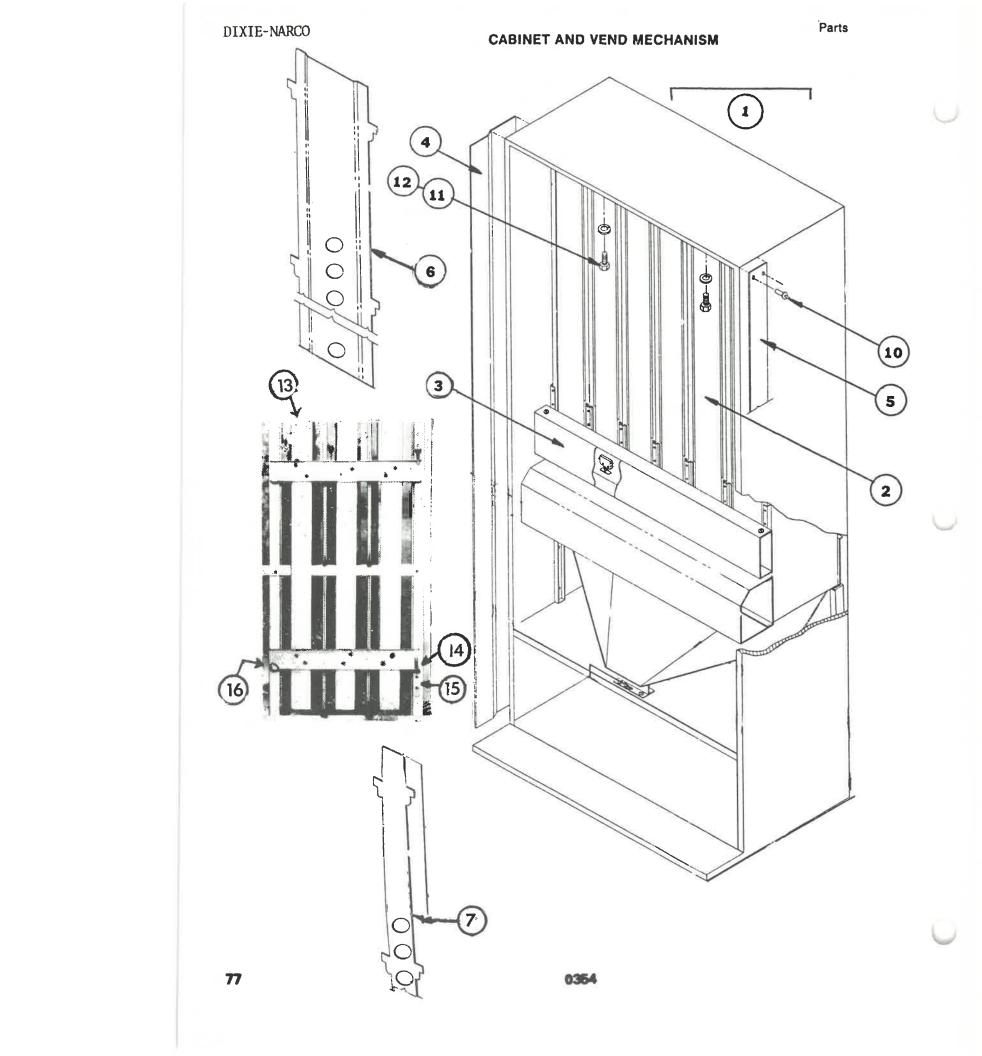
NO.	PART NUMBER	PART NAME AND DESCRIPTION	
DN	DN168/99-6 - DN240/138-6 - DN276/162-6 - DN330/189-6 - DN320/184-7 DN368/216-8 - DN440/252-8		
_ 1 _	801,501,860.31	Pull out Handle, Complete	
_ 2 _	<u>NI-0472-103-6</u>	Handle	
3_	NI-0472-255	Spring Support Washer	
4_	NI-0472-256	PinPin	
_ <u>5</u> _	NI-0472-254	PinPin	
6_	<u>NI-0472-253-1</u>	Spindle	
_ 7 _	NI-0472-132-1	Retaining Ring	
<u>8</u> _	NI-0472-102-6	Handle_Pocket	
9_	NI-0472-133-1	Inside_Washer	
_ 10_	NI-0472-255-1	Spring	
11_	NI-0472-129-1	Washer	
<u>1</u> 2_	NI-0472-132-1	Retaining Ring	
13_		Key, Specify Key Number	
_ 14	801,501,470.01	Locks w/2 keys	
<u>1</u> 5_	4265-2	Handle	
16_	31-5	C-Clip	
18	4255-6-43W	Bolt Threaded, short	
19_	901,700,640.01	Spring	
20	900,700,760.01	Washer	
21_	900,901,510.02	Screw, Machine, 10-32 x 5/8	
22	4265-1	Body	
23	A900,800,570.11	Nut, Square, 1/2 x 13	

