

• 1987 PARTS AND  
SERVICE MANUAL  
FOR  
QUICK-VEND MODELS  
480D AND 570D

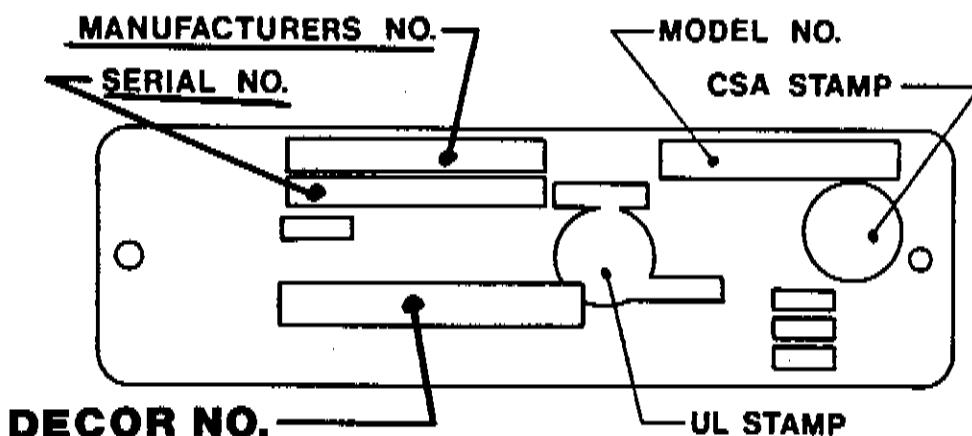
**Vendo®**  
Literature Number 388656

# Vendo®

## INTRODUCTION AND MODEL IDENTIFICATION

The QUICK-VEND MODELS 480D and 570D offer superior package versatility combined with easy conversion and simple loading features, plus a minimum of component parts in its vend mechanism.

The QUICK-VEND MODELS 480D and 570D have the double door design that allows the display door (with latches) to remain closed while servicing coinage, changing the display light or flavor strips, etc. WHEN REQUESTING INFORMATION ABOUT YOUR VENDER, PLEASE REFER TO THE COMPLETE MANUFACTURERS NUMBER, SERIAL NUMBER, AND DECOR NUMBER. This information may be obtained from the metal identification plate attached to the side of the cabinet.



### MANUFACTURER'S MONTH CODE

JANUARY . . . . .	B	JULY . . . . .	N
FEBRUARY . . . . .	D	AUGUST . . . . .	P
MARCH . . . . .	F	SEPTEMBER . . . . .	Q
APRIL . . . . .	H	OCTOBER . . . . .	R
MAY . . . . .	K	NOVEMBER . . . . .	S
JUNE . . . . .	M	DECEMBER . . . . .	T

### SPECIFICATIONS

NOTE: ALL ELECTRICAL REQUIREMENTS ARE 115 VOLT AC - 60 HERTZ

SALES MODEL	HEIGHT	WIDTH	DEPTH	REFRIC.	SHIPPING WT.
480 D	72"	38.5"	29.5"	S 1/3	785 LB.
570 D	79"	38.5"	29.5"	S 1/3	835 LB.

### CAPACITIES\*

SALES MODEL	CANS			BOTTLES					
	RIMMED 10 OZ	RIMLESS 10 OZ	12 OZ	POLYLABLED 10 OZ	PET 16 OZ	16 OZ	RETURNABLE 6.5 OZ	10 OZ	16 OZ
480D	540	540	480	320	280	280	190	180	160
570D	630	660	570	360	320	340	230	210	190

\* WITH BAIL BUCKET LOADED

# PARTS SECTION

## PARTS SECTION INDEX

INDEX . . . . .	2
PROCEDURES . . . . .	3
READING PARTS LIST . . . . .	4
SIGN FACE AND SIDE DECALS . . . . .	5
COKE - OUTER DOOR . . . . .	6,7
COKE - CONTROL PANEL . . . . .	8,9
COKE - DOOR HARNESS . . . . .	10,11
COKE - INNER DOOR . . . . .	12,13
DR PEPPER - OUTER DOOR . . . . .	14,15
DR PEPPER - CONTROL PANEL . . . . .	16,17
DR PEPPER - DOOR HARNESS . . . . .	18,19
DR PEPPER - INNER DOOR . . . . .	20,21
PEPSI MAG "C" - OUTER DOOR . . . . .	22,23
PEPSI MAG "C" - CONTROL PANEL . . . . .	24,25
PEPSI MAG "C" - DOOR HARNESS . . . . .	26,27
PEPSI MAG "C" - INNER DOOR . . . . .	28,29
TRADE - OUTER DOOR . . . . .	30,31
TRADE - CONTROL PANEL . . . . .	32,33
TRADE - DOOR HARNESS . . . . .	34,35
TRADE - INNER DOOR . . . . .	36,37
LOCK ASSEMBLY - "T" HANDLE . . . . .	38,39
CABINET ASSEMBLY . . . . .	40,41
STACK ASSEMBLY . . . . .	42,43
MECH ASSEMBLY . . . . .	44,45
VEND MECH ASSEMBLY . . . . .	46,47
REFRIGERATION ASSEMBLY . . . . .	48,49
LABELS AND DECALS . . . . .	50
FLAVOR LABELS (COKE & TRADE) . . . . .	51
FLAVOR LABELS (DR PEPPER) . . . . .	52
FLAVOR LABELS (PEPSI MAG) . . . . .	53
KIT LIST . . . . .	112
SPARE PARTS LIST . . . . .	113

## PARTS ORDERING PROCEDURE

WHEN ORDERING PARTS, INCLUDE THE FOLLOWING INFORMATION:

1. Shipping address.
2. Address where the invoice should be sent.
3. The part number or part identification.
  - a. Always refer to the pertinent parts and service manual(s) for the correct part number and part description. If you do not have the right parts manual at the time you order contact THE VENDO COMPANY at 7209 N. INGRAM, FRESNO, CALIFORNIA, 93650 or call (800) 344-7216 or in California call (800) 742-1815 for our parts department.
  - b. Do not hold the order pending receipt of the parts manual. Use as complete of a description as you can. Include the model and serial numbers of the machine, name of the assembly in which the part is used and, if practical, a sample part. Also furnish any further information that will enable our parts department to pinpoint the exact part needed.
4. The quantity of parts required.
5. Always include on the order the model number, the serial number and the decor number of the machine for which the parts are needed.
6. List any special shipping instructions.
  - a. Always note on the order if you require United Parcel Service (UPS), Air, Air Special, Truck or Parcel Post shipping. Normal mode of shipping from Vendo is UPS ground.
  - b. If a specific carrier is desired, also note that on the order.
  - c. Freight charges will be added to the parts invoice.
7. Sign and date the order. Keep a copy for your records.
8. When a purchase order is used, be sure that it is legible and visible.
9. Mail your order to: THE VENDO COMPANY, 7209 N. INGRAM, FRESNO, CALIFORNIA 93650.
10. All orders are carefully packed and inspected prior to shipment. Report any packing list discrepancies to parts department within 5 days of receipt of order. Damage incurred during shipping should be reported at once and a claim filed with the terminating carrier.

NOTE: When "right" and "left" are used in connection with the name of a part, it is taken to mean that the person is facing the vendor with ALL doors closed.

## MATERIAL RETURN PROCEDURE

All items returned must be accompanied by material return tags (P/N L1496) clearly stating the reason for return. (Tags are available from our parts department upon request). To replace an inoperative part, please use the following instructions.

1. If a spare part was taken from your available parts stock and used to replace inoperative part.
  - a. Complete the return tag making sure to fill in ALL requested information.
  - b. Keep top (white) copy for your records.
  - c. Attach tag to inoperative part and send it by the cheapest method of transportation, (usually UPS ground), to: THE VENDO COMPANY, 4015 EAST RAINES ROAD, MEMPHIS, TENNESSEE 38118.
  - d. A like part will be shipped:
    - 1) At no charge if our inspection shows that the inoperative part became defective in warranty,
    - 2) And invoiced if the inoperative part does not meet the terms of the warranty.
- Note: The returned part will be scrapped to eliminate any further handling charges.
2. If spare part is not available,
  - a. Order part using parts ordering procedure. The part will be shipped and invoiced to you.
  - b. After the part is received, follow the procedure outlined above in step 1.
    - 1) Be sure to check the box marked "credit" and to fill in the invoice number covering the part.
  - c. If our inspection shows that the inoperative part was defective in warranty, a credit will be issued to cancel the invoice on which the replacement part was shipped. This credit will include any prepaid transportation charges.
    - 1) To receive credit the inoperative part must be returned within 30 days from the date the replacement was shipped.
    - 2) Vendo does not issue cash credit for the return of any part or accessory.

## REFRIGERATION RETURN PROCEDURE

Refrigeration units require a separate refrigeration return tag (P/N L1322) for each unit returned. The procedure is the same as the material return, except the white (top) copy is attached to the unit and you keep the copy for your records. All refrigeration units are to be returned to: THE VENDO COMPANY, 4015 EAST RAINES ROAD, MEMPHIS, TENNESSEE 38118. The return tag must be filled out in its entirety. Refrigeration units should also be shipped via cheapest method of transportation (usually UPS ground).

# Vendo®

## READING A PARTS LIST

1. ITEM NO. is found in two locations. One identifying the part on the drawing. Two identifying line on the parts list. the item number. is the identifying reference that ties together information on the parts list to pictorial representation of part on the drawing.
2. PART NO. is the Vendo part number for that specifically identified part.
3. NO. REQ. is the quantity of the part as it is used on this particular assembly page. An A/R means "as required" and is normally used when two different part no. columns are used and the quantity of the indicated part is different for each column.
4. PART NAME AND DESCRIPTION is the Vendo verbal description of that particular part.

FOR THE FOLLOWING STEPS - SEE EXAMPLE BELOW.

5. STEP 1 is the motor plate assembly. Anything indented under the part name of that part is a detail part of the assembly and will be included in the parts order when that assembly number is ordered.
6. STEP 2 is the motor hub assembly. This assembly is a sub-assembly of the motor plate assembly. The detail parts of this sub-assembly are indented under its part name. The detail parts of this sub-assembly will be included with that sub-assembly parts order and the entire sub-assembly will be included on any parts order of the motor plate assembly.
7. STEP 3 shows parts that are not part of the motor hub assembly, but which are part of the motor plate assembly.
8. STEP 4 shows individual parts that are not part of the motor plate assembly. These parts are not part of any normal assembly and must be ordered separately.  
NOTE: A screw in this position is normally used to attach above assembly to vender (in this example tapping screw V801431 attaches motor plate assembly to stack).
9. AN ASTERISK behind the part number, item number, and/or part name indicates a special note at the end of the parts list as it pertains to that part (or any part with that asterisk).

ITEM NO.	PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
1	132031	1	MOTOR PLATE ASSEMBLY
2	132023	1	MOTOR HUB ASSEMBLY
3	385418	1	MOTOR
4	385560	1	DRIVE GEAR
5	V801134	1	SPRING PIN
6*	V800784*	6	TAPPING SCREW* ←
7	385895 ↑	1	CAM COVER - RED
8	V800762	2	TAPPING SCREW
9	132003	2	GEAR
10	V801084	2	RETAINER - "E" RING
11	V801431	4	TAPPING SCREW
ASTERISK			

**Vendo®**

## SIGN FACES AND SIGN DECALS

## SIGN FACES

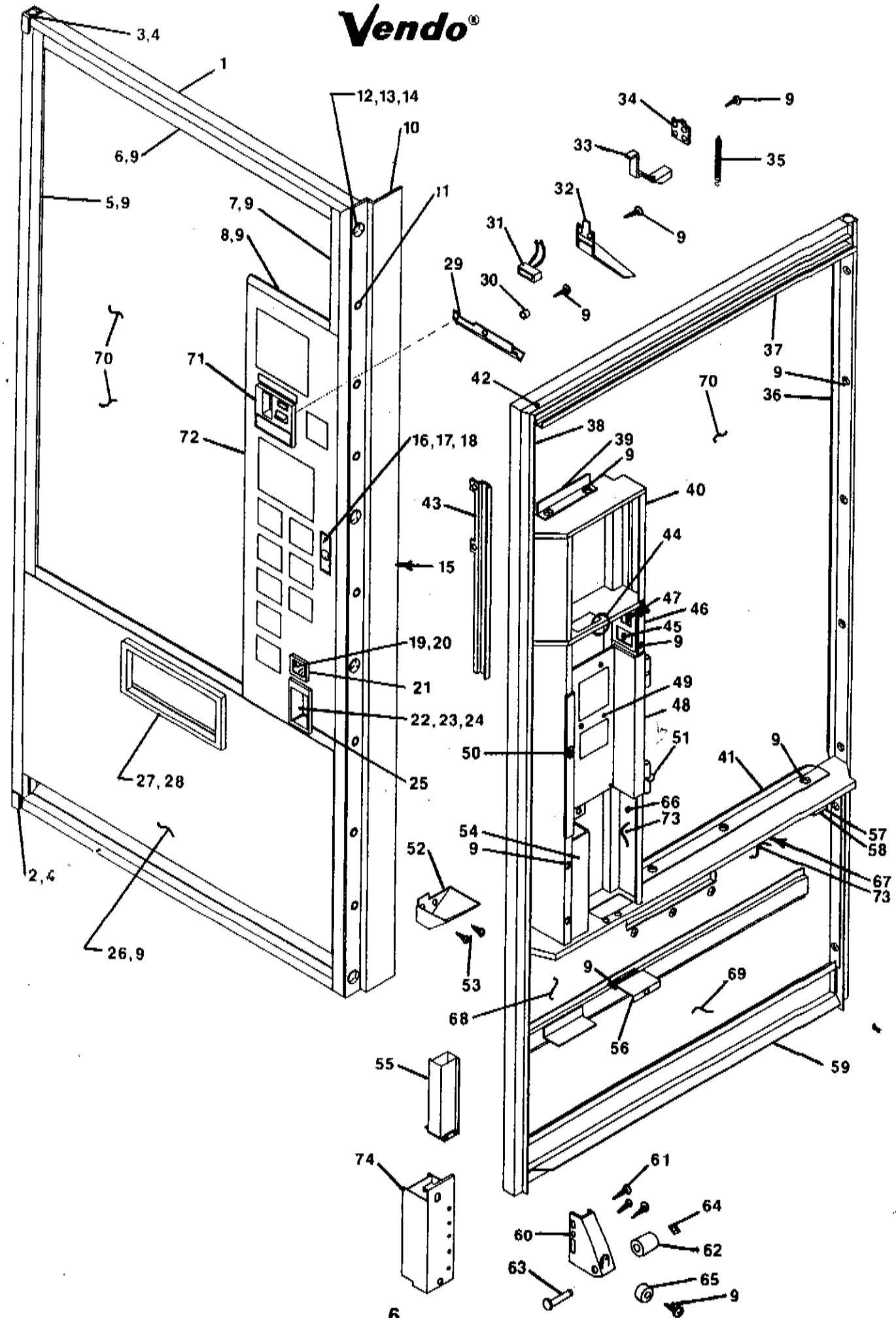
ITEM NO.	480 PART NO.	570 PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
-	387717-3	397717-4	1	COKE
-	387364-1	387364-3	1	DR PEPPER CENTURY II
-	385824-4	385824-5	1	LIKE
-	387901	387901-1	1	PEPSI MAGNUM "C"
-	385174-8	385174-4	1	ROYAL CROWN
-	385176-8	385176-4	1	SEVEN UP
*	26.13x40.13	26.13x53.13	1	TRADE - DEMINSSIONS (WIDTH x HEIGHT)*

\*ORDER MUST INDICATE SIZE AND FRANCHISE NAME

## SIDE DECALS

ITEM NO.	480 PART NO.	570 PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
-	383956-4	383956	2	COKE
-	387366-4	387366-3	2	DR PEPPER CENTURY II
-	385825-1	385825-2	2	LIKE
-	387902-1-	387902	2	PEPSI MAGNUM "C"
-	385175-2	385175-3	2	ROYAL CROWN
-	387264	387264	2	SEVEN UP

**Vendo®**



*driven 3/14/85*

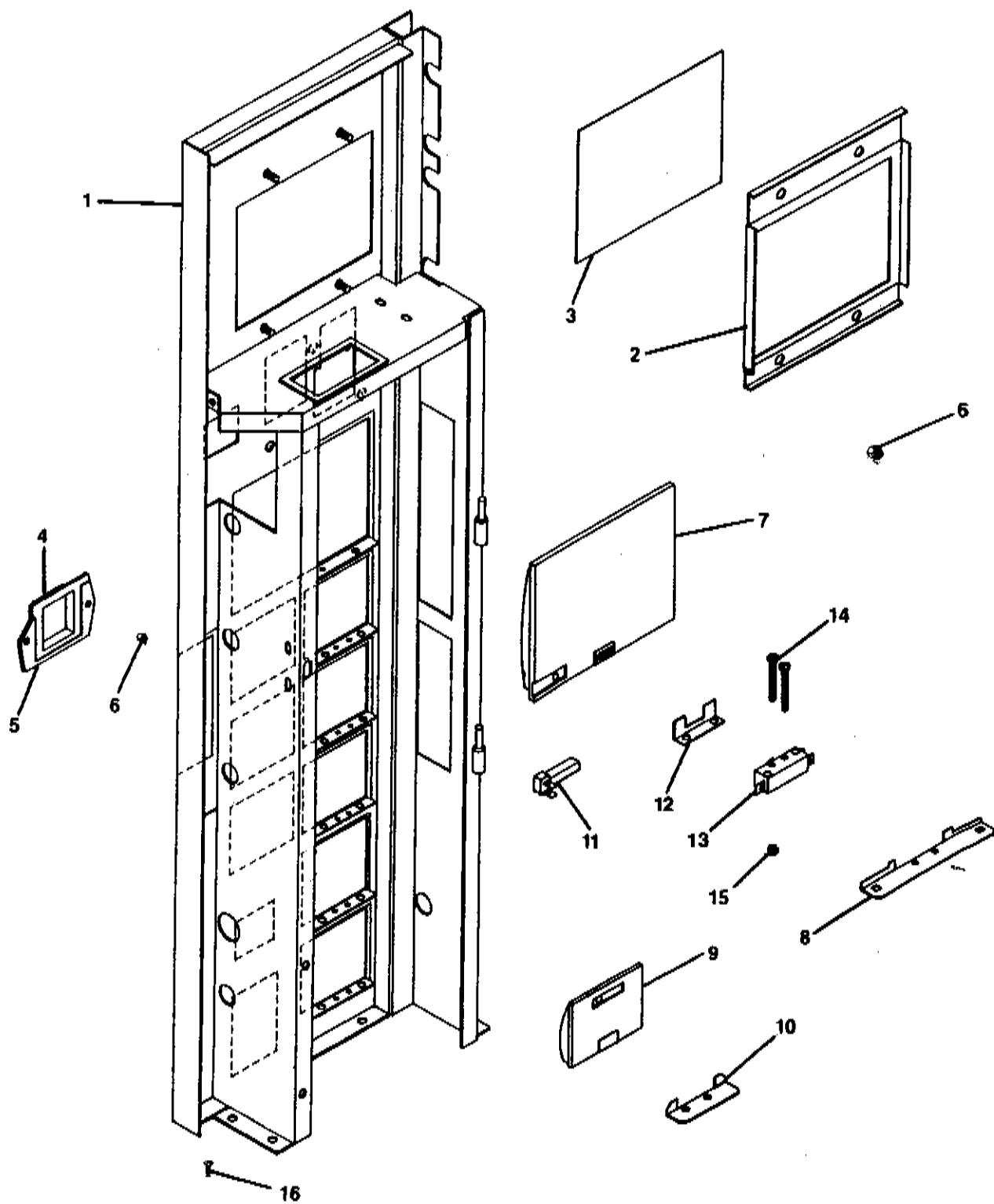
Vendo®

OUTER DOOR ASSEMBLY - COKE

ITEM NO.	480 PART NO.	570 PART NO.	NO. REQ.	PART NAME AND DESCRIPTION	ITEM NO.	480 PART NO.	570 PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
-	133114	133114	1	OUTER DOOR ASSEMBLY	38	385326	385326	1	SIGN RETAINER-R SIDE T
1*	133135-3	133135-5	1	DOOR FRAME WELD#	39	385806	385806	1	SIGN PTMR-CMTRL PNL T
2	383616	383616	1	HINGE PIN CASTING-B	40	385044-2	385044-1	1	SIGN RTRMR-R SIDE/C P
3	383616-1	383616-1	1	HINGE PIN CASTING-T	41	383953-1	383953-1	1	SIGN RETAINER-BOTTOM
4	V801418	V801418	4	RIVET-CASTING	42	387038-1	387038-1	1	GASKET-OUTER DR/TOP
5*	383907-27	383907-9	1	SIGN FRAME-L SIDE*	43	384291	384291	1	RAIN TROUGH-DOOR
6*	384031-7	383906-4	1	SIGN FRAME-TOP*	44	385041	385041	1	TIE-COINAGE HARNESS
7*	385010-1	385010-1	1	SIGN FRAME-R SIDE*	45	353343	353343	1	CREDIT RELAY
8*	385805-1	385805-1	1	SIGN FRAME-CTRL PNL T*	46	387642	387642	1	BRACKET-RELAY/RCPTRCL
9	V801422	V801422	A/R	TAPPING SCREW	47	V800331	V800331	2	TAPPING SCREW-RCPTRCL
10*	387808-1	387808-2	1	DOOR GUARD*	48	131858	131858	1	COINAGE DOOR
11	383118	383118	A/R	RIVET-DOOR GUARD	49	V800762	V800762	3	SCREW-COINAGE DOOR
12	V801436	V801436	4	CARRIAGE BOLT-DR GUARD	50	379407-2	379407-2	1	LATCH-COINAGE DOOR
13	V800947	V800947	A/R	NUT - BOLT	51	384279	384279	1	STOP-COINAGE DOOR
14	V801016	V801016	4	FLAT WASHER-BOLT	52	385002	385002	1	COIN-RETURN CHUTE
15	384223	384223	1	NEOPRENE-DR GUARD	53	V800787	V800787	2	TAPPING SCREW-CHUTE
16	132988	132988	1	T HANDLE LOCK ASSY	54	384022	384022	1	BAFFLE-SECURITY
17	V329258-2	V329258-2	2	CARRIAGE BOLT-LCK ASSY	55	131844	131844	1	COIN BOX CHUTE
18	388027	388027	1	GUARD-LOCK ASSEMBLY	56	385456	385456	1	BRACKET-COIN BOX
19	320934-1	320934-1	1	DOOR-COIN RETURN	57	387804	387804	1	RELAY-SEQUENCER SWITCHING
20	320935	320935	1	PIN-DOOR	58	V800491	V800491	2	TAPPING SCREW-RELAY
21	320932	320932	1	TRIM-COIN RETURN	59*	385494-4	385494-4	1	DEFLECTOR-DOOR
22	31700	31700	1	CROWN PULLER	60	382958	382958	1	ROLLER BRACKET-DOOR
23	383777	383777	1	SPACER-PULLER	61	V801312	V801312	2	TAPPING SCREW-RLR BRCKT
24	V801419	V801419	3	TAPPING SCREW-PULLER	62	368656	368656	1	ROLLER - DOOR
25	356467-2	356467-2	1	TRIM-CROWN PULLER	63	368657	368657	1	PIN - ROLLER
26*	131909-31	131909-31	1	LOWER DOOR PANEL*	64	V801368	V801368	1	RETAINER-PIN
27	387125	387125	1	EYELET TRIM	65	369466	369466	1	BUMPER - DOOR
28	V800774	V800774	6	TAPPING SCREW	66	324099-6	324099-6	2	CLAMP-DOOR HARNESS
29	385339	385339	1	RAIN TROUGH-CMTRL PNL	67	324099-13	324099-13	5	CLAMP-DOOR HARNESS
30	337241-1	337241-1	1	CUP WASHER-COIN INSRT	68	320943	320943	1	CROWN BOX
31	124435	124435	1	CORRECT CHANGE LAMP	69	384695	384695	1	BRACKET (E.M.S.)
32	131861	131861	1	COIN INSERT CHUTE	70	387717-3	387717-4	1	SIGN FACE
33	385325	385325	1	LEVER-COIN RETURN	71	385047	385047	1	COIN INSERT CASTING
34	385625	385625	1	RETAINER-LEVER	72*	133136-47	133136-49	1	CNTRL PNL* - SEE PAGE 8
35	385786	385786	1	SPRING-LEVER	73	133092	133092	1	DOOR HARNESS-SEE PAGE 10
36	383921-4	383921	1	SIGN RETAINER-L SIDE	74	132244	132244	1	COIN BOX ASSEMBLY
37	383909-1	383909-1	1	SIGN RETAINER-T					

\*NOTE: INDICATED PARTS ARE UNPAINTED: YOU MUST FURNISH DECOR (PAINT) NUMBER WITH THE PART NUMBER.  
THE DECOR NUMBER MAY BE OBTAINED FROM THE METAL IDENTIFICATION PLATE MOUNTED ON THE SIDE OF THE CABINET.

NOTE: FOR LABELS - SEE PAGE 50  
FOR FLAVOR LABELS - SEE PAGE 51



**Vendo®**

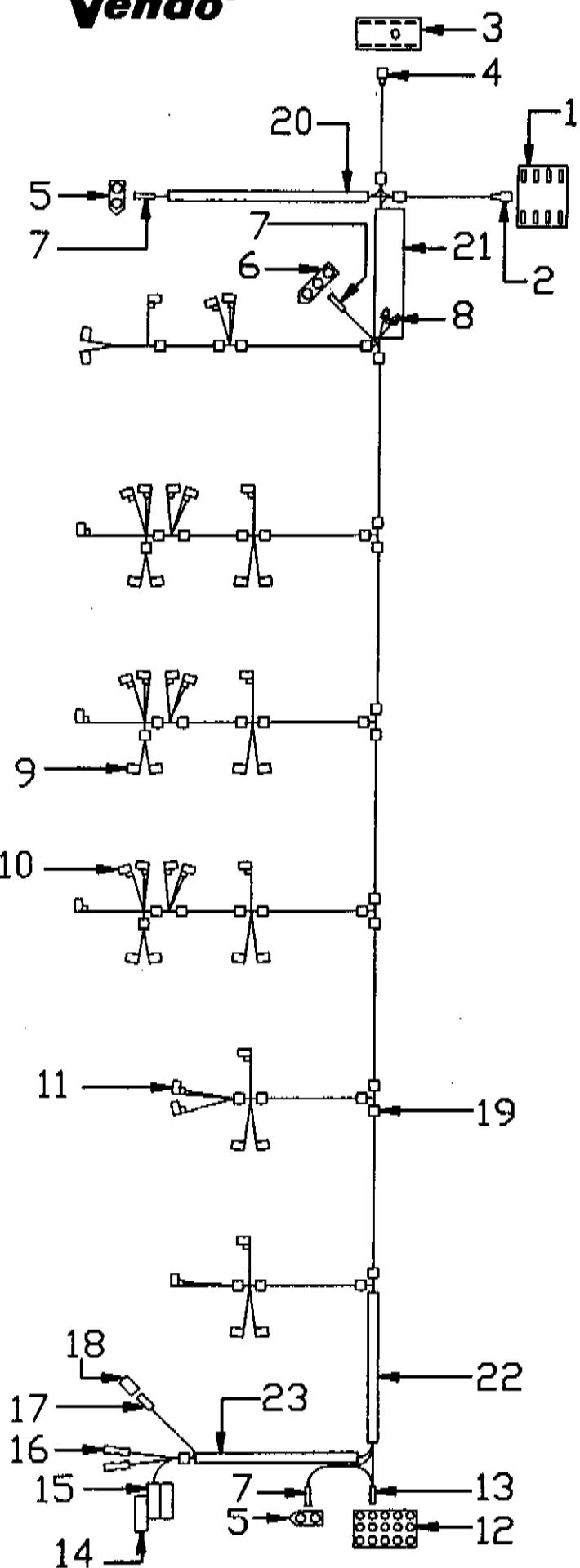
## CONTROL PANEL - COKE

ITEM NO.	PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
1*	133136-47	1	CONTROL PANEL WELD - (UNPAINTED) 480 9 SELECT*
-*	133136-49	1	CONTROL PANEL WELD - (UNPAINTED) 570 9 SELECT*
2	387149	1	WINDOW - "POINT OF SALE" (P.O.S.)
3	-	1	LABEL (P.O.S.) - SEE PAGE 51
4	384034	1	LENS - PRICE LABEL
5	384035	1	BRACKET - LENS
6	V800952	6	HEX NUT
7	133127 387727	1	SELECTION BUTTON - LARGE (COKE)
8	385465	1	STOP - LARGE BUTTON
9	132818-3	1	SELECTION BUTTON - SMALL (DIET COKE)
-	132818-4	1	SELECTION BUTTON - SMALL (TAB)
-	132818-5	1	SELECTION BUTTON - SMALL (SPRITE)
-	370841-1	5	SELECTION BUTTON - SMALL (NO LABEL)
10	385466	8	STOP - SMALL BUTTON
11	383991	9	SOLD - OUT LAMP
12	385878	9	SPRING - SELECTION BUTTON
13	385440	9	SWITCH - SELECTION BUTTON
14	V800337	18	MACHINE SCREW/LOCK WASHER UNIT - SWITCH
15	V800955	18	HEX NUT - MACHINE SCREW
16	V801422	9	TAPPING SCREW - CONTROL PANEL TO DOOR

\*NOTE: FOR INDICATED PARTS: YOU MUST FURNISH DECOR (PAINT) NUMBER WITH THE PART NUMBER. THIS DECOR NUMBER MAY BE OBTAINED FROM THE METAL IDENTIFICATION PLATE MOUNTED ON THE SIDE OF THE CABINET.

NOTE: FOR LABELS - SEE PAGE 50  
 FOR FLAVOR LABELS - SEE PAGE 51  
 FOR PRICE INSERTS - SEE PAGE 50

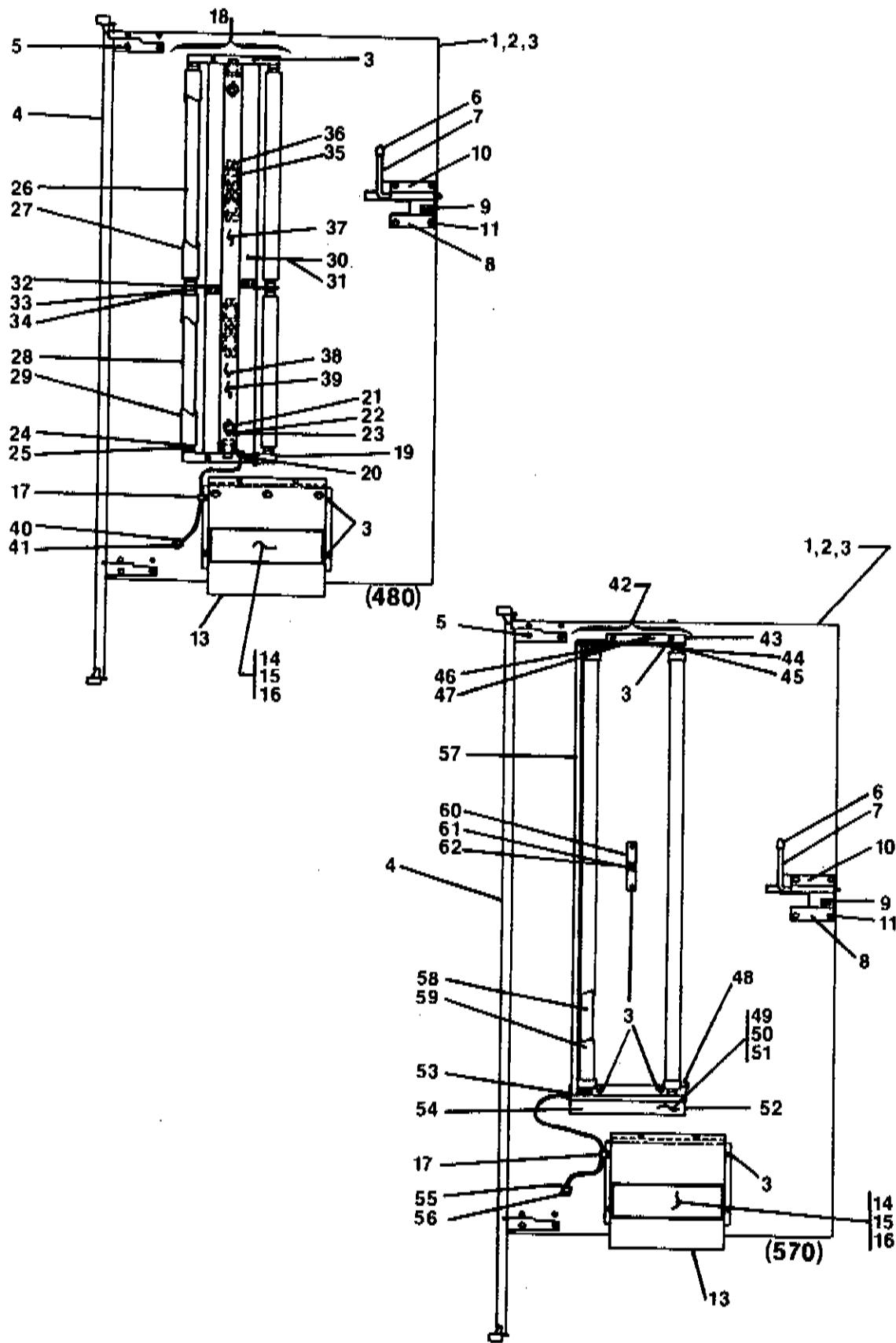
**Vendo®**



**Vendo®**

## DOOR HARNESS - COKE

ITEM NO.	PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
1	133092	1	DOOR HARNESS ASSEMBLY 480,570 (9 SELECT)
2	365619	1	RECEPTACLE - CREDIT RELAY
3	360805-1	7	TERMINAL - RECEPTACLE
4	327254	1	RECEPTACLE - COINAGE
5	327060	6	TERMINAL - RECEPTACLE
6	345008-1	2	RECEPTACLE - 2 TERMINAL
7	345734	1	RECEPTACLE - E.S. BOARD
8	320195	1	TERMINAL - FEMALE
9	43842	2	CLOSED - END CONNECTOR
10	385706	18	TERMINAL - FLAG
11	384188	17	TERMINAL - FLAG (SINGLE WIRE)
12	383979	9	TERMINAL - FLAG (DUAL WIRE)
13	345006	1	PLUG - HARNESS
14	320196	13	TERMINAL - MALE
15	336138	3	TERMINAL - SEQUENCER RELAY SWITCH
16	384190	1	COVER - TERMINAL (TRIPLE)
17	384184	2	INSULATED TERMINAL - SEQUENCER RELAY
18	321095	1	TERMINAL - E.M.S. CONNECTION
19	321094	1	COVER - TERMINAL
20	VM5104-8	A/R	ELECTRICAL TAPE
21	V801160	3"	PLASTIC TUBING
22	V801169	6"	PLASTIC TUBING
23	V801166	30.5"	PLASTIC TUBING
24	V801163	4.5"	PLASTIC TUBING
25	353943	1	CREDIT RELAY
	387804	1	SEQUENCER SWITCHING RELAY



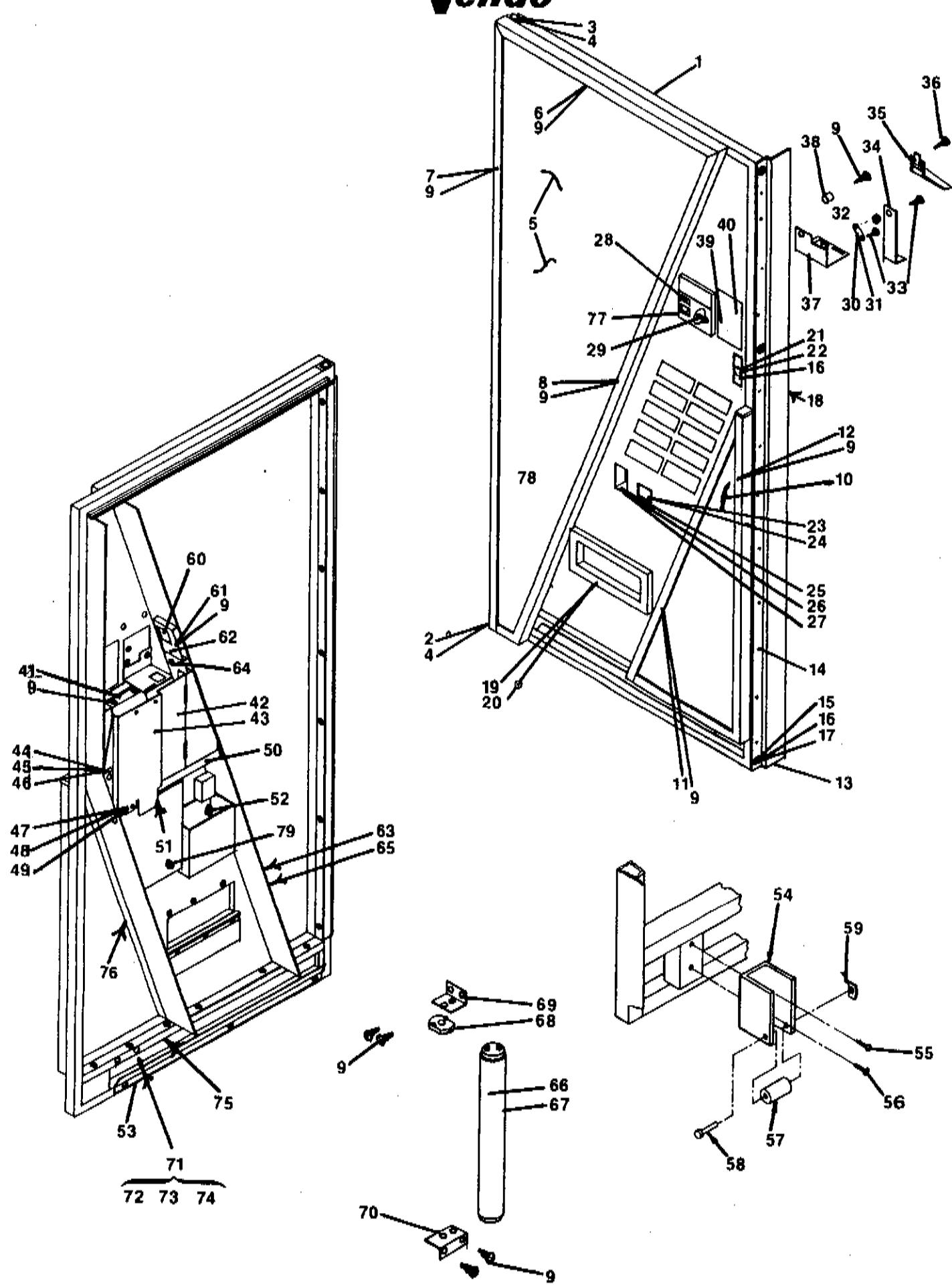
## INNER DOOR ASSEMBLY - COKE

ITEM NO.	480 PART NO.	570 PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
1	133150	133152	1	INNER DOOR ASSEMBLY
2	123149-4	133149-5	1	INNER DOOR PANEL ASSEMBLY
3	385887-4	385887-5	1	GASKET - INNER DOOR
4	V800548	V800548	A/R	TAPPING SCREW
5*	133154-1	133154-2	1	TORQUE TUBE WELD ASSEMBLY (UNPAINTED)*
6	V801343	V801343	4	TAPPING SCREW - TORQUE TUBE
7	387724	387724	1	LEVER - DOOR LATCH
8	387910	387910	1	CAP - LEVER
9	387722	387722	1	BRACKET - LATCH/NUT
10	V801469	V801469	1	CAPTIVE NUT - "T" HANDLE LATCH
11	387721	387721	1	RETAINER - LEVER
12	V801356	V801356	4	TAPPING SCREW - BRACKET/RETAINER
13	387921	387921	1	GUIDE - LEVER
14	133144-	133144-	1	HOPPER ASSEMBLY
15	387270	387270	1	- - - DELIVERY EYELET DOOR
16	46122-2	46122-2	1	HINGE PIN - DELIVERY DOOR
17	V800570	V800570	3	TAPPING SCREW - DELIVERY DOOR
18	324099-2	324099-2	4	CLAMP - REFLECTOR HARNESS
19	131521-2	-	1	REFLECTOR ASSEMBLY
20	341331	-	2	END BRACKET
21	327699-2	-	1	BUSHING - STRAIN RELIEF
22	321350	-	4	STARTER
23	327575-2	-	4	SOCKET - STARTER
24	V800060	-	2	MACHINE SCREW SOCKET
25	342622	-	2	LAMP HOLDER
26	V900024	-	2	MACHINE SCREW - HOLDER
27	382974	-	2	LAMP - FLUORESCENT (24")
28	384166-6	-	2	LAMP GUARD - 24"
29	386378	-	2	LAMP - FLUORESCENT (18")
30	384166-7	-	2	LAMP GUARD - 18"
31	384148	-	1	REFLECTOR
32	V800496	-	1	TAPPING SCREW
33	384147	-	1	CENTER BRACKET
34	384146	-	1	LAMP HOLDER - CENTER
35	V80029	-	4	MACHINE SCREW - HOLDER
36	321345-3	-	4	BALLAST
37	V801329	-	2	TAPPING SCREW W/LOCK WASHER
38	342621	-	2	STRAP - ADJUSTABLE
39	41707	-	1	CLOSED END CONNECTOR - SMALL
40	43842	-	1	CLOSED END CONNECTOR - LARGE
41	345005-1	-	1	PLUG - 2 TERMINAL
42	320196	131444	1	TERMINAL
43	-	383974	1	REFLECTOR HARNESS ASSEMBLY
44	-	342622	1	UPPER BRACKET
45	-	V800024	4	LAMP HOLDER
46	-	383971	1	TAPPING SCREW - HOLDER
47	-	V801421	4	WIRE DUCT - UPPER
48	-	383975	1	TAPPING SCREW
49	-	383982	1	LOWER BRACKET
50	-	V800128	2	BALLAST
51	-	V900952	2	MACHINE SCREW - BALLAST
52	-	383973	1	HEX NUT W/LOCK WASHER
53	-	327699-2	1	COVER - BALLAST
54	-	41707	10	BUSHING - STRAIN RELIEF
55	-	345005-1	1	CLOSED END CONNECTOR
56	-	320196	2	PLUG - 2 TERMINAL
57	-	383972	1	TERMINAL
58	-	383980	2	DUCT - WIRE
59	-	384166	2	LAMP - FLUORESCENT (48")
60	-	387211	1	LAMP GUARD - 48"
61	-	369466-2	1	STAND - OFF / INNER DOOR
62	-	V800638	1	BUMPER / STAND - OFF
				TAPPING SCREW - BUMPER

\*NOTE: FOR INDICATED PARTS: YOU MUST FURNISH DECOR (PAINT) NUMBER WITH THE PART NUMBER. THIS DECOR NUMBER MAY BE OBTAINED FROM THE METAL IDENTIFICATION PLATE MOUNTED ON THE SIDE OF THE CABINET.

