

1987

QUICK-VEND

PARTS & SERVICE

MANUAL

MODELS

264

312

345

407

475

Vendo[®]

Literature Number: **388351**

Vendo®

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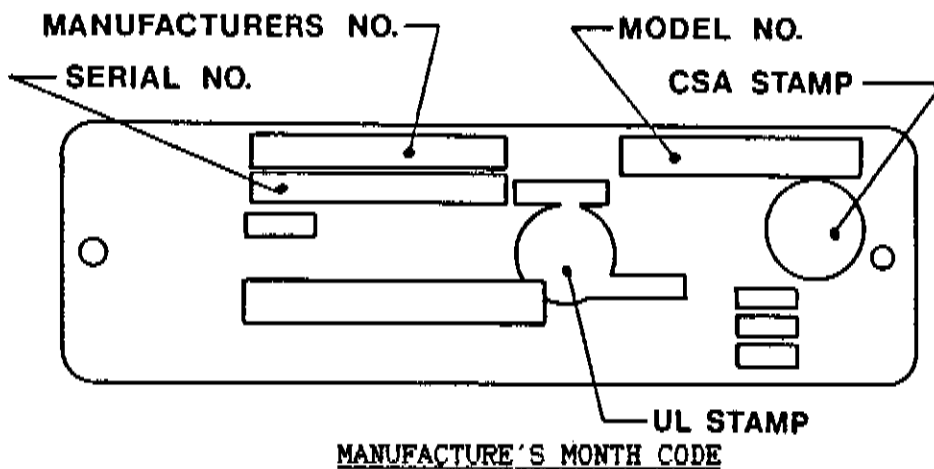
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2-1-87

INTRODUCTION AND MODEL IDENTIFICATION

The 1987 QUICK VEND MODEL offer superior package versatility combined with easy conversion and simple loading features. Plus a minimum of component parts in its vend mechanism.

WHEN REQUESTING INFORMATION ABOUT YOUR VENDER PLEASE REFER TO THE COMPLETE MANUFACTURES NUMBER AND SERIAL NUMBER. This information may be obtained from the metal identification plate (shown below) attached to left side of outer door.



January.....	B	July.....	N
February.....	D	August.....	P
March.....	F	September.....	Q
April.....	H	October.....	R
May.....	K	November.....	S
June.....	M	December.....	T

Vendo®

SPECIFICATIONS

SALES MODEL	HEIGHT	WIDTH	DEPTH*	SHIPPING WEIGHT**	REFRIGERATION H/P
264/148	66"	32"	24.37"	510 LBS	1/4
312/176	72"	32"	24.37"	540 LBS	1/4
345/193	66"	39"	24.37"	585 LBS	1/4
407/229	72"	39"	24.37"	640 LBS	1/3
475/268	79"	39"	24.37"	685 LBS	1/3

*NOTE: Will vary due to different outer door styles.
This dimension based on standard flat sign face style of outer door.

**NOTE: Will vary due to different outer door styles.
Weight is given as a nominal average weight.

VENDING CAPACITIES

SALES MODEL	CAN		BOTTLES				
	RIMLESS		POLYLABELED		RETURNABLE		
	10 oz	12 oz	10 oz.	16 oz.	6 1/2 oz.	10 oz.	16 oz.
264/148	304	268	252	94	156	146	130
312/176	344	312	304	110	180	174	154
345/193	398	350	329	124	204	191	170
407/229	450	406	397	145	235	227	201
475/268	543	480	457	171	282	264	235

PARTS SECTION

PARTS SECTION INDEX

QUICK THUMB INDEX

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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, and the serial 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 vender 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 in operative 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).

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).
10. ON DRAWING. Circled number indicates a detail part. White number in black square indicates a reference part - either see another page or part not shown graphically.