WHEN ORDERING PARTS, INDICATE MODEL #AND SERIAL #OF VENDER ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

CABINET AND VEND MECHANISM

ITEM	D4D# 149.00#D	7477 1417 117 117
NO.	PART NUMBER	PART NAME AND DESCRIPTION
١, ١	P154 040 001 EE	DN168/99-6
$-\frac{1}{2}$	D154,060,001.73	Cabinet Ass'y., Less Stack
$-\frac{2}{3}$	F237,070,000.13D	Vend_Mechanism_Complete
$-\frac{3}{4}$	F237,071,000.03D	Stack W/Ass'y. W/Gate Installed
-4-	C168,000,030.83	Protective Plate L.S. Cabinet
5_	<u>C168,000,040.83</u>	Protective Plate R.S. Cabinet
6 _	<u>C173,070,130.23</u>	Bottle Guide Standard Column
7_	C245,070,100.01	Bottle Guide Narrow Column
10_	901,100,440.01	<u>Drive_Rivet_1/4_Protective_Plate_Cab</u>
_ 11_	900,900,470.01	Cap_Screw
12_	903,000,070.01	Washer
13_	C245,070,200.03	W/A Gate
14_	A231,070,300.03	W/A Gate Hinge
15_	901,100,390.01	Pop Rivet
16	A231,070,260.03	Gate Latch
		DN240/138-6
1_1_	D155,060,001.73	Cabinet Ass'y., Less Stack
2	F237,070,000.13C	Vend Mechanism Complete
_ 3 _	F237,071,000.03C	Stack Ass'y. W/Gate Installed
4_	C166,000,030.93	Protective Plate L.S. Cabinet
5_	B166,000,040.83	Protective Plate R.S. Cabinet
6_	C172,070,130.33	Bottle Guide Standard Column
_ <u>7</u>	C240,070,100.23	Bottle Guide Narrow Column
10	901,100,440.01	Drive Rivet 1/4 Protective Plate Cab.
_ 11_	900,900,470.01	Cap Screw
_ 12_]	903,000,070.01	Washer
13	C237,070,500.03	W/A Gate
14_	A231,070,300.03	W/A Gate Hinge
15	901,100,390.01	Pop Rivet
16	A231,070,260.03	Gate Hinge
		DN276/162-6
1_1_	D215,060,000.23	Cabinet Ass'y., Less Stack
2	F237,070,000.13B	Vend Mechanism Complete
3	F237,071,000.03B	Stack w/Ass'y. W/Gate Installed
4	C165,000,030.73	Protective Plate L.S. Cabinet
5	B165,000,040.73	Protective Plate R.S. Cabinet
6	C165,070,331.03	Bottle Guide Standard Column
7	C239,070,100.23	Bottle Guide Narrow Column
10	901,100,440.01	Drive Rivet 1/4 Protective Plate (ab.
11	900,900,470.01	Cap Screw
12	903,000,070.02	Washer
13	C237,070,500.03	W/A Gate
14	A231,070,300.03	W/A Gate Hinge
15	901,100,390.01	Pop Rivet
16	A231,070,260.03	Gate Latch
		2300 200011

WHEN ORDERING PARTS, INDICATE MODEL # AND SERIAL # OF VENDER.
ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.