NOTE: FOR LABELS - SEE PAGE 50

**Vendo®**

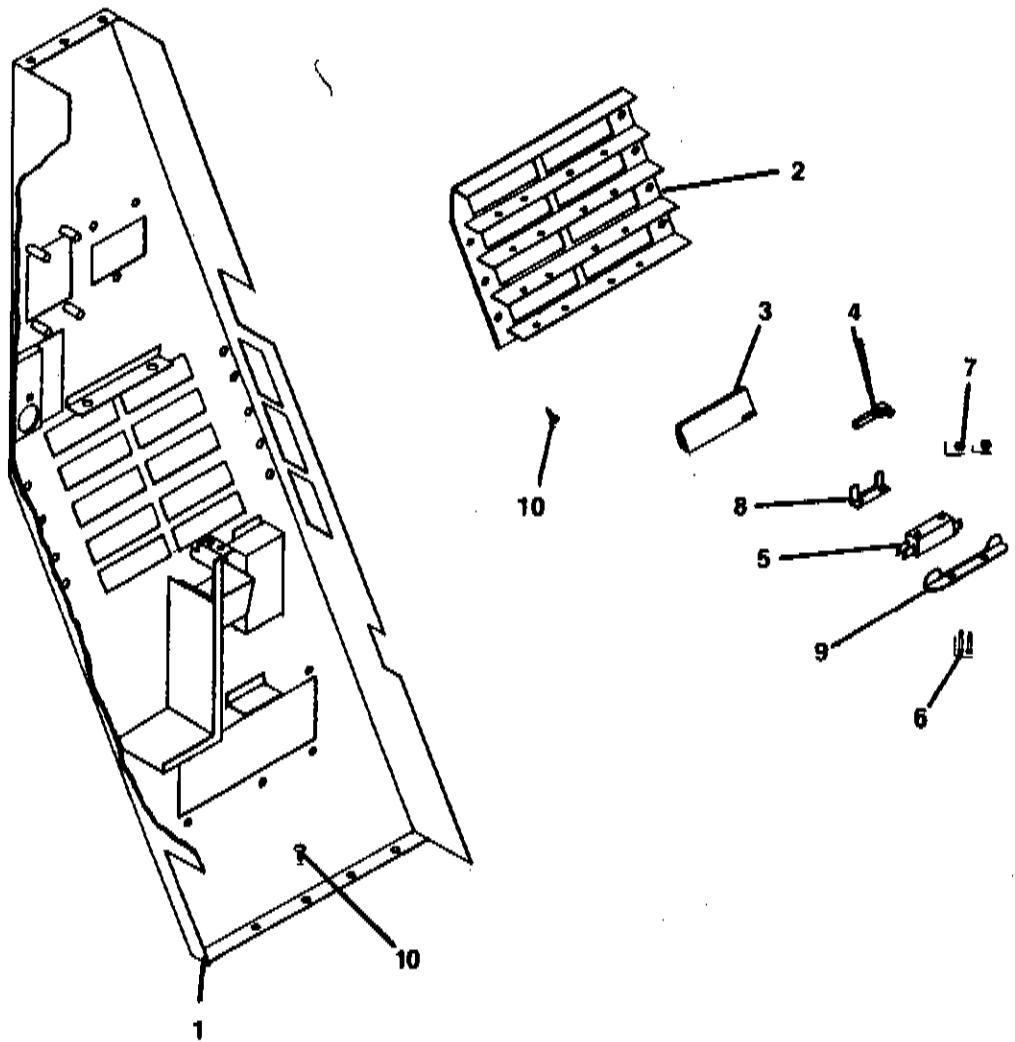


OUTER DOOR ASSEMBLY - DR PEPPER CENTURY II

ITEM NO.	480 PART NO.	570 PART NO.	NO. REQ.	PART NAME AND DESCRIPTION	ITEM NO.	480 PART NO.	570 PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
-	133251-1	133251	1	OUTER DOOR ASSEMBLY	40	V800956	V800956	4	HEX NUT
1*	133209-7	133209-8	1	DOOR FRAME WELD*	41	387412	387412	1	BARRIER PANEL - COINAGE
2	383616	383616	1	HINGE CASTING - BTM	42	133011	133011	1	COINAGE DOOR
3	383616-1	383616-1	1	HINGE CASTING - TOP	43	V800851	V800851	3	TAPPING SCREW - DOOR
4	V801418	V801418	4	RIVET - HINGE CASTING	44	387344	387344	1	LATCH-COINAGE DOOR
5	387364-1	387364-2	1	SIGN FACE	45	V800248	V800248	1	MACHINE SCREW - LATCH
6*	133201-3	133201-4	1	SIGN TRIM-TOP*	46	V800886	V800886	1	LOCK NUT - LATCH
7*	133200-3	133200-4	1	SIGN TRIM-LEFT SIDE*	47	387471	387471	1	COIN BOX CHUTE - BOTTOM
8*	133199-3	133199-4	1	SIGN TRIM-CNTRL PNL*	48	387472	387472	1	COIN BOX CHUTE - TOP
9	V801422	V801422	A/R	TAPPING SCREW	49	V800479	V800479	2	TAPPING SCREW - CHUTE
10	387635	387635	1	SIGN PANEL-LOWER RIGHT	50	387904	387904	1	BUCKHEAD - COINAGE
11*	133197-1	133197-1	1	PANEL TRIM-CNTRL PNL*	51	132866	132866	1	COIN RETURN CHUTE
12*	133198-1	133198-1	1	PANEL TRIM-RIGHT SIDE*	52	132888	132888	1	CROWN BOX
13*	387073-3	387073-4	1	DOOR GUARD*	53*	387021-3	387021-3	1	DEFLECTOR - DOOR*
14	383118	383118	A/R	RIVET-DOOR GUARD	54	387922	387922	1	BRACKET - ROLLER
15	V801436	V801436	3	CARRIAGE BOLT DR GUARD	55	V800672	V800672	2	TAPPING SCREW - BRACKET
16	V800947	V800947	5	NUT - BOLT	56	V342624	V342624	1	SELF DRILL SCREW
17	V801016	V801016	3	FLAT WASHER - BOLT	57	368656	368656	1	ROLLER - DOOR
18	384223	384223	1	NEOPRENE TAPE-DR GUARD	58	368657	368657	1	PIN - ROLLER
19	387125	387125	1	EYELET TRIM	59	V801348	V801348	1	RETAINER - PIN
20	V800638	V800638	6	TAPPING SCREW - TRIM	60	353343	353343	1	CREDIT RELAY
21	132988-1	132988-1	1	"T" HANDLE LOCK ASSY	61	387375	387375	1	BRACKET - CREDIT RELAY
22	V329258-2	V329258-2	2	CARRIAGE BOLT - LOCK	62	V800331	V800331	2	TAPPING SCREW-RECEPTACLE
23	320934-1	320934-1	1	DOOR - COIN RETURN	63	133123	133123	1	DOOR HARNESS-SEE PAGE 1
24	320935	320935	1	PIN - DOOR	64	342469-1	342469-1	1	TIE - HARNESS
25	31700	31700	1	CROWN PULLER	65	324099-13	324099-13	4	CLAMP - DOOR HARNESS
26	383777	383777	1	SPACER - PULLER	66	384161	384161	1	FLUORESCENT LAMP (33")
27	V801419	V801419	3	TAPPING SCREW - PULLER	67	384166-3	384166-3	1	LAMP GUARD (33")
28	387124	387124	1	CORRECT CHANGE LAMP	68	387122	387122	2	LAMP HOLDER
29	385978	385978	1	LEVER - COIN RETURN	69	387019-1	387019-1	1	UPPER BRACKET-LAMP
30	385985	385985	1	SCAVENGER ARM	70	387403	387403	1	LOWER BRACKET-LAMP
31	385603-2	385603-2	1	BEARING - ARM	71	133043-1	133043-1	1	LIGHT HARNESS
32	321720	321720	1	SPRING - ARM	72	345735	345735	1	PLUG - 4 TERMINAL
33	V800696	V800696	2	TAPPING SCREW - ARM	73	320196	320196	4	TERMINAL
34	387336	387336	1	SCAVENGER LEVER	74	384186	384186	4	INSULATED TERMINAL
35	132889	132889	1	COIN INSERT CHUTE	75	324099-6	324099-6	1	CLAMP - HARNESS
36	V800788	V800788	6	TAPPING SCREW	76	324099-4	324099-4	4	CLAMP - HARNESS
37	387777	387777	1	BRACKET - LEVER/CHUTE	77	385999-2	385999-2	1	COIN INSERT CASTING
38	337241-1	337241-1	4	CUP WASHER-COIN INSERT	78*	133088-5	133088-8	1	CNTRL PANEL-SEE PAGE 16
39*	132965-1	132965-1	1	FILLER PLATE*	79	132867	132867	1	COIN BOX

\*NOTE: INDICATED PARTS ARE UNPAINTED: YOU MUST FURNISH (PAINT) NUMBER WITH THE PART NUMBER.  
THE DECOR NUMBER MAY BE OBTAINED FROM THE METAL IDENTIFICATION PLATE MOUNTED ON THE SIDE OF THE CABINET.

NOTE: FOR LABELS - SEE PAGE 50



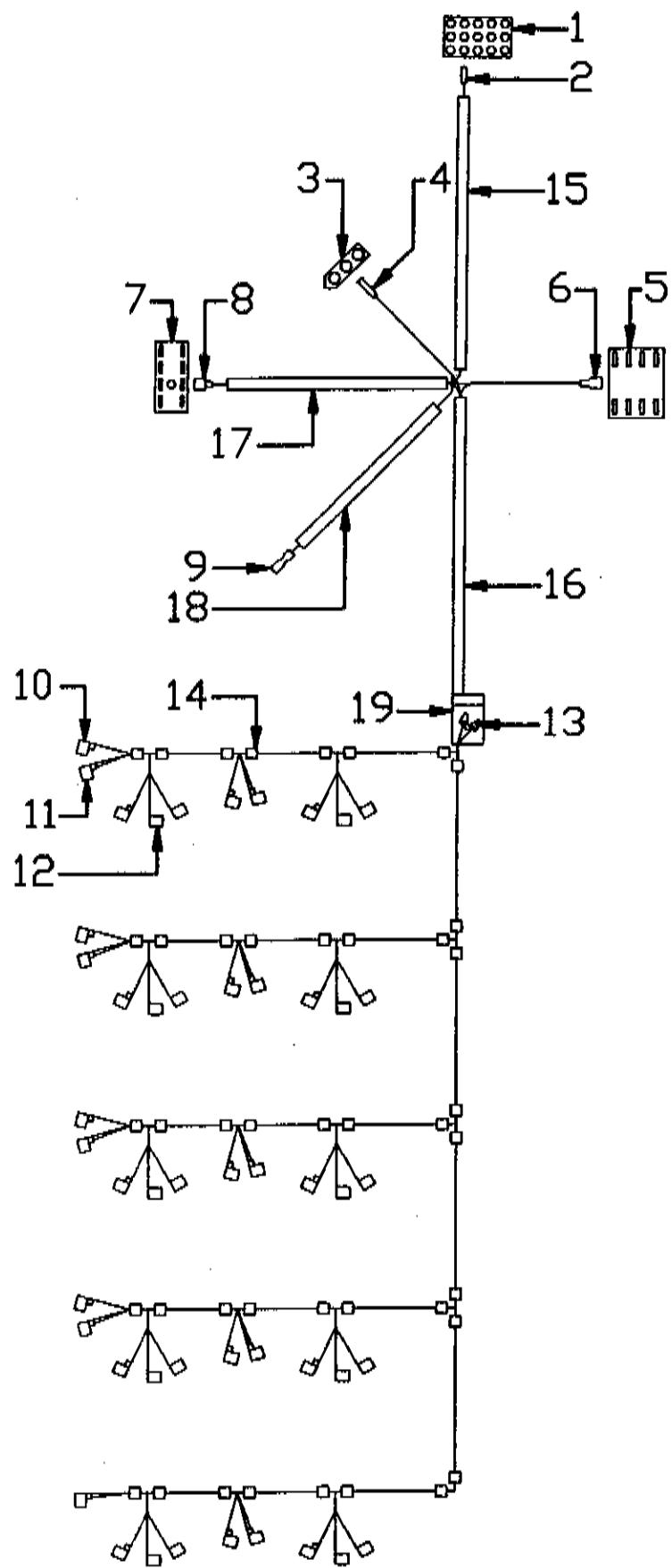
**Vendo®**

## CONTROL PANEL - DR PEPPER CENTURY II

ITEM NO.	PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
1*	133088-5	1	CONTROL PANEL WELD (UNPAINTED)-480 (10 SELECT)*
-*	133088-8	1	CONTROL PANEL WELD (UNPAINTED)-570 (10 SELECT)*
2	133090-	1	BUTTON PANEL WELD - 10 SELECT
3	132961	1	BUTTON ASSEMBLY - DR PEPPER
-	132961-1	1	BUTTON ASSEMBLY - S.F. DR PEPPER
-	387294	8	SELECTION BUTTON - NO LABEL
4	383991	10	LAMP - SOLD OUT
5	385440	10	SWITCH - SELECTION
6	V800337	20	MACHINE SCREW - SWITCH
7	V800955	20	HEX NUT - MACHINE SCREW
8	385878	10	LEAF SPRING - SWITCH/BUTTON
9	385466	10	STOP - BUTTON
10	V801422	16	TAPPING SCREW

\*NOTE: FOR INDICATED (UNPAINTED) PARTS: YOU MUST FURNISH DECOR (PAINT) NUMBER WITH THE PART NUMBER. THE DECOR NUMBER MAY BE OBTAINED FROM THE METAL IDENTIFICATION PLATE MOUNTED ON THE SIDE OF THE CABINET.

NOTE: FOR LABELS - SEE PAGE 50  
FOR FLAVOR LABELS - SEE PAGE 52

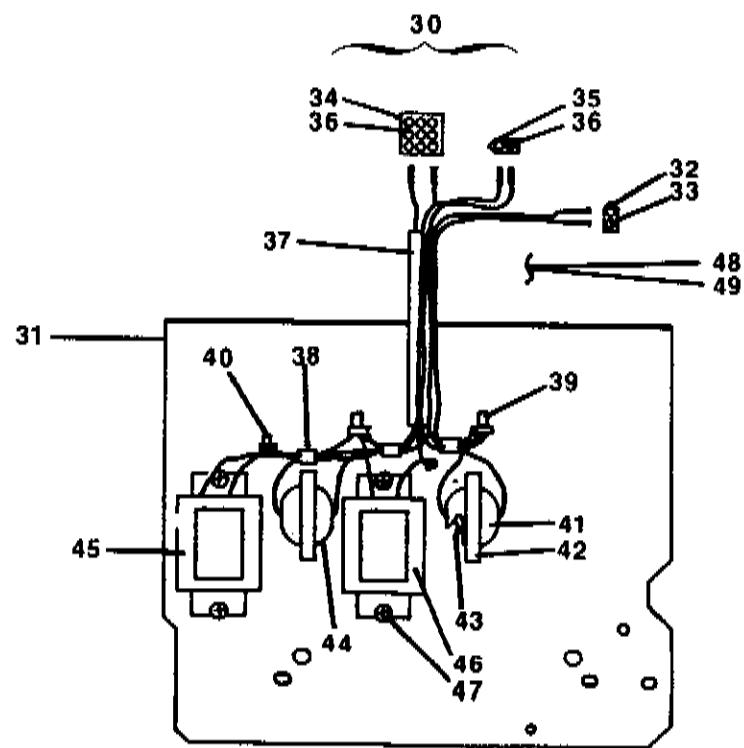
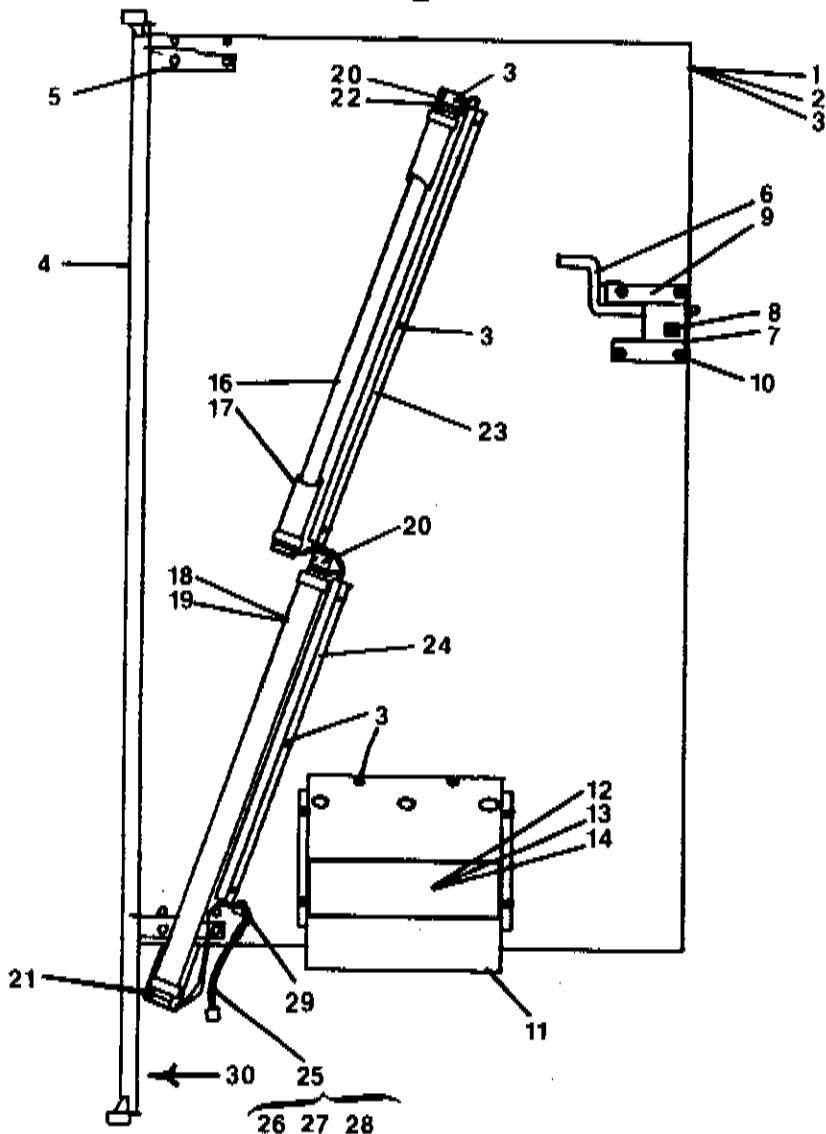


**Vendo®**

## DOOR HARNESS - DR PEPPER CENTURY II

ITEM NO.	PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
-	133123	1	DOOR HARNESS ASSEMBLY - 480 & 570 10 SELECT
1	345006	1	RECEPTACLE - 15 TERMINAL
2	320196	13	TERMINAL - FEMALE
3	345734	1	PLUG - 3 TERMINAL
4	320195	3	TERMINAL - MALE
5	365619	1	COCKET - RELAY
6	360805-1	7	TERMINAL
7	327254	1	RECEPTACLE - 8 TERMINAL
8	327060	6	TERMINAL
9	387126	2	INSULATED TERMINAL
10	384188	19	INSULATED TERMINAL - FLAG
11	383979	10	INSULATED TERMINAL - FLAG
12	385706	20	TERMINAL - FLAG
13	43842	2	CLOSED END CONNECTOR
14	VM5104-8	A/R	ELECTRICAL TAPE (IN INCHES)
15	V801166	33.5"	PLASTIC TUBING (IN INCHES)
16	V801165	5"	PLASTIC TUBING (IN INCHES)
17	V801163	3.5"	PLASTIC TUBING (IN INCHES)
18	V801160	6.5"	PLASTIC TUBING (IN INCHES)
19	V801169	2.5"	PLASTIC TUBING (IN INCHES)
-	353343	1	CREDIT RELAY
-	387375	1	BRACKET - RELAY RECEPTACLE

**Vendo®**

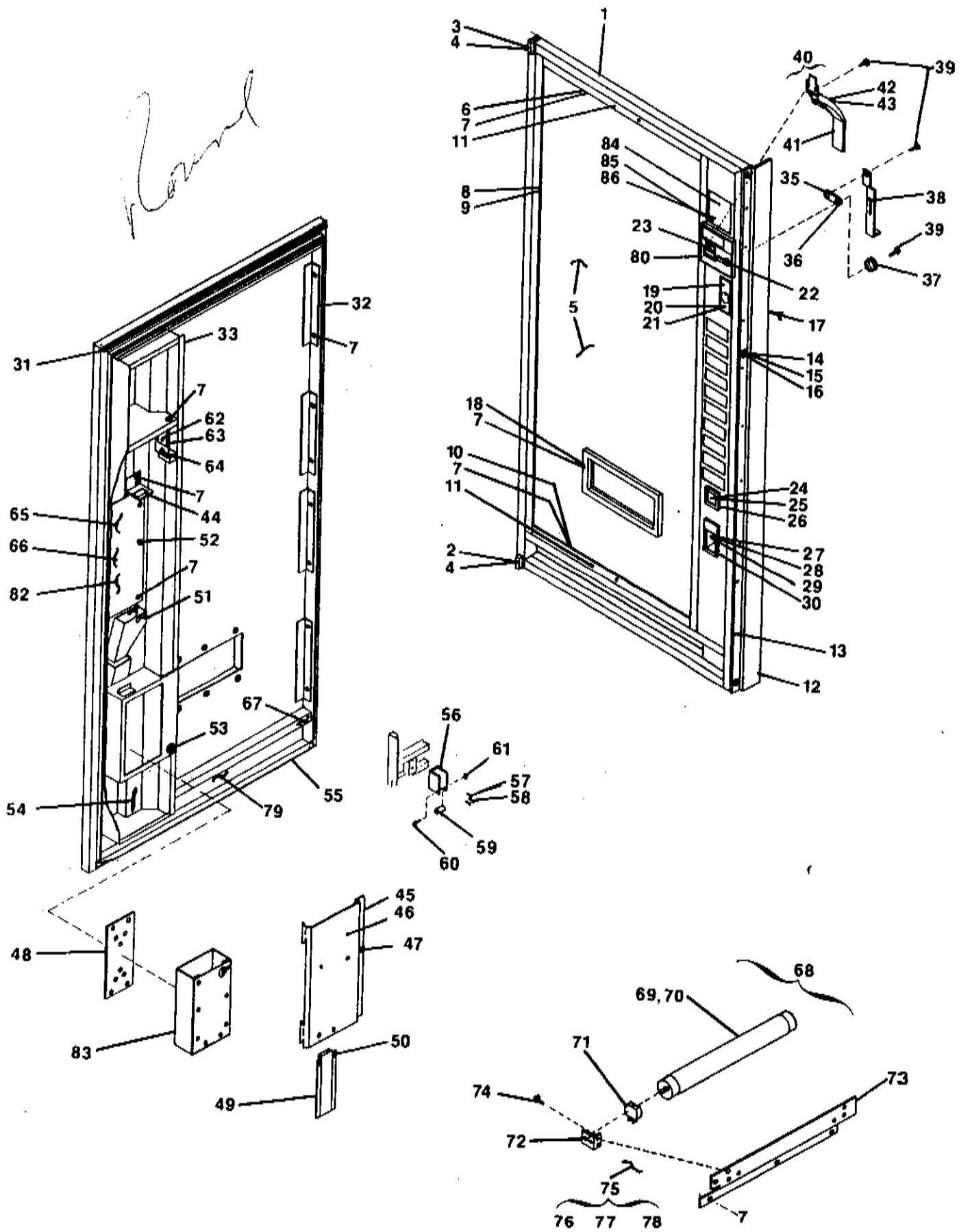


INNER DOOR ASSEMBLY - DR PEPPER CENTURY II

ITEM NO.	480 PART NO.	570 PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
1	133242	133243	1	INNER DOOR ASSEMBLY
1	133149-4	133149-5	1	INNER DOOR PANEL ASSEMBLY
2	385887-4	385887-5	1	GASKET
3	V800548	V800548	A/R	TAPPING SCREW
4*	133154-1	133154-2	1	TORQUE TUBE WELD (UNPAINTED)*
5	V801343	V801343	4	TAPPING SCREW
6	387779	387779	1	LEVER - DOOR LATCH
7	388054	388054	1	BRACKET - LATCH/NUT
8	V801469	V801469	1	CAPTIVE NUT - "T" HANDLE
9	388055	388055	1	RETAINER - LEVER
10	V801469	V801469	4	TAPPING SCREW - RETAINER/BRACKET
11	133144	133144	1	HOPPER ASSEMBLY
12	387270	387270	1	DELIVERY EYELET DOOR
13	46122-2	46122-2	1	HINGE PIN - DELIVERY DOOR
14	V800570	V800570	3	TAPPING SCREW - DELIVERY DOOR
15	369466-2	369466-2	1	BUMPER - DOOR
16	384161	384161	A/R	LAMP - FLUORESCENT 33"
17	384166-3	384166-3	A/R	LAMP GUARD - 33"
18	332974	-	1	LAMP - FLUORESCENT 24"
19	384166-1	-	1	LAMP GUARD - 24"
20	387019	387019	3	BRACKET - LAMP
21	387393	387393	1	BRACKET - LAMP (LOWER)
22	387122	387122	4	LAMP HOLDER
23	387085-2	387085	1	DUCT - WIRE (UPPER)
24	387085-2	387085-2	1	DUCT - WIRE (LOWER)
25	132898-1	132898	1	LIGHT HARNESS
26	345003	345003	1	PLUG
27	320196	320196	8	TERMINAL
28	384186	384186	8	INSULATED TERMINAL
29	324099-3	324099-3	1	CLAMP - HARNESS
30	133060	133060-1	1	BALLAST ASSEMBLY
31	387026	387026	1	BRACKET
32	345005	345005	1	PLUG - 2 TERMINAL
33	320196	320196	2	TERMINAL - MALE
34	345004	345004	1	RECEPTACLE - 9 TERMINAL
35	345008	345008	1	RECEPTACLE - 2 TERMINAL
36	320195	320195	A/R	TERMINAL - FEMALE
37	V801167	V801167	A/R	PLASTIC TUBING
38	VM5104-8	VM5104-8	A/R	TAPE
39	43842	43842	2	CONNECTOR - LARGE
40	41707	41707	2	CONNECTOR - SMALL
41	327675-2	327675-2	2	SOCKET - STARTER
42	V800060	V800060	4	MACHINE SCREW - SOCKET
43	321350	-	1	STARTER - 24" LAMP
44	327143	327143	A/R	STARTER - 33" LAMP
45	321345-3	-	1	BALLAST - 24" LAMP
46	327146	327146	A/R	BALLAST - 33" LAMP
47	V801204	V801204	4	TAPPING SCREW - BALLAST
48	324099-7	324099-7	1	CLAMP - WIRE
49	V800503	V800503	1	TAPPING SCREW - CLAMP

\*NOTE: FOR INDICATED (UNPAINTED) PARTS: YOU MUST FURNISH DECOR (PAINT) NUMBER WITH THE PART NUMBER. THE DECOR NUMBER MAY BE OBTAINED FROM THE METAL IDENTIFICATION PLATE MOUNTED ON THE SIDE OF THE CABINET.

NOTE: FOR LABELS - SEE PAGE 50

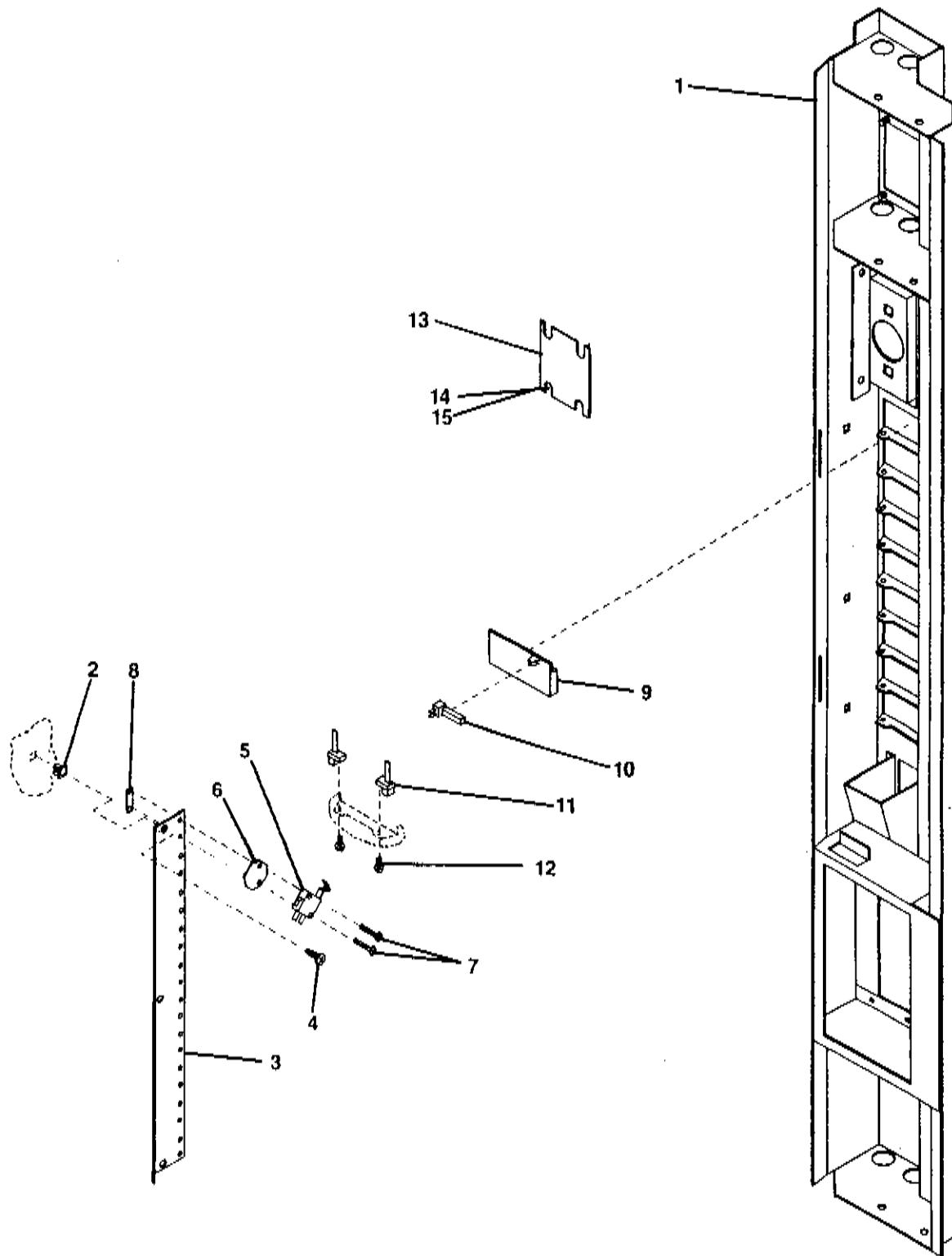


## OUTER DOOR ASSEMBLY - PEPSI MAGNUM "C"

ITEM NO.	480 PART NO.	570 PART NO.	NO. REQ.	PART NAME AND DESCRIPTION	ITEM NO.	480 PART NO.	570 PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
1*	133095-1	133095	1	OUTER DOOR ASSEMBLY	44	387190	387190	1	BRACKET-COIN INSRT CHUTE
2	132256-7	133256-8	1	DR FRAME WELD*	45	387035	387035	1	COINAGE DOOR
3	383616	383616	1	HINGE PIN CSTNG/B	46	9800851	9800851	3	SCREW - DOOR
4	383616-1	383616-1	1	HINGE PIN CSTNG/T	47	379407-2	379407-2	1	LATCH - COINAGE DOOR
5	V801418	V801418	4	RIVET - CASTING	48	387030	387030	1	GUARD - COINAGE
6*	387901	387901-1	1	SIGN FACE	49	132274	132274	1	COIN BOX CHUTE
7	387604	387604	1	SIGN FRAME-TOP*	50	V800533	V800533	2	TAPPING SCREW
8*	V801468	V801468	8	TAPPING SCREW T/B	51	132273	132273	1	COIN RETURN CHUTE
9	387613-3	387613-4	1	SIGN FRAME-LEFT*	52	397382	397382	1	BARRIER PANEL
10*	V801422	V801422	A/R	TAPPING SCREW	53	369466	369466	2	BUMPER - DOOR
11	387635	387635	1	SIGN FRAME-BOTTOM*	54	387384	387384	1	CROWN BOX
12*	V801471	V801471	4	RIVET-FRAME T/B	55*	387021-3	387021-3	1	DEFLECTOR-DOOR*
13	383118	383118	A/R	DOOR GUARD*	56	387922	387922	1	BRACKET-ROLLER
14	V801436	V801436	3	RIVET-DOOR GUARD	57	V800672	V800672	2	TAPPING SCREW-BRACKET
15	V800947	V800947	A/R	CARRIAGE BOLT-DR GUARD	58	V342624	V342624	1	SELF DRILL SCREW
16	V801016	V801016	3	NUT	59	368656	368656	1	ROLLER - DOOR
17	384223	384223	1	FLAT WASHER-BOLT	60	368657	368657	1	PIN - ROLLER
18	387622	387622	1	NEOPRENE TAPE-DR GUARD	61	V801368	V801368	1	RETAINER - PIN
19	132988	132988	1	EYELET TRIM	62	353343	353343	1	CREDIT RELAY
20	V329258-2	V329258-2	2	T HANDLE LOCK ASSY	63	387498	387498	1	BRACKET-RELAY/RECEPTACLE
21	387895	387895	1	CARRIAGE BOLT-LK ASSY	64	V800331	V800331	2	TAPPING SCREW-RECEPTACLE
22	385978	385978	1	WATER CHUTE - LK ASSY	65	387076	387076	3	GROMMET-SWITCH PLATE
23	387124	387124	1	HANDLE-COIN RETURN	66	324099-4	324099-4	3	CLAMP-DOOR HARNESS
24	320934-1	320934-1	1	CORRECT CHANGE LAMP	67	324099-13	324099-13	2	CLAMP-DOOR HARNESS
25	320935	320935	1	DOOR-COIN RETURN	68	133000	133000	1	REFLECTOR ASSY-OUTER DR
26	320932	320932	1	PIN-DOOR	69	332974	332974	1	LAMP-FLUORESCENT/24"
27	31700	31700	1	TRIM-COIN RETURN	70	384166-1	384166-1	1	LAMP GUARD-24"
28	383777	383777	1	CROWN PULLER	71	387122	387122	2	HOLDER-LAMP
29	V801419	V801419	3	SPACER PULLER	72	387019	387019	2	BRACKET-HOLDER
30	356467-2	356467-2	1	TAPPING SCREW-PULLER	73	387631	387631	1	REFLECTOR
31	387038-1	387038-1	1	TRIM-CROWN PULLER	74	V800503	V800503	6	TAPPING SCREW
32	387617	387617	5	GASKET-OUTER DOOR/T	75	132297-1	132297-1	1	HARNESS-REFLECTOR -
33	387618-1	387618-2	1	SIGN RETAINER-L SIDE	76	345735	345735	1	PLUG - 4 TERMINAL
34	337241-1	337241-1	4	SIGN RETAINER-R SIDE -	77	320196	320196	4	TERMINAL
35	385985	385985	1	CUP WASHER-COIN INSERT	78	384186	384186	4	INSULATED TERMINAL
36	385603-2	385603-2	1	ARM-SCAVENGER	79	324099-2	324099-2	2	CLAMP-HARNESS
37	321720	321720	1	BEARING-ARM	80	385999	385999	1	COIN INSERT CASTING
38	387011	387011	1	SPRING-ARM	81*	133079-3	133079-4	1	CONTROL PANEL-SEE PAGE 24*
39	V800696	V800696	2	COIN RETURN LEVER	82	133112	133112	1	DOOR HARNESS-SEE PAGE 26
40	132827	132827	1	TAPPING SCR-WARM/LEVER	83	132902	132902	1	COIN BOX ASSEMBLY
41	385980	385980	1	COIN INSERT CHUTE ASSY	84*	132984-1	132984-1	1	FILLER PLATE*
42	385981	385981	1	CHUTE	85	387496	387496	4	SPACER-FILLER PLATE
43	V800764	V800764	1	COVER-CHUTE	86	V801455	V801455	4	WASHER-FILLER PLATE

NOTE: INDICATED PARTS ARE UNPAINTED: YOU MUST FURNISH DECOR (PAINT) NUMBER WITH THE PART NUMBER.  
THIS DECOR NUMBER MAY BE OBTAINED FROM THE METAL IDENTIFICATION PLATE MOUNTED ON THE SIDE OF THE CABINET.

NOTE: FOR LABELS - SEE PAGE 50  
FOR FLAVOR LABELS - SEE PAGE 53

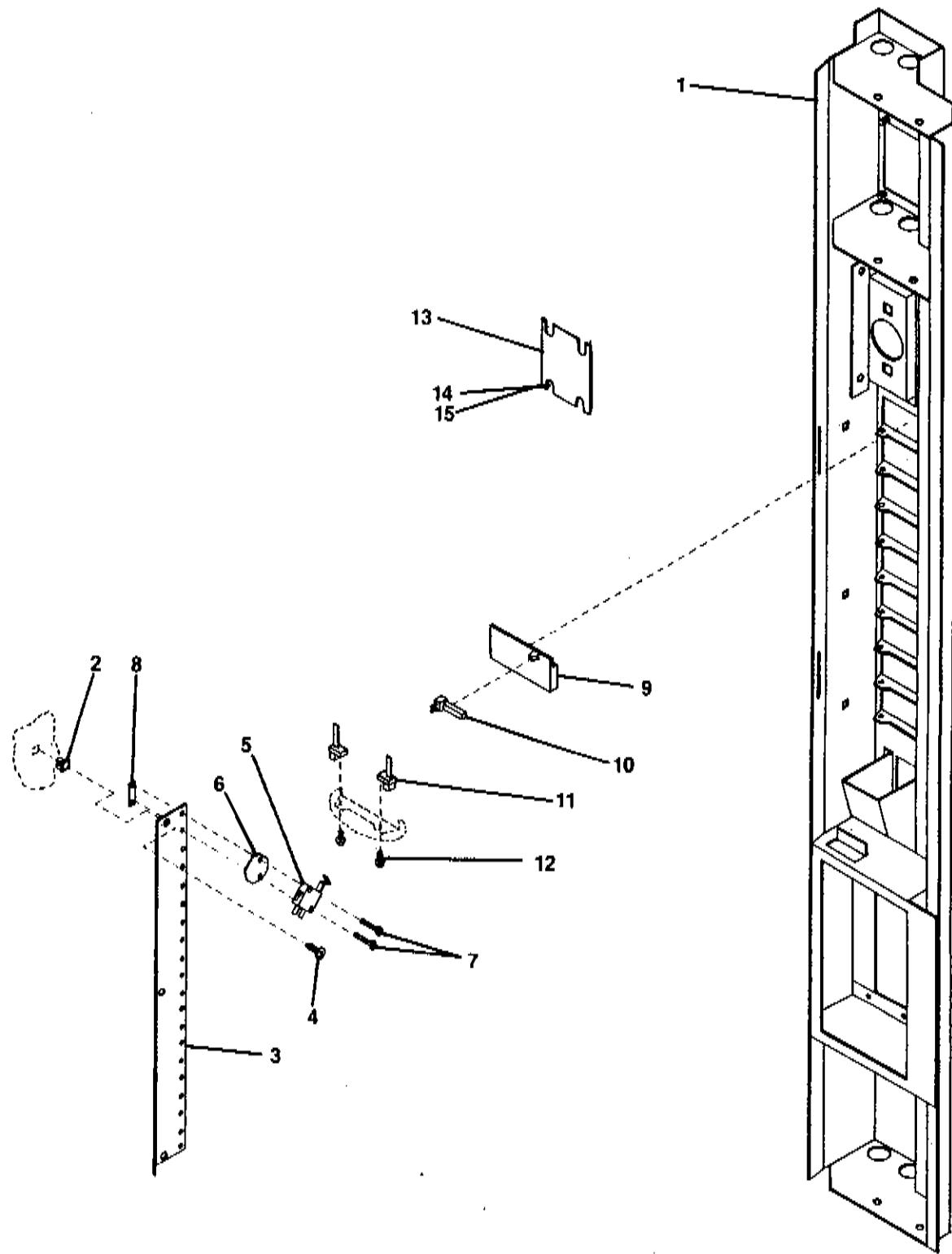


## OUTER DOOR ASSEMBLY - PEPSI MAGNUM "C"

ITEM NO.	480 PART NO.	570 PART NO.	NO. REQ.	PART NAME AND DESCRIPTION	ITEM NO.	480 PART NO.	570 PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
1	133095-1	133095	1	OUTER DOOR ASSEMBLY	44	387190	387190	1	BRACKET-COIN INSERT CHUTE
2*	132256-7	133256-8	1	DR FRAME WELD*	45	387035	387035	1	COINAGE DOOR
3	383616	383616	1	HINGE PIN CSTNG/B	46	U800851	U800851	3	SCREW - DOOR
4	383616-1	383616-1	1	HINGE PIN CSTNG/T	47	379407-2	379407-2	1	LATCH - COINAGE DOOR
5	U801418	U801418	4	RIVET - CASTING	48	387030	387030	1	GUARD - COINAGE
6*	387901	387901-1	1	SIGN FACE	49	132274	132274	1	COIN BOX CHUTE
7	387604	387604	1	SIGN FRAME-TOP*	50	U800533	U800533	2	TAPPING SCREW
8*	U801468	U801468	8	TAPPING SCREW T/B	51	132273	132273	1	COIN RETURN CHUTE
9	387613-3	387613-4	1	SIGN FRAME-LEFT*	52	387382	387382	1	BARRIER PANEL
10*	387635	387635	1	TAPPING SCREW	53	369466	369466	2	BUMPER - DOOR
11	U801471	U801471	4	SIGN FRAME-BOTTOM*	54	387384	387384	1	CROWN BOX
12*	387073-3	387073-4	1	RIVET-FRAME T/B	55*	387021-3	387021-3	1	DEFLECTOR-DOOR*
13	383118	383118	A/R	DOOR GUARD*	56	387922	387922	1	BRACKET-ROLLER
14	U801436	U801436	3	CARRIAGE BOLT-DR GUARD	57	U800672	U800672	2	TAPPING SCREW-BRACKET
15	U800947	U800947	A/R	NUT	58	U342624	U342624	1	SELF DRILL SCREW
16	U801016	U801016	3	FLAT WASHER-BOLT	59	368656	368656	1	ROLLER - DOOR
17	384223	384223	1	NEOPRENE TAPE-DR GUARD	60	368657	368657	1	PIN - ROLLER
18	387622	387622	1	EYELET TRIM	61	U801368	U801368	1	RETAINER - PIN
19	132988	132988	1	I HANDLE LUCK ASSY	62	353343	353343	1	CREDIT RELAY
20	V329258-2	V329258-2	2	CARRIAGE BOLT-LK ASSY	63	387498	387498	1	BRACKET-RELAY/RECEPTACLE
21	387895	387895	1	WATER CHUTE - LK ASSY	64	U800331	U800331	2	TAPPING SCREW-RECEPTACLE
22	385978	385978	1	HANDLE-COIN RETURN	65	387076	387076	3	GROMMET-SWITCH PLATE
23	387124	387124	1	CORRECT CHANGE LAMP	66	324099-4	324099-4	3	CLAMP-DOOR HARNESS
24	320934-1	320934-1	1	DOOR-COIN RETURN	67	324099-13	324099-13	2	CLAMP-DOOR HARNESS
25	320935	320935	1	PIN-DOOR	68	133000	133000	1	REFLECTOR ASSY-OUTER DR
26	320932	320932	1	TRIM-COIN RETURN	69	332974	332974	1	LAMP-FLUORESCENT/24"
27	31700	31700	1	CROWN PULLER	70	384166-1	384166-1	1	LAMP GUARD-24"
28	383777	383777	1	SPACER PULLER	71	387122	387122	2	HOLDER-LAMP
29	U801419	U801419	3	TAPPING SCREW-PULLER	72	387019	387019	2	BRACKET-HOLDER
30	356467-2	356467-2	1	TRIM-CROWN PULLER	73	387631	387631	1	REFLECTOR
31	387038-1	387038-1	1	GASKET-OUTER DOOR/T	74	U800503	U800503	6	TAPPING SCREW
32	387617	387617	5	SIGN RETAINER-L SIDE	75	132297-1	132297-1	1	HARNESS-REFLECTOR
33	387618-1	387618-2	1	SIGN RETAINER-R SIDE	76	345735	345735	1	PLUG - 4 TERMINAL
34	337241-1	337241-1	4	CUP WASHER-COIN INSERT	77	320196	320196	4	TERMINAL
35	385985	385985	1	ARM-SCAVENGER	78	384184	384184	4	INSULATED TERMINAL
36	385603-2	385603-2	1	BEARING-ARM	79	324099-2	324099-2	2	CLAMP-HARNESS
37	321720	321720	1	SPRING-ARM	80	385999	385999	1	COIN INSERT CASTING
38	387011	387011	1	COIN RETURN LEVER	81*	133079-3	133079-4	1	CONTROL PANEL-SEE PAGE 24*
39	U800696	U800696	2	TAPPING SCRW-ARM/LEVER	82	133112	133112	1	DOOR HARNESS-SEE PAGE 26
40	132827	132827	1	COIN INSERT CHUTE ASSY	83	132902	132902	1	COIN BOX ASSEMBLY
41	385980	385980	1	CHUTE	84*	132964-1	132964-1	1	FILLER PLATE*
42	385981	385981	1	COVER-CHUTE	85	387496	387496	4	SPACER-FILLER PLATE
43	U800764	V800764	1	TAPPING SCREW-COVER	86	U801455	U801455	4	WASHER-FILLER PLATE

\*NOTE: INDICATED PARTS ARE UNPAINTED: YOU MUST FURNISH DECOR (PAINT) NUMBER WITH THE PART NUMBER.  
THIS DECOR NUMBER MAY BE OBTAINED FROM THE METAL IDENTIFICATION PLATE MOUNTED ON THE SIDE OF THE CABINET.