	ITEM NO.	PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
1	1	132031	1	MOTOR PLATE ASSEMBLY
5	2	132023	1	MOTOR HUB ASSEMBLY
6	3	385418	1	MOTOR
	4	385560	1	DRIVE GEAR
7	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
8	11	V801431	4	TAPPING SCREW
9				

QUICK REFERENCE WIRING GUIDE

MODEL / SELECTIONS	DOOR HARNESS	MECH HARNESS	SEQUENCER	WIRING DIAGRAM	SCHEMATIC
COKE 264; 312... 6 SELECT (4+2) 345; 407; 475..... 7 SELECT (5+3)	133390 133391	132905 132909	131167 131166-1	388400 388402	388399 388399
DR. PEPPER 264; 312... 6 SELECT (4+2) 345; 407; 475..... 8 SELECT (5+3)	133480 133481	132905 132909	131167 131167	388400 388401	388399 388399
PEPSI 264; 312... 6 SELECT (4+2) 345; 407 475..... 8 SELECT (5+3)	133387 133388	132905 132909	131167 131167	388400 388401	388399 388399
TRADE 264; 312... 6 SELECT (4+2) 345; 407 475..... 8 SELECT (5+3)	133393 133394	132905 132909	131167 131167	388400 388401	388399 388399

KIT NUMBER	DESCRIPTION
132991	16 oz. POLYLABELED BOTTLE - 4+2
132991-1	16 oz. POLYLABELED BOTTLE - 5+3
132993	10 oz. CAN, FROM 12 oz. CAN - 4+2
132993-1	10 oz. CAN, FROM 12 oz. CAN - 5+3
132975-1	250 ml CAN - 5+3 (ONLY)
132976-1	6 oz. JUICE CAN - 5+3 (ONLY)
132070	STACK BRACE - 4+2
132071	STACK BRACE - 5+3
133451	RETURNABLE BOTTLE, FROM 12 oz. CAN - 4+2
133451-1	RETURNABLE BOTTLE, FROM 12 oz. CAN - 5+3
133452	RETURNABLE BOTTLE, FROM 10 oz. CAN - 4+2
133452-1	RETURNABLE BOTTLE, FROM 10 oz. CAN - 5+3
133453	BOTTLE OPENER KIT
133454	E.M.S. KIT
133449	INNER-OUTER DOOR LOCK
133450	COIN BOX LOCK
133455	COINAGE DOOR LOCK
133456	CASTER KIT
133457	HONOR GUARD ADAPTER KIT - MAGNUM
133458	HONOR GUARD ADAPTER KIT - CENTURY II
133472	"T" HANDLE COVER KIT



PART NUMBER	DESCRIPTION	MODEL USED
38421	PATENT LABEL	ALL
326915	CODE LABEL	ALL
376433	COINAGE LABEL	ALL
383401	WARNING LABEL	ALL
387478	LOADING INSTRUCTIONS - DOUBLE DEPTH	ALL
387269	LOADING INSTRUCTIONS - SINGLE DEPTH	ALL
388327	COIN INSERT INSTRUCTION LABEL	COKE
388389	COIN INSERT INSTRUCTION LABEL	ALL OTHERS
388348	PRICE DECAL	COKE
388390	PRICE DECAL	ALL OTHERS
388434	SELECTION BUTTON TO COLUMN CONTROLLED	COKE
387460	SELECTION BUTTON TO COLUMN CONTROLLED	DR. PEPPER
387095	SELECTION BUTTON TO COLUMN CONTROLLED	PEPSI
388481	SELECTION BUTTON TO COLUMN CONTROLLED	TRADE
_____	FLAVOR STRIPS - SEE PAGES A7 - A12	ALL
_____	WIRING DIAGRAM - SEE PAGE A4	ALL
_____	WIRING SCHEMATIC - SEE PAGE A4	ALL