CABINET AND VEND MECHANISM

NO.	PART NUMBER	PART NAME AND DESCRIPTION
		DN330/189-6
_1	D156,060,001.53	Cabinet Ass'y., Less Stack
2	F237,070,000.13A	Vend Mechanism Complete
3	F237,071,000.03A	Stack W/Ass'y. W/Gate Installed
4	C164,000,030.93	Protective Plate L.S. Cabinet
5	B164,000,040.93	Protective Plate R.S. Cabinet
6	C164,070,331.23	Bottle Guide Standard Column
7	C231,070,500.23	Bottle Guïde Narrow Column
10	901,100,440.01	Drive Rivet 1/4 Protective Plate Cab.
11_	900,900,470.01	Cap Screw
12	903,000,070.02	Washer
13	C237,070,500.03	W/A Gate
14	A231,070,300.03	W/A Gate Hinge
15	901,100,390.01	Pop Rivet
16	A231,070,260.03	Gate Latch
		DN320/184-8
1_	D166,060,001.13	Cabinet Ass'y., Less Stack
2	F231,070,000.13C	Vend Mechanism Complete
3	F231,071,000.03C	Stack W/Ass'y. W/Gate Installed
4	C166,000,030.93	Protective Plate L.S. Cabinet
5	B166,000,040.83	Protective Plate R.S. Cabinet
6	C172,070,130.33	Bottle Guide Standard Column
7	C240,070,100.23	Bottle Guide Narrow Column
10	901,100,440.01	Drive Rivet 1/4 Protective Plate Cab.
11	900,900,470.01	Cap Screw
12	903,000,070.01	Washer
13	A231,070,100.03	W/A Gate
14	A231,070,300.03	W/A Gate Hinge
15	901,100,390.01	Pop Rivet
16	A231,070,260.03	Gate Latch
		DN368/216-8
1_	D165,060,001.23	Cabinet Ass'y., Less Stack
2	F231,070,000.13B	Vend Mechanism Complete
3	F231,071,000.03B	Stack W/Ass'y. W/Gate Installed
4	C165,000,030.73	Protective Plate L.S. Cabinet
5	B165,000,040.73	Protective Plate R.S. Cabinet
6	C165,070,331.03	Bottle Guide Standard Column
7	C239,070,100.23	Bottle Guide Narrow Column
10	901,100,440.01	Drive Rivet 1/4 Protective Plate Cab.
11	900,900,470.01	Cap Screw
12	903,000,070.02	Washer
13	A231,070,100.03	W/A Gate
14	A231,070,300.03	W/A Gate Hinge
15	901,100,390.01	Pop Rivet
16	A231,070,260.03	Gate Latch

WHEN ORDERING PARTS, INDICATE MODEL # AND SERIAL # OF VENDER.

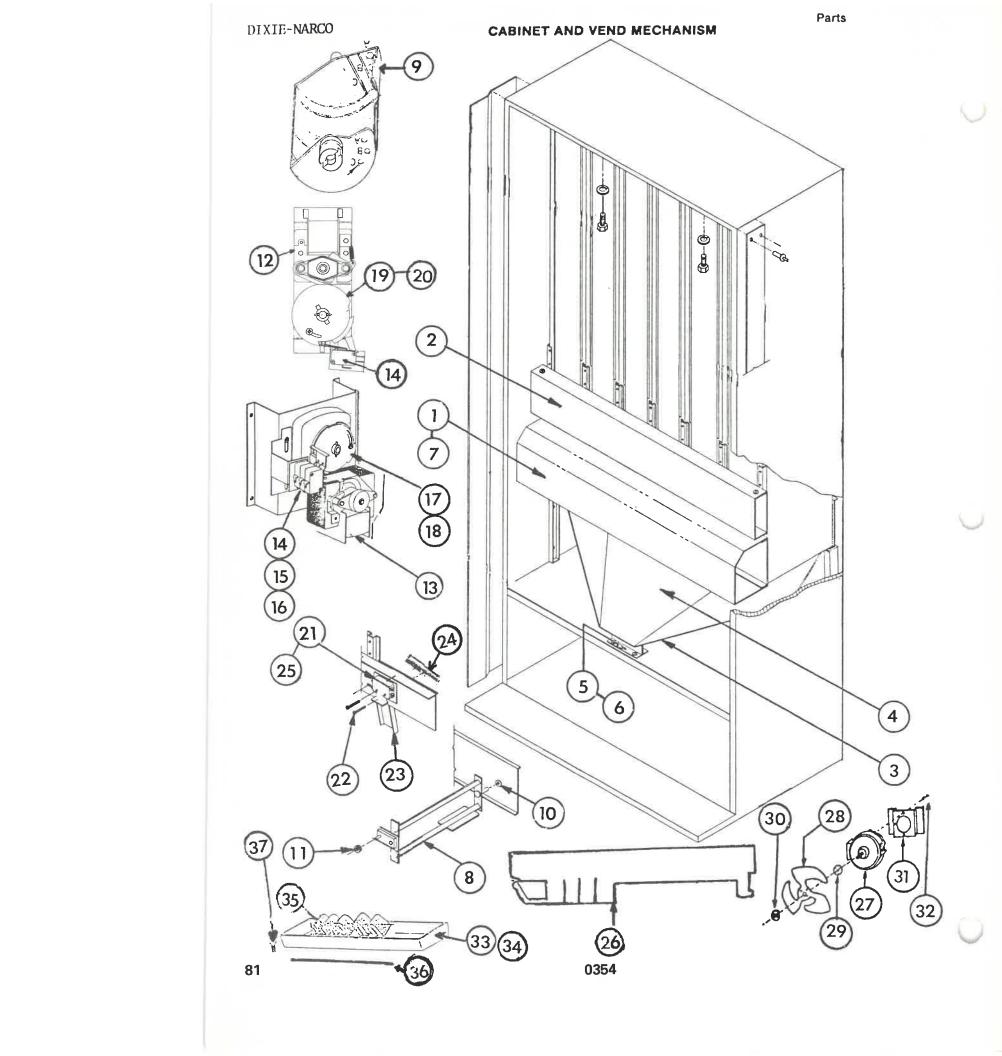
ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Parts List