NOTE: FOR LABELS - SEE PAGE 50  
FOR FLAVOR LABELS - SEE PAGE 53



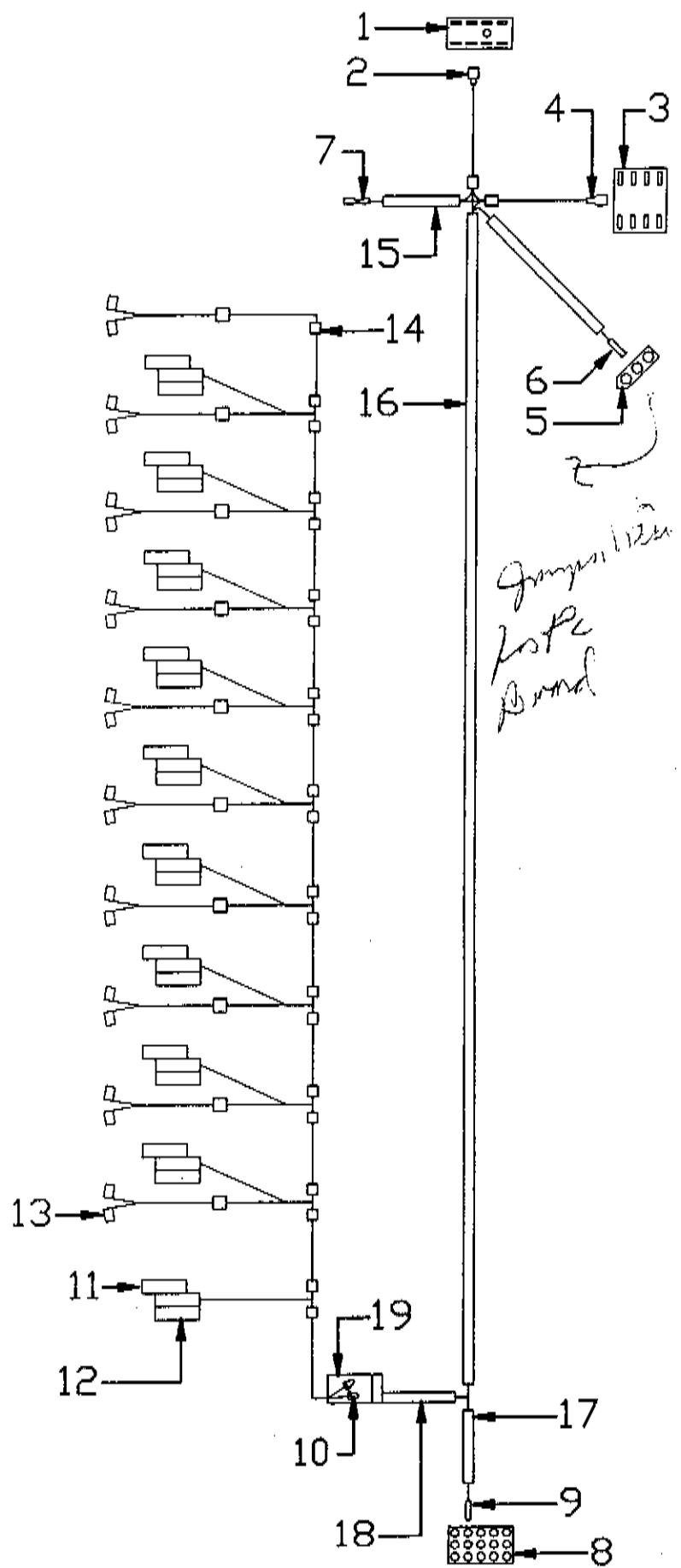
**Vendo®**

## CONTROL PANEL - PEPSI MAGNUM "C"

ITEM NO.	PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
1*	133079-3	1	CONTROL PANEL WELD - (UNPAINTED) 480 10 SELECT*
1*	133079-4	1	CONTROL PANEL WELD - (UNPAINTED) 570 10 SELECT*
2	387076	3	GROMMET - MOUNTING PLATE
3	387033	1	SWITCH MOUNTING PLATE
4	V801422	10	TAPPING SCREW - PLATE/PANEL TO DOOR
5	387576	10	SELECTION SWITCH
6	340025-3	10	INSULATOR - SWITCH
7	V801442	20	MACHINE SCREW - SWITCH
8	387588-1	10	SPEED NUT - SWITCH SCREW
9	132275	1	SELECTION BUTTON - PEPSI
-	132275-2	1	SELECTION BUTTON - MTN DEW
-	132275-3	1	SELECTION BUTTON - PEPSI FREE
-	385990	6	SELECTION BUTTON - NO LABEL
10	385991	10	SOLD - OUT LAMP
11	385994	20	LEAF SPRING - BUTTON
12	V801450	20	TAPPING SCREW - SPRING
13	132964-1	1	FILLER PLATE
14	387496	4	SPACER/SCREW -PLATE
15	V801455	4	WASHER - PLATE

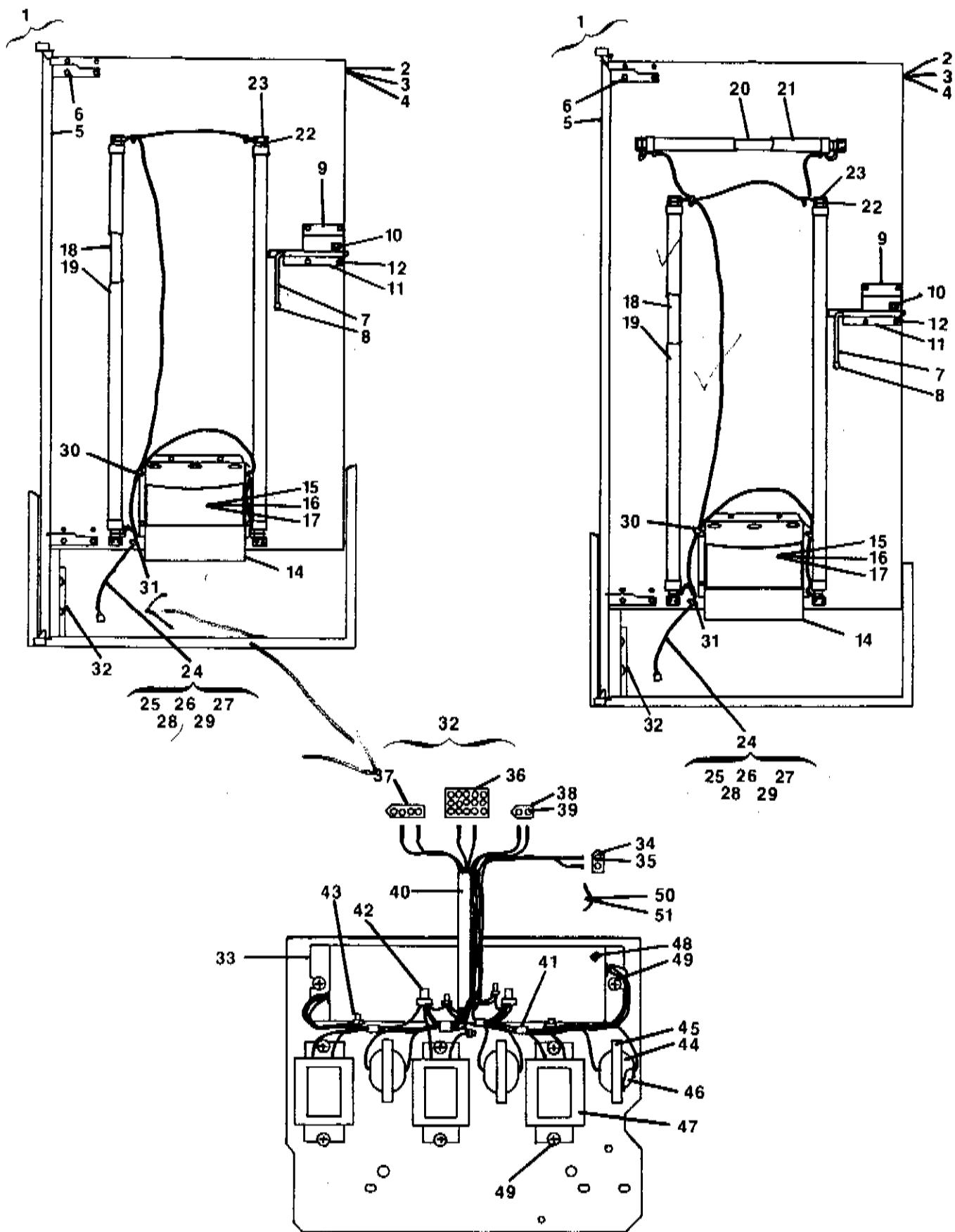
NOTE: FOR FLAVOR LABELS - SEE PAGE 53

\*NOTE: FOR INDICATED PARTS: YOU MUST FURNISH DECOR (PAINT) NUMBER WITH THE PART NUMBER. THIS DECOR NUMBER MAY BE OBTAINED FROM THE METAL IDENTIFICATION PLATE MOUNTED ON THE SIDE OF THE CABINET.



## DOOR HARNESS - PEPSI MAGNUM "C"

ITEM NO.	PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
1	133112	1	DOOR HARNESS ASSEMBLY - 480, 570 (10 SELECT)
2	327254	1	RECEPTACLE - COINAGE
3	327060	6	TERMINAL - RECEPTACLE
4	365619	1	RECEPTACLE - CREDIT RELAY
5	360805-1	7	TERMINAL - RECEPTACLE
6	345734	1	RECEPTACLE - E.S. BOARD
7	320195	3	TERMINAL - FEMALE
8	387126	2	INSULATED TERMINAL
9	345006	1	PLUG - HARNESS
10	320196	13	TERMINAL - MALE
11	43842	2	CLOSED - END CONNECTOR
12	336138	29	TERMINAL
13	384190	10	COVER - TERMINAL (TRIPLE)
14	385706	20	TERMINAL - FLAG
15	VM5104-8	A/R	ELECTRICAL TAPE
16	V801160	2	PLASTIC TUBING (3")
17	V801163	31.5"	PLASTIC TUBING
18	V801166	30.5"	PLASTIC TUBING
19	V801165	4"	PLASTIC TUBING
20	V801169	2.5"	PLASTIC TUBING
	353343	1	CREDIT RELAY

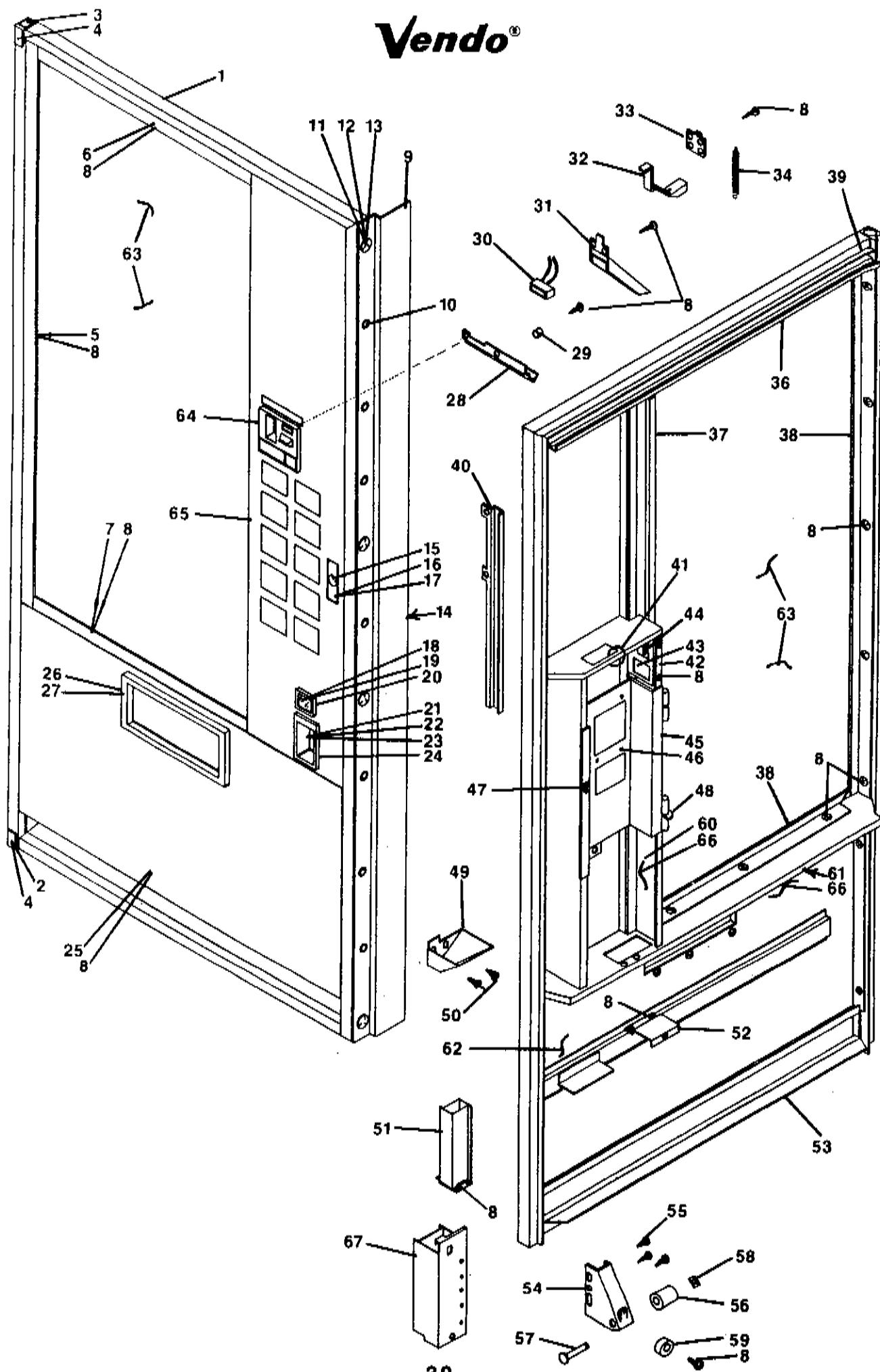


## INNER DOOR ASSEMBLY - PEPSI MAGNUM "C"

ITEM NO.	480 PART NO.	570 PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
1	133151	133152	1	INNER DOOR ASSEMBLY
2	133149-4	133149-5	1	INNER DOOR PANEL ASSEMBLY
3	385887-4	385887-5	1	GASKET - INNER DOOR
4	V800548	V800548	A/R	TAPPING SCREW
5*	133154-1	133154-2	1	TORQUE TUBE WELD ASSEMBLY (UNPAINTED)*
6	V801343	V801343	4	TAPPING SCREW - TORQUE TUBE
7	387811	387811	1	LEVER - DOOR LATCH
8	387910	387910	1	CAP - LEVER
9	387809	387809	1	BRACKET - LATCH/NUT
10	V801469	V801469	1	CAPTIVE NUT - "T" HANDLE LATCH
11	387810	387810	1	RETAINER - LEVER
12	V801356	V801356	4	TAPPING SCREW - BRACKET/RETAINER
13	387921	387921	1	GUIDE - LEVER
14	133155	133155	1	HOPPER ASSEMBLY
15	387270	387270	1	DELIVERY EYELET DOOR
16	46122-2	46122-2	1	HINGE PIN - DELIVERY DOOR
17	V800570	V800570	3	TAPPING SCREW - DELIVERY DOOR
18	383980	383980	2	LAMP - FLUORESCENT 48"
19	384166	384166	2	LAMP GUARD - 48"
20	-	382974	1	LAMP - FLUORESCENT 24"
21	-	384166-1	1	LAMP GUARD - 24"
22	387122	387122	A/R	LAMP HOLDER
23	387019	387019	A/R	BRACKET - LAMP/HOLDER
24	133002	133003	1	LIGHT HARNESS
25	345736	345739	1	PLUG
26	320196	320196	A/R	TERMINAL - MALE
27	384182	384182	2	INSULATED TERMINAL - STRAIGHT
28	384186	384186	A/R	INSULATED TERMINAL - STRAIGHT
29	385706	385706	4	INSULATED TERMINAL - FLAG
30	324099-2	324099-2	A/R	CLAMP - HARNESS
31	324099-4	324099-5	2	CLAMP - HARNESS
32	132292	132293	1	BALLAST ASSEMBLY
33	387026	387026	1	BRACKET
34	345005	345005	1	PLUG - 2 TERMINAL
35	320196	320196	2	TERMINAL - MALE
36	345738	345740	1	RECEPTACLE
37	345736	345376	1	RECEPTACLE - 4 TERMINAL
38	345008	345008	1	RECEPTACLE - 2 TERMINAL
39	320195	320195	A/R	TERMINAL - FEMALE
40	V801167	V801167	A/R	PLASTIC TUBING (IN INCHES)
41	VM5104-8	VM5104-8	A/R	TAPE
42	43842	43842	A/R	CONNECTOR - LARGE
43	41707	41707	A/R	CONNECTOR - SMALL
44	327675-2	327675-2	A/R	SOCKET - STARTER
45	V800060	V800060	A/R	MACHINE SCREW - SOCKET
46	321350	321350	A/R	STARTER - 24" LAMPS
47	321345-3	321345-3	A/R	BALLAST - 24" LAMPS
48	383982	383982	1	BALLAST - 48" LAMPS
49	V801204	V801204	A/R	TAPPING SCREW - BALLAST
50	324099-7	324099-7	1	CLAMP - WIRE
51	V800503	V800503	1	TAPPING SCREW - CLAMP

\*NOTE: FOR INDICATED PARTS: YOU MUST FURNISH DECOR (PAINT) NUMBER WITH THE PART NUMBER. THE DECOR NUMBER MAY BE OBTAINED FROM THE METAL IDENTIFICATION PLATE MOUNTED ON THE SIDE OF THE CABINET.

NOTE: FOR LABELS - SEE PAGE 50



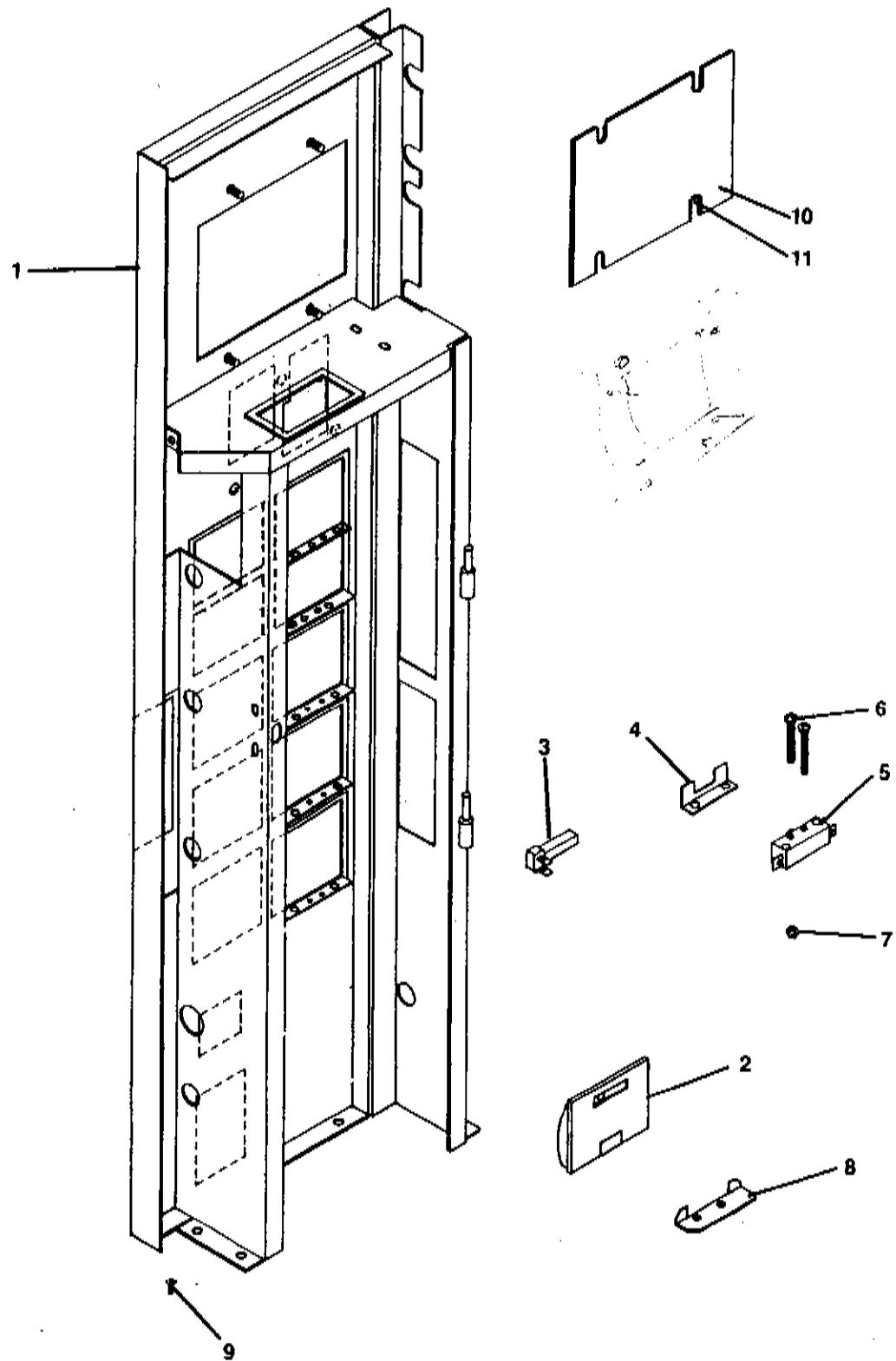
**Vendo®**

OUTER DOOR ASSEMBLY - TRADE

ITEM NO.	480 PART NO.	570 PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
-	139191	139191-1	1	OUTER DOOR ASSEMBLY
1*	138135-3	138135-5	1	DOOR FRAME WELD (UNPAINTED)*
2	383616	383616	1	HINGE PIN CASTING - BOTTOM
3	383616-1	383616-1	1	HINGE PIN CASTING - TOP
4	V801418	V801418	4	RIVET - CASTING
5*	383907-27	383907-9	1	SIGN FRAME - LEFT SIDE (UNPAINTED)*
6*	384031-7	384031-9	1	SIGN FRAME - TOP (UNPAINTED)*
7*	383891-7	383891-9	1	SIGN FRAME - BOTTOM (UNPAINTED)*
8	V801422	V801422	A/R	TAPPING SCREW
9*	387808-1	387808-2	1	DOOR GUARD (UNPAINTED)*
10	383118	383118	A/R	RIVET - DOOR GUARD
11	V801436	V801436	3	CARRIAGE BOLT - DOOR GUARD
12	V800947	V800947	3	NUT - BOLT
13	V801016	V801016	3	FLAT WASHER - BOLT
14	384229	384229	1	NEOPRENE - DOOR GUARD
15	132988	132988	1	"T" HANDLE LOCK ASSEMBLY
16	V329258-2	V329258-2	2	CARRIAGE BOLT - LOCK ASSEMBLY
17	387895	387895	1	WATER CHUTE - LOCK ASSEMBLY
18	320934-1	320934-1	1	DOOR - COIN RETURN
19	320935	320935	1	PIN - DOOR
20	320932	320932	1	TRIM - COIN RETURN
21	31700	31700	1	CROWN FULLER
22	383777	383777	1	SPACER - CROWN FULLER
23	V800525	V800525	3	TAPPING SCREW - CROWN FULLER
24	356467-2	356467-2	1	TRIM - CROWN FULLER
25*	131909-31	131909-31	1	LOWER DOOR PANEL (UNPAINTED)*
26	387125	387125	1	EYELET TRIM
27	V800774	V800774	6	TAPPING SCREW - EYELET
28	385339	385339	1	RAIN TROUGH - CONTROL PANEL
29	337241-1	337241-1	1	CUP WASHER - COIN INSERT
30	124435	124435	1	CORRECT CHANGE LAMP
31	131861	131861	1	COIN INSERT CHUTE
32	385325	385325	1	LEVER - COIN RETURN
33	385625	385625	1	RETAINER - LEVER
34	385786	385786	1	SPRING - LEVER
35	383921-4	383921	1	SIGN RETAINER - LEFT SIDE
36	383909-1	383909-1	1	SIGN RETAINER - TOP
37	385044-2	385044	1	SIGN RETAINER - RIGHT SIDE (CONTROL PANEL)
38	383953-1	383953	1	SIGN RETAINER - BOTTOM
39	387038-1	387038-1	1	GASKET - OUTER DOOR (TOP)
40	384291	384291	1	RAIN TROUGH - DOOR
41	385041	385041	1	TIE - COINAGE HARNESS
42	353949	353949	1	CREDIT RELAY
43	387642	387642	1	BRACKET - RELAY/RECEPTACLE
44	V800331	V800331	2	TAPPING SCREW - RECEPTACLE
45	131858	131858	1	COINAGE DOOR
46	V800762	V800762	3	SCREW - COINAGE DOOR
47	379407-2	379407-2	1	LATCH - COINAGE DOOR
48	384279	384279	1	STOP - COINAGE DOOR
49	385002	385002	1	COIN RETURN CHUTE
50	V800787	V800787	2	TAPPING SCREW - CHUTE
51	131844	131844	1	COIN BOX CHUTE
52	385456	385456	1	BRACKET - COIN BOX
53*	385494-4	385494-4	1	DEFLECTOR - DOOR FRAME (UNPAINTED)*
54	382958	382958	1	ROLLER BRACKET - DOOR
55	V801312	V801312	2	TAPPING SCREW - ROLLER BRACKET
56	368656	368656	1	ROLLER - DOOR
57	368657	368657	1	PIN - ROLLER
58	V801368	V801368	1	RETAINER - PIN
59	369466	369466	1	BUMPER - DOOR
60	324099-6	324099-6	A/R	CLAMP - DOOR HARNESS
61	324099-13	324099-13	A/R	CLAMP - DOOR HARNESS
62	320943	320943	1	CROWN BOX
63	-	-	1	SIGN FACE - SEE PAGE 5
64	385047	385047	1	COIN INSERT CASTING
65*	133136-48	133136-50	1	CONTROL PANEL - (UNPAINTED)* SEE PAGE 32
66	133091	133091	1	DOOR HARNESS - SEE PAGE 34
67	132244	132244	1	COIN BOX ASSEMBLY

\*NOTE: FOR INDICATED PARTS: YOU MUST FURNISH DECOR (PAINT) NUMBER WITH THE PART NUMBER. THIS DECOR NUMBER MAY BE OBTAINED FROM THE METAL IDENTIFICATION PLATE MOUNTED ON THE SIDE OF THE CABINET.

NOTE: FOR LABELS - SEE PAGE 50  
FOR FLAVOR LABELS - SEE PAGE 51 **31**



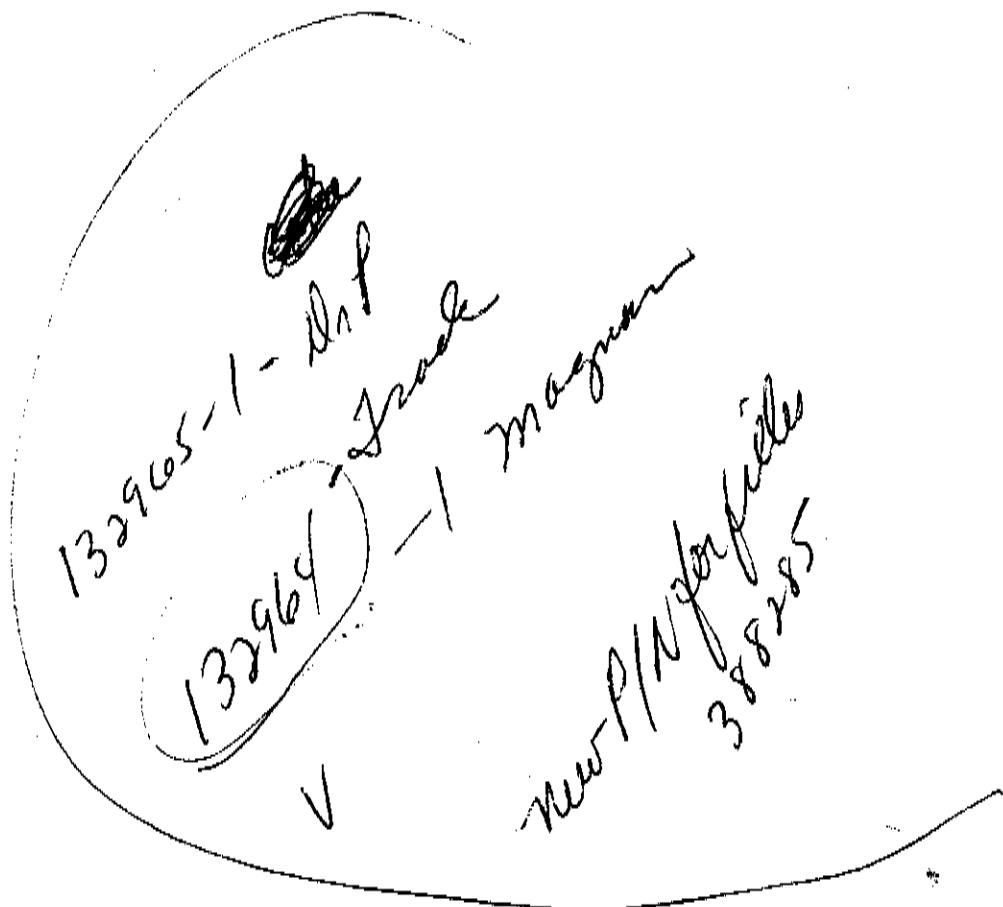
**Vendo®**

CONTROL PANEL - TRADE

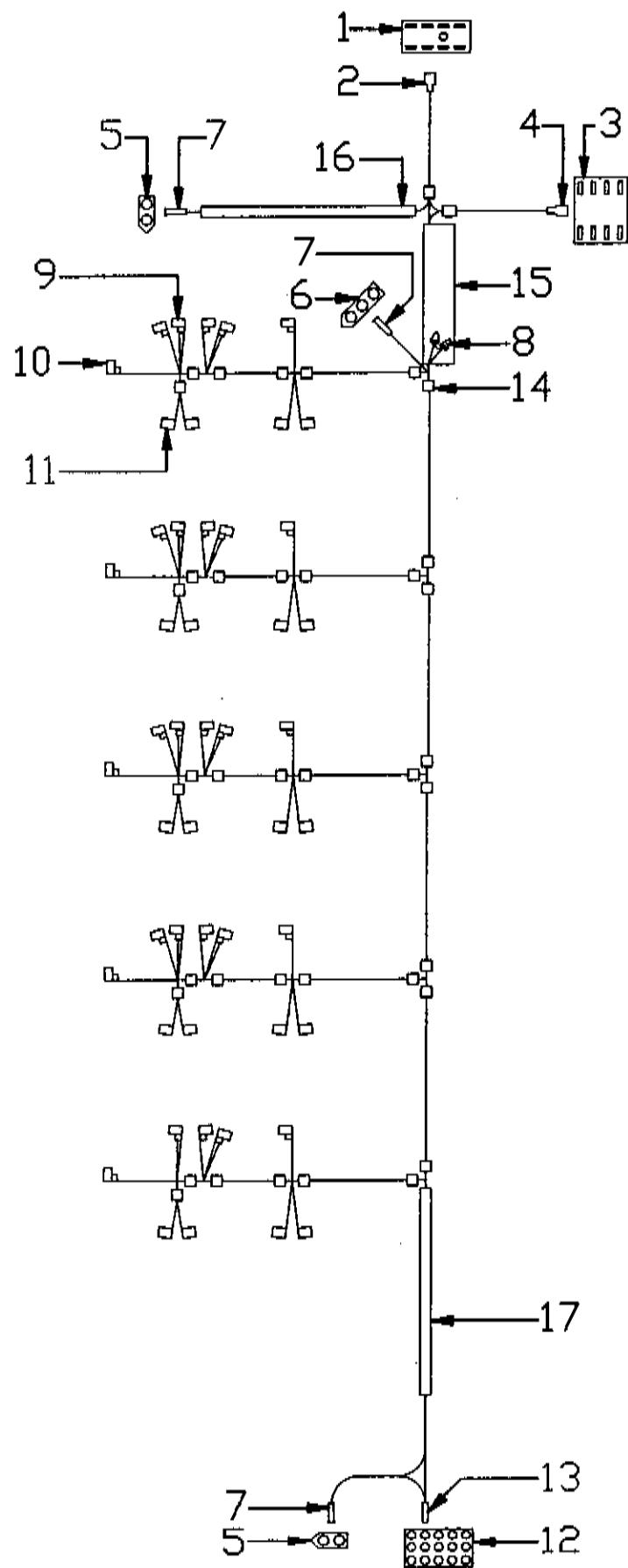
ITEM NO.	PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
1*	133136-48	1	CONTROL PANEL WELD (UNPAINTED) - 480 10 SELECT*
-*	133136-50	1	CONTROL PANEL WELD (UNPAINTED) - 570 10 SELECT*
2	370841-1	10	SELECTION BUTTON - SMALL (NO LABEL)
3	383991	10	SOLD OUT LAMP
4	385878	10	SPRING
5	385440	10	SWITCH - SELECTION
6	V800337	20	MACHINE SCREW - SWITCH
7	V800955	20	HEX NUT/LOCK WASHER UNIT
8	385466	10	STOP - SMALL BUTTON
9	V801422	A/R	TAPPING SCREW - CONTROL PANEL TO DOOR
10	132964	1	FILLER PLATE
11	V800456	4	HEX NUT - PLATE

\*NOTE: FOR INDICATED PARTS: YOU MUST FURNISH DECOR (PAINT) NUMBER WITH PART NUMBER. THIS DECOR NUMBER MAY BE OBTAINED FROM THE METAL IDENTIFICATION PLATE MOUNTED ON THE SIDE OF THE CABINET.

NOTE: FOR LABELS - SEE PAGE 50  
FOR FLAVOR LABELS - SEE PAGE 51



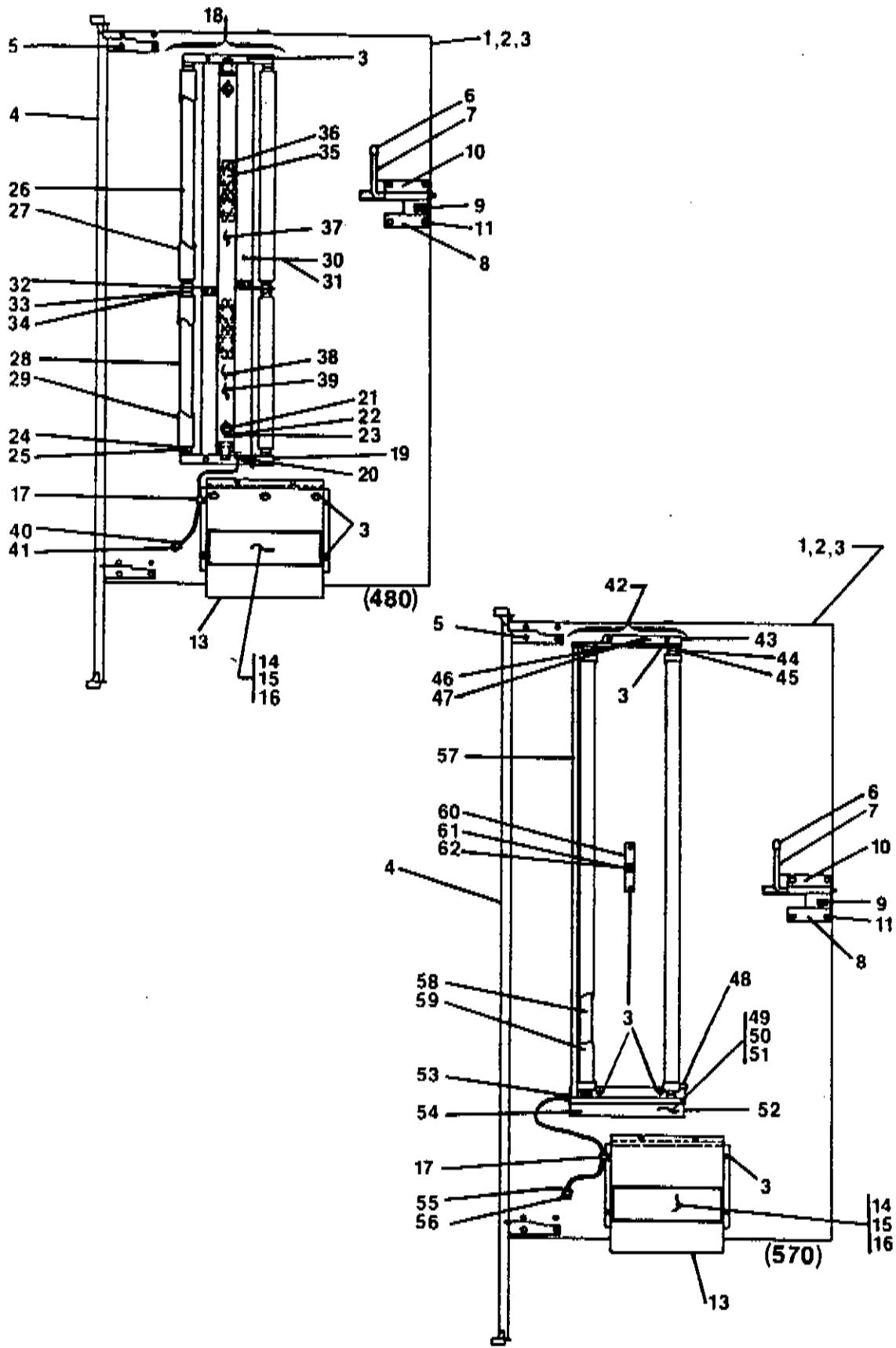
# Vendo®



**Vendo®**

## DOOR HARNESS - TRADE

ITEM NO.	PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
-	193091	1	DOOR HARNESS ASSEMBLY 480,570 (10 SELECT)
1	365619	1	RECEPTACLE - CREDIT RELAY
2	360805-1	7	TERMINAL - RECEPTACLE
3	327254	1	RECEPTACLE - COINAGE
4	327060	5	TERMINAL - RECEPTACLE
5	345008-1	2	RECEPTACLE - 2 TERMINAL
6	345734	1	RECEPTACLE - E.S. BOARD
7	320195	7	TERMINAL - FEMALE
8	43842	2	CLOSED - END CONNECTOR
9	385708	18	TERMINAL - FLAG
10	384188	17	TERMINAL - FLAG (SINGLE WIRE)
11	383978	9	TERMINAL - FLAG (DUAL WIRE)
12	345006	1	PLUG - HARNESS
13	320196	13	TERMINAL - MALE
14	384190	1	COVER - TERMINAL (TRIPLE)
15	VM5104-8	A/R	ELECTRICAL TAPE
16	V801160	3"	PLASTIC TUBING
17	V801169	6"	PLASTIC TUBING
18	V801166	30.5"	PLASTIC TUBING
19	V801163	4.5"	PLASTIC TUBING
20	353343	1	CREDIT RELAY



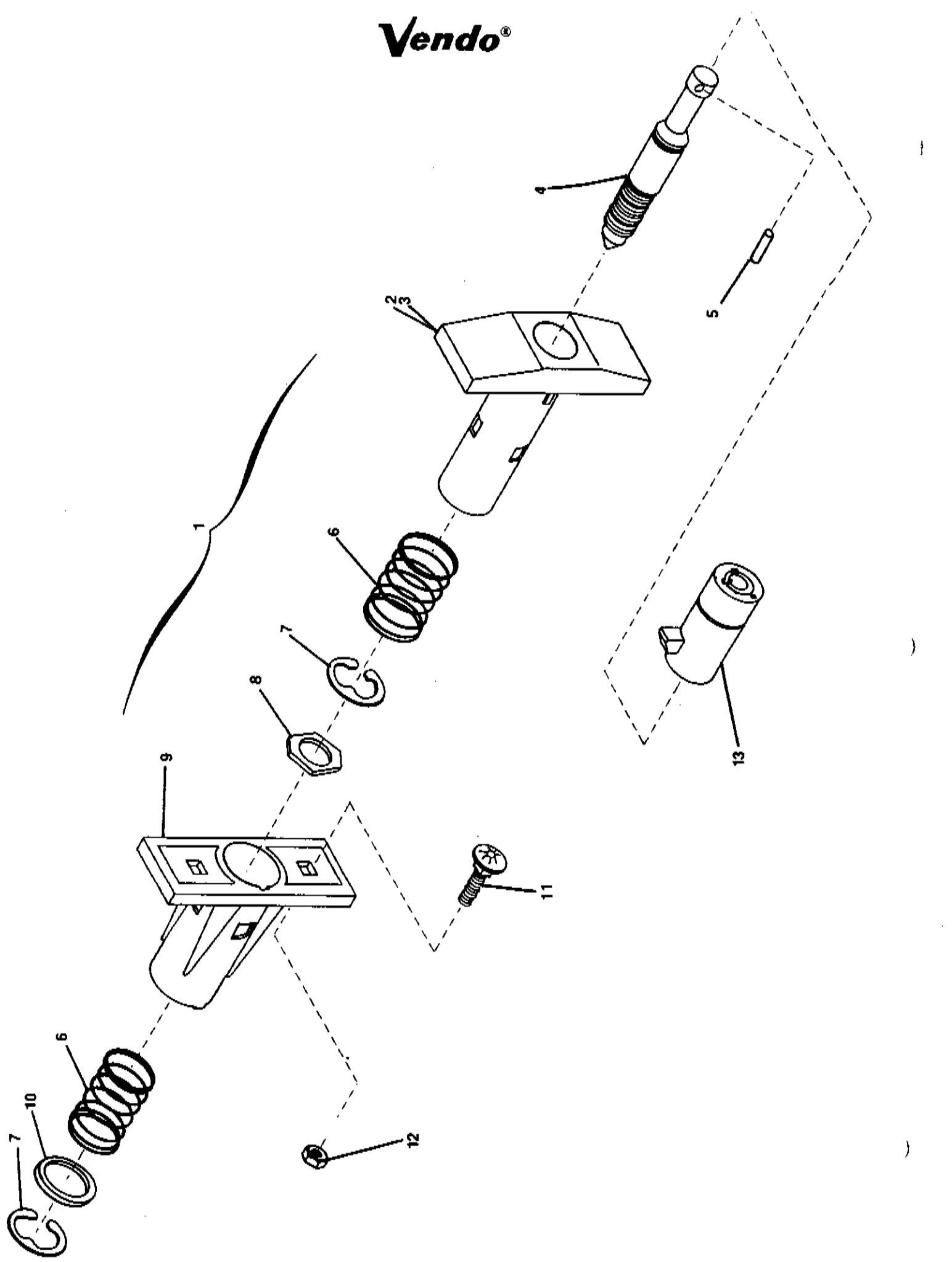
## INNER DOOR ASSEMBLY - TRADE

ITEM NO.	480 PART NO.	570 PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
1	133150	133152	1	INNER DOOR ASSEMBLY
2	133149-4	133149-5	1	INNER DOOR PANEL ASSEMBLY
3	385987-4	395887-5	1	GASKET - INNER DOOR
4	V800548	V800548	A/R	TAPPING SCREW
4*	133154-1	133154-2	1	TORQUE TUBE WELD ASSEMBLY (UNPAINTED) *
5	V801343	V801343	4	TAPPING SCREW - TORQUE TUBE
6	387724	387724	1	LEVER - DOOR LATCH
7	387910	387910	1	CAP - LEVER
8	387722	387722	1	BRACKET - LATCH/NUT
9	V801469	V801469	1	CAPTIVE NUT - "T" HANDLE LATCH
10	387721	387721	1	RETAINER - LEVER
11	V801356	V801356	4	TAPPING SCREW - BRACKET/RETAINER
12	387921	387921	1	GUIDE - LEVER
13	133144	133144	1	HOPPER ASSEMBLY
14	387270	387270	1	DELIVERY EYELET DOOR
15	46122-2	46122-2	1	HINGE PIN - DELIVERY DOOR
16	V800570	V800570	3	TAPPING SCREW - DELIVERY DOOR
17	324099-2	324099-2	1	CLAMP - REFLECTOR HARNESS
18	131521-2	-	1	REFLECTOR ASSEMBLY
19	341331	-	2	END BRACKET
20	327699-2	-	1	BUSHING - STRAIN RELIEF
21	321350	-	4	STARTER
22	327675-2	-	4	SOCKET - STARTER
23	V800060	-	6	MACHINE SCREW SOCKET
24	342622	-	6	LAMP HOLDER
25	V800024	-	6	MACHINE SCREW - HOLDER
26	332974	-	2	LAMP - FLUORESCENT (24")
27	384166-6	-	2	LAMP GUARD - 24"
28	336378	-	2	LAMP - FLUORESCENT (18")
29	384166-7	-	2	LAMP GUARD - 18"
30	384148	-	1	REFLECTOR
31	V800496	-	8	TAPPING SCREW
32	384147	-	2	CENTER BRACKET
33	384146	-	2	LAMP HOLDER - CENTER
34	V80029	-	4	MACHINE SCREW - HOLDER
35	321345-3	-	4	BALLAST
36	V801329	-	9	TAPPING SCREW W/LOCK WASHER
37	342621	-	3	STRAP - ADJUSTABLE
38	41707	-	12	CLOSED END CONNECTOR - SMALL
39	43942	-	2	CLOSED END CONNECTOR - LARGE
40	345005-1	-	1	PLUG - 2 TERMINAL
41	320196	-	2	TERMINAL
42	-	131444	1	REFLECTOR HARNESS ASSEMBLY
43	-	383974	1	UPPER BRACKET
44	-	342622	4	LAMP HOLDER
45	-	V800024	8	TAPPING SCREW - HOLDER
46	-	383971	1	WIRE DUCT - UPPER
47	-	V801421	4	TAPPING SCREW
48	-	383975	1	LOWER BRACKET
49	-	383982	1	BALLAST
50	-	V800128	2	MACHINE SCREW - BALLAST
51	-	V800952	2	HEX NUT W/LOCK WASHER
52	-	383973	1	COVER - BALLAST
53	-	327699-2	1	BUSHING - STRAIN RELIEF
54	-	41707	10	CLOSED END CONNECTOR
55	-	345005-1	1	PLUG - 2 TERMINAL
56	-	320196	2	TERMINAL
57	-	383972	1	DUCT - WIRE
58	-	383980	2	LAMP - FLUORESCENT (48")
59	-	384166	2	LAMP GUARD - 48"
60	-	387211	1	STAND - OFF / INNER DOOR
61	-	369466-2	1	BUMPER / STAND - OFF
62	-	V800638	1	TAPPING SCREW - BUMPER

\*NOTE: FOR INDICATED PARTS, YOU MUST FURNISH DECOR (PAINT) NUMBER WITH THE PART NUMBER. THIS DECOR NUMBER MAY BE OBTAINED FROM THE METAL IDENTIFICATION PLATE MOUNTED ON THE SIDE OF THE CABINET.