A

SUGGESTED SPARE PARTS LIST - 1987 QUICK VEND MANUAL

COKE PART NO.	DR PEPPER PART NO.	PEPSI PART NO.	TRADE PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
*****	*****	*****	*****	**	OUTER DOOR PARTS
387124	387124	387124	387124	1	LAMP - CORRECT CHANGE
388123	388123	388123	387123		LATCH - COINAGE DOOR
388250	387294	388246	370840-1	1	SELECTION BUTTON - NO LABEL
			370841-1	1	SELECTION BUTTON - NO LABEL
388287	385440	337576	385440	1	SWITCH - BUTTON
388286	385878	385994	385878	1	SPRING - BUTTON
388277	383991	383991	383991	1	SOLD OUT LAMP
133431				1	SELECTION WINDOW
388388				1	BUTTON HOUSING
353343	353343	353343	353343	1	CREDIT RELAY
388408		388320		1	FLUORESCENT LAMP (72")
388408-1		388320-1		1	FLUORESCENT LAMP (64")
388408-2		388320-2		1	FLUORESCENT LAMP (60")
	388320-3		388320-3	1	FLUORESCENT LAMP (48")
	388320-4		388320-4	1	FLUORESCENT LAMP (42")
	388320-5		388320-5	1	FLUORESCENT LAMP (36")
	384161			1	FLUORESCENT LAMP (33")
388406	388261	388261	388260	1	LAMP HOLDER - FIXED
388407	388260	388260	388260	1	LAMP HOLDER - PLUNGER
388405	388463	388259	388463	1	BALLAST (2 LAMP)
	383981			1	BALLAST (1 LAMP)
133429	133429	133429	133429	1	DOOR LATCH
388368	388368	388368	388368	1	E. S. BOARD (2D)
*****	*****	*****	*****	**	STACK PARTS
385419	385418	385418	385418	1	MOTOR
368299	368299	368299	368299	6	SWITCH (SOLD OUT & MOTOR)
387372	387372	387372	387372	1	SEQUENCE SWITCH
*****	*****	*****	*****	**	REFRIGERATION PARTS
333894-8	333894-8	333894-8	333894-8	1	RELAY (1/4)
333894-15	333894-15	333894-15	333894-15	1	RELAY (1/3)
45052-28	45052-28	45052-28	45052-28	1	OVERLOAD PROTECTOR (1/4)
45052-27	45052-27	45052-27	45052-27	1	OVERLOAD PROTECTOR (1/3)
368794	368794	368794	368794	1	TEMPERATURE CONTROL
42321-42	42321-42	42321-42	42321-42	1	EVAPORATOR MOTOR (1/4)
42321-17	42321-17	42321-17	42321-17	1	EVAPORATOR MOTOR (1/3)
42321-35	42321-35	42321-35	42321-35	1	CONDENSER FAN MOTOR (1/4)
42321-36	42321-36	42321-36	42321-36	1	CONDENSER FAN MOTOR (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.



**87 COKE
SELECTION WINDOW LABELS
1.37 X 3.36**

**COKE DESIGNATED FLAVOR LABELS
TRADE STYLE
SMALL BUTTON LABELS
2.25 X 3.47**

**TRADE STYLE
MEDIUM BUTTON LABELS
2.30 X 7.06**

A

COKE CLASSIC
COKE
DIET COKE
CAFFEINE FREE DIET COKE
CHERRY COKE
TAB
SPRITE
MINUTE MAID ORANGE SODA
DIET SPRITE
DIET CHERRY COKE
FRESCA
RAMBLIN ROOT BEER
CAFFEINE FREE DIET COKE
CAFFEINE FREE TAB
SUGAR FREE RAMBLIN ROOT BEER
MELLOW YELLOW
MR. PIBB
SUGAR FREE MR. PIBB
FANTA ORANGE SODA
FANTA GINGER ALE
FANTA ICE TEA
DIET MINUTE MAID ORANGE SODA
FANTA GRAPE SODA
FANTA ROOT BEER
MINUTE MAID LEMON LIME SODA
DIET M/M LEMON LIME SODA
FANTA RED CREAM SODA
FANTA STRAWBERRY

P/M
388451
388451-1
388451-2
388451-3
388451-4
388451-5
388451-6
388451-7
388451-12
388451-13
388451-14
388451-15
388451-16
388451-17
388451-18
388451-19
388451-20
388451-21
388451-22
388451-23
388451-24
388451-25
388451-26
388451-27
388451-28
388451-29
388451-30
388451-31

COKE
FRESCA
MELLO YELLO
SPRITE
DIET SPRITE
TAB
MR. PIBB
SUGAR FREE MR. PIBB
FANTA GRAPE
FANTA ORANGE
FANTA ROOT BEER
DIET COKE
CAFFEINE FREE COKE
CAFFEINE FREE DIET COKE
CAFFEINE FREE TAB
CHERRY COKE
CLASSIC COKE
NEW COKE
COKE (NEW)
CLASSIC (NEW)
CHERRY COKE (NEW)
DIET COKE (NEW)
TAB (NEW)
SPRITE (NEW)
DIET SPRITE
DIET CHERRY COKE