CABINET AND VEND MECHANISM

ITEM NO.	PART NUMBER	PART NAME AND DESCRIPTION
	TIELT HOLDERY	DN440/252-8
_1	_ D164,060,001.23	Cabinet Ass'y., Less Stack
_ 2	F231,070,000.13A	Vend Mechanism Complete
_ 3 _	F231,071,000.03A	Stack W/Ass'y. W/Gate Installed
4_	C164,000,030.93	Protective Plate L.S. Cabinet
5_	_ B164,000,040.93	Protective Plate R.S. Cabinet
6	C164,070,331.23	Bottle Guide Standard Column
<u> 7</u> _	<u>C231,070,500.23</u>	Bottle Guide Narrow Column
10	901,100,440.01	Drive Rivet 1/4 Protective Hate Cab.
11_	900,900,470.01	Cap Screw
12	903,000,070.02	Washer
13	A231,070,100.03	W/A Gate
14	A231,070,300.03	W/A Gate Hinge
15_	901,100,390.01	Pop Rivet
16	A231,070,260.03	Gate Latch

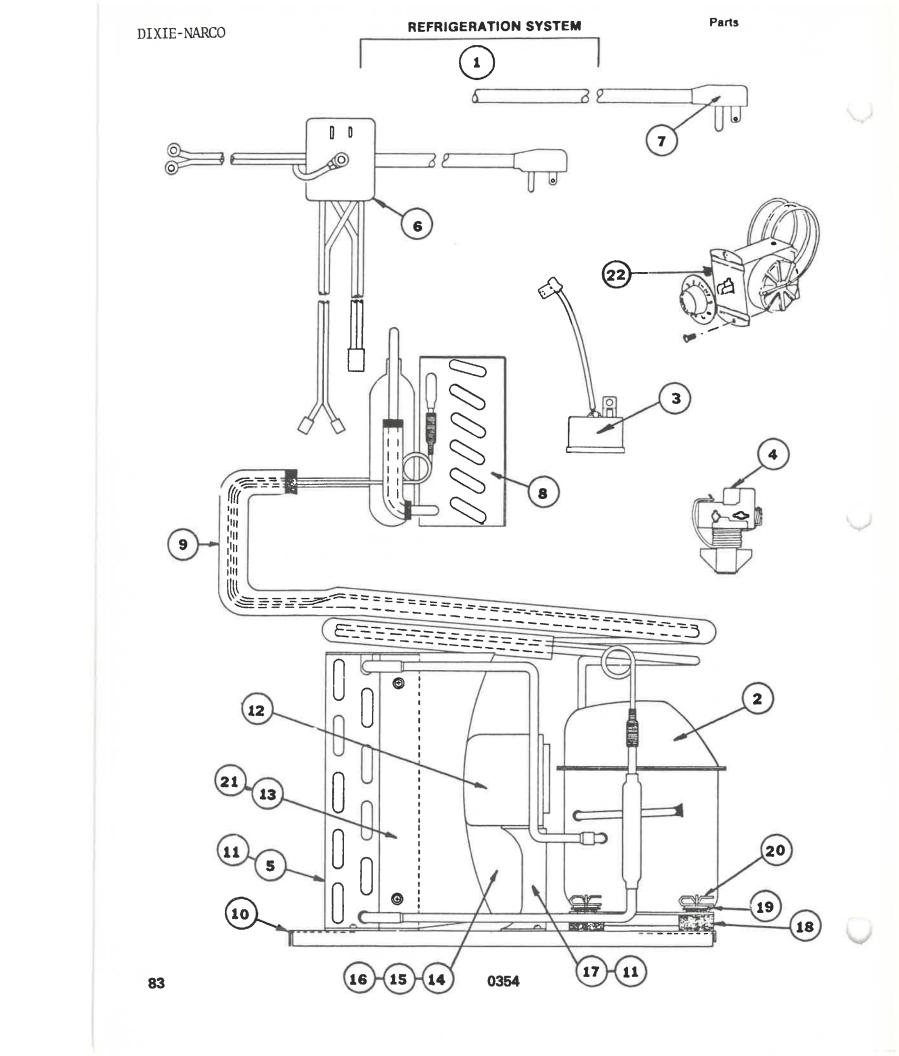
WHEN ORDERING PARTS, INDICATE MODEL #AND SERIAL #OF VENDER.
ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.