NOTE: FOR LABELS - SEE PAGE 50

**Vendo®**



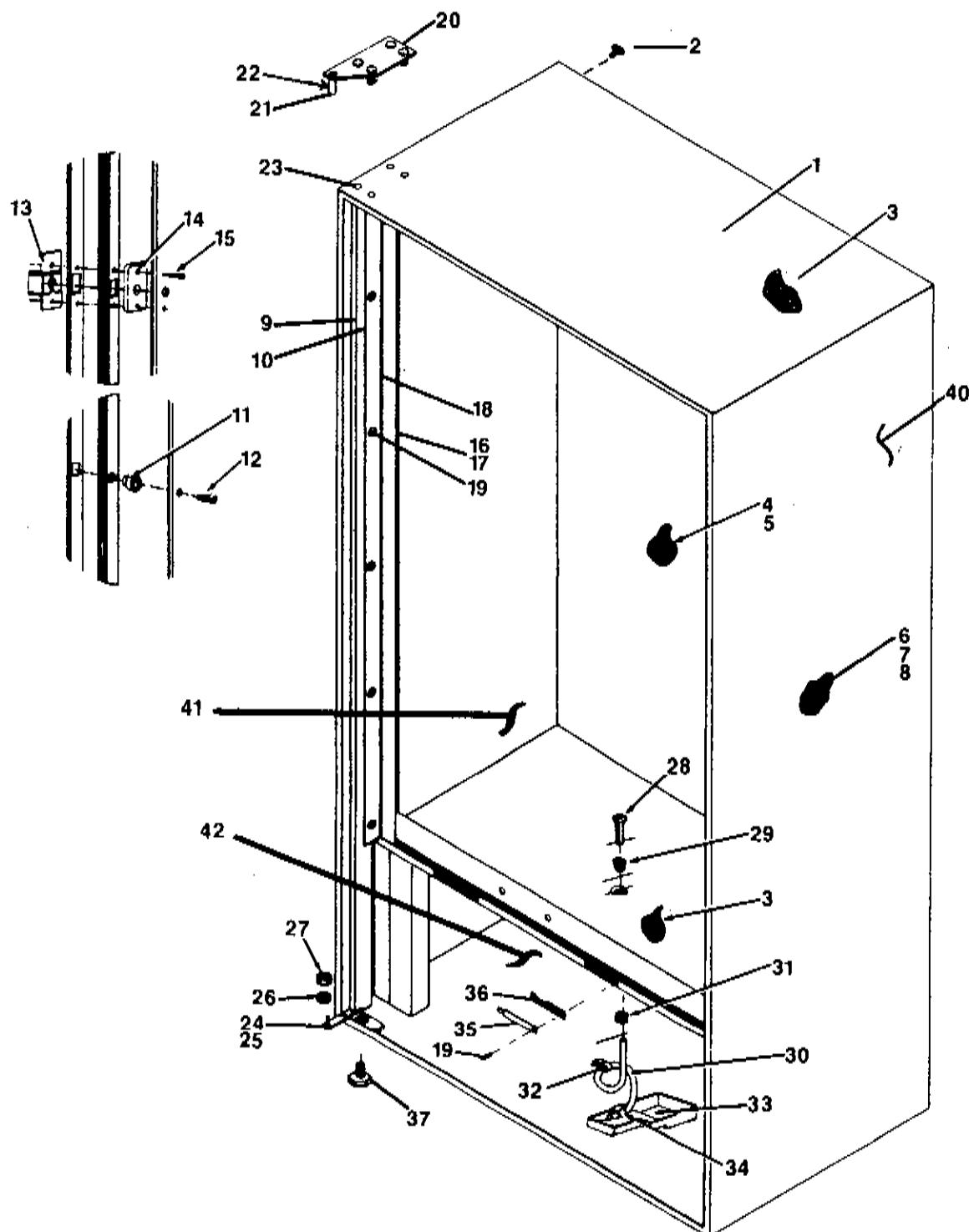
**Vendo®**

## DOOR LOCK ASSEMBLY ("T" HANDLE)

ITEM NO.	PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
1	132988	1	LOCK ASSEMBLY - "T" HANDLE
2	132988-1	1	LOCK ASSEMBLY - "T" HANDLE (DR PEPPER)
3	387603	1	"T" HANDLE
4	387603-1	1	"T" HANDLE - DR PEPPER
5	387599	1	BOLT (THREADED)
6	387601	1	RETAINING PIN - BOLT
7	387598	2	SPRING
8	387719	2	RETAINER - SPRING
9	387600	1	WASHER - HOUSING
10	387597	1	LATCH HOUSING
11	387597	1	FLAT WASHER - SPRING
12	V329258-2	2	CARRIAGE BOLT
13	V800947	2	HEX NUT - BOLT
	123298	1	FLEX ACE LOCK (SPECIFY KEY NUMBER)

Lock PIN  
Lock PIN  
Coy PIN

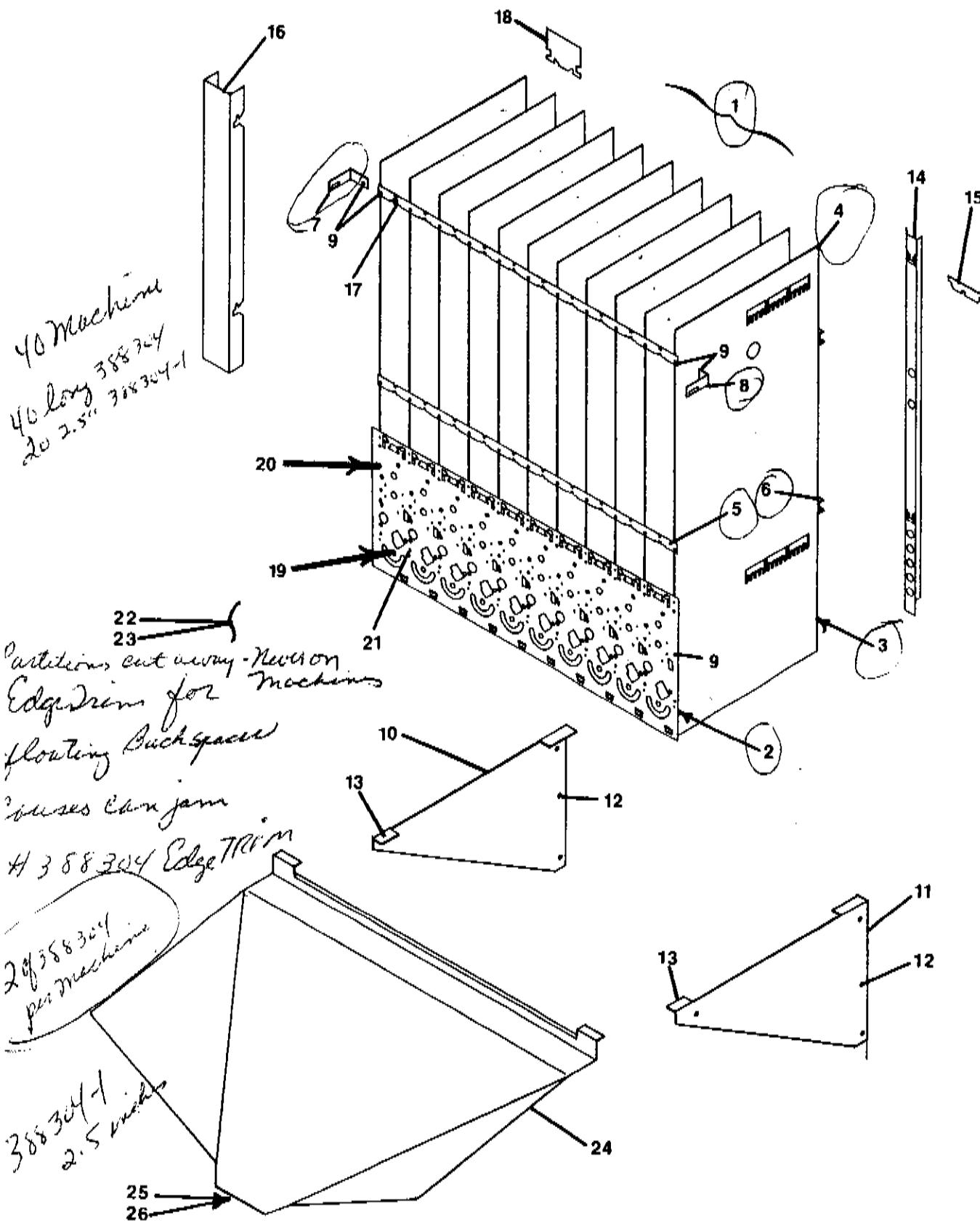
368688270°  
368688270°  
346118270°



## CABINET ASSEMBLY

ITEM NO.	480 PART NO.	570 PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
1*	133147	133081	1	CABINET WELD (UNPAINTED)*
2	380420	380420	5	PLUG - CABINET
3	385460-12	385460-12	2	INSULATION - TOP/BOTTOM
4	385460-6	385460-7	1	INSULATION - BACK (TOP)
5	385461-1	385461-1	1	INSULATION - BACK (BOTTOM)
6	387254-7	387254-10	1	INSULATION - SIDE (TOP)
7	382799-11	382799-11	2	INSULATION - SIDE (BOTTOM)
8	382800-8	382800-9	2	INSULATION BOARD - SIDE
9	133158-1	133156	1	LINER WELD ASSEMBLY
10	377747	377747	A/R	GASKET - CABINET (IN INCHES)
11	320975	320975	A/R	NUT - SNAP IN
12	V800876	V800876	A/R	TAPPING SCREW
13	332497	332497	A/R	RETAINER NUT
14	369413	369413	A/R	SPACER
15	V800514	V800514	A/R	TAPPING SCREW
16	387765-1	387765-2	2	BREAKER - SIDE (BOTTOM)
17	387766	387766	2	BREAKER - SIDE (TOP)
18	377747	377747	A/R	FOAM STRIP - BREAKER (IN INCHES)
19	V800548	V800548	A/R	TAPPING SCREW
20*	132233	132233	1	UPPER DOOR HINGE PLATE (UNPAINTED)*
21	385842	385842	1	HINGE PIN - UPPER
22	387119	387119	1	SET SCREW - PIN
23	V800959	V800959	4	HEX NUT/LOCKWASHER - HINGE PIN
24	365841	365841	1	LOWER DOOR HINGE PIN PLATE
25	365008-1	365008-1	1	HINGE PIN - LOWER
26	365822	365822	1	SPACER #1 - DOOR HINGE
27	365822-1	365822-1	1	SPACER #2 - DOOR HINGE
28	385847	385847	1	DRAIN TUBE
29	387837	387837	1	GASKET - DRAIN TUBE
30	340061	340061	A/R	DRAIN TUBING (IN INCHES)
31	387925	387925	1	NYLON NUT - TUBING
32	342621	342621	1	STRAP - ADJUSTABLE
33	339840	339840	1	CONDENSATE PAN
34	321304	321304	1	CLIP - TUBING TO PAN
35	366092	366092	2	CLOSURE CAP
36	368441	368441	2	GASKET
37	387678	387678	4	LEVELING SCREW - PEPSI ONLY
-	324386	324386	4	LEVELING SCREW - ALL OTHERS
38	387923	387923	1	DOOR LIFT - PEPSI MAGNUM/DR PEPPER
-	382956	382956	1	DOOR LIFT - ALL OTHERS
39	V801432	V801432	2	TAPPING SCREW - DOOR LIFT
40	-	-	2	SIDE DECAL - SEE PAGE 5
41	-	-	1	STACK ASSEMBLY - SEE PAGE 42
42	-	-	1	REFRIGERATION ASSEMBLY - SEE PAGE 48

\*NOTE: FOR INDICATED PARTS: YOU MUST FURNISH DECOR (PAINT) NUMBER WITH THE PART NUMBER. THIS DECOR NUMBER MAY BE OBTAINED FROM THE METAL IDENTIFICATION PLATE MOUNTED ON THE SIDE OF THE CABINET.



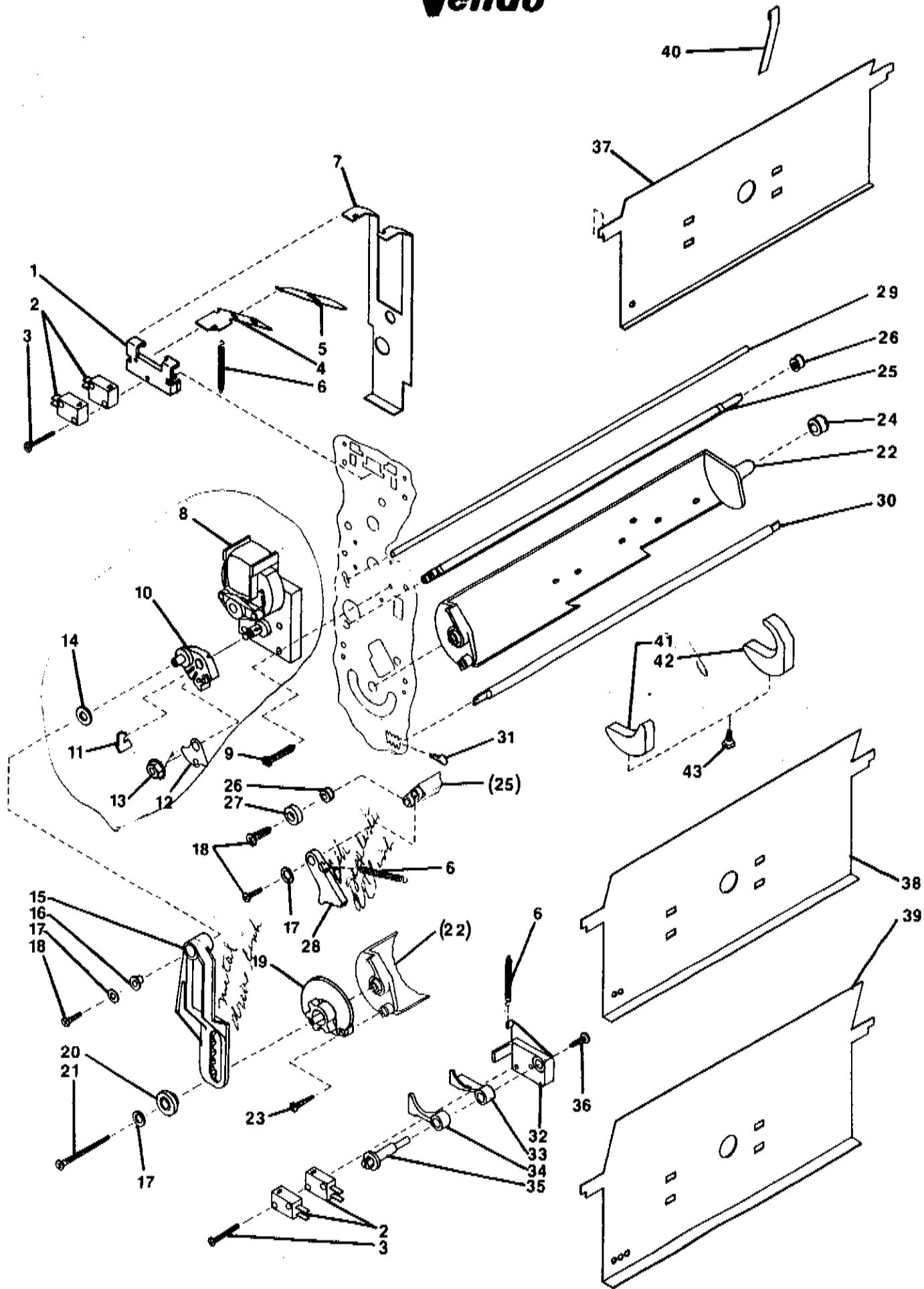
## STACK ASSEMBLY

ITEM NO.	480 PART NO.	570 PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
1	133233-1	133233	1	STACK CHASIS ASSEMBLY
2	387824	387824	1	FRONT MECH PLATE
3	387823	387823	1	REAR MECH PLATE
4	387825-4	387825-1	11	PARTITION
5	387815	387815	12	FRONT STRAP - PARTITION
6	388039	388039	12	REAR STRAP - PARTITION
7	388040	388040	11	STACK SUPPORT - LEFT
8	388041	388041	11	STACK SUPPORT - RIGHT
9	V801484	V801484	99	TAPPING SCREW - STACK
10	387767	387767	1	STACK MOUNTING PLATE - LEFT
11	387767-1	387767-1	1	STACK MOUNTING PLATE - RIGHT
12	332829	332829	6	HEX HEAD SCREW (PLATE TO CABINET)
13	V800876	V800876	4	TAPPING SCREW - STACK MOUNTING
14	387813-1	387813	10	BACK SPACER
15	387816	387816	20	HANGER - BACKSPACER
16	387834-1	387834	5	PRODUCT RETAINER
17	387920	387920	10	CLIP - RETAINER
18	387912	387912	10	AIR BAFFLE
19	-	-	10	MECH ASSEMBLY - SEE PAGE 44
20	133069	133069	1	VEND MECH HARNESS - SEE PAGE 46
21	387983	387983	10	CLAMP - HARNESS
22	387774	387774	1	MECH COVER
23	V801422	V801422	10	TAPPING SCREW - COVER
24	133146	133146	1	VEND CHUTE WELD
25	V800548	V800548	2	TAPPING SCREW - CHUTE
26	V801415	V801415	2	NUT - TINNERMAN

NOTE: FOR LABELS - SEE PAGE 50

#1 12g can and 10oz Polyethylene

**Vendo®**



**Vendo®**

## **MECH ASSEMBLY**

ITEM NO.	3D PART NO.	NO. * REQ.	PART NAME AND DESCRIPTION
1	387807	1	RETAINER - SOLD OUT
2	368299	4	SWITCH (SOLD OUT/MOTOR)
3	V801478	4	TAPPING SCREW - SWITCH
4	387814	1	LEVER - SOLD OUT
5	387887	1	EXTENTION - LEVER
6	387849	1	SPRING
7	387822	1	PRODUCT GUIDE
8	387796	1	VEND MOTOR
9	V801489	4	SCREW - MOTOR
10	387795	1	DRIVE CAM
11	387788	2	CAM LOBE (MOVABLE)
12	387829	1	CAM COVER
13	V800953	1	HEX NUT - CAM
14	V801476	1	NYLON WASHER - CAM TO LINK
15	387793	1	DRIVE LINK <del>PACK</del>
16	383983	1	NYLON BEARING - LINK
17	V801482	1	FLAT WASHER - LINK/GATE
18	V801475	1	TAPPING SCREW - LINK/GATE
19	387794	1	BAIL GEAR
20	387785	1	BEARING - LINK TO GEAR
21	V801473	1	TAPPING SCREW - GEAR
22	387797-1	1	BAIL BUCKET
23	V801474	1	TAPPING SCREW - GEAR TO BUCKET
24	385603-5	2	BEARING - BUCKET
25	387900-1	1	PRODUCT GATE
26	385603-4	2	BEARING - GATE
27	387786	1	CUP WASHER - GATE
28	387980	1	LINK - GATE
29	387917-1	1	PRODUCT ROD
30	387818-1	1	SPACER BAR
31	V801479	1	CLIP - SPACER BAR
32	387790	1	SWITCH BRACKET
33	387789	1	LEVER - START/BYPASS SWITCH
34	387791	1	LEVER - MOTOR CARRIER SWITCH
35	387792	1	BEARING POST - LEVERS
36	V801480	1	TAPPING SCREW - BEARING POST
37	387926-1	1	#1 FORM SPACER
38	387827-1	1	#2 FORM SPACER
39	387828-1	1	#3 FORM SPACER
40	387998		ANTI - TILT SPRING (CANS)
41	387812		BOTTLE SUPPORT (POLYLABEL BOTTLE)
42	388007		CROWN SUPPORT (RETURNABLE BOTTLE)
43	V800525	A/R	TAPPING SCREW - SUPPORT

\* NUMBER REQUIRED IS QUANTITIES NEEDED PER COLUMN  
NOTE: FOR LABELS - SEE PAGE 50

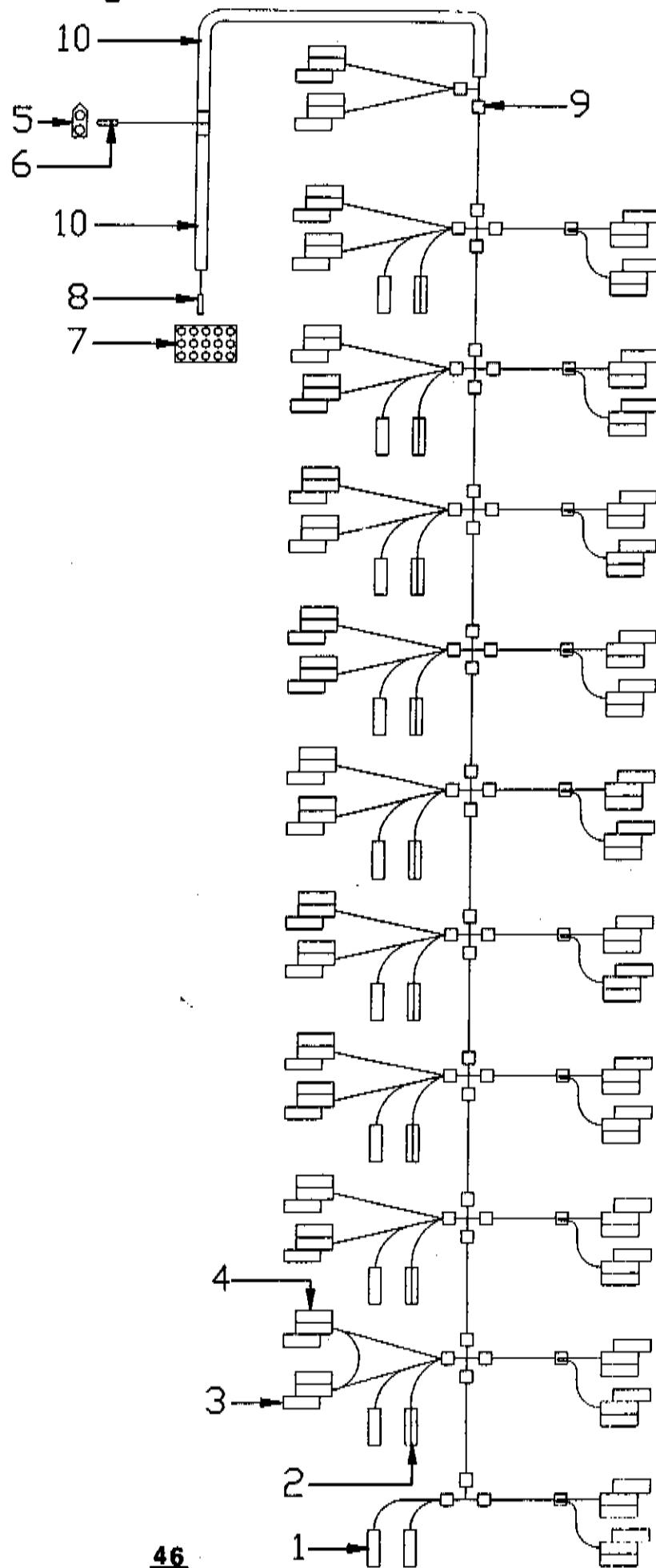
Re very  
situation

ITES NEEDED PER COLUMN  
E 50

Cr Collier 388641 Space Ship  
go behind 10626th

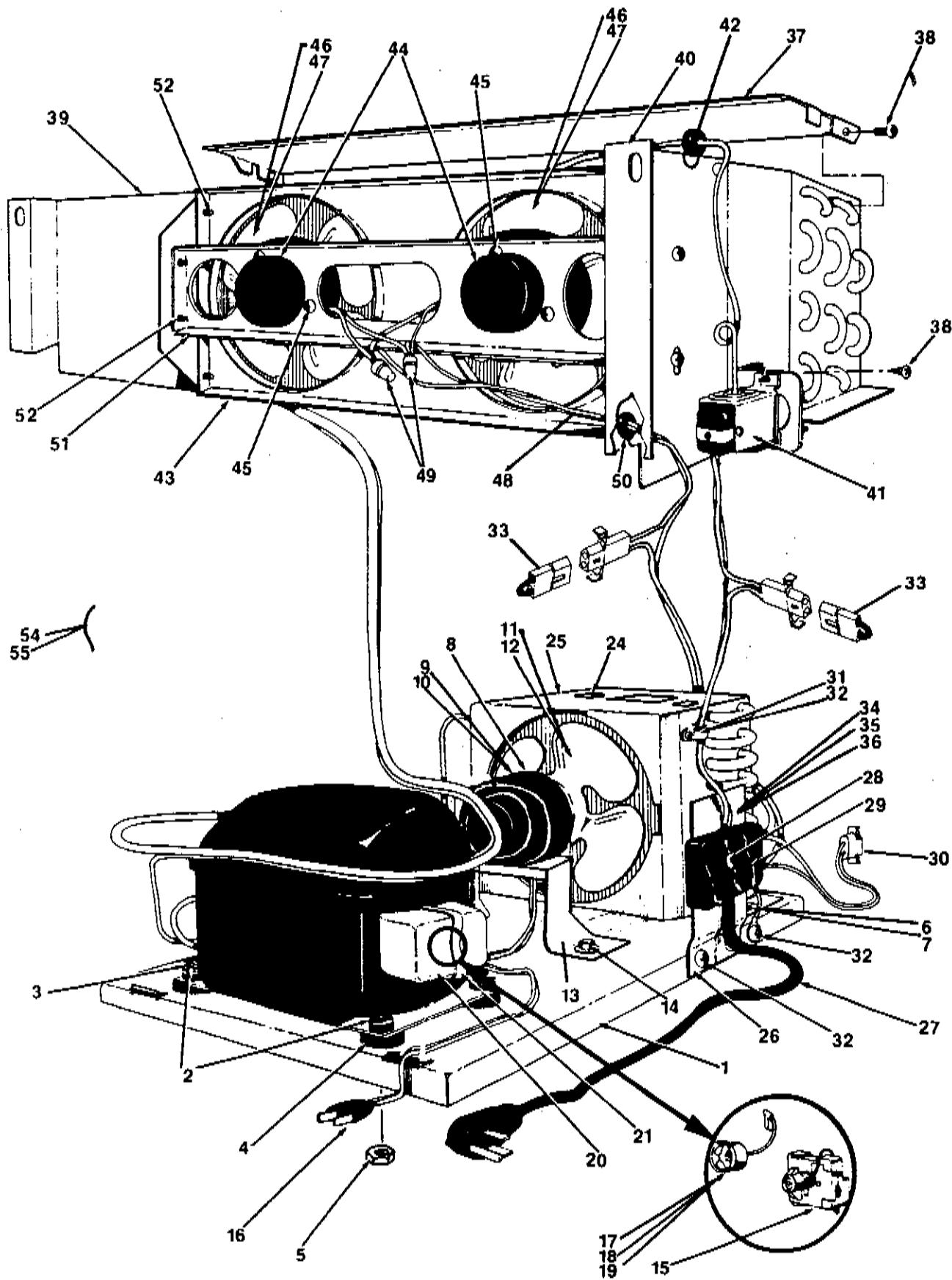
Standard Steel  
502 773 4669

**Vendo®**



## VEND MECHANISM HARNESS

ITEM NO.	PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
1	133069	1	VEND MECH HARNESS - 10 COLUMN
2	385706	11	INSULATED TERMINAL (SINGLE WIRE)
3	385706-1	9	INSULATED TERMINAL (DUAL WIRE)
4	360805	100	TERMINAL
5	360806	40	COVER - TERMINAL (TRIPLE)
6	345005	1	PLUG - 2 TERMINAL
7	320196	2	TERMINAL - MALE
8	345007	1	RECEPTACLE - HARNESS
9	320195	13	TERMINAL - FEMALE
10	VM5104-8	A/R	ELECTRICAL TAPE
	V801166	A/R	PLASTIC TUBING (IN INCHES)



## REFRIGERATION ASSEMBLY

ITEM NO.	PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
1	133134	1	V88 REFRIGERATION REPLACEMENT SYSTEM
2	343839	1	BASE - REFRIGERATION
3	343874	2	SPRING CLIP
4	323090-1	4	GROMMET
5	343872	2	COMPRESSOR MOUNTING STUD
6	V800949	2	HEX NUT & LOCK WASHER
7	V800267	3	MACHINE SCREW - CONDENSER MOUNTING
8	916923	2	NUT PLATE
9	118887-3	1	CONDENSER FAN ASSEMBLY
10	42321-36	1	FAN MOTOR
11	V800371	4	MACHINE SCREW
12	320766	1	FAN BLADE
13	V42323	1	RETAINER - FAN BLADE
14	358154-1	1	MOUNTING BRACKET
15	V800672	2	TAPPING SCREW
16	933894-19	1	STARTING RELAY
17	344105	1	COMPRESSOR CORD
18	45032-33	1	OVERLOAD PROTECTOR
19	V800055	1	MACHINE SCREW - OVERLOAD
20	344305	1	SPRING - OVERLOAD
21	344308	1	COVER - OVERLOAD
22	344306	1	STRAP - COVER
23	324099-3	1	CLAMP
24	V800648	4	TAPPING SCREW - CLAMP
25	987946	1	TAG - REFRIGERATION UNIT
26	351172	1	SHROUD - CONDENSER
27	334052-1	1	BRACKET - SERVICE CORD
28	363670-1	1	SERVICE CORD
29	V800512	1	TAPPING SCREW - SERVICE CORD
30	V800892	2	MACHINE NUT
31	116713	1	WIRE ASSEMBLY
32	324099-4	1	CLAMP
33	V800572	2	TAPPING SCREW - CLAMP
34	131734	2	ADAPTER (JUMPER PLUG)
35	385730	1	CAP BLOCK (E.M.S.)
36	131736	1	E.M.S. HARNESS
37	384709	1	RECEPTACLE - E.M.S.
38	387769	1	COVER - EVAPORATOR
39	V800539	14	TAPPING SCREW
40	387768-1	1	SIDE EXTENSION - LEFT
41	387768	1	SIDE EXTENSION - RIGHT
42	368794	1	TEMPERATURE CONTROL
43	43410	1	GROMMET - TEMPERATURE CONTROL
44	387864	1	ORIFICE - FAN
45	42321-17	2	FAN MOTOR - EVAPORATOR
46	V800586	6	TAPPING SCREW - MOTOR
47	328579	2	FAN BLADE - EVAPORATOR
48	V32323	2	RETAINER - FAN BLADE
49	133174	2	WIRE ASSEMBLY
50	43842	3	CONNECTOR - CLOSE END
51	327699-2	2	BUSHING - WIRE ASSEMBLY
52	328578	1	BRACKET - FAN MOTOR
53	V800503	4	TAPPING SCREW
54	914161	1	TEMPERATURE PROBE, CLIP
55	385629-2	1	CARDBOARD SHROUD (CABINET REFRIGERATION)
	329409	2	CLIP - SHROUD

**Vendo®**

## LABELS AND DECALS

PART NO.	DESCRIPTION	MODEL USED
38421	PATENT LABEL	ALL
326915	CODE LABEL	ALL
376438	COINAGE LABEL	ALL
383401	WARNING LABEL	ALL
385324	PUSH & HOLD . . . DECAL	ALL
385332	CHANGER HARNESS DECAL	STANDARD
387100	CHANGER HARNESS DECAL	MAGNUM
387448	CHANGER HARNESS DECAL	CENTURY II
387898	LOADING INSTRUCTIONS	ALL
387926	PRODUCT SET UP	ALL
385621	E.M.S. MODULE LABEL	ALL 300+ COKE
384703	E.M.S. WIRING DIAGRAM	ALL 300+ COKE
384012-13	DOOR PANEL VINYL - COKE	38.5" WIDE
385159	PRICE INSTRUCTION DECAL - SHORT	STANDARD
385160	PRICE INSTRUCTION DECAL - LONG	COKE
385171	PRICES DECAL 25 CENTS THRU \$1.00	STANDARD
384039	PRICE LABEL INSERT - 30 CENTS	COKE
384039-1	PRICE LABEL INSERT - 35 CENTS	COKE
384039-2	PRICE LABEL INSERT - 40 CENTS	COKE
384039-3	PRICE LABEL INSERT - 45 CENTS	COKE
384039-4	PRICE LABEL INSERT - 50 CENTS	COKE
384039-5	PRICE LABEL INSERT - 55 CENTS	COKE
384039-6	PRICE LABEL INSERT - 60 CENTS	COKE
384039-7	PRICE LABEL INSERT - 65 CENTS	COKE
384039-8	PRICE LABEL INSERT - 70 CENTS	COKE
384039-9	PRICE LABEL INSERT - 75 CENTS	COKE
384039-10	PRICE LABEL INSERT - 80 CENTS	COKE
387029	PRICE INSTRUCTION	MAGNUM/CENTURY II
387027	PRICE DECAL	MAGNUM/CENTURY II
387762	WIRING SCHEMATIC (10 COLUMN)	ALL
387835	WIRING DIAGRAM (9 SEL - 10 COL)	COKE
387836	WIRING DIAGRAM (10 SEL - 10 COL)	MAGNUM
387845	WIRING DIAGRAM (10 SEL - 10 COL)	CENTURY II
387761	WIRING DIAGRAM (10 SEL - 10 COL)	TRADE

FLAVOR STRIPS: COKE AND TRADE

SMALL BUTTON (3 7/16" x 2 5/16")

384171-11	TAB	384171-44	HI-C POMME C/F	384078-26	CHERRY PEPSI
384013-1	FRESCA	384171-13	COCA COLA (CANADIAN)	384171-45	HI-C PEACH C/E
384013-2	MELLO YELLOW	384171-14	SPRITE (CANADIAN)	384171-46	HI-C PECHÉ C/F
384171-15	FANTA ORANGE C/F	384171-47	REALGOLD-GRAPE C/E	384078-27	MANDARIN ORANGE SLICE
384171-17	TAB C/F	384171-48	REALGOLD-GRPFUIT C/E	384078-28	DIET MANDARIN ORANGE SLICE
384171-18	FRESCA (CANADIAN)	384171-49	REALGOLD-ORANGE C/E	384078-29	CHERRY COLA SLICE
384013-6	MR. PIBB	384171-19	LEMON LIME	384171-50	REALGOLD - ORANGE C/F
384013-7	S.F. MR. PIBB	384171-20	GINGER ALE	384171-51	REALGOLD - APPLE C/E
384013-8	FANTA GRAPE	384171-21	CHERRY	384171-52	REALGOLD - PAMPLE MOUSSE C/F
384013-9	FANTA ORANGE	384171-22	STRAWBERRY	384171-53	REALGOLD - POMMES C/F
384013-10	FANTA ROOT BEER	384171-23	COLA	384171-54	REALGOLD - RAISIN C/F
384171-24	ROYAL CROWN	384171-55	A&W ROOT BEER	384078-30	DIET CHERRY COLA SLICE
384013-12	DIET COKE C/E	384171-25	NEHI ORANGE	384171-56	S.F. A&W ROOT BEER
384078	PEPSI	384171-26	NEHI ROOT BEER	384171-57	Hires ROOT BEER
384078-1	TEEM	384171-27	NEHI STRAWBERRY	384171-58	CANADA DRY TONIC
384078-2	GRAPE (PEPSI)	384171-28	NEHI GRAPE	384171-59	HI-C RED PUNCH
384078-3	ORANGE (PEPSI)	384171-29	UPPER 10	384171-60	RONDO
384078-4	ROOT BEER (PEPSI)	384171-30	DIET RITE COLA	384171-61	S.F. RONDO
384078-5	MOUNTAIN DEW	384171-31	SUNKIST	384171-62	CLUB SODA
384078-6	DIET PEPSI	384171-32	DIET SUNKIST	384171-63	SCHWEPPES - TONIC WATER
384078-7	PEPSI LIGHT	384171-33	FANTA ORANGE C/E	384171-64	SCHWEPPES - GOLD GINGER ALE
384078-15	S.F. PEPSI FREE	384171-34	FANTA RAISIN C/E	384171-65	SCHWEPPES - BITTER LEMON
384171-35	FANTA RT BEER C/E	384171-66	SCHWEPPES - GINGER ALE	384078-31	APPLE SLICE
384171-1	FROSTIE ROOT BEER	384171-36	FANTA GRAPE C/E	384171-67	MUG ROOT BEER
384171-2	ORANGE CRUSH	384171-37	FANTA GINGER ALE C/F	384171-68	S.F. SQUIRT
384171-3	S.F. 7-UP	384171-38	FANTA GINGER ALE C/E	384171-4	STRAWBERRY CRUSH
384171-39	HI-C GRAPE C/E	384171-40	HI-C RAISIN C/F	387078-32	DIET APPLE SLICE
384171-76	LIKE	384171-6	GRAPE CRUSH	384171-41	HI-C ORANGE C/E
384171-77	S.F. LIKE	384171-7	DIET 7-UP	384171-42	HI-C ORANGE C/F
384171-8	7-UP	384171-43	HI-C APPLE C/E	384078-33	PEPSI FREE CAFFEINE FREE
384013-13	DIET COKE C/F	384013-14	CAFFEINE FREE COKE	384171-73	BARREL HEAD ROOT BEER
384013-15	CAF FREE DIET COKE	384013-16	CAFFEINE FREE TAB	384013-20	COKE (NEW)
384171-80	S.F. RC 100	384013-21	COKE CLASSIC (NEW)	384013-22	CHERRY COKE (NEW)
384171-81	FANTA RT BEER C/F	384171-82	S.F. SPRITE C/E	384171-83	S.F. SPRITE C/F
384171-84	FRESCA C/F	384171-85	COUNTRY TIME LEMONADE	384171-86	PINEAPPLE CRUSH
384171-87	FANTA ORNG C/E/F	384171-88	RAMBLIN ROOT BEER	384171-89	S.F/C.F. DIET RITE
384171-90	S.F. DR PEPPER	384171-91	S.F/C.F. PEPPER FREE	384171-92	PEPPER FREE
384171-93	DR PEPPER	384171-94	CANADA DRY	384171-95	S.F. CANADA DRY
384171-96	DAD'S ROOT BEER	384171-97	BUBBLE - UP	384171-98	MOTT'S APPLE-CRANBERRY
384171-99	MOTT'S APPLE	384171-100	MOTT'S APPLE-GRAPE	384171-101	MOTT'S GRAPEFRUIT
384171-103	HAWAIIIN PUNCH	384171-104	S.F. RAMBLIN KOOT BEER	384171-102	MOTT'S ORANGE FRUIT JUICE BLEND
384171-105	S.F. HIRES RT BEER	384171-106	CREAM CRUSH	384171-107	COLD MILK
384171-108	ORANGE DRINK	384171-109	ORANGE JUICE	384171-110	RC 100
384171-111	DIET MUG RT BEER	384171-112	SQUIRT	384171-113	DIET ORANGE CRUSH
384171-114	S.F. DAD'S RT BEER	384171-115	BAR Q'S ROOT BEER	384171-116	WELCH'S GRAPE
384171-117	NESBITT'S ORNG C/F	384171-118	QUENCH LEMONADE	384171-119	NESTEA
384171-120	WELCH'S STRAWBERRY	384171-121	ORANGE CRUSH C/F	384171-122	STRAWBERRY CRUSH C/F
384171-123	GRAPE CRUSH C/F	384171-124	MOTT'S APPLE RASPBERRY	384171-125	"1" BLACK ON WHITE
384171-124	"2" BLACK ON WHITE	384171-127	"3" BLACK ON WHITE	384171-128	"4" BLACK ON WHITE
384171-129	"5" BLACK ON WHITE	384171-130	"6" BLACK ON WHITE	384171-131	"7" BLACK ON WHITE
384171-132	"9" BLACK ON WHITE	384171-133	"9" BLACK ON WHITE	384171-134	"10" BLACK ON WHITE
384171-135	DIET BUBBLE UP	384171-136	S.F. LIPTON TEA	384171-137	LEMONADE
384171-138	CHERRY R.C.	384013-23	DIET COKE (NEW)	384013-24	TAB (NEW)
384013-25	Sprite (NEW)	384013-26	DIET SPRITE	384013-27	DIET CHERRY COKE
384171-133	"BLANK"	384171-140	C D THITIAN TREAT	384171-141	C PLUS ORANGE
384171-142	DIET CHERRY R.C.	384171-143	DIET FROSTY ROOT BEER	384171-144	DIET DR PEPPER
384171-145	DIET SUNKIST PLUS	384171-146	ICE TEA	384171-147	DIET R.C.
384171-148	CHERRY CRUSH 10Z J	384171-149	HOWDY ORANGE	384171-150	CHERRY WINE
384171-151	DIET SQUIRT PLUS	387488	MINUTE MAID-GRAPE	387488-1	MINUTE MAID-ORANGE
387488-2	MINUTE MAID-APPLE	387488-3	MINUTE MAID-FRUIT PUNCH	387488-4	MINUTE MAID-FRUIT PUNCH
387488-5	HI-C GRAPE	387488-6	HI-C WILD BERRY	387488-7	ORANGE
387488-8	HI-C PEACH	387488-9	HI-C CANDY APPLE COOLER	387488-10	CHERRY
387488-11	FIVE ALIVE-CITRUS	387488-12	FIVE ALIVE-BERRY CITRUS	387488-13	MM DIET ORANGE
387488-14	MM LEMON LIME	387488-15	MM DIET LEMON LIME		

LARGE BUTTON (6 11/16" x 5")

387728	COKE	387728-1	R.C.	387728-2	COKE C/E
387728-3	COKE C/F	387728-4	PEPSI	387728-5	DR PEPPER
387728-6	DIET COKE	387728-7	CLASSIC COKE	387728-8	CHERRY COKE