P/M
384013
384013-1
384013-2
384013-3
384013-4
384013-5
384013-6
384013-7
384013-8
384013-9
384013-10
384013-11
384013-14
384013-15
384013-16
384013-17
384013-18
384013-19
384013-20
384013-21
384013-22
384013-23
384013-24
384013-25
384013-26
384013-27

CHERRY COKE
MINUTE MAID LEMON LIME
M/M DIET LEMON LIME
MINUTE MAID ORANGE
MINUTE MAID DIET ORANGE
DIET CHERRY COKE
COCA-COLA
FRESCA
SPRITE
SUGAR FREE SPRITE
TAB
MR. PIBB
SUGAR FREE MR. PIBB
FANTA GRAPE
FANTA ORANGE
FANTA ROOT BEER
MELLO YELLO
HI-C ORANGE
HI-C GRAPE
HI-C LEMONADE
HI-C RED PUNCH
DIET COKE
CAFFEINE FREE COKE
CAFFEINE FREE DIET COKE
CAFFEINE FREE TAB
HI-C PEACH
CHERRY COKE
CLASSIC COKE
NEW COKE

P/M
384077-89
384077-109
384077-110
384077-111
384077-112
384077-114
383456
383456-1
383456-2
383456-3
383456-4
383456-5
383456-6
383456-7
383456-8
383456-9
383456-10
383456-11
383456-12
383456-13
383456-14
383456-16
383456-17
383456-18
383456-19
383456-20
383456-21
383456-22
383456-23

**DR. PEPPER CENTURY II
STYLE FLAVOR LABELS
1.72 X 5.30**

P/M
387395-8
387395-9
387395-10
387395-15
387395-17
387395-33
387395-48
387395-49
387395-50
387395-53

COKE
DIET COKE
SPRITE
DIET SPRITE
CAFFEINE FREE DIET COKE
TAB
COKE CLASSIC
CHERRY COKE
MELLO YELLO
DIET CHERRY COKE

PEPSI COLA DESIGNATED FLAVOR LABELS

PEPSI MAGNUM BUTTONS LABELS

1.50 X 3.31

	P/N
PEPSI	387037
MOUNTAIN DEW	387037-2
PEPSI FREE	387037-4
TEEM	387037-6
GRAPE	387037-7
ORANGE	387037-8
ROOT BEER	387037-9
STRAWBERRY	387037-39
SLICE	387037-56
DIET SLICE	387037-57
DIET PEPSI ONE CALORIE	387037-58
CAFFINE FREE DIET PEPSI FREE	387037-59
PEPSI LIGHT ONE CALORIE	387037-60
DIET MOUNTAIN DEW	387037-76
CHERRY PEPSI	387037-79
CHERRY COLA SLICE	387037-82
MANDARIN ORANGE SLICE	387037-83
DIET MANDARIN ORANGE SLICE	387037-84
DIET CHERRY COLA SLICE	387037-85
APPLE SLICE	387037-86
DIET APPLE SLICE	387037-86
PEPSI FREE CAFFINE FREE	387037-89

TRADE STYLE SMALL LABELS

2.30 X 3.50

	P/N
PEPSI	384078
TEEM	384078-1
GRAPE	384078-2
ORANGE	384078-3
ROOT BEER	384078-4
MOUNTAIN DEW	384078-5
PEPSI FREE	384078-16
ON TAP ROOT BEER (PEPSI)	384078-19
DIET PEPSI ONE CALORIE	384078-21
CAFFINE FREE DIET PEPSI FREE	384078-22
PEPSI LIGHT ONE CALORIE	384078-23
SLICE	384078-24
DIET SLICE	384078-25
CHERRY PEPSI	384078-26
MANDARIN ORANGE SLICE	384078-27
DIET MANDARIN ORANGE SLICE	384078-28
CHERRY COLA SLICE	384078-29
DIET CHERRY COLA SLICE	384078-30
APPLE SLICE	384078-31
DIET APPLE SLICE	384078-32
PEPSI FREE CAFFINE FREE	384078-33