CABINET AND VEND MECHANISM

ITEM NO.	PART NUMBER	PART NAME AND DESCRIPTION
	DN168/99-6 - DN240/138	-6 - DN276/162-6 - DN330/189-6
1_	D237,070,250.03	Cover, Vend Motor
2_	B237,070,080.03	Cover, Sold Out Switch, S/A
3_	C208,070,100.43	Can & Bottle Chute Ass'y., Complete
4	D208,070,020.43	Liner Only, Chute
	DN320/184	-8 - DN368/216-8 - DN440/252-8
_1	C176,070,250.03	Cover, Vend Motor
_ 2 _	B231,070,220.03	Cover, Sold Out Switch, S/A
3_	C211,070,100.13	Can & Bottle Chute Ass'y. Complete
4	D211,070,020.23	Liner Only Chute
L	8/99-6 - DN240/138-6 - DN DN368/216-	276/162-6 - DN330/189-6 - DN320/184-8 8 - DN440/252-8
- 5	<u>B147,074,400.73</u>	Bracket Chute
6_	<u>900,900,960.02</u>	Hex Nut - 10-32 (Chute)
_7	900,301,560.01	Screw Sems - (Cover, Vend Motor)
8 _	$$ $\frac{801}{200}$, $\frac{940}{11}$	Oscillator Standard Stack
9_	<u>801,200,980.61</u>	Vend Rotor (Narrow Column)
$-\frac{10}{}$	801,803,170.01	Nyliner (Rear Stack)
_ 11_	<u>801,804,230.01</u>	Nyliner (Oscillator Front)
_ 12_	C231,070,400.03	Vend Motor (Narrow Column)
$-^{13}$	179,070,600.33	Vend_Motor (Red_Cam_Standard_Column)_
_ 14_	804,100,500.01	Cluster Switch, Vend Motor
_ 15	$\underline{}$	Screw, Vend Motor Seitch
16_	<u> 905,800,330.01</u>	Insulator - Vend Motor Switch
17_	C801,804,090.21	Vend Motor Cam - (Red) Standard Stack
18_	C801,804,000.41	Adjustable Cam - (White) Standard Stack
19_	C801,804,290.01	Adjustable Cam - (Red) Narrow Column
<u>2</u> 0_	C801,804,090.01	Cam, Vend Motor (Narrow Column)
21_	804,100,490.01	Switch, Sold Out Cluster
22	<u>900,301,670.01</u>	Screw, Sold Out Switch #4 x 1 1/4"
23_	C231,070,170.43	Paddle, Sold Out Switch
24_	<u>901,700,630.01</u>	Spring, Sold Out Paddle
25_	<u> 801,804,350.01</u>	Insulator, Switch
_2 <u>6</u> _	<u>C801,804,390.21</u>	Shims, 12 oz. Can (Plastic)
27_	B143,000,301.03	Fan Motor S/A - Evap.
28_	901,303,270.01	Fan Blade - Evap.
29_	<u>900,100,970.02-2</u>	Silencer
30_	900,100,970.02-1	Speed Nut
31_	B164,040,080.63	Bracket, Fan Motor
32_	<u> </u>	Screw,_Self_Tapping (10-24)
33_	B169,000,200.63	Ass'y. Pan & Soaker
34_	C801,804,240.11	Condensate Pan (Only Black)
35	901,900,020.01	Soakers
36	901,400,060.01	Rods, for Soaker 14"
37	900,301,650.01	Screw, Self Drilling