POINT OF SALE LABEL

387726 THE REAL CHOICE 387726-1 RED,WHITE & YOU 385415 COKE IS IT

C/E: CANADIAN ENGLISH C/F: CANADIAN FRENCH

**Vendo®**FLAVOR STRIPS: CENTURY II

387395	DR PEPPER	387395-1	S.F. DR PEPPER	387395-2	SF/CF PEPPER FREE
387395-3	PEPPER FREE	387395-4	ORANGE	387395-5	LEMON LIME
387395-6	GRAPE	387395-7	ROOT BEER	387395-8	COKE
387395-9	DIET COKE	387395-10	SFRITE	387395-11	SQUIRT
387395-12	SUNKIST	387395-13	WELCH GRAPE	387395-14	DAD'S ROOT BEER
387395-15	DIET SPRITE	387395-16	WELCH STRAWBERRY	387395-17	CAFF FREE DIET COKE
387395-18	PEPSI	387395-19	DIET PEPSI	387395-20	7 UP
387395-21	DIET 7 UP	387395-22	MT DEW	387395-23	ORANGE CRUSH
387395-24	A & W ROOT BEER	387395-25	PEPSI FREE	387395-26	SUGAR FREE PEPSI FREE
387395-27	GRAPE CRUSH	387395-28	STRAWBERRY CRUSH	387295-29	DIET SQUIRT
387395-30	R.C.	387395-31	MUG ROOT BEER	387395-32	DIET RITE
387395-33	TAB	387395-34	SLICE	387395-35	DIET SLICE
387395-36	HAWAIIAN PUNCH	387395-37	DIET A & W ROOT BEER	387395-38	CANADA DRY GINGER ALE
387395-39	C D/SF GINGER ALE	387395-40	C D TAHITIAN TREAT	387395-41	CHERRY R.C.
387395-42	COUNTRY TM/LEMONADE	387395-43	BIG RED	387395-44	NU GRAPE
387395-45	FROSTY ROOT BEER	387395-46	SUN CREST ORANGE	387395-47	UPPER 10
387395-48	COKE CLASSIC	387395-49	CHERRY COKE	387395-50	MELLO YELLO
387395-51	DIET DR PEPPER	387395-52	PEPSI LITE	387395-53	DIET CHERRY COKE

FLAVOR STRIPS:MAGNUM

387037	PEPSI	387037-17	7 UP	387037-34	Hires Root Beer
387037-18	BUBBLE UP	387037-35	WELCH'S GRAPE	387037-50	ICE TEA
387037-2	MOUNTAIN DEW	387037-19	ORANGE CRUSH	387037-36	WELCH'S STRAWBERRY
387037-20	SCHWEPPES GINGERALE	387037-37	FROSTIE ROOT BEER	387037-51	BAR Q'S ROOT BEER
387037-4	PEPSI FREE	387037-21	ON TAP ROOT BEER	387037-38	DIET 7 UP
387037-39	STRAWBERRY(PEPSI)	387037-6	TEEM	387037-23	DR. PEPPER
387037-40	STRAWBERRY CRUSH	387037-7	GRAPE	387037-24	S.F. DR. PEPPER
387037-41	GRAPE CRUSH	387037-52	DIET BAR Q'S ROOT BEER	387037-53	NESBITT'S STRAWBERRY
387037-8	ORANGE	387037-25	PEPPER FREE	387037-42	NESTEA
387037-9	ROOT BEER	387037-26	S.F.CAFF,FR.PEPPER FREE	387037-43	MASON'S ROOT BEER
387037-10	PEPSI AMER.SAUDI	387037-27	SUNKIST	387037-54	YOOHOO CHOCOLATE
387037-11	PEPSI SAUDI ARABIAN	387037-28	A & W ROOT BEER	387037-45	HAWAIIIN PUNCH
387037-12	TEEM SAUDI ARABIAN	387037-29	S.F. A&W ROOT BEER	387037-46	DADS ROOT BEER
387037-13	MIRINDA	387037-30	COUNTRY TIME LEMONADE	387037-47	LIPTON TEA
387037-14	MIRINDA SAUDI	387037-31	SOIURT	387037-48	NESBITS ORANGE
387037-15	SHANI	387037-32	DIET SOIURT	387037-49	NU GRAPE
387037-16	SHANI SAUDI	387037-33	S.F. SUNKIST	387037-55	MUG ROOT BEER
387037-56	SLICE	387037-57	DIET SLICE	387037-58	DIET PEPSI/ONE CALORIE
387037-60	PEPSI LIGHT 1 CAL	387037-61	DIET ORANGE CRUSH	387037-82	QUENCH
387037-63	VERNOR'S	387037-64	GINGER ALE	387037-65	APPLE JUICE
387037-66	ORANGE JUICE	387037-67	BARREL HEAD ROOT BEER	387037-68	CANADA DRY SODA WATER
387037-69	CANADA DRY TONIC	387037-70	CANADA DRY GINGER ALE	387037-71	DIET HIRE'S ROOT BEER
387037-72	CREAM SODA	387037-73	SCHWEPPES SODA	387037-74	SCHWEPPES TONIC WATER
387037-75	WELCH'S APPLE	387037-74	DIET MT DEW	387037-77	DIET SCHWEPPES
387037-78	GRAPEFRUIT JUICE	387037-79	CHERRY PEPSI	387037-80	S.F. MUG ROOT BEER

# SERVICE SECTION

---

## SERVICE SECTION INDEX

<u>INDEX</u>	54
<u>INITIAL SET-UP</u>	55-69
<u>PRODUCT SET-UP GUIDE</u>	64,65
<u>LOADING INSTRUCTIONS</u>	66,67
<u>CONVERSION INSTRUCTIONS</u>	68,77
PREPARATION STEPS	68
TYPICAL PROCEDURES	68-71
CAM LOBES	68
SPACER BAR	69
PRODUCT ROD	69
FORM SPACER	70
BOTTLE SUPPORT	70
CROWN SUPPORT	71
ANTI-TILT SPRING	71
SPECIFIC PRODUCT CONVERSION	72-77
FROM 10 OZ CAN	72
FROM 12 OZ CAN	73
FROM 10 OZ POLYLABEL BTL	74
FROM 16 OZ POLYLABEL BTL	75
FROM 10 RETURN BTL	76
FROM 16 RETURN BTL	77
<u>OPERATING PRINCIPLES</u>	78-98
GENERAL VEND CYCLE	78,79
MECHANICAL OPERATION	80-83
ELECTRICAL OPERATION	82,83
REFRIGERATION OPERATION	96-98
<u>MAINTENANCE</u>	99-106
PREVENTATIVE MAINTENANCE	99
CARE & CLEANING	100,101
LUBRICATION GUIDE	101
BASIC TROUBLE SHOOTING	102-106
<u>WIRING DIAGRAMS</u>	107-111
WIRING SCHEMATIC	107
WIRING DIAGRAM - COKE	108
WIRING DIAGRAM - DR PEPPER	109
WIRING DIAGRAM - PEPSI	110
WIRING DIAGRAM - TRADE	111
<u>MISCELLANEOUS</u>	112,113
KIT LIST	112
SUGGESTED SPARE PARTS	113

# Vendo®

## INITIAL SET UP

### 1. UNPACK

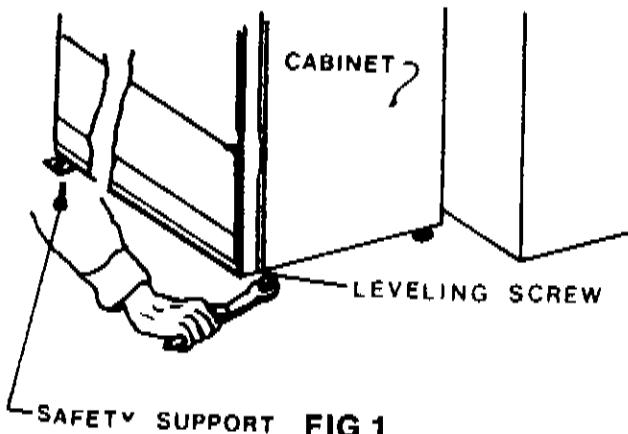
Remove all packing and tape from the vender. Remove wooden shipping base (attached using the leveling screws). Re-install leveling screws.

**CAUTION:** If shipping damage is noticed, save the shipping package, notify the carrier immediately, and file a damage claim.

### 2. POSITION AND LEVEL VENDER (SEE FIGURE 1)

**IMPORTANT:** Place the vender (in desired location) at least 3 to 4 inches away from any rear obstruction, this is for air flow through the refrigeration compartment. Air circulation, front to rear, is essential for proper operation of the refrigeration system.

Adjust the leveling screws to level the vender. When the vender is level the outer door can be opened to any position and the door will not move by itself. Once the vender is level adjust the "safety support" screw (located in the lower outer door hinge) until it touches the floor. This prevents forward tilt of the vender when the refrigeration unit or the vending stack are removed.



SAFETY SUPPORT FIG.1

### 3. CONNECT TO POWER SUPPLY

This vender requires a 115 volt AC 60 hertz power supply. Check power supply before connecting vender. Any power supply under 103 volts or over 126 volts may cause vender to malfunction.

**CAUTION: DO NOT USE AN EXTENSION CORD!**

To insure safe operation of an electrical device it must be properly grounded and the power supply polarization must match that of the electrical device. For the following test refer to FIGURE 2. With one probe of the test device (test light or volt meter) connected to the center screw of power fixture and the other inserted into the large (neutral) orifice, you should get no reaction. When the probe is inserted in the small (power) orifice, you should get a reaction. (NOTE: If you get no reaction with either test the outlet is not properly grounded. If the reaction occurs between the center screw and large orifice the power source is not properly polarized). If either of the above requirements are not met properly, you should contact a licensed electrician to obtain the correct power supply and grounding.

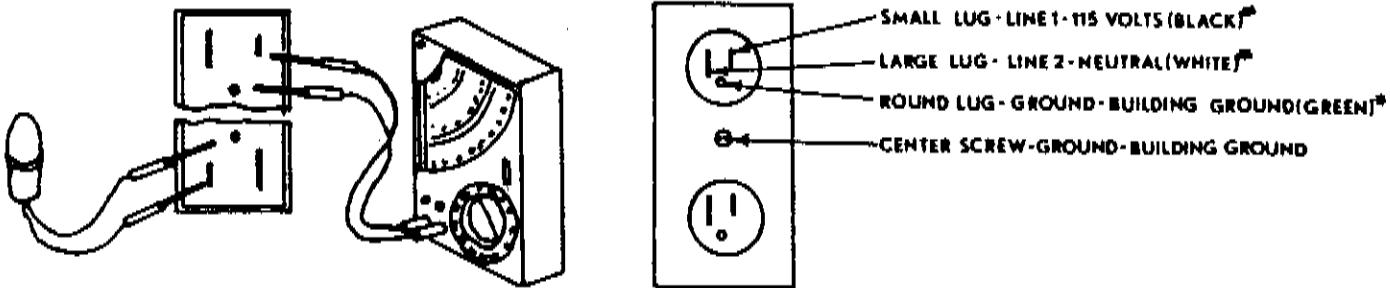


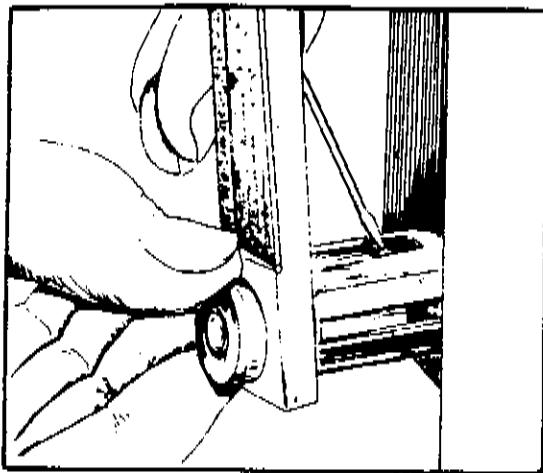
FIG. 2

## 4. INSTALL COIN MECHANISM

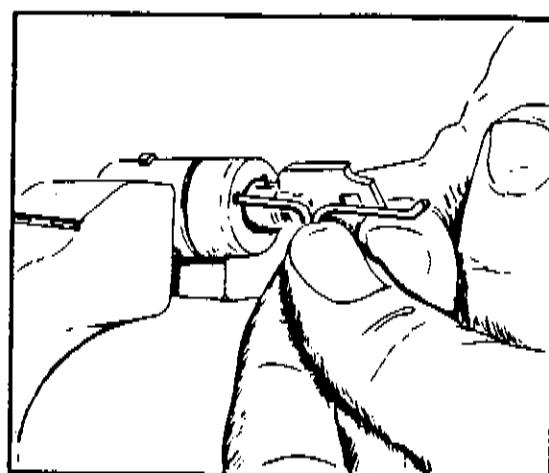
The coin mechanism mounts on the hinged coinage panel assembly. Remove the acceptor (where applicable) from the coin mech. Then slip the key holes in the back of the mechanism over the three mounting screws of coinage panel and tighten. Replace the acceptor (where applicable).

## 5. CODE LOCK (FLEX - ACE)

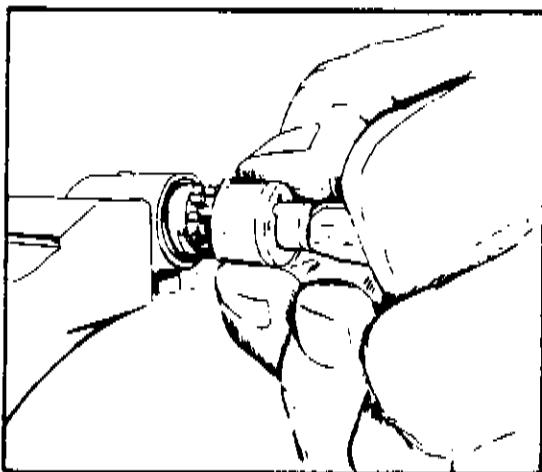
Locks may be recoded either remaining in the handle or outside the handle. Recoding is shown with lock removed from handle and is probably the easiest and safest way and will insure that the lock is recoded properly before it is replaced back into handle. NOTE: Fasten lock in vice or other means of securing lock.



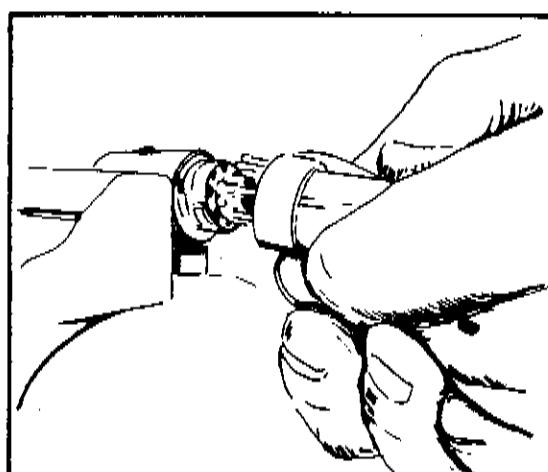
**FIG. 3**  
1. Lock may be removed by depressing the latch and sliding lock forward out of handle.



**FIG. 4**  
Insert release pin into hole in cap. Push pin firmly and rotate key to release at the slot position.

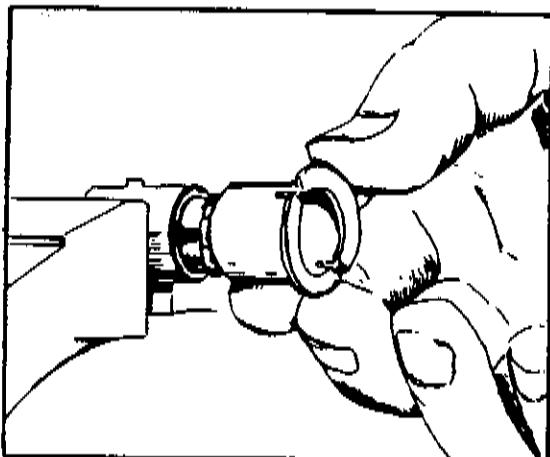


**FIG. 5**  
3. Remove cap with key as one unit.

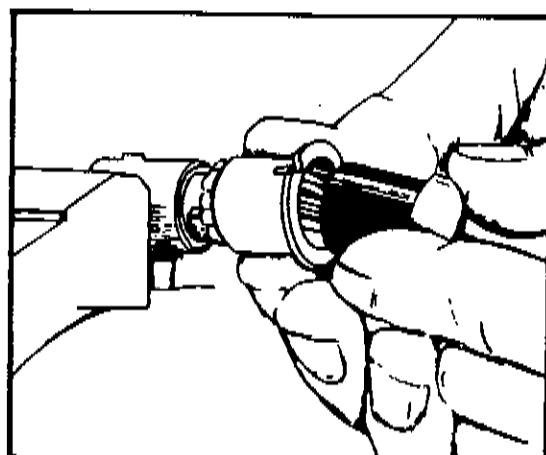


**FIG. 6**  
4. Using magnet end of loader tool, remove all seven (7) tumblers.

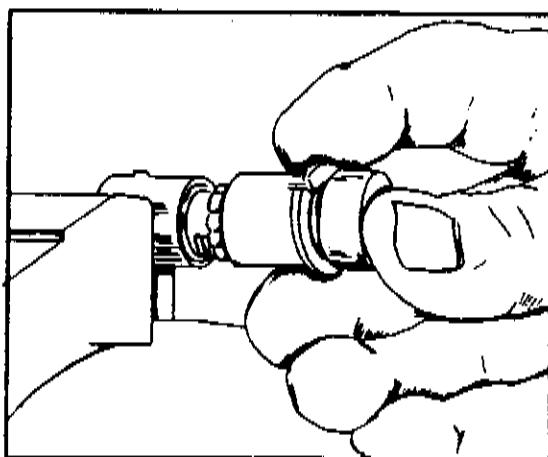
## CODE YOUR LOCK (Continued)



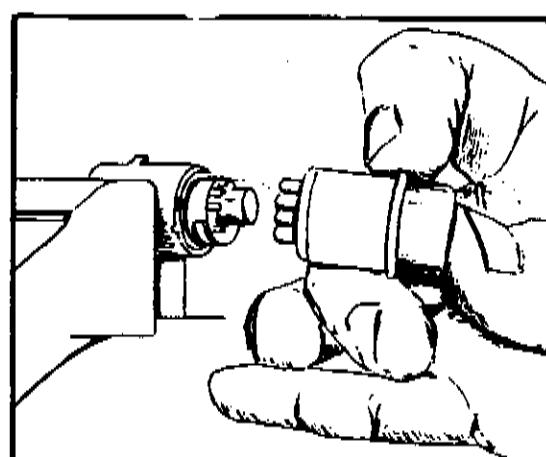
5. Place the preloaded coder into lock. It is slotted to go on the center shaft one way only.



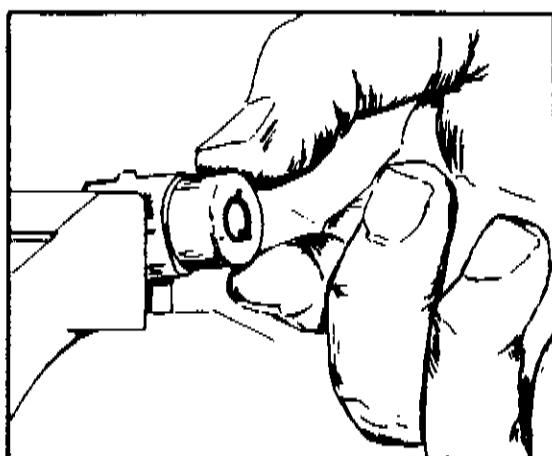
6. Place the loading tool into the coder. (It is slotted to fit one way only.)



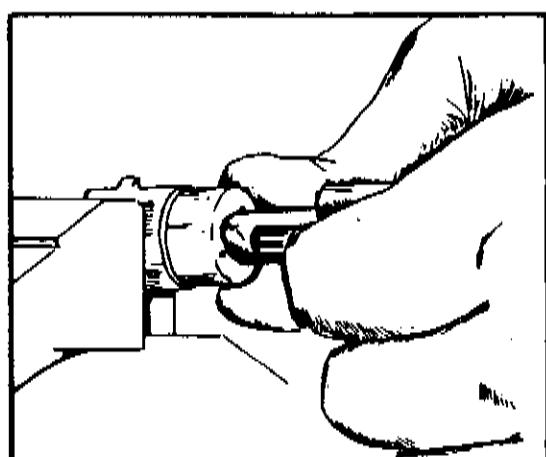
7. Press the new tumblers firmly into place.



8. While holding loading tool into coder, carefully remove both as one. Be certain all seven (7) tumblers are in place.



9. Replace the lock cap as removed.



10. Insert new key. Press cap in firmly and rotate key to locked position.

**6. INSTALL LABELS**

a) COIN INSERT INSTRUCTION: Be sure front surface of coin insert casting is clean and dry. Peel off backing paper and apply label with firm pressure. Apply label with left edge flush with left side of casting. SEE FIGURE 13

b) PRICE LABEL (S):

1) For machines with large (6" x 6") button - insert label behind pricing window the price visible through window. SEE FIGURE 14

2) For other machines - apply label as described on instruction label, only with right edge of label flush with right edge of casting. SEE FIGURE 15

3) FLAVOR LABELS: Open coinage mounting door and insert labels into selection buttons from the left as facing back of opened outer door. SEE FIGURE 13.

NOTE: Be sure that labels in selection buttons properly identify product as related to stack columns. Refer to Figures 16, 17, 18, & 19 for selection button to column relationship. (Match your style and number of selection buttons to appropriate figure.)

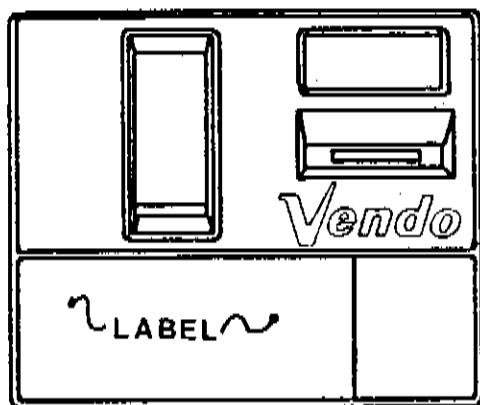


FIG. 13

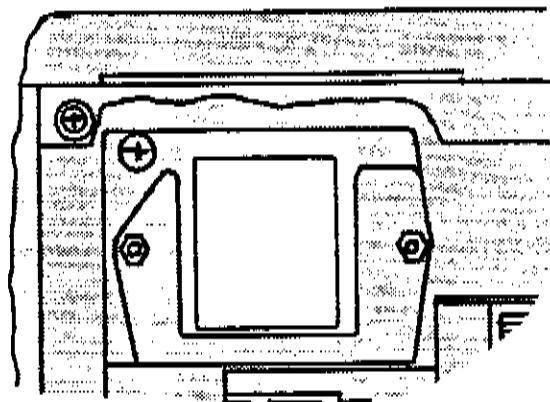


FIG. 14

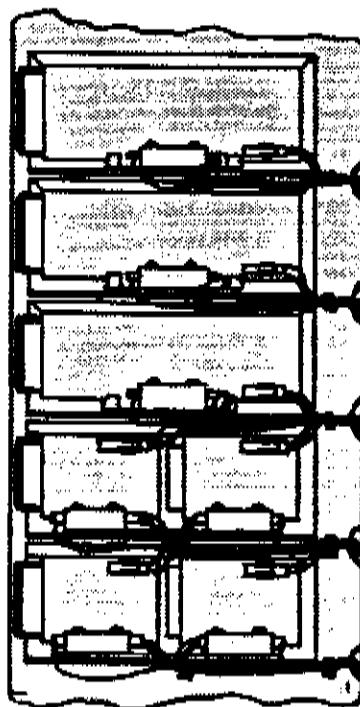


FIG. 15

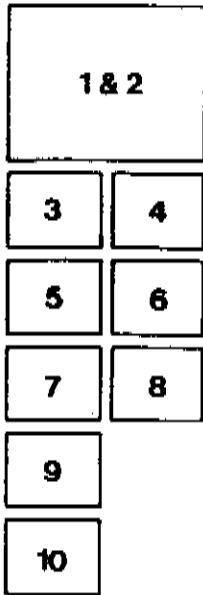


FIG. 16

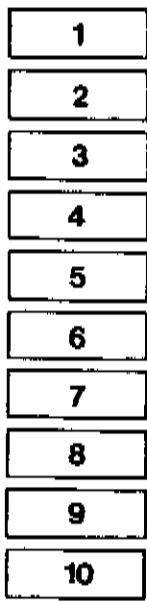


FIG. 18

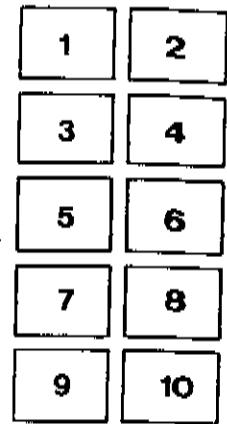
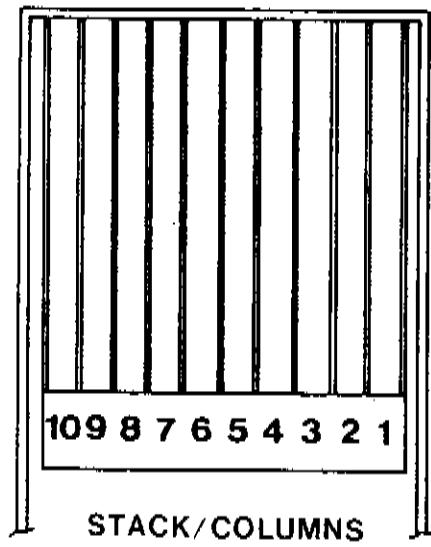


FIG. 17

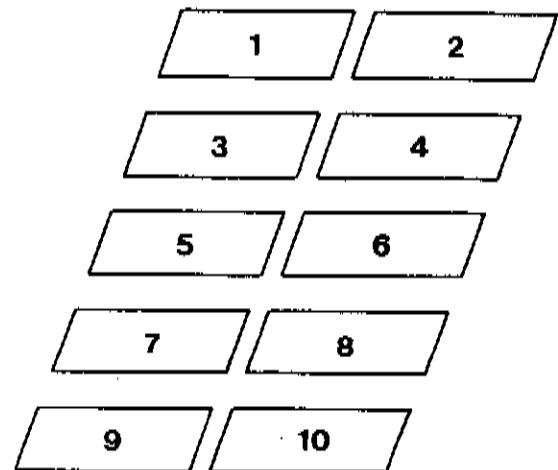


FIG. 19

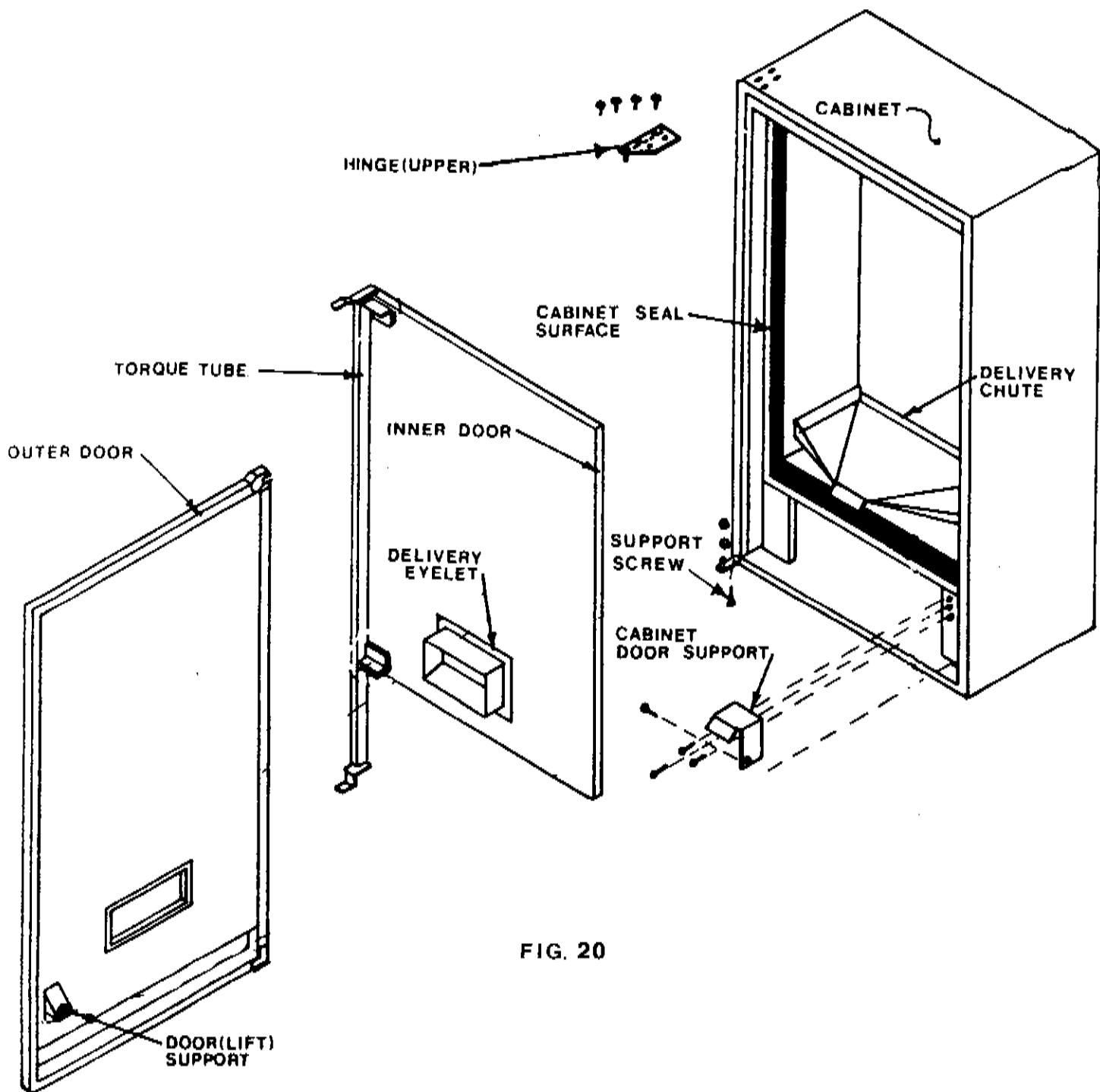


FIG. 20

**7. CHECK INNER DOOR ALIGNMENT SEE FIGURE 20**

The inner door is mounted to the torque tube (with adjustable brackets), the inner door is adjustable right to left to align it with the cabinet seal surface. Proper alignment and sealing of the inner door to cabinet is extremely important for proper refrigeration operation. To check the seal:

- a) Close inner door on a strip of paper.
- b) Engage Latch.
- c) Pull out paper. **NOTE:** When you pull the paper out there should be a discernible resistance to the removal of the paper.
- d) This procedure must be repeated at several positions on all four sides of the inner door.

Adjust the inner door on its mounting brackets and/or adjust the latch to obtain the best possible seal and alignment.

**NOTE:** The inner door does not necessarily have to rest on the cabinet door support.

**8. CHECK DELIVERY AREA ALIGNMENT SEE FIGURE 20**

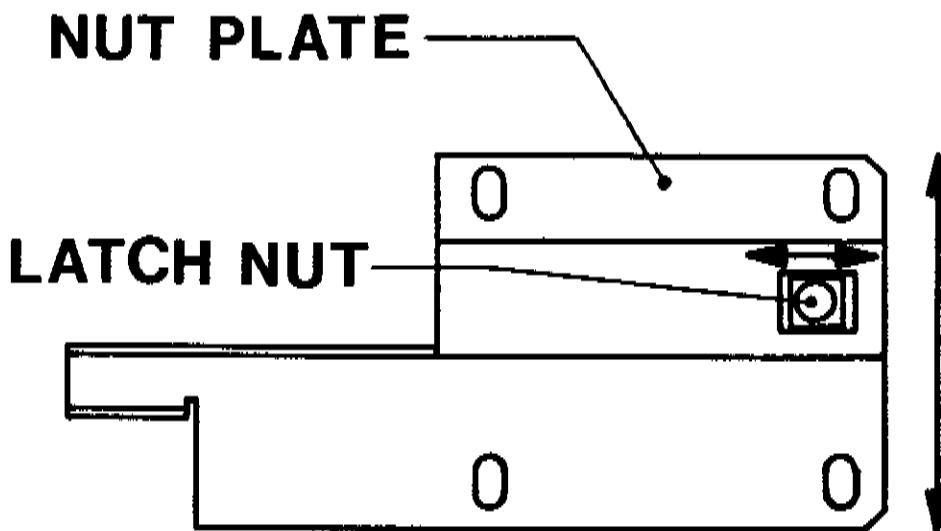
The delivery chute may be raised or lowered to insure proper product delivery through the inner door eyelet. (The screws in the slanted slots must be removed to remove the chute.) Right and left alignment of the inner door eyelet to the outer door eyelet and delivery chute is obtained by adjusting the inner door.

**9. CHECK DOOR SUPPORTS SEE FIGURE 20**

- a) **SAFETY SUPPORT SCREW:** Check to see that this screw (Located in lower door hinge) is adjusted so that it is touching the floor.
- b) Cabinet door support and door lift support: These supports may be raised or lowered to insure that the outer door closes squarely to the cabinet and can also help insure proper alignment of door latch.

**10. CHECK DOOR LATCH ALIGNMENT SEE FIGURES 20 & 21**

) After any door (inner or outer) adjustments check door latch for proper engagement. The door latch is adjustable by moving door latch bracket (on inner door) up or down and by positioning latch nut (in latch bracket) left and right in slot. Further left and right adjustment may be obtained by adjusting entire inner door. Further up and down adjustment may be obtained by raising or lowering door supports.

**FIG. 21**

## 11. CHECK REFRIGERATION AREA

- a) CONDENSATE PAN: Check to make certain that the condensate pan is in its proper position. Check the drain tubing leading to the pan seeing that it is secured with a clip and free of kinks. SEE FIGURE 22  
NOTE: Loop must be maintained in tubing for air "trap" purposes.

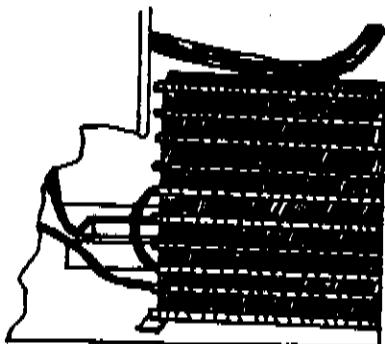


FIG. 22

- b) THERMOSTAT FEELER BULB POSITION: In new production, as well as when replacing a refrigeration unit, it is possible to "distort" the position of the thermostat feeler tube. The feeler tube should be positioned as shown in FIGURE 23. It must not touch the rear cabinet wall or evaporator shield except at the retainer clip. The clip should be near the center of the evaporator.

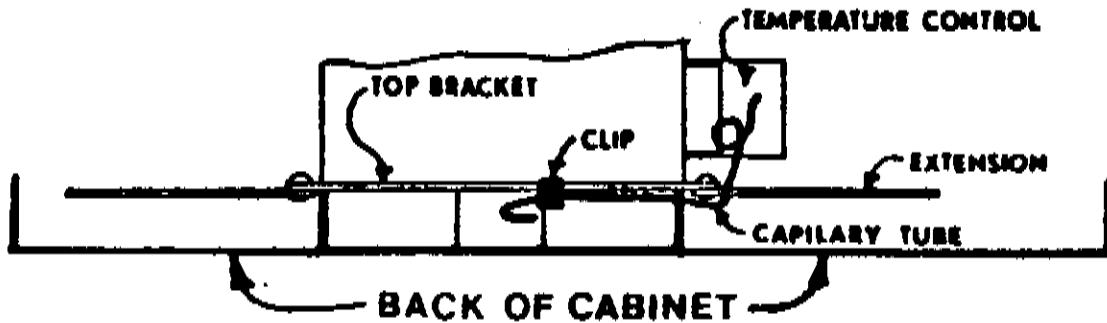


FIG. 23

# Vendo®

- c) TEMPERATURE CONTROL SETTING: SEE FIGURE 24. The temperature inside the cabinet is regulated by the temperature control located on the left side of the evaporator. Before adjusting the control, make sure that all components of the refrigeration system are working properly and that the inner door seal is tight. The factory setting will normally be with the "knob" at the center range. The Air Temperature at the feeler bulb should cut system in at 39 degrees fahrenheit. To increase the temperature turn the control counter clockwise. To decrease the temperature turn the control clockwise.  
NOTE: For every 1/12 turn of control knob the temperature will change approximately two (2) degrees.
- d) Check to make sure that all fans run freely and are free of excessive noise and obstructions.
- e) Check compressor vanes to make sure that they are free of any obstructions. (Air flow over vanes is important to proper operation of refrigeration unit.)

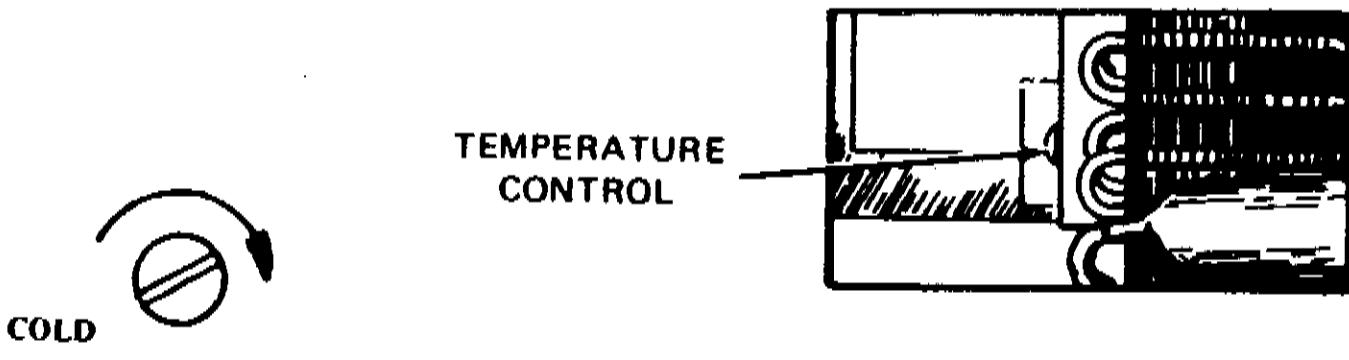


FIG. 24

# Vendo®

## PRODUCT SET UP GUIDE

The following information is provided as a check to verify various nominal product settings for various products before loading vender. The vender is factory set to vend various products as ordered by the customer. Refer to illustration below and on opposite page. Also refer to FIGURES 28 thru 34.

### 1. 10 oz CAN (Kit #133210)

Cam set for triple depth vending. Spacer bar in the B1-B position. Product rod in the #3 position. Use the #2 form spacer for column width control. Use 2 anti-tilt springs (on form spacer). No bottle supports or crown supports are required.

### 2. 12 oz CAN (Kit #133211)

Cam set for triple depth vending. Spacer bar in the D3-T position. Use the #1 form spacer for column width control. Use 2 anti-tilt springs (on form spacer). No bottle supports, crown supports, or product rod are required.

### 3. 10 oz POLYLABLED BOTTLE (Kit #133212)

Cam set for double depth vending. Spacer bar in the C3-B position. Use #1 form spacer for column width control. Use 2 bottle supports in the 'A' positions. No anti-tilt springs, crown supports, or product rod are required.

### 4. (KIT #133213)

#### A. 16 oz POLYLABLED BOTTLE

Cam set for double depth vending. Use 2 bottle supports in the 'B' positions. No anti-tilt springs, crown supports, product rods, spacer bars, or form spacers are required.

#### B. 1/2 LITER "PET" BOTTLE (Kit #133213)

Cam set for double depth vending. Spacer bar in the D4-B position. No form spacer is required. Use 2 bottle supports in the 'B' positions. No anti-tilt or crown supports are required.

### 5. 10 oz RETURNABLE BOTTLE (Kit #133214)

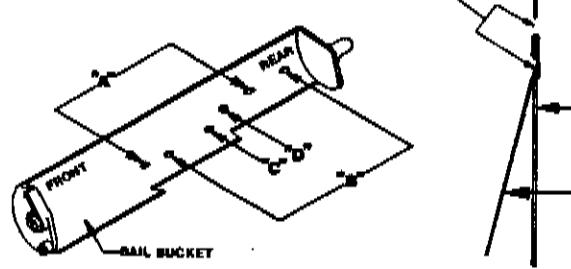
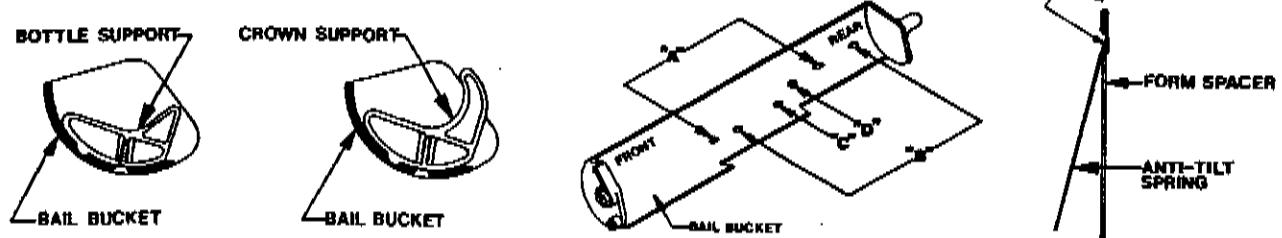
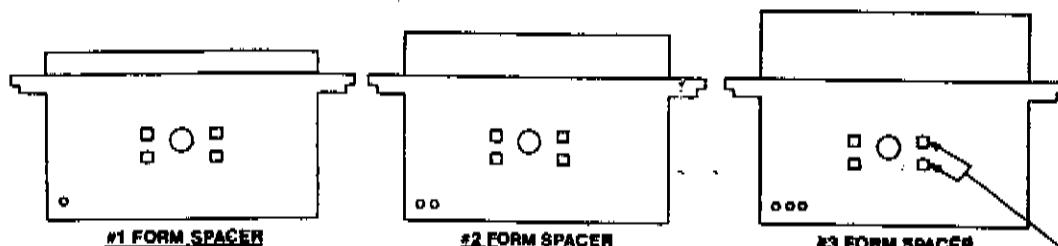
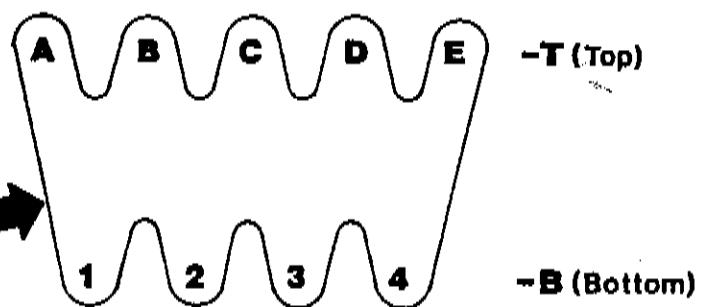
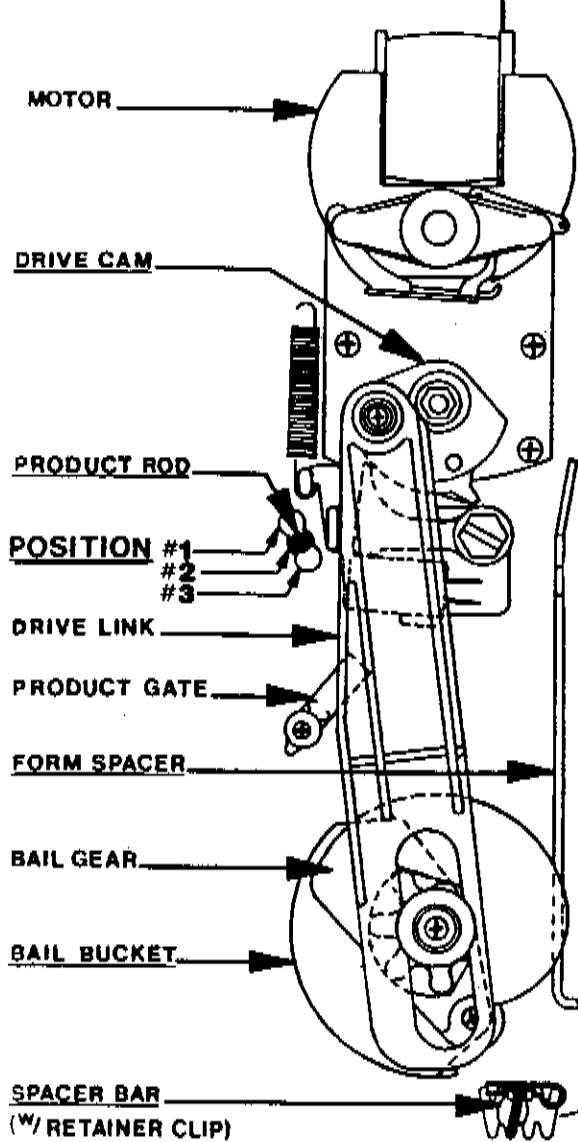
Cam set for single depth vending. Spacer bar in the B1-B position. Product rod in the #3 position. Use #2 form spacer for column width control. Use 1 crown support in the 'C' position. No anti-tilt springs or bottle supports are required.

### 6. 16 oz RETURNABLE BOTTLE (Kit #133215)

*also get crown + feelers*

Cam set for single depth vending. Spacer bar in the C3-B position. Use #1 form spacer for column width control. Use 1 crown support in the 'D' position. No anti-tilt springs, bottle supports, or product rod are required.