TRADE STYLE MEDIUM BUTTON LABELS

2.30 X 7.06

	P/N
PEPSI	384077
TEEM	384077-1
GRAPE (PEPSI)	384077-2
ORANGE (PEPSI)	384077-3
ROOT BEER (PEPSI)	384077-4
MOUNTAIN DEW	384077-27
PEPSI FREE	384077-37
MOTT'S APPLE CRANBERRY	384077-63
MOTT'S APPLE	384077-64
MOTT'S APPLE-GRAPE	384077-65
MOTTS GRAPEFRUIT	384077-66
MOTTS ORANGE FRUIT JUICE BLEND	384077-67
SLICE	384077-83
DIET SLICE	384077-84
DIET PEPSI ONE CALORIE	384077-85
CAFFINE FREE DIET PEPSI FREE	384077-86
PEPSI LIGHT ONE CALORIE	384077-87
CHERRY PEPSI	384077-95
MANDARIN ORANGE SLICE	384077-100
DIET MANDARIN ORANGE SLICE	384077-101
CHERRY COLA SLICE	384077-102
DIET CHERRY COLA SLICE	384077-103
APPLE SLICE	384077-104
DIET APPLE SLICE	384077-105
PEPSI FREE CAFFINE FREE	384077-108



DR. PEPPER DESIGNATED FLAVOR LABELS

DR. PEPPER CENTURY II
BUTTON LABELS
1.72 X 5.30

TRADE STYLE
SMALL BUTTON LABELS
2.30 X 3.50

A DR PEPPER	P/N
SUGAR FREE DR PEPPER	387395
SUGAR FREE CAFFINE FREE DR PEPPER	387395-1
PEPPER FREE	387395-2
ORANGE	387395-3
LEMON LIME	387395-4
GRAPE	387395-5
ROOT BEER	387395-6
DIET DR PEPPER	387395-7
	387395-51

DR PEPPER	P/N
SUGAR FREE DR PEPPER	384171
PEPPER FREE	384171-5
SUGAR FREE DR PEPPER 1984	384171-79
SUGAR FREE CAFFINE FREE DR PEPPER 1984	384171-90
PEPPER FREE 1984	384171-91
DR PEPPER 1984	384171-92
DIET DR PEPPER	384171-93
	384171-144

TRADE STYLE
MEDIUM BUTTON LABELS
2.30 X 7.06

DR PEPPER	P/N
SUGAR FREE DR PEPPER	384077-5
PEPPER FREE	384077-6
SUGAR FREE PEPPER FREE	384077-42
DR PEPPER 1984	384077-43
SUGAR FREE DR PEPPER 1984	384077-49
PEPPER FREE 1984	384077-50
SUGAR FREE CAFFINE FREE DR PEPPER 1984	384077-51
DIET DR PEPPER	384077-52
	384077-98

INTERNATIONAL AND CANADIAN FLAVOR LABELS

87 COKE STYLE SELECTION WINDOW LABELS 1.37 X 3.36

	P/N
COKE C/E C/F	388451-8
DIET COKE C/E	388451-9
DIET COKE C/F	388451-10
SPRITE C/E C/F	388451-11
COKE CLASSIC C/E	388451-32
COKE CLASSICE C/F	388451-33
M/M LEMON LIME SODA C/E C/F	388451-34
MINUTE MAID ORANGE SODA C/E C/F	388451-35
CHERRY COKE C/E	388451-36
CHERRY COKE C/F	388451-37
DIET SPRITE C/E	388451-38
DIET SPRITE C/F	388451-39

PEPSI MAGNUM STYLE BUTTON LABELS 1.50 X 3.31

	P/N
PEPSI (AMERICAN SAUDI)	387037-10
PEPSI (SAUDI ARABIAN)	387037-11
TEEN (SAUDI ARABIAN)	387037-12
MIRINDA	387037-13
MIRINDA (SAUDI)	387037-14
SHANI	387037-15
SHANI (SAUDI)	387037-16

TRADE STYLE SMALL BUTTON LABELS 2.30 X 3.50

	P/N
PEPSI (SAUDI ARABIAN)	384078-8
PEPSI (AMERICAN SAUDI)	384078-9
MIRINDA	384078-10
MIRINDA (SAUDI)	384078-11
SHANI	384078-12
SHANI (SAUDI)	384078-13
TEEN (SAUDI ARABIAN)	384078-14