WHEN ORDERING PARTS, INDICATE MODEL # AND SERIAL # OF VENDER.
ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.



REFRIGERATION SYSTEM

ITEM NO.	PART NUMBER	PART NAME AND DESCRIPTION
	11012 1101 20201	DN168/99-6 - DN240/138-6
1	D142,040,002.43	
- -	802,500,110.01	Refrigeration System Complete, Model 400
$\frac{2}{2}$	802,500,110.01	Compressor, Model AE3430A Tecumseh
3_	83458	Compressor, 1/4 H.P. Americold
	 	Overload for AE3430A Compressor Tecumseh
<u> </u>	(SPMRP-26_ALL-34)	Overload for AE3430A Compressor Tecumseh
*	1456-3163 MET 224 K 710	Overload for 1/4 H.P. Americold
	MST22ALK-319	Overload for 1/4 H.P. Americold
_4 <u>A·</u> _	<u>82684</u>	Relay for AE3430A Compressor Tecumseh
- 	(SP9660-040-176)	Relay for AE3430A Compressor Tecumseh
#D	82483	Relay_for_AE3430A Compressor Tecumseh
	(GE3ARR12-PB162)	Relay_for_AE3430A_Compressor_Tecumseh_
<u> 4</u>	<u>1456-3164</u>	Relay_for_1/4_H.P. Americold
	3CR-203-180	Relay for 1/4 H.P. Americold
5	C808,600,540.02	Condenser
		DN320/184-8 - DN368/216-8 - DN440/252-8
	D143,040,402.13	Refrigeration System Complete, Model 300
<u> 2</u>	<u>802,500,170.01</u>	Compressor, Model AE3440A Tecumseh
<u> 3</u>	TEC8300MRTA78	Overload for AF:3440A Compressor Tecumseh
*	(<u>SPMRT-22AIN-34)</u>	Overload for AE3440A Compressor Tecumseh
4A	TEC8209660A09	Relay for AE3440A Compressor Tecumseh
*	(<u>SP9660-040-182)</u>	Relay for AE3440A Compressor Tecumseh
4B	820RR12A10	Relay for AE3440A Compressor Tecumseh
*	(GE3ARR12-PB220)	Relay_for_AE3440A Compressor Tecumseh
5	D808,700,090.02	Condenser
DN16	8/99-6 - DN240/138-6 - DN DN368/216-	N276/162-6 - DN330/189-6 - DN320/184-8 -8 - DN440/252-8
6	C804,900,601.51	Main Wiring Harness
7_	A904,900,610.81	Compressor Lead w/plug
8	B802,600,370.51	Evaporator
9	903,300,530.01	Insulator Tube
10	C164,040,120.43	Base Plate - Condensing Unit
11	900,301,560.01	Screw Sems
12	802,302,120.02	Fan Motor
13	902,100,160.02	Shroud
14	900,103,370.02	Fan Blade
15	900,100,970.02-2	Silencer
16	900,100,970.02-1	Speed Nut
17	900,102,970.02	Fan Bracket
18	902,000,570.01	Grommet, Compressor Mounting
19	A901,803,910.11	Plug, Compressor Grommet
20	A900,901,880.01	Retainer Clip, Compressor Mounting
21	900,300,160.01	Screw, S/M #6 x 23/8
22	802,800,090.01	
22	002,000,000.01	Temperature Control

^{*}Relative to Relays & Overloads, the numbers that appear in parenthesis () are always stamped on the Relay & Overload. Either #can be used for ordering purposes. WHEN ORDERING PARTS, INDICATE MODEL #AND SERIAL #OF VENDER. ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