**Vendo®**



## LOADING INSTRUCTIONS

These loading instructions assume that the vender is already set up to vend product desired. Machines will be factory set to vend various products as ordered by the customer.

1. Move backspacer to maximum rear position.
2. Load product(s) on product gate.
  - a) Place (first) product on gate as far forward as possible.  
NOTE: Bottle products are loaded with crown towards rear of column.
  - b) FOR DOUBLE DEPTH: Load first product as described above then load second product on gate directly behind first product. SEE FIGURE 25
  - c) FOR TRIPLE DEPTH: Load first and second products as describe above then load third product on gate directly behind second product. SEE FIGURE 26
3. Check backspacer for approximately 1/2" spacing between last product and back-spacer. Adjust if necessary.
4. Load at least 4 tiers of products on top of product(s) in the same manner as described in step 2. SEE FIGURE 27
5. Test vend column until at least:
  - a) 2 products vend for single depth
  - b) 4 products vend for double depth
  - c) 6 products vend for triple depth
6. Complete loading of column in same manner as described in steps 2 and 4 above.

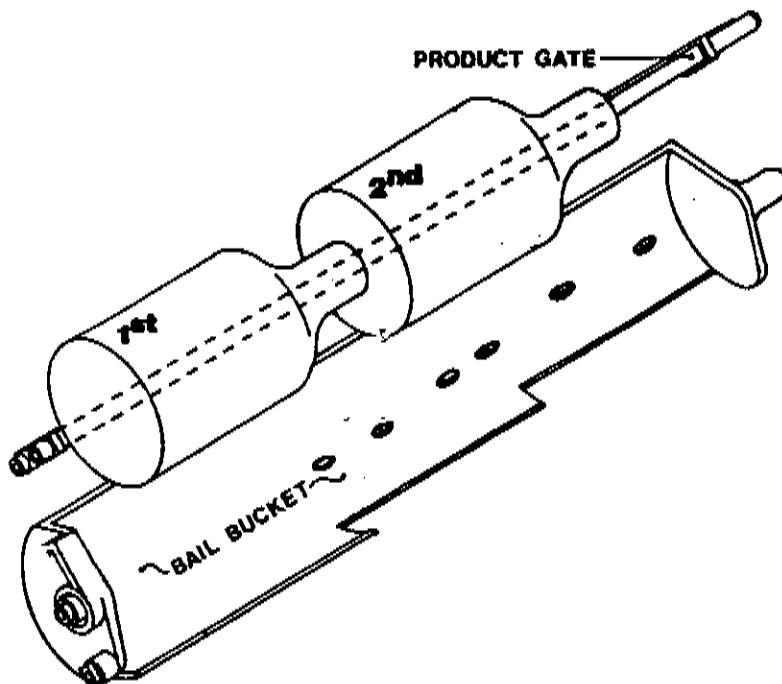


FIG. 25

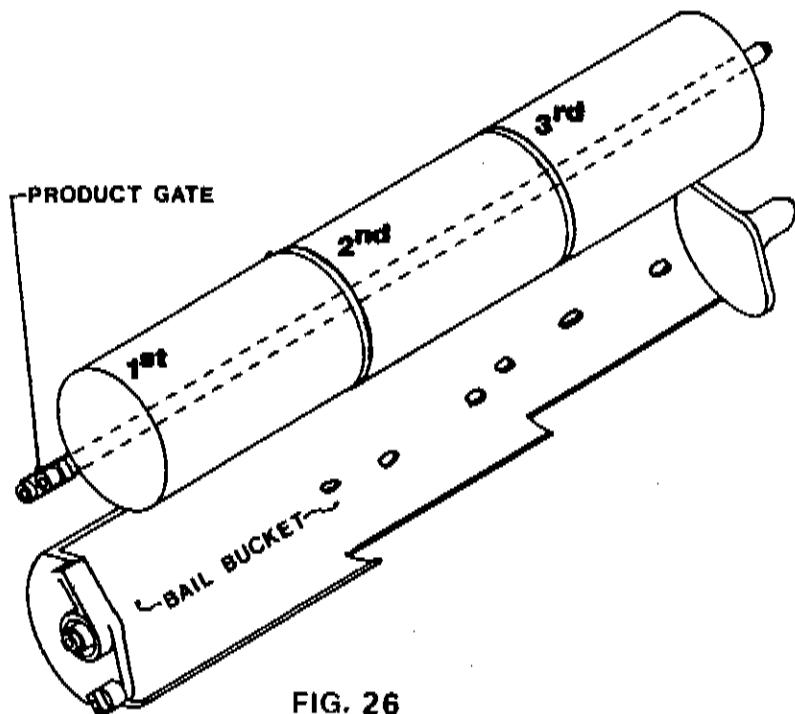


FIG. 26

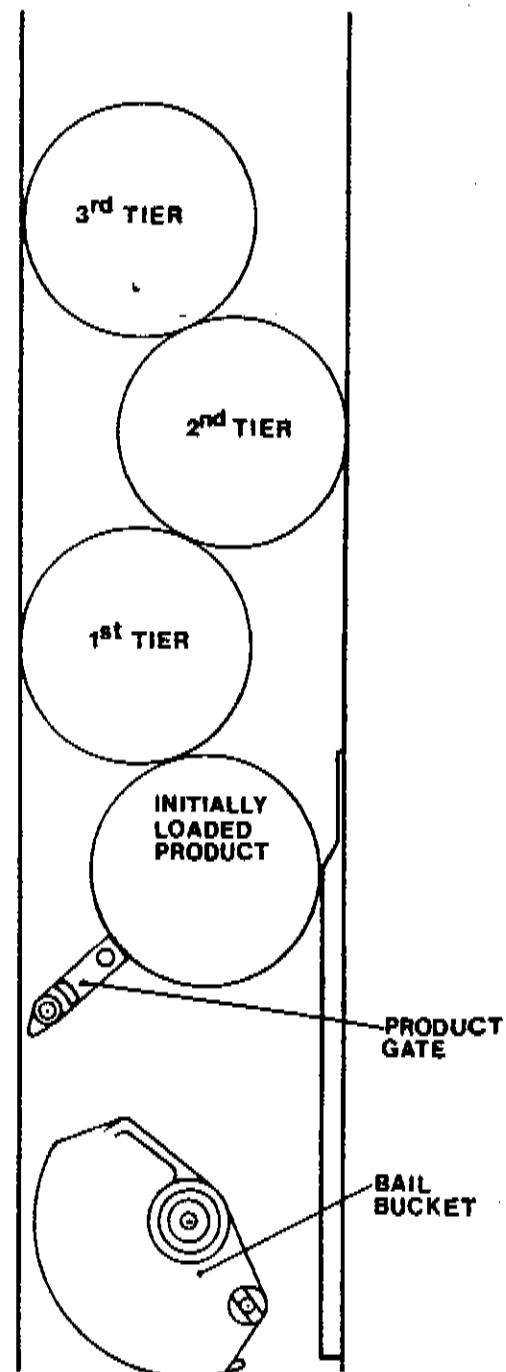


FIG. 27

## CONVERSION INSTRUCTIONS

These Conversion Instructions will give basic conversion principles on how to convert from one product size to another. These instructions will be based on converting one column and will assume that the parts needed are on hand. EACH PRODUCT SIZE CONVERTED TO will require a kit, which is available upon request. Please refer to Kit List for various kits. Each Kit will contain enough parts to vend a specific product in only one column. (Requires 10 kits to convert entire machine.)

These instructions are written in three basic categories. (I) Vender / column preparation; (II) Typical conversion procedures; and (III) Specific product size conversion procedures.

**I. PREPARATION STEPS**

When converting vender from one product size to another the following "preparations" are necessary:

- A. Remove the vend mech cover.
- B. Remove all product from the column(s) to be converted.
- C. Stop motor so that the cam lobes are visible and not blocked by the drive link. Also the bail bucket should be positioned in the column so as to allow access to the inside curve of bucket. These conditions can be accomplished by:
  1. Starting motor by operating the motor carrier switch lever.
  2. Stopping motor in desired position by removing one of the motor wires.
- D. CAUTION: REMOVE POWER FROM THE VENDER AND THEN PROCEED AS REQUIRED.

**II. TYPICAL PROCEDURES**

During the conversion process it will be necessary to re-position or install various parts. Although the parts may be different sizes used in different positions, etc., their installation and/or re-positioning procedures will be similar.

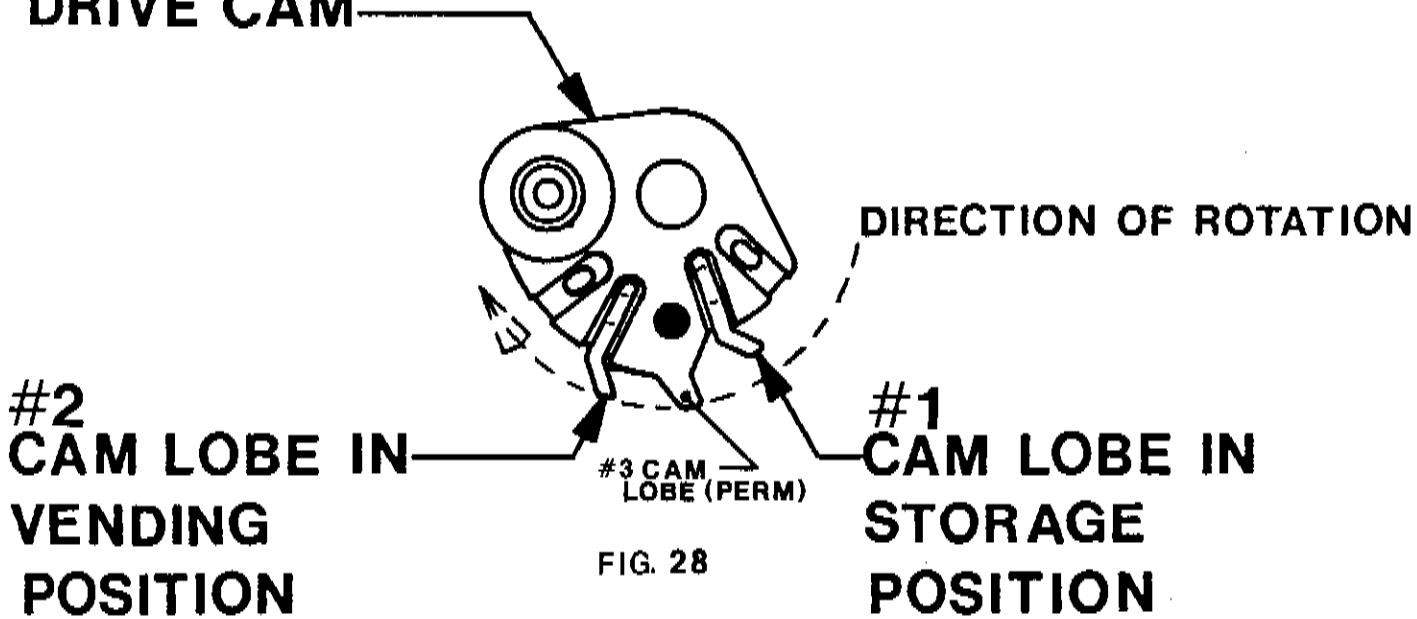
The following is a description of the various procedures by part name. To determine what parts are used and where refer to section III of conversion instructions and Product Set Up Guide.

**A. To Re - Position a Cam Lobe SEE FIGURE 28**

1. Loosen cam cover and rotate away from cam lobes.
2. Remove cam lobe from vending slot in cam.
3. Re - install cam lobe into storage slot in cam.

NOTE: There are two removable cam lobes per cam and one permanent lobe.

4. Re - position cam cover and tighten.

**DRIVE CAM**

B. To Re - Position Spacer Bar SEE FIGURE 29

1. Remove retainer spring clip
2. Slide bar back until front end is free of the front stack plate.
3. Drop front end of bar and remove bar from rear stack plate.
4. Align flat rear end of bar with appropriate slot in rear stack plate, then slide all the way in.
5. Raise front end of bar and slide forward into "same" appropriate slot in the front stack plate.
6. Re - install retainer spring clip.

NOTE: Bar will be positioned so that hole for retainer clip is in the top (-T) or bottom (-B) position. FIGURE 29 shows spacer bar with retainer clip in the top (-T) position.

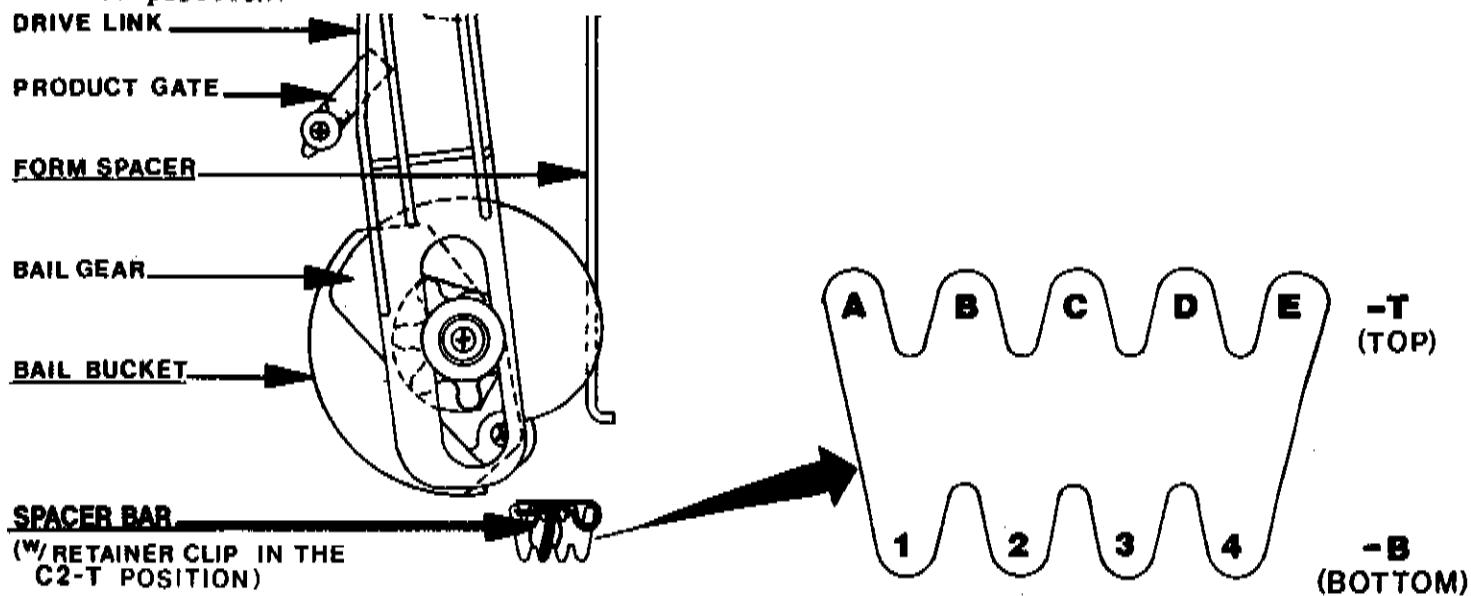


FIG. 29

C. To Install Product Rod SEE FIGURE 30

Install rod into appropriate hole in front stack plate, slide all the way through rear stack plate in "same" appropriate hole until rod is flush against back liner wall.

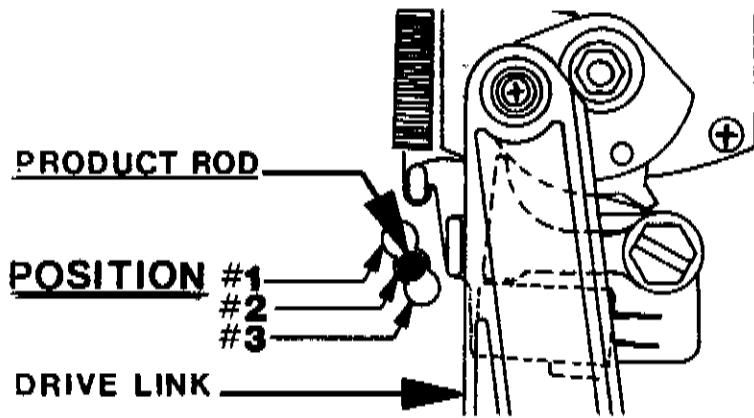
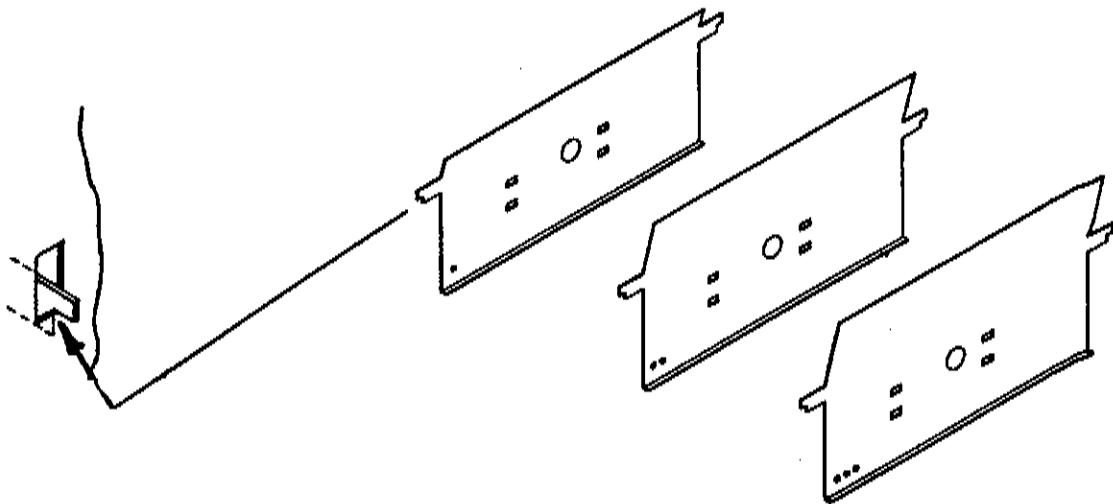


FIG. 30

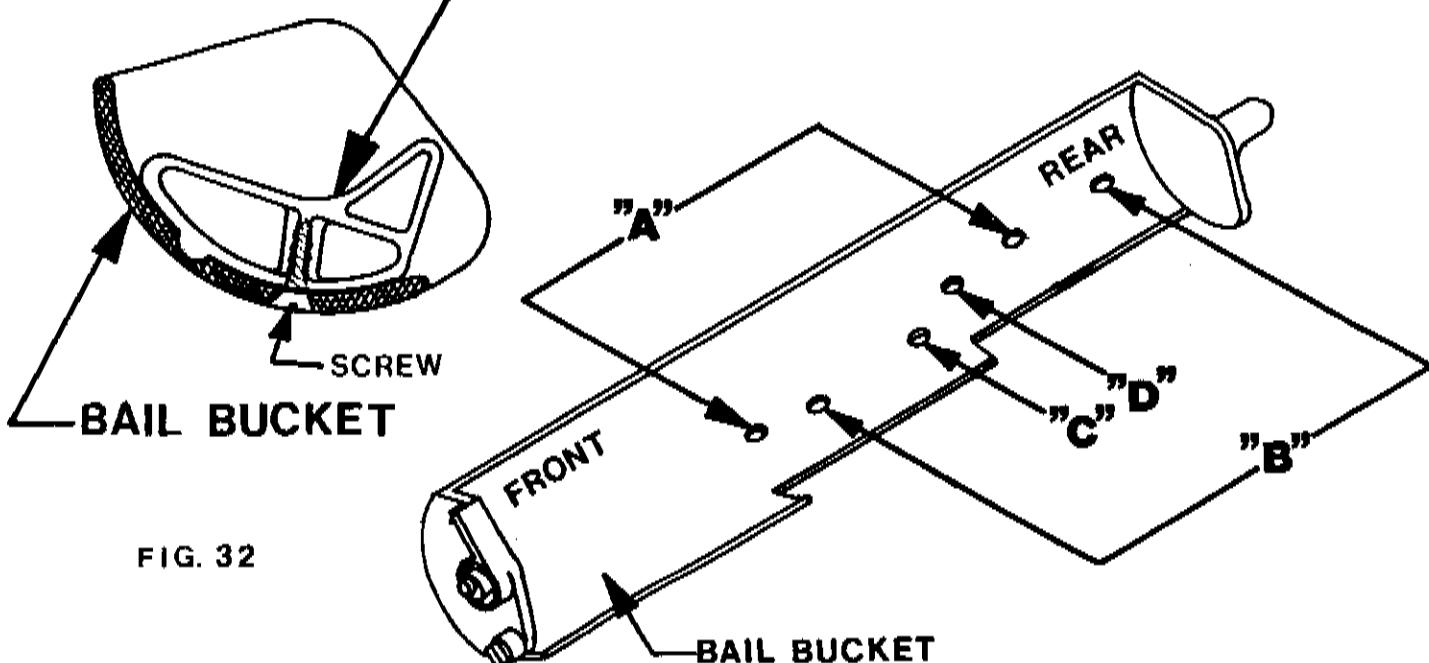
**D. To Install Form Spacer SEE FIGURE 31**

Install new form spacer by inserting rear tab into slot in rear stack plate on the right side of column. Then level spacer and slide front tab into slot in front stack plate. Position form spacer so that notches in tabs rest in stack plate slots and formed flat surface is towards center of column.

**FIG. 31****E. To Install Bottle Support SEE FIGURE 32**

1. Position hole of support over appropriate hole (positions "A" or "B") in bucket, then install tapping screw into support from bottom of bucket. Bottle support mounts to the inside curve of bail bucket with support tab towards right edge of bucket.

2. Tighten screw to secure support.

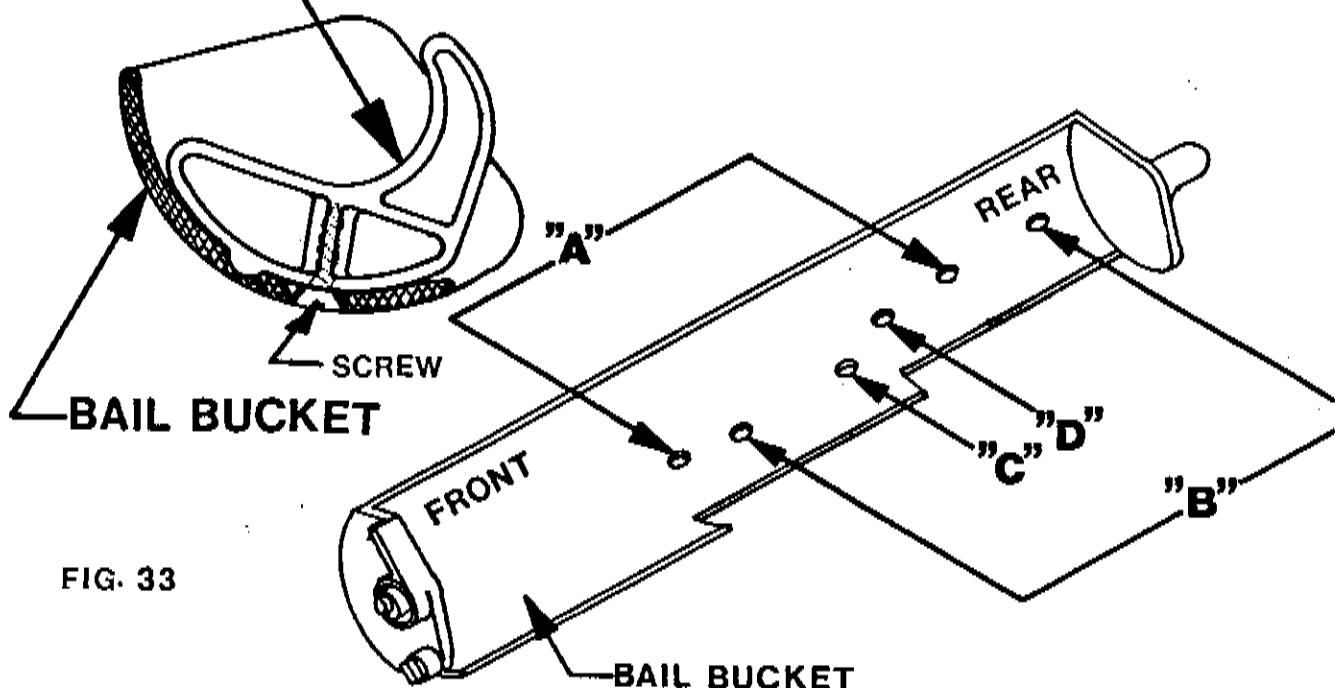
**BOTTLE SUPPORT****FIG. 32**

F. To Install Crown Support SEE FIGURE 33

1. Position hole of support over appropriate hole (positions "C" or "D") in bucket, then install tapping screw into support from bottom of bucket. Crown support mounts to the inside curve of bail bucket with curved support tab towards right edge of bucket.

2. Tighten screw to secure support.

**CROWN SUPPORT**

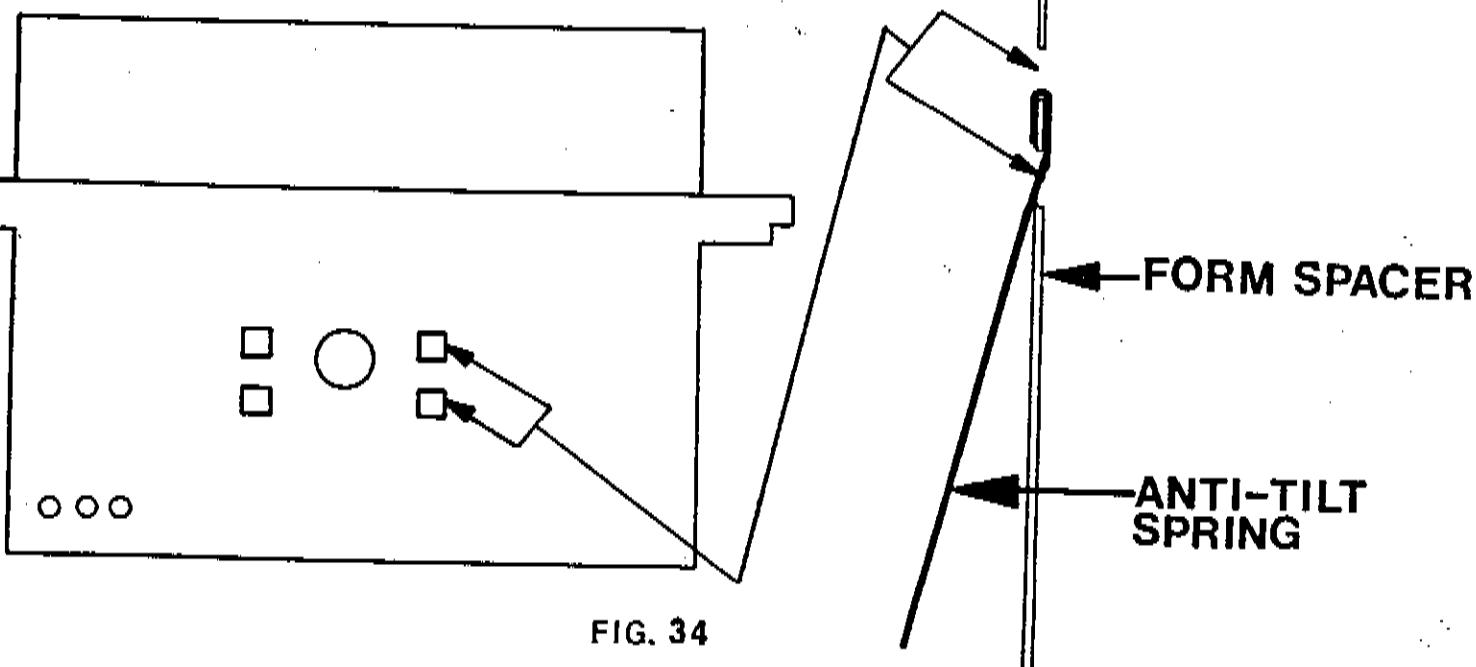


G. To Install Anti - Tilt Spring SEE FIGURE 34

1. Remove form spacer from column.

2. Insert long end of spring into bottom hole from back form spacer. Insert hook end of spring into top hole, then slide down.

3. Re-install form spacer into column.



**III. SPECIFIC PRODUCT CONVERSION**

NOTE: Refer to Typical Instructions (pages 68 thru 71) for Detailed Information on How to Perform the Various Functions in the Following Instructions.

NOTE: THE FOLLOWING KITS CONVERT ONE COLUMN TO THE VARIOUS PRODUCTS LISTED: 10 OZ CAN - 133210; 12 OZ CAN - 133211; 10 OZ POLYLABLED BOTTLE - 133212; 16 OZ POLYLABLED BOTTLE - 133213; 10 OZ RETURNABLE BOTTLE - 133214; 16 OZ RETURNABLE BOTTLE - 133215.

EACH KIT WILL INCLUDE ALL PARTS NECESSARY TO VEND THAT PRODUCT FROM ONE COLUMN, ALONG WITH INSTRUCTIONS ON HOW TO ADJUST EXISTING PARTS AND INSTALL NEW PARTS.

**A. FROM 10 oz CAN**

1. To 12 oz CAN 133211 / 33211
  - a. Remove existing form spacer (#2).
  - b. Install #1 form spacer.
  - c. Remove product rod
  - d. Re - position spacer bar to D3-T position.
2. To 10 oz POLYLABEL BOTTLE 133212 / 33312
  - a. Remove existing form spacer (#2).
  - b. Remove Anti - Tilt springs.
  - c. Install #1 form spacer.
  - d. Set cam to vend double depth by moving #1 cam lobe to storage position.  
*PUT*
  - e. Remove product rod *INTO #2 POSITION*
  - f. Re - position spacer bar to C3-B position.
  - g. Install Bottle support in the "A" positions.
3. To 16 oz POLYLABEL BOTTLE
  - a. Remove existing form spacer. 133213
  - b. Remove Anti - Tilt springs.
  - c. Set cam to vend double depth by moving #1 cam lobe to storage position.
  - d. Remove product rod
  - e. Remove spacer bar.
  - f. Install Bottle support in the "B" positions.
4. To 10 oz RETURNABLE BOTTLE 133214 / 33212
  - a. Remove Anti - Tilt springs.
  - b. Set cam to vend single depth by moving #1 & #2 cam lobes to storage positions.
  - c. Install Crown support in the "C" position.
5. To 16 oz RETURNABLE BOTTLE
  - a. Remove existing form spacer (#2). 133215 / 33314
  - b. Remove Anti - Tilt springs.
  - c. Install #1 form spacer.
  - d. Set cam to vend single depth by moving #1 & #2 cam lobes to storage positions.
  - e. Remove product rod
  - f. Re - position spacer bar to C3-B position.
  - g. Install Crown support in the "D" position.

# Vendo®

## B. FROM 12 oz CAN

1. To 10 oz CAN      133210 - 133310
  - a. Remove existing form spacer (#1).
  - b. Install #2 form spacer.
  - c. Install product rod in #3 position.
  - d. Re - position spacer bar to B1-B position.
2. To 10 oz POLYLABEL BOTTLE      133212 - 133312
  - a. Remove Anti - Tilt springs.
  - b. Set cam to vend double depth by moving #1 cam lobe to storage position.
  - c. Install Bottle supports in the "A" positions.
  - d. Re - position spacer bar to C3-B position. *INSTALL PRODUCT 20 D  
INTO #2 POCKET*
3. To 16 oz POLYLABEL
  - a. Remove existing form spacer. 133212
  - b. Remove Anti - Tilt springs.
  - c. Set cam to vend double depth by moving #1 cam lobe to storage position.
  - d. Remove spacer bar.
  - e. Install Bottle supports in the "B" positions.
4. To 10 oz RETURNABLE BOTTLE      133214 - 133314
  - a. Remove existing form spacer (#1).
  - b. Remove Anti - Tilt springs.
  - c. Install #2 form spacer.
  - d. Set cam to vend single depth by moving #1 & #2 cam lobes to storage positions.
  - e. Install product rod in #3 position.
  - f. Re - position spacer bar to B1-B position.
  - g. Install Crown support in the "C" position.
5. To 16 oz RETURNABLE BOTTLE      133215 - 133314
  - a. Remove Anti - Tilt springs.
  - b. Set cam to vend single depth by moving #1 & #2 cam lobes to storage position.
  - c. Install Crown support in the "D" position.
  - d. Re - position spacer bar to the C3-B position.

# Vendo®

## C. FROM 10 oz POLYLABEL BOTTLE

1. To 10 oz CAN 133210 133310
  - a. Remove existing form spacer (#1).
  - b. Remove Bottle supports.
  - c. Install 2 Anti - Tilt springs in #2 form spacer.
  - d. Install #2 form spacer.
  - e. Set cam to vend triple depth by moving #1 cam lobe to vending position.
  - f. Install product rod in #3 position.
  - g. Re - position spacer bar to Bi-B position.
2. To 12 oz CAN 133211 133311
  - a. Remove Bottle supports.
  - b. Install 2 Anti - Tilt springs in existing form spacer.
  - c. Set cam to vend triple depth by moving #1 cam lobe to vending position.
  - d. Re - position spacer bar to D3-T position. *(NSTP14 Product Rod in F/V)*
3. To 16 oz POLYLABEL
  - a. Remove existing form spacer. 133213
  - b. Re - position Bottle supports to the "B" positions.
  - c. Remove spacer bar.
4. To 10 oz RETURNABLE BOTTLE 133214 133313
  - a. Remove existing form spacer (#1).
  - b. Remove Bottle supports.
  - c. Install Crown support in the "C" position.
  - d. Install #2 form spacer.
  - e. Install product rod in #3 position.
  - f. Re - position spacer bar to Bi-B position.
  - g. Set cam to vend single depth by moving #2 cam lobe to storage position.
5. To 16 oz RETURNABLE BOTTLE 133215 133314
  - a. Remove Bottle supports.
  - b. Install Crown support in the "D" position.
  - c. Set cam to vend single depth by moving #2 cam lobe to storage position.

# Vendo®

## D. FROM 16 oz POLYLABEL

### 1. To 10 oz CAN

- a. Remove Bottle supports. 133210 - 133310
- b. Install 2 Anti - Tilt springs in the #2 form spacer.
- c. Install #2 form spacer.
- d. Set cam to vend triple depth by moving #1 cam lobe to vending position.
- e. Install product rod in #3 position.
- f. Install spacer bar in B1-B position.

### 2. To 12 oz CAN 133211 - 133311

- a. Remove Bottle supports.
- b. Install 2 Anti - Tilt springs in the #1 form spacer.
- c. Install #1 form spacer.
- d. Set cam to vend triple depth by moving #1 cam lobe to vending position.
- e. Install spacer bar in D3-T position. *INSTALL PRODUCT ROD INTO T-SLOT*

### 3. To 10 oz POLYLABEL BOTTLE 133212 - 133312

- a. Re - position Bottle supports to the "A" positions.
- b. Install #1 form spacer.
- c. Install spacer bar in C3-B position. *INSTALL PRODUCT ROD, AWARE #2 POSITION*

### 4. To 10 oz RETURNABLE BOTTLE

- a. Remove Bottle support. 133214 - 133312
- b. Install Crown support in the "C" position.
- c. Install #2 form spacer.
- d. Set cam to vend single depth by moving #2 cam to storage position.
- e. Install product rod in #3 position.
- f. Install spacer bar in B1-B position.

### 5. To 16 oz RETURNABLE BOTTLE 133215 - 133314

- a. Remove Bottle supports.
- b. Install Crown support in the "D" position.
- c. Install #1 form spacer.
- d. Set cam to vend single depth by moving #2 cam to storage position.
- e. Install spacer bar in C3-B position.

# Vendo®

## E. FROM 10 oz RETURNABLE BOTTLE

### 1. To 10 oz CAN

- a. Remove Crown support. 133210 133210
- b. Install 2 Anti - Tilt springs in the existing form spacer.
- c. Set cam to vend triple depth by moving #1 & #2 cam lobes to vend-ing positions.

### 2. To 12 oz CAN 133211 133211

- a. Remove existing form spacer (#2).
- b. Remove Crown support.
- c. Install 2 Anti - Tilt springs in #1 form spacer.
- d. Install #1 form spacer.
- e. Set cam to vend triple depth by moving #1 and #2 cam lobes to vending position.
- f. Remove product rod <sup>(NOT ALL)</sup> ~~IN POSITION~~
- g. Re - position spacer bar to D3-T position.

### 3. To 10 oz POLYLABEL BOTTLE 133212 133212

- a. Remove existing form spacer (#2).
- b. Remove Crown support.
- c. Install Bottle supports in the "A" positions.
- d. Install #1 form spacer.
- e. Set cam to vend double depth by moving #2 cam lobe to vending position.
- f. <sup>INSTALLED</sup> Remove product rod ~~IN TO #2 POSITION~~
- g. Re - position spacer bar to C3-B position.

### 4. To 16 oz POLYLABEL

- a. Remove existing form spacer. 133213
- b. Remove Crown support.
- c. Install Bottle supports in the "B" positions.
- d. Set cam to vend double depth by moving #2 cam lobe to vending position.
- e. Remove product rod
- f. Remove spacer bar.

### 5. To 16 oz RETURNABLE BOTTLE

- a. Remove existing form spacer (#2).
- b. Install #1 form spacer.
- c. Remove product rod
- d. Re - position spacer bar to C3-B position.
- e. Re - position Crown support to the "D" position.

# Vendo®

## F. FROM 16 oz RETURNABLE BOTTLE

### 1. To 10 oz CAN

- a. Remove existing form spacer (#1) 133210 133310
- b. Remove Crown support.
- c. Install 2 Anti - Tilt springs in the #2 form spacer.
- d. Set cam to vend triple depth by moving #1 & #2 cam lobes to vending positions.
- e. Install #2 form spacer.
- f. Install product rod in #3 position.
- g. Re - position spacer bar to B1-B position.

### 2. To 12 oz CAN 133211 133211

- a. Remove Crown support.
- b. Install 2 Anti - Tilt springs in the existing form spacer.
- c. Set cam to vend triple depth by moving #1 & #2 cam lobes to vending positions.
- d. Re - position spacer bar to D3-T position. *INSTALL PRODUCT ROD  
IN TO D2 POSITION*

### 3. To 10 oz POLYLABEL BOTTLE

- a. Remove Crown support. 133212 133312
- b. Install Bottle supports in the "A" positions.
- c. Set cam to vend double depth by moving #2 cam lobe to vending position. *INSTALL - #2 POSITION*

### 4. To 16 oz POLYLABEL

- a. Remove existing form spacer. 133213
- b. Remove Crown support.
- c. Install Bottle supports in the "B" positions.
- d. Set cam to vend double depth by moving #2 cam lobe to vending position.
- e. Remove spacer rod.

### 5. To 10 oz RETURNABLE BOTTLE

- a. Remove existing form spacer (#1).
- b. Install #2 form spacer.
- c. Install product rod in #3 position.
- d. Re - position spacer bar to B1-B position.
- e. Re - position Crown support to "C" position.



# Vendo®

## OPERATING PRINCIPLES

The following section deals with how the vender works. The information is provided to show how the vender should work when all parts function properly. This section is divided into four parts, (I) General Over View of Vend Cycles; (II) Detailed Mechanical Vend Cycle, (III) Detailed Electrical Vend Cycle, and (IV) Refrigeration Cycle and Operation.

### I. GENERAL VEND CYCLE

The following is a general description of what happens when a customer operates the vender to receive a product.

#### A. THE COINAGE

When the coinage has received and accepted the correct amount of money it sends a momentary electrical pulse to the vender credit relay to energize it. When the coinage circuits return to standby they provide a selection circuit (through the vender credit relay) energized to all selection button switches.

When the vender credit relay is energized or the vender is sold out on all selections, the vender "tells" the coinage "Do Not Take Money". The coin paths in the coinage remain blocked either mechanically or electrically depending on the type of coinage used.

#### B. THE RELAY

The vender credit relay in its standby (De-energized) condition provides a circuit to the coinage acceptor area to allow the coinage to accept coins. When it receives the momentary electrical pulse from the coinage, it will stay energized if the line one (power) start/bypass switch circuit is complete. This is called the credit relay hold circuit.

#### C. THE SELECTION BUTTON SWITCH

Each selection button switch is connected to its motor through its sold out switch "A". If the vender credit relay is energized all selection switches are connected to line one starting with selection #1 and continuing through #2 to last selection. When any selection button is operated this line one (power) will be directed to the motor selected through its sold out switch "A".

#### D. THE START/BYPASS SWITCH

This switch is in its common normally closed position at standby. The start/bypass switch provides a "credit hold" path from the energized credit relay. When a motor starts the switch is operated (momentarily by cam lobe) to its common normally open position to de-energize the credit relay. When the start/bypass switch returns to its common normally closed position it acts as a bypass (safety) switch. Its purpose is to insert a bypass circuit into the vender credit relay hold circuit. If a vend motor does not return to standby, (the motor fails or product jams), this bypass circuit will allow all other selections to function normally until repairs can be made.

#### E. THE MOTOR CARRIER SWITCH

When the motor carrier switch is actuated (from normally open to normally closed-leaves cam lobe) it provides a line one path to keep motor running. When it is actuated the second time, (From normally closed to normally open-by cam lobe) the motor stops running (vender returns to standby).

**II. DETAILED MECHANICAL OPERATIONS****A. MECHANICAL VEND CYCLE**

The following Vend cycles for "single", "double", and "triple" depth describe what occurs mechanically when the motor is started (electrically). For the electrical vend cycle details please refer to the Electrical Operations section (pages 84 thru 95), for parts identification refer to FIGURE 39 on page 81 and parts descriptions pages 82 thru 83.

Each column consists of an individual motor assembly and motor carrier & start/bypass switches which are controlled by the coin mechanism, credit relay, and the selection switch circuit (electrical vend cycle parts). Mechanically, the column vend mechanism consists of a drive cam (with 1 permanent and 2 movable lobes), geared drive link, bail gear, bail bucket, product gate and gate link. There are also product rod, spacer bar, bottle rod and bottle supports that help control the vending of various products.

**1. SINGLE DEPTH:** When vending any product single depth the drive cam will have one lobe in the vending position with the other two in storage position. The column will vend one product for every 360 degree rotation of the drive cam. With the column properly loaded and primed there will be one product in the bail bucket. The product will be supported between the bail bucket and spacer bar. The product gate will be in its down position supporting the remaining product in the column. When the motor runs the cam rotates, turning the bail gear (via the geared drive link). The bail gear, attached to the bail bucket, rotates the bucket depositing product to delivery chute. The motor continues to run turning the bail gear, as this happens the bail gear raises the product gate (via the gate link). Product is momentarily deposited on top edge of bail bucket. As product is deposited into bucket the product gate is lowered to support the remaining product in the column. The motor continues to run locking product gate in place (via gate link and bail gear) while preparing product in bail bucket for next vend (has primed column). The motor stops. The cam has now rotated 360 degrees. This process will occur for each product vended.

**2. DOUBLE DEPTH:** When vending any product double depth the drive cam will have two lobes in the vending position with the other one in the storage position. The column will vend two products for every 360 degree rotation of the drive cam. With the column properly loaded and primed there will be two products in the bail bucket. These two products will be supported between the bail bucket and the form spacer. The product gate will be in its down position supporting the remaining product in the column. When the motor runs the cam rotates turning the bail gear (via the geared drive link). The bail gear, attached to the bail bucket, rotates the bucket just enough to deposit rear product to delivery chute and slightly lowering front product. Front product is now supported between bail bucket and spacer bar. The motor stops. On the next vend the motor will run depositing front product to delivery chute and continue to run. As the bail gear continues to turn the product gate is raised (via gate link). Product in the column is momentarily deposited on the top edge of bail bucket. As two products are deposited into the bucket, the product gate is lowered to support remaining product in the column. The motor continues to run locking the product gate in place (via the gate link and bail gear) while preparing product in bucket for next vend (has primed the column). The motor stops. The drive cam has now rotated 360 degrees. This process of vending two products will occur for every 360 degree rotation of the drive cam.

**3. TRIPLE DEPTH:** When vending any product triple depth the drive cam will have all three cam lobes in the vending position. The column will vend three products for every 360 degree rotation of the drive cam. With the column properly loaded and primed there will be three products in the bail bucket. These three products will be supported between the bail bucket and the form spacer. The product gate will be in its down position supporting the remaining product in the column. When the motor runs, the cam rotates the bucket just enough to deposit the rear product tot delivery chute. and slightly lower the remaining products. Front two products are now supported between the bail bucket and spacer bar. The motor stops. On the next vend the motor will run just enough to deposit next (center) product to delivery chute. The motor stops. The next vend the motor will run depositing next (front) product to delivery chute and continue to run. As the bail gear continues to turn the product gate is raised (via the gate link). Product in the column is momentarily deposited on the top edge of bail bucket. As three products are deposited into the bucket, the product gate is lowered to support the remaining product in the column. The motor continues to run locking the product gate in place (via the gate link and bail gear) while preparing product in bucket for next vend (has primed the column). The motor stops. The drive cam has now rotated 360 degrees. This process of vending three products will occur for every 360 degree rotation of the drive cam.