SMALL BUTTON LABELS 2.30 X 3.50

	P/N		P/N
COCA COLA (INTERNATIONAL)	384171-9	REALGOLD GRAPEFRUIT C/E	384171-48
SPRITE (INTERNATIONAL)	384171-10	REALGOLD ORANGE C/E	384171-49
TAB C/E	384171-11	REALGOLD ORANGE C/F	384171-50
FRESCA (INTERNATIONAL)	384171-12	REALGOLD APPLE C/E	384171-51
COCA COLA (CANADIAN)	384171-13	REALGOLD PAMPLE MOUSSE C/F	384171-52
SPRITE (CANADIAN)	384171-14	REALGOLD POMMES C/F	384171-53
FANTA ORANGE C/F	384171-15	REALGOLD RAISIN C/F	384171-54
FANTA RACINETTE (GRAPE SODA) C/F	384171-16	HI-C RED PUNCH	384171-59
TAB C/F	384171-17	LEMON LIME	384171-69
FRESCA (CANADIAN)	384171-18	MANZANA	384171-70
FANTA ORANGE C/E	384171-33	FRESA STRAWBERRY	384171-71
FANTA RAISIN C/F	384171-34	NARANJA	384171-72
FANTA ROOT BEER C/E	384171-35	UVA	384171-73
FANTA GRAPE C/E	384171-36	FANTA ROOT BEER C/F	384171-81
FANTA GINGER ALE C/F	384171-37	SUGAR FREE SPRITE C/E	384171-82
FANTA GINGER ALE C/E	384171-38	SUGAR FREE SPRITE C/F	384171-83
HI-C GRAPE C/E	384171-39	FRESCA C/F	384171-84
HI-C RAISIN C/F	384171-40	FANTA ORANGE C/E & C/F	384171-87
HI-C ORANGE C/E	384171-41	NESBITT ORANGE C/F	384171-117
HI-C ORANGE C/F	384171-42	ORANGE CRUSH C/F	384171-121
HI-C APPLE C/E	384171-43	STRAWBERRY CRUSH C/F	384171-122
HI-C POMME C/F	384171-44	GRAPE CRUSH C/F	384171-123
HI-C PEACH C/E	384171-45		
HI-C PECHE C/F	384171-46		
REALGOLD GRAPE C/E	384171-47		



TRADE FLAVOR LABELS

PEPSI MANGNUM STYLE BUTTON LABELS 1.50 X 3.31

	P/M		P/M
SEVEN UP	387037-17	BARQ'S ROOT BEER	387037-51
BUBBLE UP	387037-18	DIET BARQ'S ROOT BEER	387037-52
ORANGE CRUSH	387037-19	MESBITT'S STRAWBERRY	387037-53
SCHWEPES GINGER ALE	387037-20	YOONOO CHOCOLATE	387037-54
ON TAP ROOT BEER	387037-21	MUG ROOT BEER	387037-55
SUNKIST	387037-22	DIET ORANGE CRUSH	387037-61
A & W ROOT BEER	387037-23	QUENCH	387037-62
SUGAR FREE A & W ROOT BEER	387037-24	VERNOR'S	387037-63
COUNTRY TIME LEMONADE	387037-30	GINGER ALE	387037-64
SQUIRT	387037-31	APPLE JUICE	387037-65
DIET SQUIRT	387037-32	ORANGE JUICE	387037-66
SUGAR FREE SUNKIST	387037-33	BARREL HEAD ROOT BEER	387037-67
HIRES ROOT BEER	387037-34	CANADA DRY SODA WATER	387037-68
WELCH'S GRAPE	387037-35	CANADA DRY TONIC	387037-69
WELCH'S STRAWBERRY	387037-36	CANADA DRY GINGER ALE	387037-70
FROSTIE ROOT BEER	387037-37	DIET HIRES ROOT BEER	387037-71
DIET SEVEN UP	387037-38	CREAM SODA	387037-72
STRAWBERRY CRUSH	387037-40	SCHWEPES SODA	387037-73
GRAPE CRUSH	387037-41	SCHWEPES TONIC	387037-74
NESTEA	387037-42	WELCH'S APPLE	387037-75
MASON'S ROOT BEER	387037-43	DIET SCHWEPES GINGER ALE	387037-77
HAWAIIAN PUNCH	387037-45	GRAPEFRUIT JUICE	387037-78
DAD'S ROOT BEER	387037-46	SUGAR FREE MUG ROOT BEER	387037-80
LIPTON TEA	387037-47	DIET SUNKIST PLUS	387037-81
MESBITT'S ORANGE	387037-48	ORANGE CRUSH 10% JUICE	387037-90
MUGRAPE	387037-49	GRAPE CRUSH 10% JUICE	387037-91
ICE TEA	387037-50	DIET FROSTY ROOT BEER	387037-92