**Vendo®**

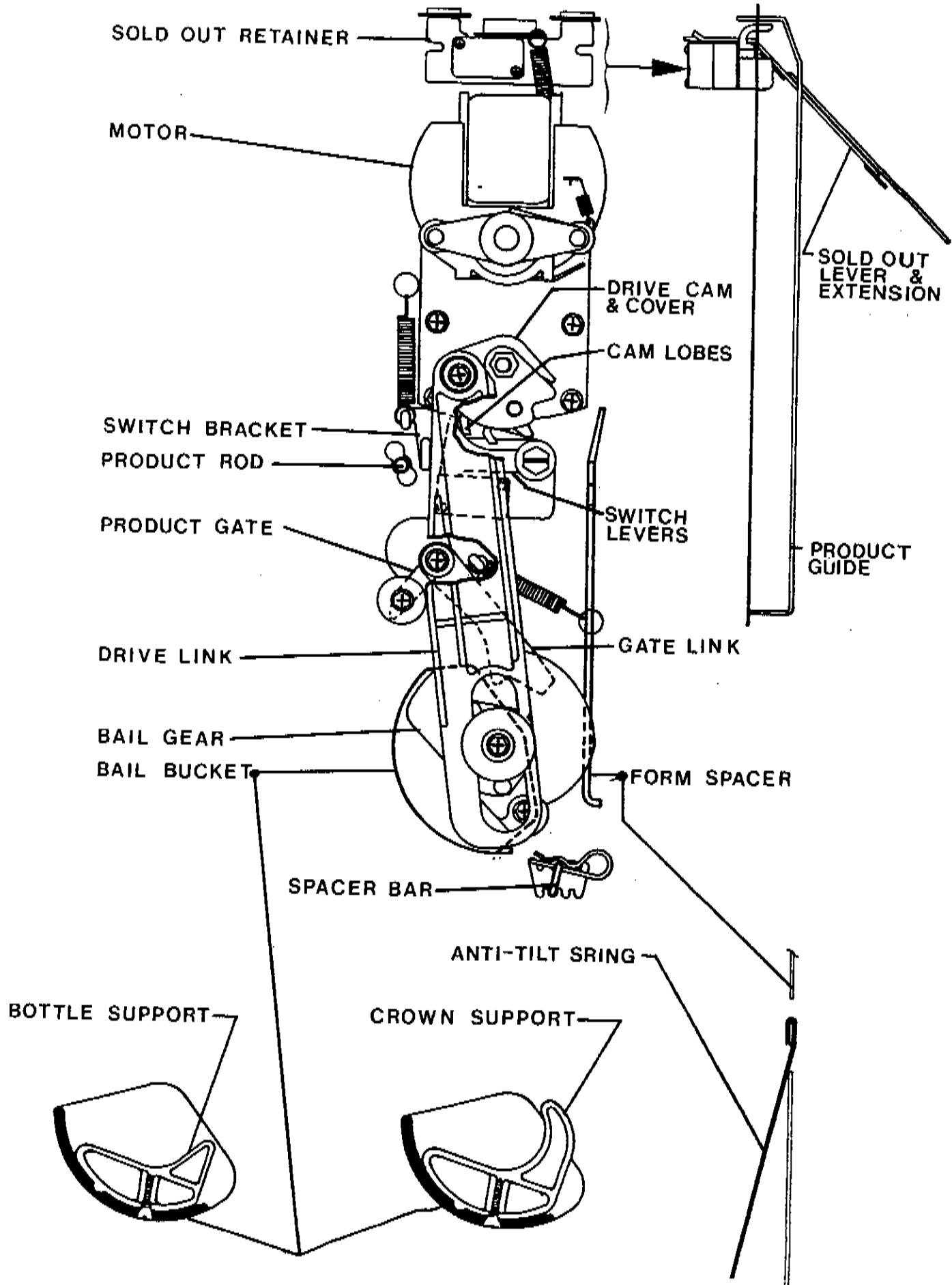


FIG. 39  
81

**B. PARTS DESCRIPTIONS FIGURE 39****1. MOTOR (P/N 387796)**

The motor is shaded pole, 115 volt, 60 hertz, thermo overload protected with a mechanical brake system. It is mounted to the front stack plate centered on the column. The motor rotates the bail bucket via the drive cam, drive link and bail gear. Its run time is controlled by the drive cam lobes and motor carrier switch actuation.

**2. DRIVE CAM (P/N 387795)**

The drive cam is die cast aluminum. It has one permanent (part of casting) lobe and positions for 2 other movable lobes (two positions for each: vending mode and storage). It is mounted to the motor shaft and held in place with a pin and a hex nut. The drive cam drives the drive link and via the lobes actuates the motor carrier and start/bypass switches (via the switch actuator levers).

**3. CAM LOBES (Movable)(P/N 387788)**

The cam lobes are made of molded high impact black polystyrene. They are mounted to the drive cam in one of two positions: vending mode or storage. They are held in place by a cam cover. The cam lobes are the means by which the drive cam actuates the motor switches (via levers).

**4. DRIVE LINK (P/N 387793)**

The drive link is die cast aluminum. It is geared on the back to match the teeth of the bail gear. It is mounted to the drive cam (by a screw) and to the bail cam (by teeth meshing and a screw). The link provides the driving force from the motor (via drive cam) to the bail cam.

**5. BAIL GEAR (P/N 387794)**

The bail gear is die cast aluminum. It is geared on the front to match the teeth of the drive link. It is "geared" on the back to provide drive force to lift and lock product gate (via gate link). It is mounted directly to the bail bucket with two screws. The bail gear provides the rotational force to the bail bucket and an up and down force to the product gate (via gate link).

**6. BAIL BUCKET (P/N 387797-1)**

The bail bucket is die cast aluminum. It is mounted inside the stack and to the bail gear. The bucket is "secured" in place by the bail gear. It receives (and holds) product from column for delivery to customer (when rotated).

**7. GATE LINK (P/N 387784)**

The gate link is molded high impact polystyrene. It is mounted to the product gate by a screw. The link drives the product gate up and down as the bail gear is turned.

**8. PRODUCT GATE (P/N 387800-1)**

The product gate is die cast aluminum. It is mounted to the inside of stack above bail bucket. It pivots on two pins (front and rear) supported by nylon bushings. The gate provides support for product in the column. It is raised to allow product into bucket area and lowered to support product (This is done by the gate link).

**9. SPACER BAR (P/N 387818-1)**

The spacer bar is formed tubing which is mounted directly at the bottom of the right column partition. It is adjustable to different positions to control vend space between it and bail bucket. It is held in place by a spring clip pin.

# Vendo®

## 10. PRODUCT ROD (P/N 387817-1)

The product rod is mounted all the way through stack above the product gate. It is held in place by the mech cover and rear cabinet wall. It provides left column width control as product enter vend area. Rod is mountable in 3 positions.

## 11. FORM SPACER (P/N 387826-1; 387827-1; 387828-1)

The form spacer (one of three) is mounted on the right side of column in two holes in front and rear of stack. It is used to provide right column width control in the vend mechanism area.

## 12. CROWN SUPPORT (P/N 388007)

The Crown supports are molded high impact white polystyrene. They are mounted in the bail bucket in one of two holes, they are held in place by a tapping screw. The Crown supports prevent tipping of long necked bottles in the single depth mode.

## 13. BOTTLE SUPPORTS (P/N 387812)

The bottle supports are molded high impact black polystyrene. They are mounted in the bail bucket in two slots of 4 holes. They are held in place by a screw. The supports are mountable in two positions. the bottle supports prevent tipping of short wide bottles in the double depth mode.

## 14. ANTI - TILT SPRINGS (P/N 387998)

The Anti - Tilt springs are made of thin spring steel. They are mounted in the various form spacers. The anti - tilt springs prevent "Free Vending" of front two products if vender is tipped.

# Vendo®

## III. DETAILED ELECTRICAL OPERATIONS

### A. ELECTRICAL VEND CYCLE

The following cycle is a description of what occurs electrically during one vend cycle; i.e., one product delivered to customer. Single, double or triple depth is not a consideration electrically as the same thing happens for each vend cycle whether 1, 2, or 3 products are vended for every 360 degree rotation of the drive cam. Each time the motor runs the same "electrical cycle" occurs.

This electrical vend cycle assumes that the machine is completely prepared for customer use, machine plugged in, properly set - up, properly loaded and all parts functioning properly. Refer to STEP - BY - STEPS, (pages 86 thru 95), for routing.

With the vend in "stand by" position line one (power) is supplied to the C.R.E.M. coils through each motor start/bypass switch (starting with the last switch) to all sold out "B" switches and contacts #1 and #7 of de - energized credit relay.

When sufficient money is deposited and accepted the coinage completes the vender credit circuit (coinage pins #1 and #3) to energize the credit relay.

With the credit relay energized a "credit hold" circuit is created through the start/bypass switches, at least one sold out "B" switch and the credit relay. When the coinage vend switch returns to stand by (pins 1 and 7), a "selection circuit" (line one power) is now available to ALL selection switches (via coinage vend switch and credit relay).

When a selection is made (selection switch actuated), a circuit is completed through the coinage vend switch, credit relay, selection switch operated, and sold out switch "A" of column completed, the selection column motor starts. (NOTE: The selection must be held until the drive cam via the switch lever actuates the motor start/bypass switch.)

When the drive cam actuates the start/bypass switch the credit relay will de - energize. When the drive cam lobe leaves (via switch lever) the motor carrier switch (actuating it) a circuit is provided to run the selection motor. (NOTE: While the motor is running the sold out light will be on.) When the drive cam lobe leaves (de-energizes) the start/bypass switch a "bypass" circuit is available.

When a drive cam lobe reaches the carrier switch (actuating switch the second time), the motor stops (a product has been delivered to the customer). The vender has now been returned to its "stand - by position" (vender ready to accept money and start another vend cycle).

NOTE: The coin mechanism should refuse all coins if:

(1) The credit relay is energized; (2) Any vend motor is running; (3) All sold out lights are "lit"; or (4) There is no power supplied to the vender.

### B. PARTS DESCRIPTIONS

#### 1. Coin Mechanism (purchased separately)

The Coin Mech (coinage) is mounted to the coinage panel directly behind the selection buttons. It provides coin validation/rejection of vend switch (circuit). It stores and pays out change when required.

#### 2. Credit Relay (P/N 353343)

The Credit Relay is mounted to the inside of the control panel above the selection switches. It provides line one path circuit to start/bypass switches and coinage (in stand - by) and line one power circuit to selection switches when energized (power credit established).

#### 3. Selection Switch (Different part # for Various Equipment -- See Control Panel page of Parts Section)

The Selection Switch is 15 amp, 250 volt switch. It is mounted directly behind the selection buttons and is actuated when the selection button is pushed. With credit established the selection switch provides line one to start selected motor.

#### 4. Motor Carrier Switch (P/N 368299)

The Motor Carrier Switch is a 10 amp, 250 volt switch. Actuation of this switch the first time provides a circuit path to run the motor. When actuated the second time, it stops the motor.

## 5. Start/Bypass Switch (P/N 368299)

The Start/Bypass Switch is a 10 amp, 250 volt switch. Actuation (momentarily) of this switch provides line one path to start motor and to de-energize credit relay. When not actuated provides line one path to C.R.E.M coils and a "bypass circuit" path if motor fails (so that remaining columns will remain functional).

## 6. Sold Out Switches (P/N 368299)

Sold Out Switches are 10 amp, 250 volt switches. They are mounted to the front of the sold Out channel, centered on column directly above the motor assembly. They are mounted with the "B" behind the "A" switch.

"A" Switch: Lights that columns sold out lights and prevents a selection from that column if sold out.

"B" Switch: Provides Line one power path to motor start/bypass switches and credit relay. If all selection are sold out vender will not accept money.

## C. STEP - BY - STEPS

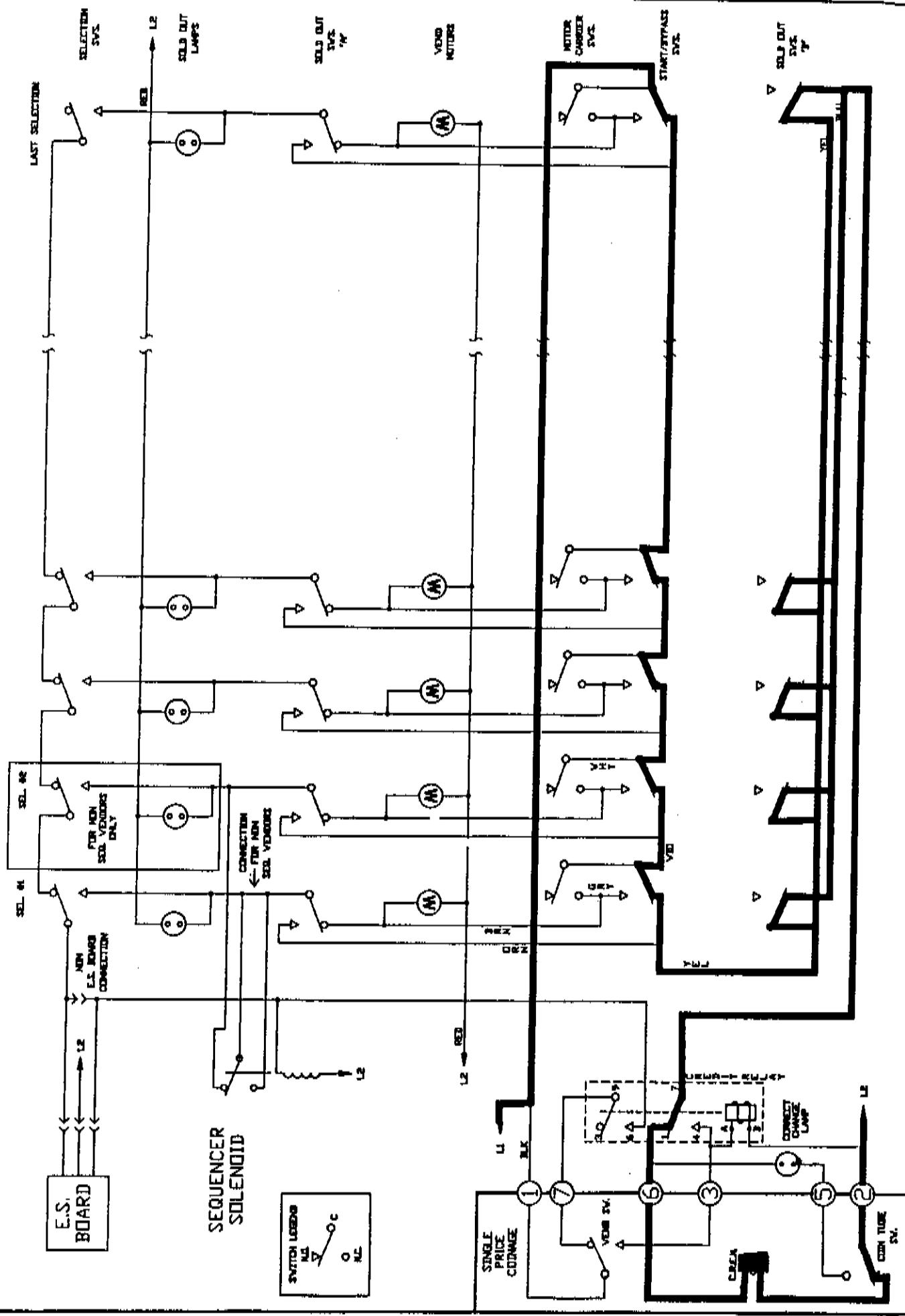
### ABBREVIATIONS

C.R.E.M.....	Coin Return Electro Magnet
N.C.....	Normal Closed
N.O.....	Normal Open
C.....	Common
C.C.....	Correct Change

### SYMBOLS

	.....Switch
	.....Service Cord Line Plug
	.....Neon Lamp
	.....Coil
	.....Electrical Wire Junction
	.....Electrical Plug and Receptacle Identification

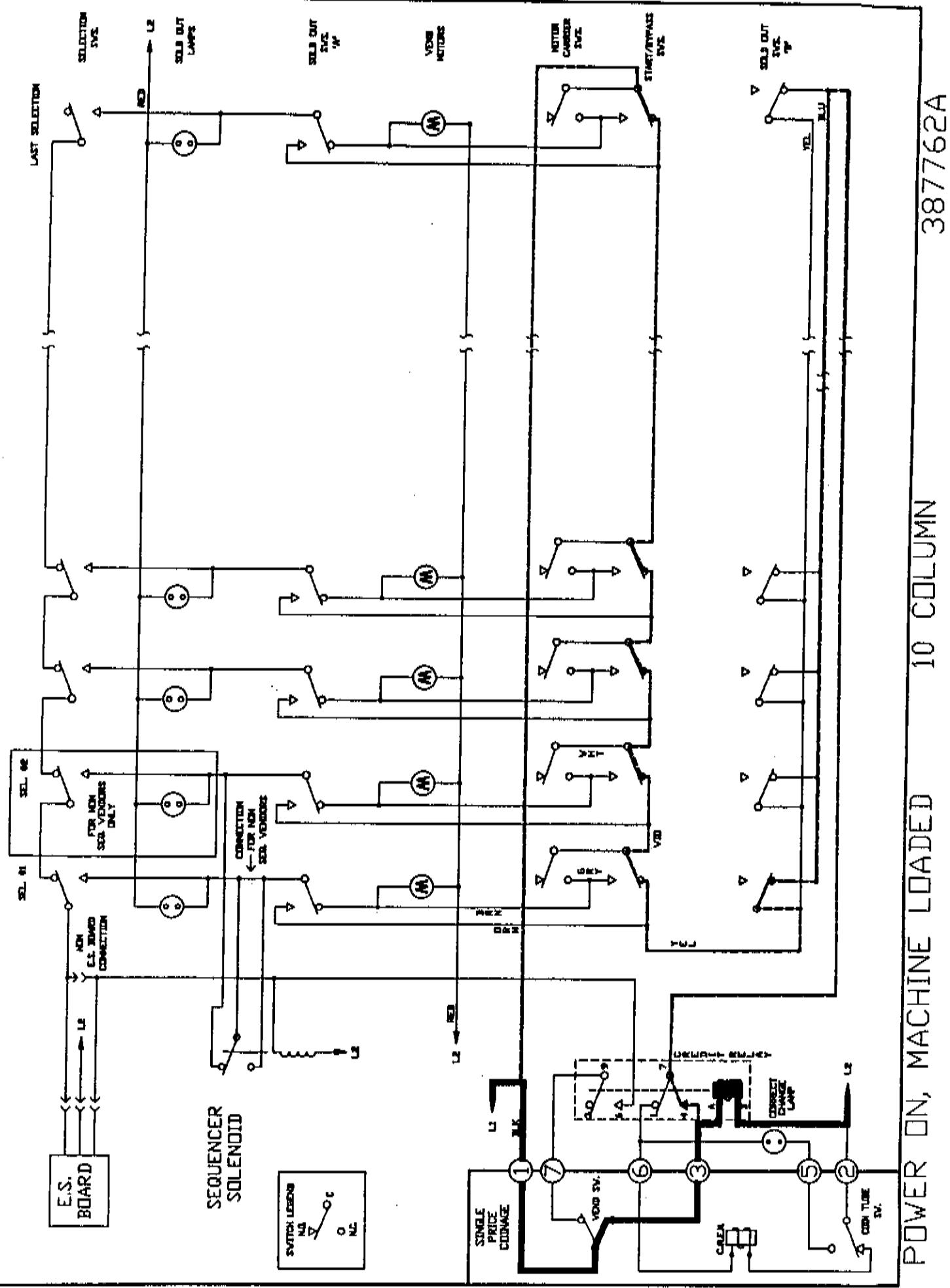
1. STAND BY  
Line one power is supplied to energize the C.R.E.M. coils through:
  - a) Each motor start/bypass switch C. -N.C. contacts starting with the common of the last selection.
  - b) From the N.C. contact of the #1 selection motor, start/bypass switch to the common contact of all sold out switch b.s. (Product is any one of the sold out controlled columns that will allow the machine to accept money.)
  - c) Contacts #1 and #7 in the de - energized credit relay.



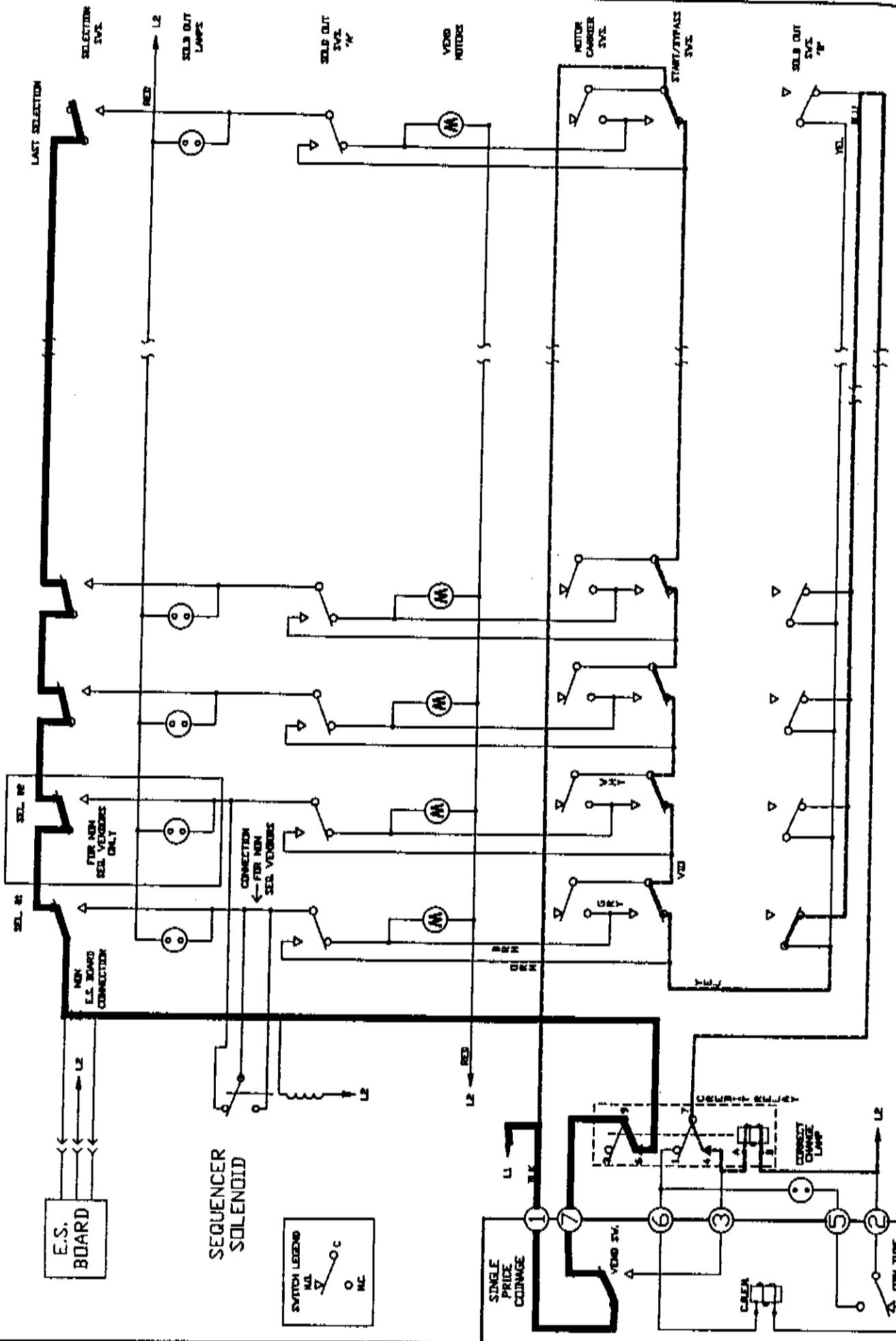
POWER ON, MACHINE LOADED 10 COLUMN

387762A

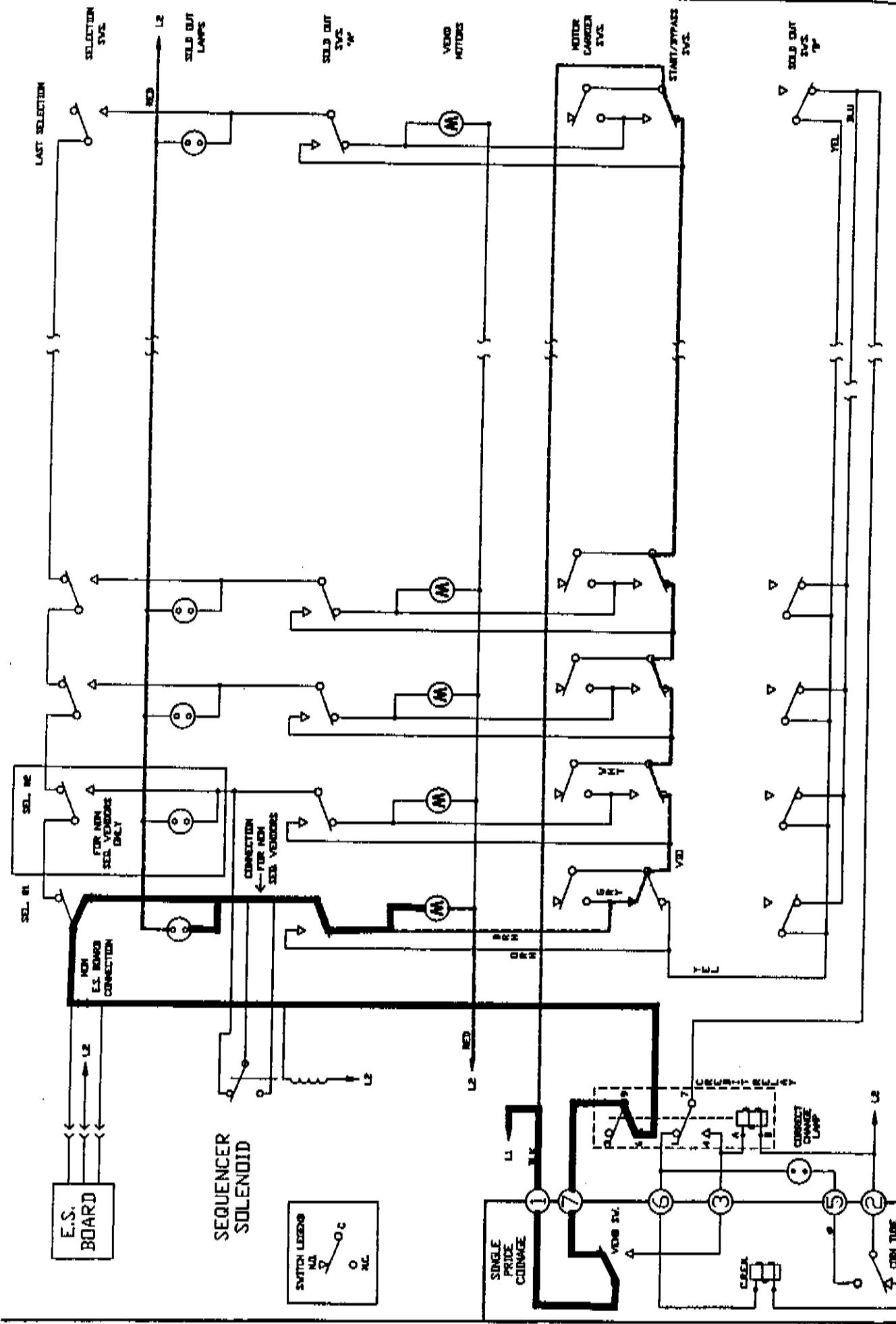
2. CREDIT ESTABLISHED
- a) When the proper amount of money is inserted the coinage vend switch (circuit) is activated (momentary pulse). Power is applied to the vendor credit relay coil (solid line) via "A" and "B" terminals of the credit relay receptacle.
  - b) When the credit relay is energized, a switch (Terminal #4 and #7 in the relay) provides a hold circuit for the Credit relay. NOTE: This is the same circuit that provides a C.R.E.M. circuit when the vendor is at "standby" (dotted line).



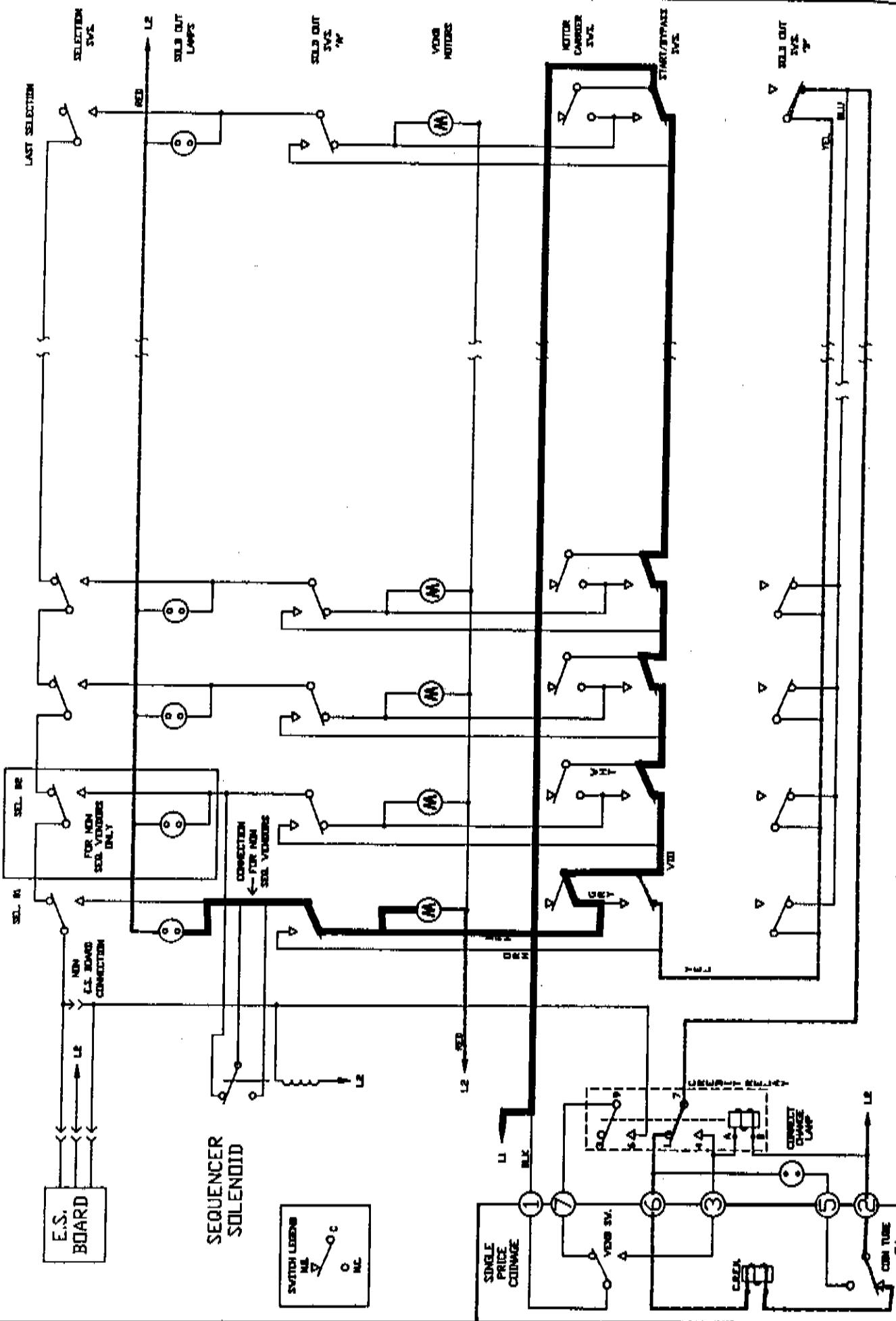
3. VEND SWITCH CIRCUIT
- a) When the coinage vend switch (circuit) returns to standby (coinage pin 1 and pin 7), all selection switches have line one applied through relay contacts #6 and #9.
  - b) The credit relay remains energized.



4. **SELECTION MODE: MOTOR START**
- a) When a push button selection switch is operated the vend motor selected will start.
  - b) Solid out lamp for that selection will light.
  - c) Motor will continue to run only if the selection is held (until start/bypass switch is actuated)
  - d) When start/bypass switch is actuated by cam lobe (to C, -N.C. position) credit relay is de-energized.



5. **SELECTION MADE: MOTOR RUN**
- a) When the motor carrier switch is actuated by leaving cam lobe (to C, -N.C. position) a line one circuit path is provided to run the motor.
  - b) Solid out lamp stays on.
  - c) As the cam continues to rotate the start/bypass switch is returned to standby (C, -N.C.) position.
  - d) When the motor carrier switch is actuated a second time (to C, -N.C. position) the motor stops. The vendor is returned to standby.



POWER ON, MACHINE LOADED 10 COLUMN

387762A

**IV. REFRIGERATION OPERATION****A. BASIC REFRIGERATION PRINCIPLE**

What a refrigeration system really accomplishes is a transfer of heat. The refrigeration system removes the heat from one area, transfers it to another where the heat is dissipated to another. In vending machine application this process requires large quantities of heat to be transferred economically, efficiently, and that can be repeated continuously without loss of refrigerant over an extended period of time. The most common system used in the vending industry is the vapor compression (or simple compression) cycle system. It consists basically of three elements: an evaporator, a compressor and a condenser, (all part of a "sealed" system).

In the compression system there are two existing pressures, the low (evaporating) pressure and the high (condensing) pressure. The refrigerant acts as the transportation medium in which heat is moved from the evaporator to the condenser, where it is discharged (into ambient air). A change of state from liquid to vapor and back to liquid allows a refrigerant to absorb and discharge large quantities of heat efficiently.

The basic vapor compression system cycle is described below.

In the evaporator the refrigerant boils (evaporates to a vapor) at a temperature sufficiently low enough to absorb heat from a space which is being cooled. The boiling temperature is controlled by the pressure maintained in the evaporator (the higher the pressure, the higher the boiling point). The compressor removes the vapor (via suction line) from the evaporator as it is formed at a rate sufficiently rapid enough to help maintain desired pressure. The compressor takes the low pressure vapor and compresses it, increasing both the pressure and temperature. The hot, high pressure gas is forced out the compressor discharge valve and into the condenser. The condenser dissipates the heat of the refrigerant vapor. As the temperature of the vapor decreases it is condensed into a liquid. This liquid flows from the condenser to the evaporator. This process in which the refrigerant absorbs heat at a low pressure and then, under the action of mechanical work, is compressed and raised to a sufficiently high enough temperature to permit rejection of this heat is continuous as long as the compressor runs.

**B. DETAILED REFRIGERATION CYCLE**

The following cycle is a detailed description of a complete refrigeration cycle as it pertains to the refrigeration system installed in Vendo equipment.

As the temperature in the cabinet rises the liquid in the thermostat feeler bulb also rises in temperature. As this liquid becomes warmer it expands. This expanding liquid pushes against the temperature control bellows and actuates the temperature control switch. The temperature control switch turns both the compressor and condenser fan on. The condenser fan sucks air through the condenser, removing heat from the refrigerant in the condenser. The compressor sucks low pressure refrigerant vapors from the evaporator, compresses it and pumps it to the condenser (where excess heat is removed). The cooled gas in the condenser turns into a liquid. The high pressure from the compressor pumps this liquid through the dryer (which removes any moisture and solid particles from liquid) and capillary tube (which controls flow of liquid) to the evaporator. At the evaporator the fan(s) blow the air of the cabinet over the evaporator, removing the excess heat from the air. The liquid is heated up and boils turning into a vapor which is sucked into the compressor through the accumulator, (which traps and allows evaporation of any liquid refrigerant after leaving evaporator), and suction line. The now falling temperature in the cabinet cools the liquid in the thermostat feeler bulb condensing it. As this liquid condenses it releases the pressure against the temperature control bellows, de actuating the temperature control switch. The de actuated control switch turns off the compressor and condenser fans.

**C. PARTS DESCRIPTIONS SEE FIGURE 40****1. Compressor (Part of a Sealed System. P/N 133134)**

The compressor sucks in low pressure vapor from the evaporator and pumps out high pressure vapor to the condenser. The motor that drives the compressor is sealed inside a housing along with compressor. The compressor is mounted to the refrigeration base, which is mounted in the bottom of the vendor - outside the "sealed" refrigerated space.

**Vendo®**

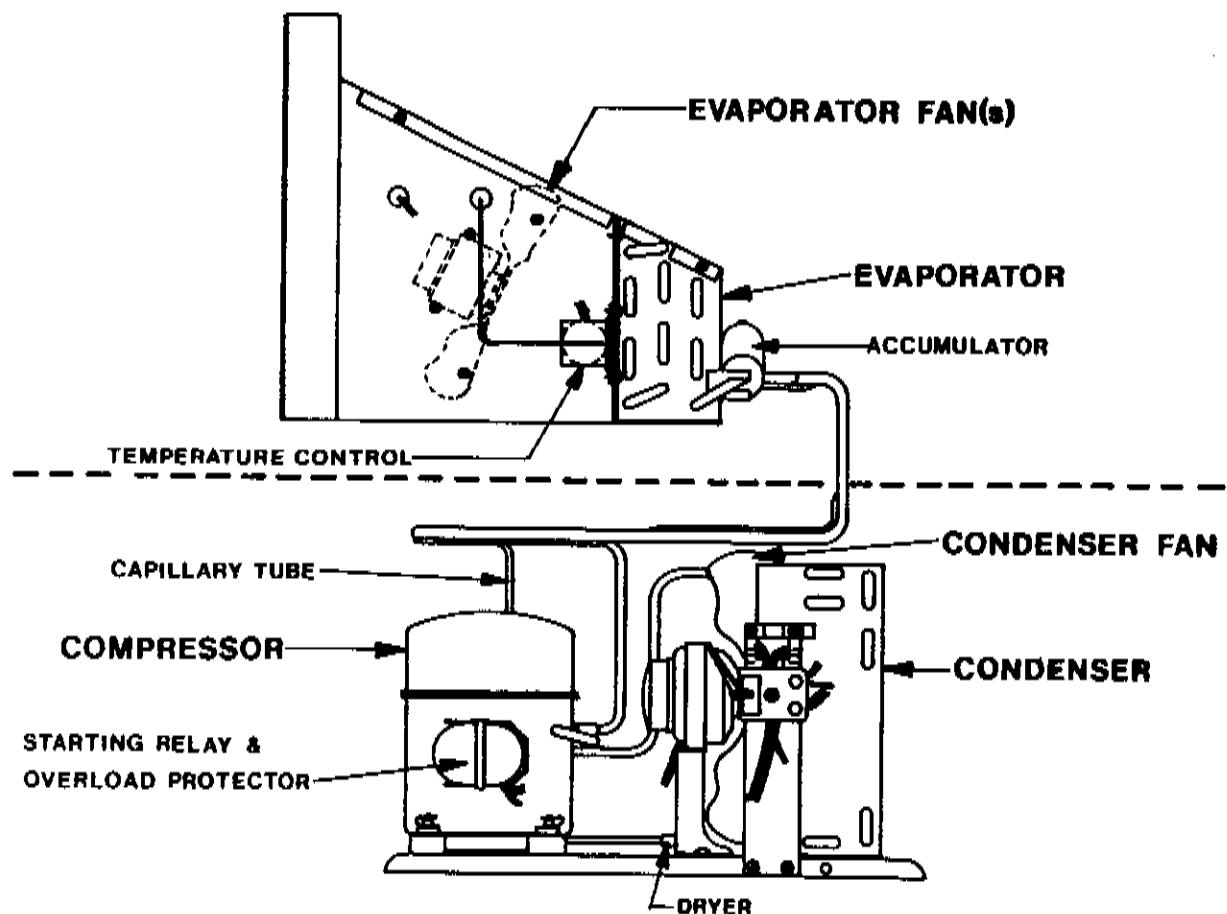
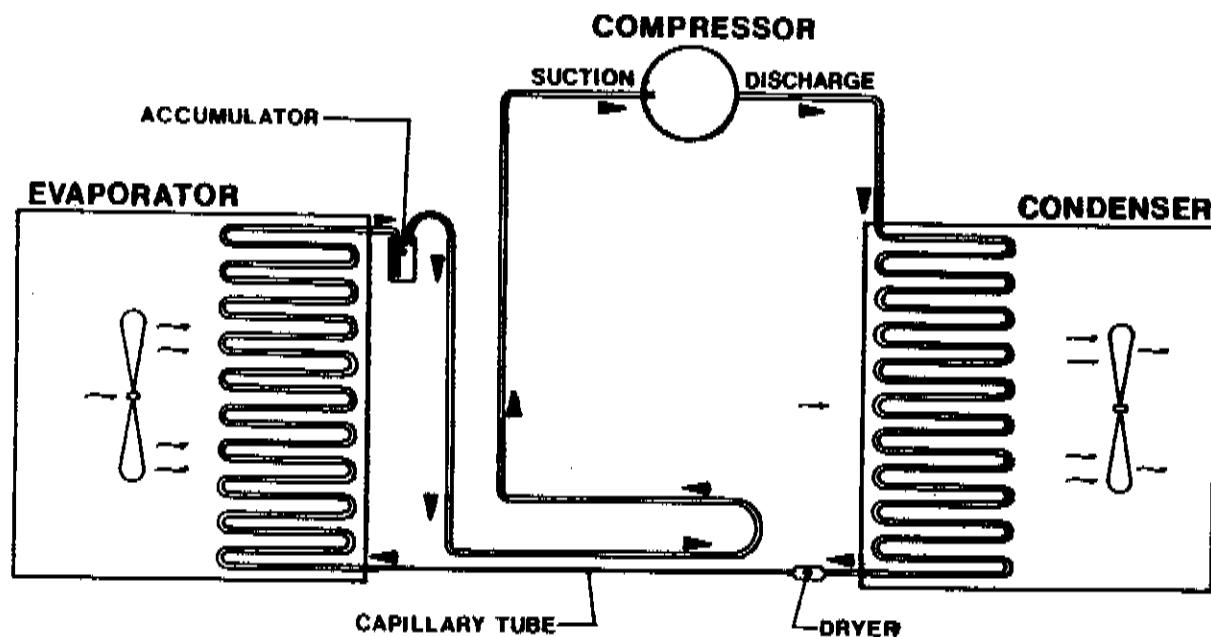


FIG. 40

**2. Condenser (Part of a Sealed System)**

The condenser takes heat out of the high pressure vapor that has come from the compressor. As this vapor passes through the condenser it is changed into a liquid because it loses heat while remaining under high pressure. The condenser is mounted to the refrigeration base towards front of vender.

**3. Condenser Fan Assembly (P/N 118887-3)**

The condenser fan pulls "cool" air from outside the vender, through the condenser and blows it out the back of the vender (and over compressor). This "cool" air removes excess heat from refrigerant in the condenser. The condenser fan runs when the compressor runs. This fan assembly is mounted on the refrigeration base between the condenser and compressor.

**4. Dryer (Part of a Sealed System)**

The dryer is a molecular sieve strainer dryer. It removes water from refrigerant liquid. The dryer also removes any solid particles that may have been accumulated by refrigerant liquid. It is mounted in the discharge line of condenser before capillary tube.

**5. Capillary Tube (Part of a Sealed System)**

The capillary tube has a very small inside diameter to help keep pressure in evaporator low and pressure built up in condenser. It also controls, but at a steady rate, the flow of refrigerant liquid to evaporator. It is the connecting line between the condenser and evaporator.

**6. Evaporator (Part of a Sealed System)**

The evaporator removes the heat from the air in refrigerated space and transfers it to the refrigerant liquid. This liquid is evaporated into a vapor and is sucked out of evaporator by the compressor. The evaporator is mounted inside the refrigerated space directly below the deliver chute.

**7. Accumulator (Part of a Sealed System)**

The accumulator traps any refrigerant liquid that did not boil off into a vapor before it reaches the compressor. It allows any refrigerant liquid to boil off as a vapor to prevent damage to compressor. It is mounted in the suction line on the discharge side of evaporator.

**8. Evaporator Fan Assembly (Various Part Numbers/See Parts Section)**

The evaporator fan blows air of refrigerated space over evaporator to remove excess heat from air. The air is then used to remove excess heat from product. The evaporator fan assembly is mounted to the evaporator mounting housing and pulls air from front of refrigerated space over evaporator, up rear of refrigerated space to vend stack.

**9. Temperature Control (P/N 368784)**

The temperature control is made of two main parts: The thermostat feeler bulb and the temperature control box. The feeler bulb is a very narrow tube with a refrigerant liquid inside. It is mounted to the evaporator (above air flow of fan) and to the control box. As the liquid in the feeler bulb expands (warms up) it expands against a bellows in the control box, which actuates a temperature control switch (also located in the control box). As the liquid in the feeler bulb cools off it contracts to turn the switch off. This switch turns the compressor and condenser fans on and off. The temperature control box is mounted to the side of the evaporator and is adjustable to control temperature of refrigerated space.

**10. Starting Relay (P/N 333894-19)**

The starting relay is mounted in the terminal box on the side of the compressor housing. When the compressor first starts up the starting relay closes and completes a starting circuit. When the compressor motor gets up to speed, the starting relay opens and breaks the starting circuit.

**11. Thermal Overload Switch (P/N 43052-33)**

The thermal overload is mounted in the terminal box on the side of the compressor housing. If the compressor motor gets hot or draws too much current the thermal overload opens and breaks the starting and running circuits of the motor. When the compressor cools off the thermal overload closes to allow compressor to run.

## MAINTENANCE

The following section deals with general maintenance and servicing of the vender. It is divided into four sections: 1) Preventative Maintenance Suggestions; 2) Care and Cleaning; 3) Lubrication Guide; and 4) Basic Trouble Shooting.

### I. PREVENTATIVE MAINTENANCE SUGGESTIONS

The following service call suggestions are given as steps to be taken whenever a vender is visited on site. They are provided as a "preventative maintenance" i.e., to help "prevent" major problems with the vender.

- A. Observe Vender and Surrounding Area for any unusual indications of problems. (Such as rust on cabinet, obstructions of air flow, dark spots on sign face, etc.)
- B. Open Door and Visually Check inside of vender. (Such as water accumulation, rust marks, moisture around edges of inner door, etc.)
- C. Check Product Temperature for proper cooling.
- D. Check Evaporator Drain for Obstruction. (Water in evaporator area must drain to condensate pan)
- E. Empty Condensate Pan.
- F. Clean Condenser (Vanes free of dirt, lint or any other obstruction)
- G. Evaporator Fan(s) run normally.
- H. Compressor and Condensate Fan run normally.
- I. Investigate any Unusual Sounds (such as fan blades hitting something, refrigeration lines rattling, etc.)
- J. Clean Coin Acceptor
- K. Deposit Coins (\$.05, \$.10, \$.25) to check for proper operation of coinage.
- L. Test Vend all Selections
- M. Correct all Problems (as necessary)
- N. Test Vender and Make a Report

**II. CARE AND CLEANING****1. GENERAL**

Wash vender with soap and water. Wax the exterior with any good automobile wax. Corrosion may be removed from the interior with a fine grade of steel wool and retouch with paint.

**2. LEXAN SIGNS****A. GENERAL CLEANING PROCEDURE**

- 1) Wash sign with a mild soap or detergent and lukewarm water. (See list of compatible clean materials.)
- 2) Using a soft cloth or sponge, gently wash the sign. DO NOT SCRUB.
- 3) Rinse well with clean water.
- 4) Dry thoroughly with a chamois or cellulose sponge to prevent water spotting. DO NOT USE A SQUEEGEE.

**B. COMPATIBLE CLEANING MATERIALS**

- 1) Aqueous solutions of soaps and detergents (all reg. trademarks):

a) Windex	d) Top Job
b) Joy	e) Mr. Clean
c) Fantastic	f) Formula 409

- 2) Organic solvents:

a) Aliphatic Hydrocarbons	e) Hexcel F.O. 554
b) Kerosene	f) Neleco - Placer
c) Naptha (VM-P Grade)	g) Turco 504Z
d) Petroleum Spirits	

- 3) Alcohols

a) Methanol	c) Isopropyl
b) Ethanol (de-natured)	

**3. FRESH PAINT SPLASHES: GREASE AND GLAZING COMPOUND REMOVAL.**

Before drying, these conditions may be easily remedied by rubbing lightly with Naptha VM-P, Isopropyl alcohol or buty cellosolve. After removal, use general cleaning procedure.

**4. LABEL AND STICKER REMOVAL**

A. The use of kerosene, NAPTHA VM-P standard solvents or petroleum spirits are generally effective against these conditions. General cleaning procedures should always be used after the use of these cleaning materials.

B. In cases where the sticker material does not allow the penetration of solvent, such as vinyl, the application of heat (a hair dryer, for example) will soften the adhesive and promote removal. Then use other cleaning procedures after sticker material is removed.

**CAUTION: Excessive heat can cause surface damage.**

**5. SCRATCH REMOVAL**

Hairline scratches and minor abrasions can be removed or minimized by using a mild automobile polish. Two products that tend to accomplish this are: 1) Johnson Paste Wax; 2) Mirror Glaze Plastic Polish (MGM 10), Mirror Bright Polish Co., Pasadena, CA. Prior to general use, it is suggested that a sample product be tested first.

**6. REFRIGERATION AREA**

The condenser and evaporator must be kept clean for efficient operation. You must be sure that all vanes and tubing are clean and clear of obstruction to allow free air passage. Clean with a brush, a vacuum cleaner or compressed air. Cabinet drain must be kept open, clean as necessary.

**7. GENERAL CAUTIONS**

- A. Do not use abrasive cleansers, highly alkaline cleansers; benzene, leaded gasoline, acetone, or carbon tetrachloride.
- B. Never scrape with razor blades or other sharp instruments.
- C. DO NOT clean in hot sun or at elevated temperatures.

**III. LUBRICATION GUIDE**

It is recommended that the following parts be lubricated with the indicated type of lubricant at the interval shown. Please refer to the chart below.

**L U B R I C A T I O N   C H A R T**

INTERVAL	PARTS	LUBRICANT
Every 6 - 8 Months	Top Door Hinge Door Hinge at Base of cabinet Door Latch cam to Strike (on inner door)	Grade 2 High-low Temperature Grease.
Every 6 - 8 Months	Product Gate Bail Bucket Pin Drive Link to Bail Gear Scavenger Arm of Coin Return	Grade 2 High-low Temperature Grease.

## IV. TROUBLE SHOOTING

The following Trouble Shooting Section is intended as a basic GUIDE (only!!) to Trouble Shoot Vendo Equipment.

The Trouble Shooting Guide is done in chart form. It has three (3) columns. The first column lists a possible problem, the second column lists possible cause(s) of that problem and the third column lists the recommended suggestion to solve that cause for that problem.

For any service problem with Vendo equipment contact THE VENDO COMPANY, 7209 N. INGRAM, FRESNO, CALIFORNIA 93650 or call toll free (800) 344-7216; in California call (800) 742-1815. Also available is a small (shirt pocket size) Training - Trouble guide (P/N 387647). Order from the Vendo parts Department at the above address or phone number.

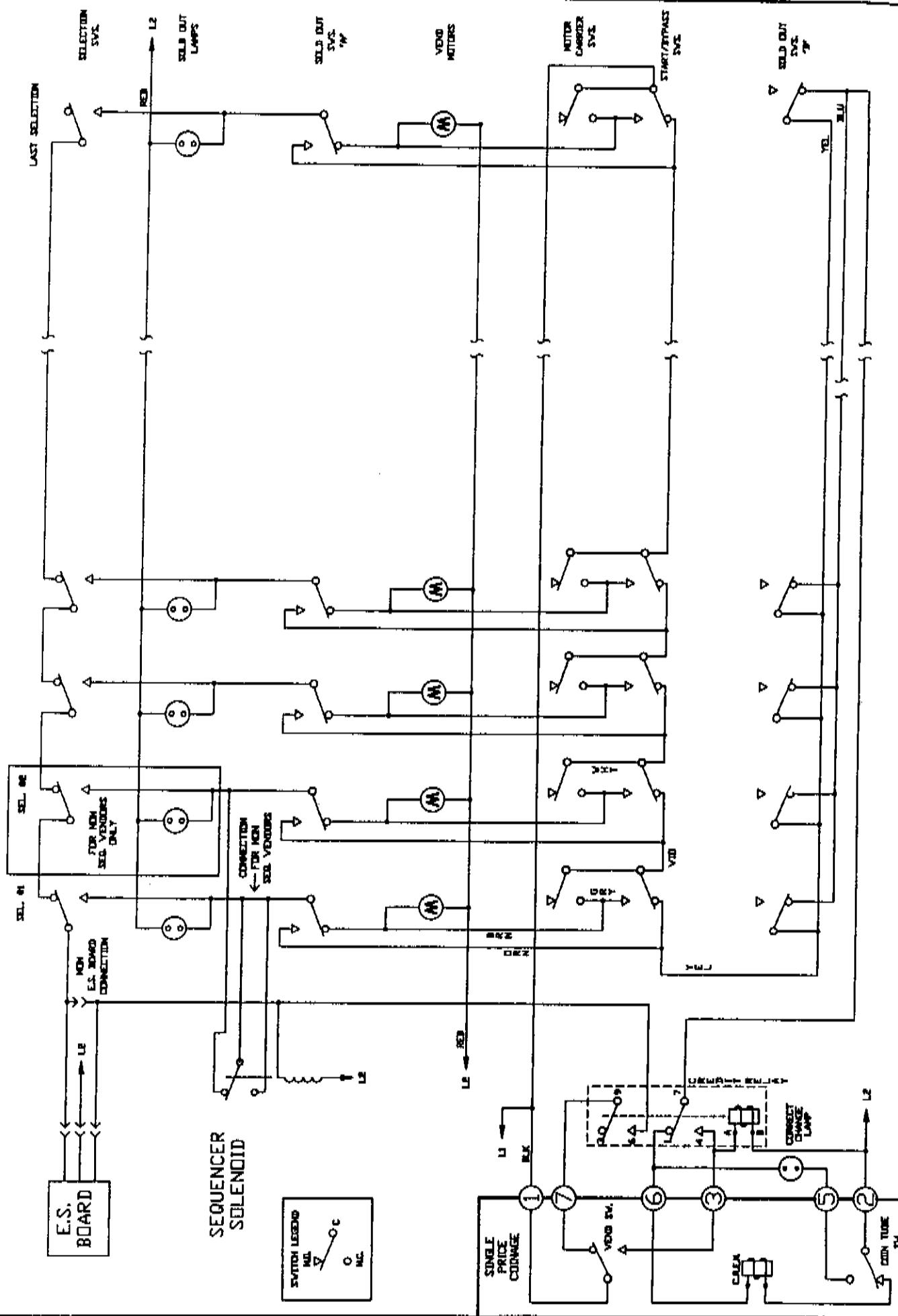
POSSIBLE PROBLEM	POSSIBLE CAUSE	SERVICE SUGGESTION
RETURN ALL GOOD COINS.	NO POWER TO VENDER	CHECK POWER SUPPLY
	NO POWER TO CHANGER	CHECK COIN MECHANISM PLUGS CHECK FOR FAULTY HARNESS WIRING (SEE WIRING DIAGRAM FOR CIRCUIT)
	ACCEPTOR IS OUT OF ADJUSTMENT OR COIN GATE IS NOT CLOSED.	CHECK COIN MECHANISM
	BLOCKING FINGERS REMAIN IN COIN PATH, DUE TO: 1) DEFECTIVE COIN RETURN ELECTRO MAGNET (C.R.E.M.) 2) BENT BLOCKING FINGERS.	1) CHECK C.R.E.M. REPLACE  2) REFORM BLOCKING FINGERS
	COIN PATHS ARE DIRTY	CLEAN ACCEPTOR WITH APPROVED CLEANER. <u>DRY VERY THOROUGHLY!</u>
	CONTACTS OF CREDIT RELAY OPEN	CHECK CONTINUITY OF RELAY. CLEAN CONTACTS WITH APPROVED ELECTRICAL CLEANER. IF STILL OPEN - REPLACE RELAY.
	OPEN MOTOR CARRIER CIRCUIT OR START BYPASS CIRCUIT	CHECK THAT MOTOR CARRIER AND BYPASS SWITCHES HAVE RETURNED TO STANDBY.

POSSIBLE PROBLEM	POSSIBLE CAUSE	SERVICE SUGGESTION
MONEY ACCEPTED, NO PRODUCT VENDED	CREDIT RELAY DOES NOT ENERGIZE	CHECK RELAY. REPLACE RELAY
	NO SELECTIONS WORK	CHECK #1 SELECTION SWITCH - RE- PLACE IF NECESSARY
	#1 SELECTION WORKS 2 THRU LAST DOES NOT.	CHECK #2 SELECTION SWITCH - REPLACE IF NECESSARY THIS PATTERN CAN CONTINUE THRU LAST SELECTION SWITCH AS SELEC- TION CIRCUIT GOES FROM 1 TO 2 TO 3 ETC. TO LAST
	SOLD OUT SWITCH "A" INOPERATIVE	CHECK SWITCH. REPLACE
	MOTOR DOES NOT START	CHECK START/BYPASS SWITCH REREPLACE SWITCH.
	MOTOR STARTS, BUT DOES NOT RUN	CHECK MOTOR CARRIER SWITCH. REPLACE SWITCH
	MOTOR DOES NOT RUN	CHECK MOTOR. REPLACE MOTOR

POSSIBLE PROBLEM	POSSIBLE CAUSE	SERVICE SUGGESTION
VEND MOTOR RUNS UNTIL TWO OR THREE PRODUCTS ARE VENDED OR VEND MOTOR RUNS CONTINUOUSLY	IMPROPER CAM LOBE ADJUSTMENT	CHECK CAM FOR PROPER ARRANGEMENT OF CAM LOBES. (SEE PRODUCT SET UP GUIDE)
	MOTOR CARRIER SWITCH NOT MAKING CONTACT WITH CAM LOBE OR SWITCH	CHECK LEVER FOR PROPER LEVER POSITIONING AND FREEDOM OF MOVEMENT.
REFRIGERATION UNIT WILL NOT RUN AT ALL	NO POWER TO VENDER	CHECK POWER SUPPLY. ALSO CHECK SERVICE CORD CONNECTIONS
	THERMOSTAT OPEN (TEMPERATURE CONTROL)	CHECK THERMOSTAT (APPLY INSULATED JUMPER ACROSS TERMINALS IF COMPRESSOR STARTS, REPLACE THERMOSTAT)
	TEMPERATURE CONTROL BULB OUT OF POSITION	CHECK THAT BULB IS IN AIR FLOW
COMPRESSOR WILL NOT START, CONDENSER FAN MOTOR RUNNING - UNIT COOL (NO POWER TO COMPRESSOR)	OVERLOAD PROTECTOR INOPERATIVE	CHECK OVERLOAD (APPLY INSULATED JUMPER ACROSS TERMINALS, IF COMPRESSOR STARTS, REPLACE OVERLOAD,
COMPRESSOR WILL NOT START, CONDENSER FAN MOTOR RUNNING - UNIT HOT (POWER TO COMPRESSOR)	STARTING RELAY INOPERATIVE	CHECK RELAY, REPLACE
	COMPRESSOR INOPERATIVE	DISCONNECT POWER TO VENDER REMOVE ALL LEADS FROM COMPRESSOR. CHECK CONTINUITY FROM "COMMON", "START", AND "RUN" TO COMPRESSOR CASE. IF CONTINUITY SHOWS, REPLACE COMPRESSOR. ALSO CHECK FROM "COMMON" TO "RUN" AND FROM "COMMON" TO "START". (USING CONTINUITY OR OHMS) IF METER FAILS TO SHOW READING REPLACE COMPRESSOR.

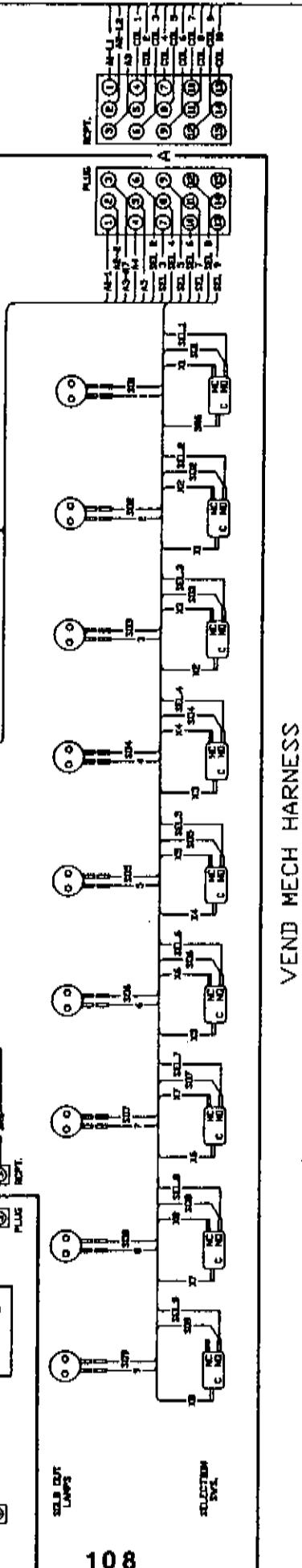
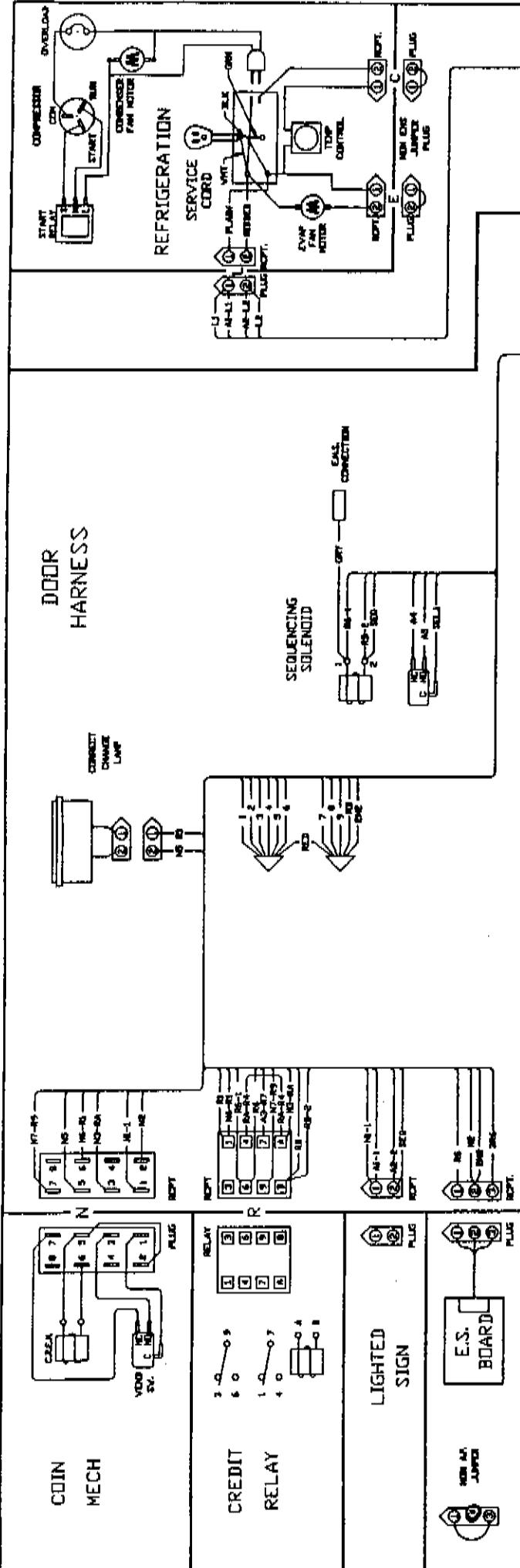
POSSIBLE PROBLEM	POSSIBLE CAUSE	SERVICE SUGGESTION
COMPRESSOR STARTS BUT DOES NOT RUN	WILL NOT CYCLE	CHECK OVERLOAD AND CONTACTS - REPLACE OVERLOAD IF NECESSARY.
	STARTING RELAY STAYS CLOSED.	REPLACE RELAY
	THERMOSTAT INOPERATIVE	CHECK THERMOSTAT. CLEAN CONTACTS WITH APPROVED ELECTRICAL CLEANER. REPLACE THERMOSTAT IF NECESSARY.
	COMPRESSOR MOTOR PROBLEM.	CHECK. REPLACE
COMPRESSOR RUNS BUT CABINET TEMPERATURE WARM	COMPRESSOR FAILURE	REPLACE COMPRESSOR
	LOSS OF REFRIGERANT	REPLACE REFRIGERATION UNIT (NOTE: ANY WORK OF THIS NATURE DONE WITHOUT EXPRESS PERMISSION FROM THE VENDO COMPANY CAN VOID THE WARRANTY ON THE REFRIGERATION UNIT)
	CONDENSER FAN NOT WORKING.	CHECK CIRCUIT TO FAN MOTOR. REPLACE MOTOR, CHECK FOR OBSTRUCTION OF FAN BLADE.
	BLOCKED OR DIRTY CONDENSER	CHECK CONDENSER VANES FOR OBSTRUCTION, LINT OR DIRT. CLEAN. ALSO CHECK FOR PROPER AIR FLOW THROUGH REFRIGERATION AREA. (REFER TO INITIAL INSTALLATION OF SERVICE MANUAL)
	EVAPORATOR FAN NOT WORKING	CHECK CIRCUIT TO FAN MOTOR. REPLACE MOTOR ALSO CHECK FOR OBSTRUCTION OF FAN BLADE
	BAD INNER DOOR SEAL	CHECK FOR MOISTURE ON SEAL. ADJUST INNER DOOR AS NECESSARY (SEE INITIAL SETUP OF SERVICE MANUAL). REPLACE DOOR SEAL

POSSIBLE PROBLEM	POSSIBLE CAUSE	SERVICE SUGGESTION
COMPRESSOR RUNS - BUT CABINET TEMPERATURE WARM	THERMOSTAT SET TO HIGH	ADJUST THERMOSTAT (SEE INITIAL SETUP OF SERVICE MANUAL)
COMPRESSOR RUNS CONTINUOUSLY	THERMOSTAT INOPERATIVE	CHECK THERMOSTAT.
EVAPORATOR FROSTED OVER	WATER AT BASE OF EVAPORATOR UNIT	CHECK FOR PROPER DRAINAGE (SUCH AS PLUGGED DRAIN, KINK IN DRAIN TUBE, ETC) CHECK DOOR SEAL.
PRODUCT FREEZING UP TOO COLD	THERMOSTAT SET TOO LOW	ADJUST THERMOSTAT (SEE INITIAL SETUP OF SERVICE MANUAL).
	THERMOSTAT INOPERATIVE (COMPRESSOR RUNS CONTINUOUSLY)	CHECK THERMOSTAT REPLACE IF NECESSARY
	THERMOSTAT FEELER BULB OUT OF POSITION	ADJUST BULB (SEE INITIAL SETUP OF SERVICE MANUAL).
EXCESSIVE NOISE	FAN BLADES BENT OR HITTING SHROUD	STRAIGHTEN, RELOCATE SHROUD POSITION.
	FAN MOTOR NOISY	TIGHTEN BOLTS OR REPLACE
	REFRIGERATION BASE LOOSE OR BENT	TIGHTEN OR STRAIGHTEN BASE

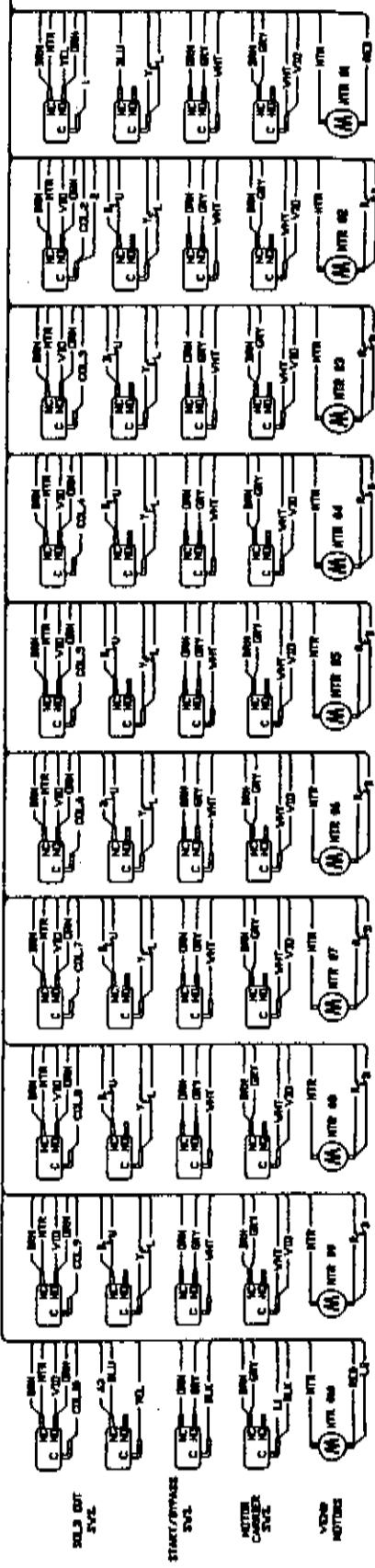


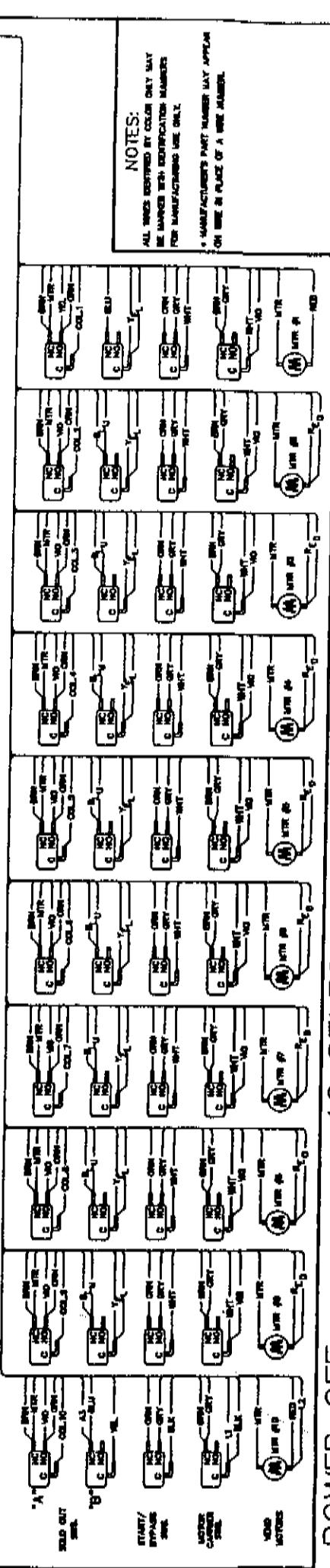
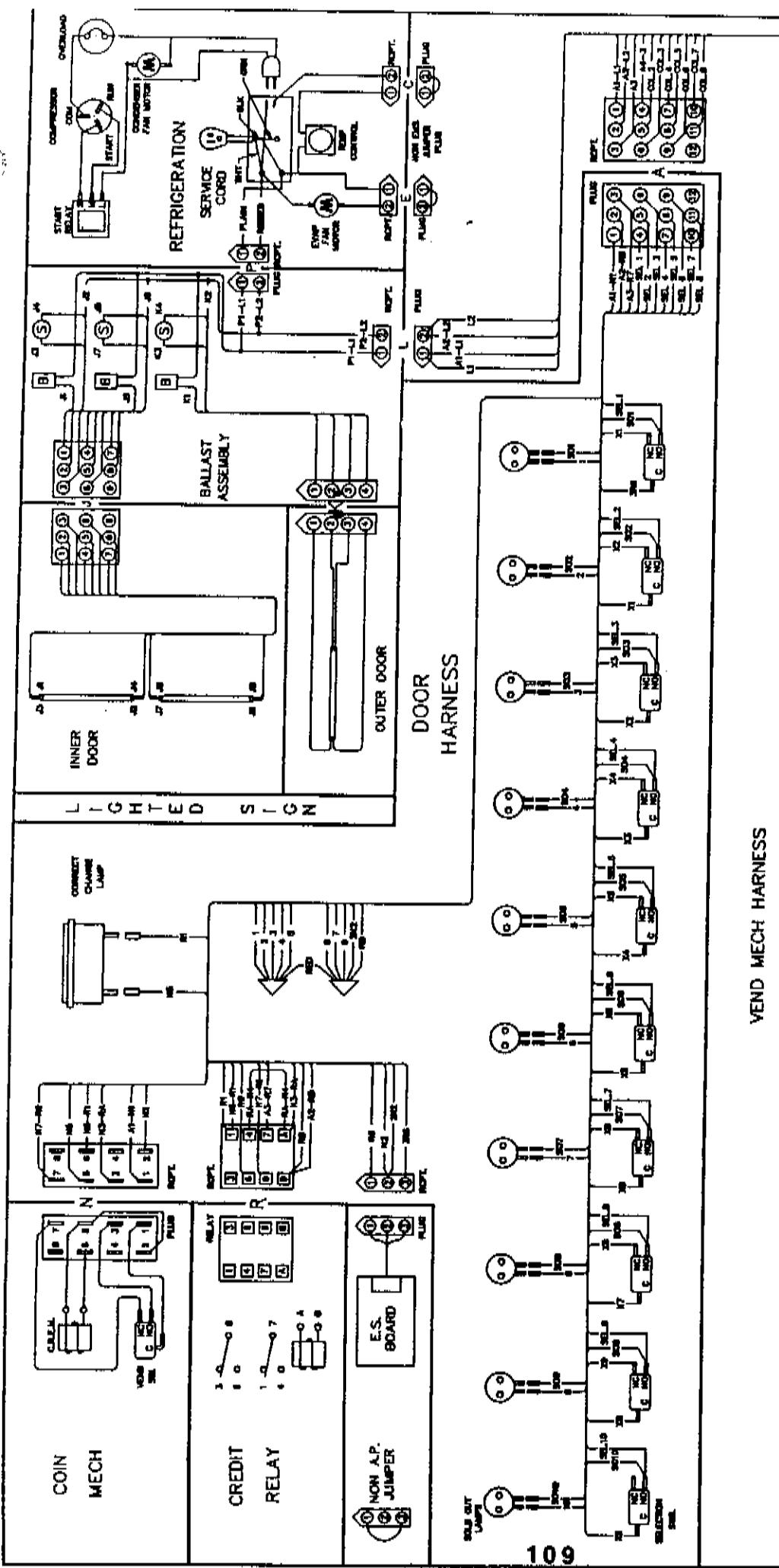
POWER ON, MACHINE LOADED 10 COLUMN

387762A



**NETTES**  
ALL VINES IDENTIFIED BY COLOR ONLY MAY  
BE PLANTED WITH IDENTIFICATION NUMBERS  
OR MANUFACTURERS NAME ONLY.  
MANUFACTURERS PART NUMBER MAY APPEAR  
IN VINE IN PLACE OF A VINE NUMBER.  
REFERS TO VIBRANT IMAGINATION SERIES FOR  
AS EIGHT CONTRACT.

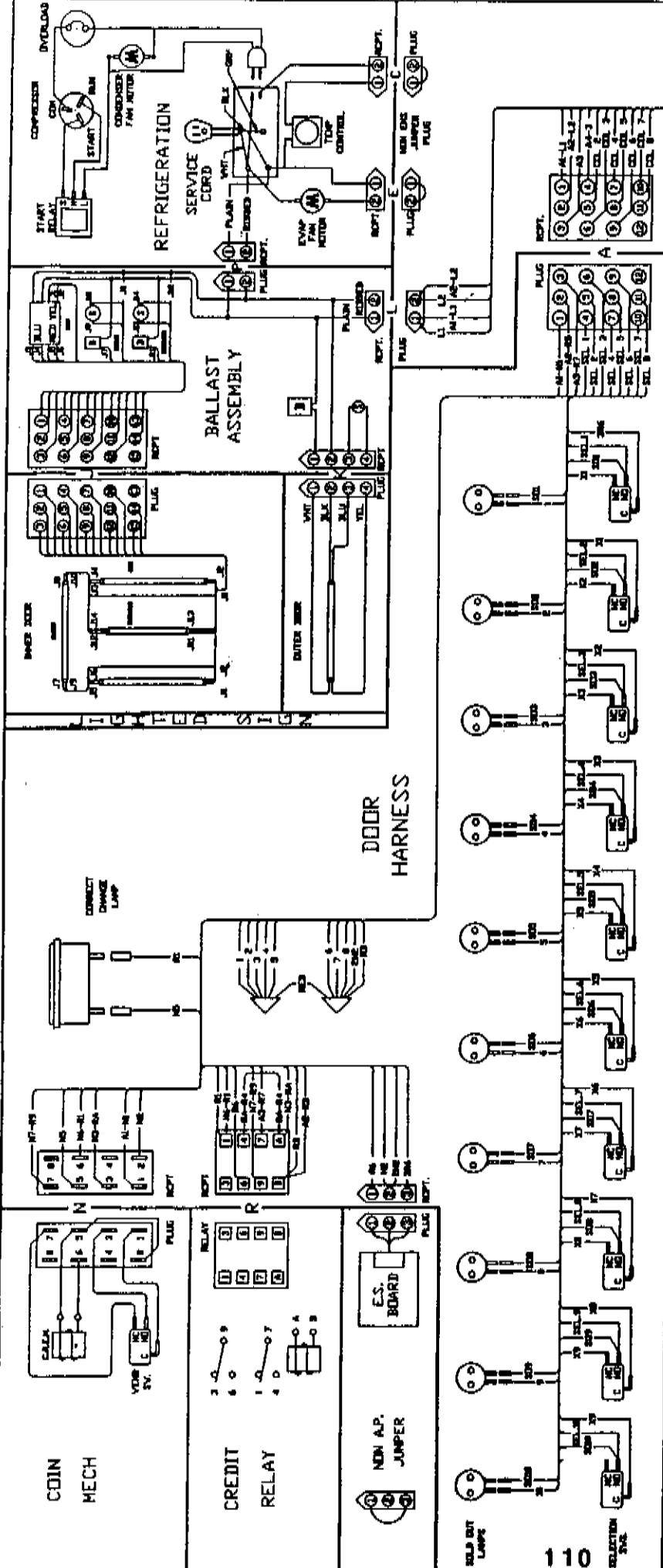




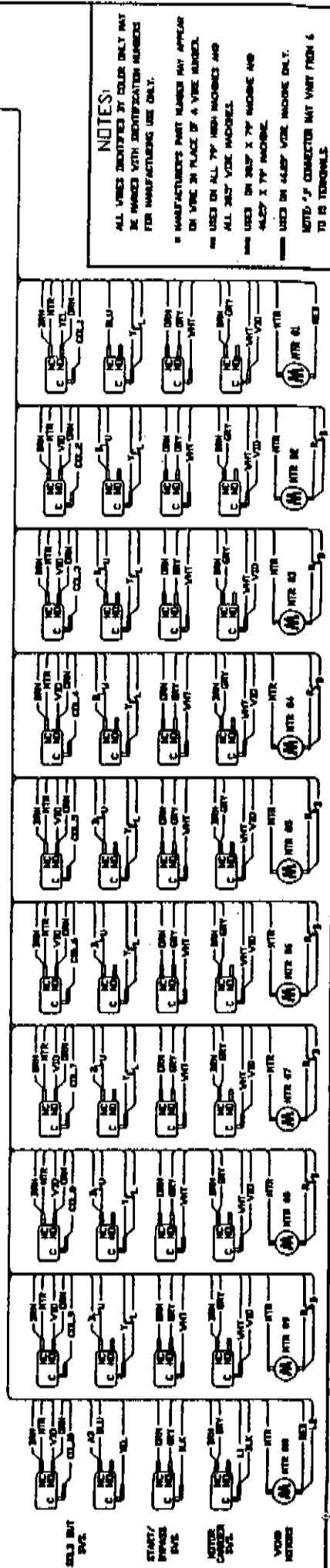
7R7RA5A

10 SELECT - 10 COIN/MIN

POWER OFF



VEND MECH HARNESS

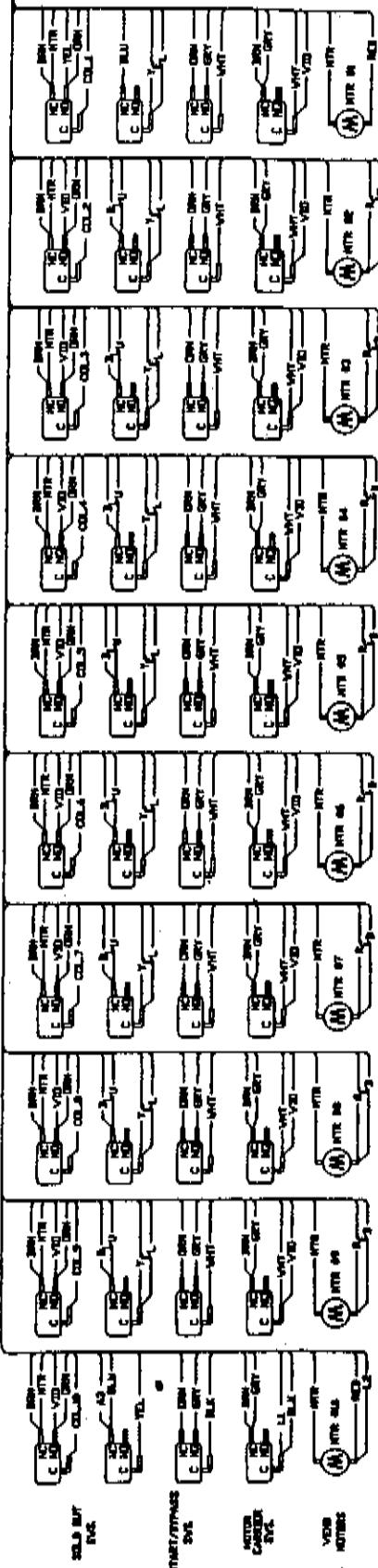


387836A

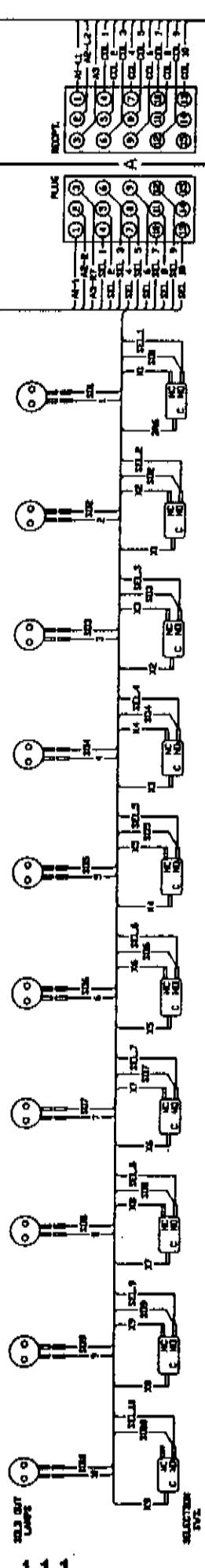
10 SELECT - in COLUMN

POWER

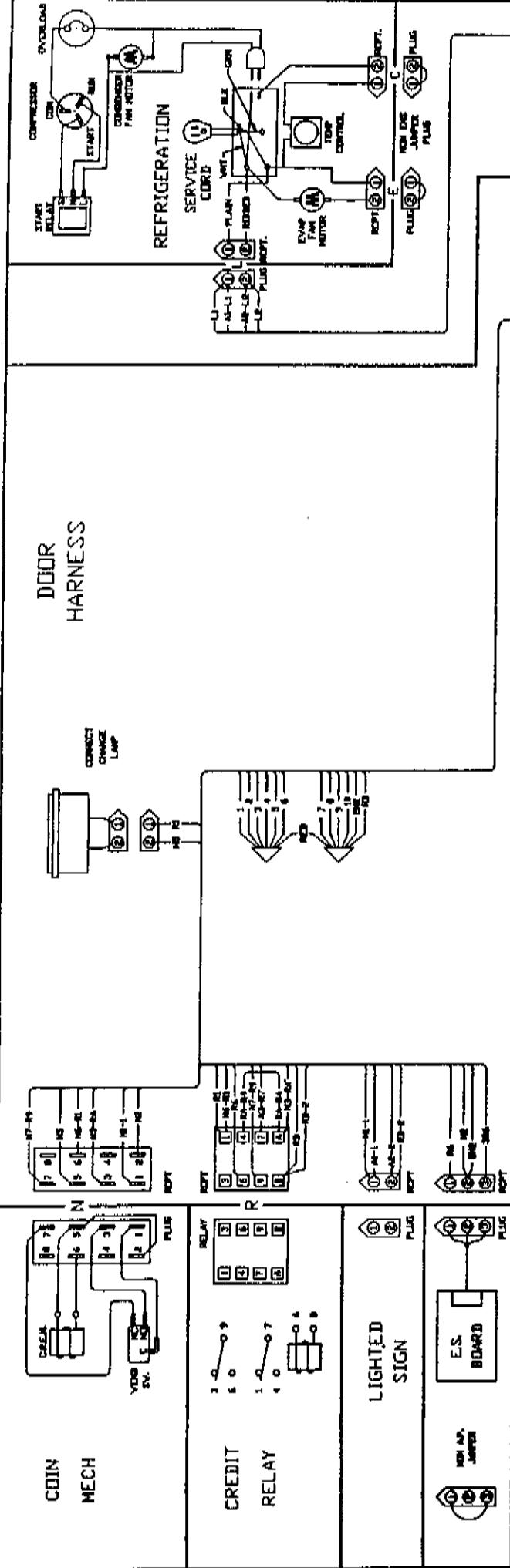
**NOTES:**  
 ALL WIRES IDENTIFIED BY COLOR ONLY MAY  
 BE MARKED WITH IDENTIFICATION NUMBERS  
 FOR MANUFACTURING USE ONLY.  
 ■ MANUFACTURER'S PART NUMBER MAY APPEAR  
 ON ONE IN PLACE OF A VINE NUMBER.



## VEND MECH HARNESS



## DOOR HARNESS



## REFRIGERATION

**Vendo®**

## KIT LIST - 1986 480D &amp; 570D

KIT NUMBER	DESCRIPTION
131325	BOTTLE OPENER (WIDE SHOULDER, SHORT NECK)
131558	COIN BOX LOCK (STANDARD MACHINES)
132817	MAGNUM HONOR GUARD ADAPTION
133027	COINAGE DOOR LOCK (DR PEPPER CENTURY II)
52525	SECURITY "GIRDLE"
133221	COIN BOX LOCK (MAGNUM)
133221	COINAGE DOOR LOCK (MAGNUM)
133222	COIN BOX AND COINAGE DOOR LOCK (MAGNUM)
133015	HONOR GUARD ADAPTION - D.P. CENTURY II
133207	HONOR GUARD SECURITY - MAGNUM
133173	COINAGE COVER - COKE/TRADE W/"T" HANDLE
133210	TO 10 OZ CAN*
133211	TO 12 OZ CAN*
133212	TO 10 OZ POLYLABLED BOTTLE*
133213	TO 16 OZ POLYLABLED BOTTLE*
133214	TO 10 OZ RETURNABLE BOTTLE*
133215	TO 16 OZ RETURNABLE BOTTLE*

\*THESE KITS CONVERT ONE COLUMN

# Vendo®

SUGGESTED  
\*SPARE PARTS LIST  
FOR  
1986 480D & 570D MODELS

QUANTITY	PART NUMBER	DESCRIPTION
1	124435	Lamp - Correct Change
1	379407-2	Latch - Coinage Door
1	385440	Switch - Push Button
1	385567	Spring - Push Button
1	383991	Lamp - Sold Out
1	370841-1	Push Button - Small, No Label
1	387294	Push Button (Cent II Only) No Label
1	385990	Push Button (Magnum Only) No Label
1	353343	Relay - Credit
1	387122	Lamp Holder
1	383982	Ballast (Rapid Start 2 Lamp)
1	383980	Lamp (48")
1	332974	Lamp (24")
1	386378	Lamp (18")
1	327146	Ballast (25 W. Lamp)
1	321345-3	Ballast (14, 15 or 20 W. Lamp)
1	384146	Lamp Holder
1	327143	Starter (FS-25)
1	321350	Starter (FS-2)
1	132988	Door Latch Assembly
6	368299	Switch (Sold Out, Motor Cr & Bypass)
1	387796	Motor
1	387804	Relay (Sequence)

Refrigeration System Parts

1	333894-19	Relay (V88 - S 1/3)
1	45052-33	Overload Protector (V88 - S 1/3)
1	118887-3	Condenser Motor Assembly (V88 - S 1/3)
1	368794	Temperature Control
1	42321-17	Evaporator Motor (V88 - S 1/3)

\*Note: This list is suggested as a guide for an initial part stock for one to ten venders. It includes parts FOR ALL MODELS. An accurate history of parts usage must be kept to provide the most efficient and economical handling of any parts department.