86 MEDIUM BUTTON 2.30 X 7.06

	P/M		P/M
STRAWBERRY	384077-7	CANADA DRY	384077-53
LEMON LIME	384077-8	SUGAR FREE CANADA DRY	384077-54
GINGER ALE	384077-9	DAD'S ROOT BEER	384077-55
CHERRY	384077-10	BUBBLE UP	384077-56
COLA	384077-11	SQUIRT	384077-59
ROYAL CROWN	384077-12	DIET SQUIRT	384077-60
MEHI ORANGE	384077-13	SUGAR FREE HIRES ROOT BEER	384077-61
MEHI ROOT BEER	384077-14	MOTT'S APPLE CRANBERRY	384077-63
MEHI STRAWBERRY	384077-15	MOTT'S APPLE	384077-64
MEHI GRAPE	384077-16	MOTT'S APPLE GRAPE	384077-65
UPPER 10	384077-17	MOTT'S GRAPEFRUIT	384077-66
DIET RITE COLA	384077-18	MOTT'S ORANGE FRUIT JUICE BLEND	384077-67
SUNKIST	384077-19	ORANGE CRUSH	384077-68
DIET SUNKIST	384077-20	GRAPE CRUSH	384077-69
SEVEN UP	384077-21	STRAWBERRY CRUSH	384077-70
MESBITT'S STRAWBERRY	384077-24	SUGAR FREE RAMBLIN ROOT BEER	384077-71
A & W ROOT BEER	384077-25	HIRES ROOT BEER	384077-72
SUGAR FREE A & W ROOT BEER	384077-26	HAWAIIAN PUNCH	384077-73
SCHWEPES CLUB SODA	384077-28	DIET ORANGE CRUSH	384077-75
SCHWEPES TONIC WATER	384077-29	DIET MUG ROOT BEER	384077-76
SCHWEPES GOLDEN GINGER ALE	384077-30	LIPTON TEA	384077-77
SCHWEPES BITTER LEMON	384077-31	SCHWEPES DIET GINGER ALE	384077-78
DIET COLA	384077-32	MOTT'S APPLE RASBERRY	384077-82
LEMONADE	384077-33	DIET GINGER ALE	384077-88
DOUBLE COLA	384077-34	CHEFFY COKE	384077-89
SUGAR FREE DOUBLE COLA	384077-35	DIET BUBBLE UP	384077-90
DIET SEVEN UP	384077-36	MEHI PEACH	384077-91
LIKE	384077-39	WELCH'S GRAPE	384077-92
SUGAR FREE LIKE	384077-40	CANADA DRY TONIC WATER	384077-93
BARREL HEAD ROOT BEER	384077-41	CHEFFY R.C.	384077-94
SUGAR FREE R.C. 100	384077-44	DIET CHERRY R.C.	384077-96
COUNTRY TIME LEMONADE	384077-45	DIET FROSTY ROOT BEER	384077-97
RAMBLIN ROOT BEER	384077-46	DIET R.C.	384077-99
DIET RITE SUGAR/SALT/CAFFEINE FREE W/ NUTRA SWEET	384077-47	CHERRY CRUSH 10% JUICE	384077-106
R.C. 100	384077-48	CREAM SODA CRUSH	384077-107
		DIET SQUIRT PLUS	384077-113



TRADE FLAVOR LABELS

SMALL BUTTON LABELS
2.30 X 3.50

FROSTIE ROOT BEER	P/N
ORANGE CRUSH	384171-1
SUGAR FREE SEVEN UP	384171-2
STRAWBERRY CRUSH	384171-3
GRAPE CRUSH	384171-4
DIET SEVEN UP	384171-6
SEVEN UP	384171-7
LEMON LIME	384171-8
GINGER ALE	384171-19
SHERRY	384171-20
STRAWBERRY	384171-21
COLA	384171-22
ROYAL CROWN	384171-23
MEHI ORANGE	384171-24
MEHI ROOT BEER	384171-25
MEHI STRAWBERRY	384171-26
MEHI GRAPE	384171-27
UPPER 10	384171-28
DIET RITE COLA	384171-29
SUNKIST	384171-30
DIET SUNKIST	384171-31
A & W ROOT BEER	384171-32
SUGAR FREE A & W ROOT BEER	384171-55
HIRES ROOT BEER	384171-56
CANADA DRY TONIC	384171-57
RONDO	384171-58
SUGAR FREE RONDO	384171-60
CLUB SODA	384171-61
SCHWEPES TONIC WATER	384171-62
SCHWEPES GOLDEN GINGER ALE	384171-63
SCHWEPES BITTER LEMON	384171-64
SCHWEPES GINGER ALE	384171-65
MUG ROOT BEER	384171-66
SUGAR FREE SQUIRT	384171-67
LIKE	384171-68
SUGAR FREE LIKE	384171-76
BARREL HEAD ROOT BEER	384171-77
SUGAR FREE RC-100	384171-78
COUNTRY TIME LEMONADE	384171-79
PINEAPPLE CRUSH	384171-80
RAMBLIN ROOT BEER	384171-85
DIET RITE SUGAR/SALT/CAFFINE FREE	384171-86
W/ NUTRA SWEET	384171-88
CANADA DRY	384171-89
SUGAR FREE CANADA DRY	384171-94
DAD'S ROOT BEER	384171-95
BUBBLE UP	384171-96
MOTT'S APPLE CRANBERRY	384171-97
MOTT'S APPLE	384171-98
MOTT'S APPLE GRAPE	384171-99
MOTT'S GRAPEFRUIT	384171-100

MOTT'S ORANGE FRUIT JUICE BLEND
HAWAIIAN PUNCH
SUGAR FREE RAMBLIN ROOT BEER
SUGAR FREE HIKE ROOT BEER
CREAM CRUSH
COLD MILK
ORANGE DRINK
ORANGE JUICE
R.C. 100
DIET MUG ROOT BEER
SQUIRT
DIET ORANGE CRUSH
SUGAR FREE DAD'S ROOT BEER
BARQ'S ROOT BEER
WELCH'S GRAPE
QUENCH LEMONADE
NESTEA
WELCH'S STRAWBERRY
MOTT'S APPLE RASBERRY
"1" BLACK ON WHITE
"2" BLACK ON WHITE
"3" BLACK ON WHITE
"4" BLACK ON WHITE
"5" BLACK ON WHITE
"6" BLACK ON WHITE
"7" BLACK ON WHITE
"8" BLACK ON WHITE
"9" BLACK ON WHITE
"10" BLACK ON WHITE
DIET BUBBLE UP
SUGAR FREE LIPTON TEA
LEMONADE
CHEFFY F.C.
BLANK
CANADA DRY TAHITIAN TREAT
C PLUS ORANGE
DIET CHERRY R.C.
DIET FROSTY ROOT BEER
DIET SUNKIST PLUS
ICE TEA
DIET R.C.
CHERRY CRUSH 10 % JUICE
HOWDY ORANGE
CHERRY WINE
DIET SQUIRT PLUS
NATURAL SUNKIST
ROOT BEER
DIET ROOT BEER
GRAPE
ORANGE

P/N
384171-102
384171-103
384171-104
384171-105
384171-106
384171-107
384171-108
384171-109
384171-110
384171-111
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384171-148
384171-149
384171-150
384171-151
384171-152
384171-153
384171-154
384171-155
384171-156



DR. PEPPER CENTURY II STYLE BUTTON LABELS
1.72 X 5.30

P/N
387395-11
387395-12
387395-13
387395-14
387395-20
387395-21
387395-23
387395-24
387395-27
387395-28
387395-29
387395-30
387395-31

P/N
387395-32
387395-36
387395-37
387395-38
387395-39
387395-40
387395-41
387395-42
387395-43
387395-44
387395-45
387395-46
387395-47



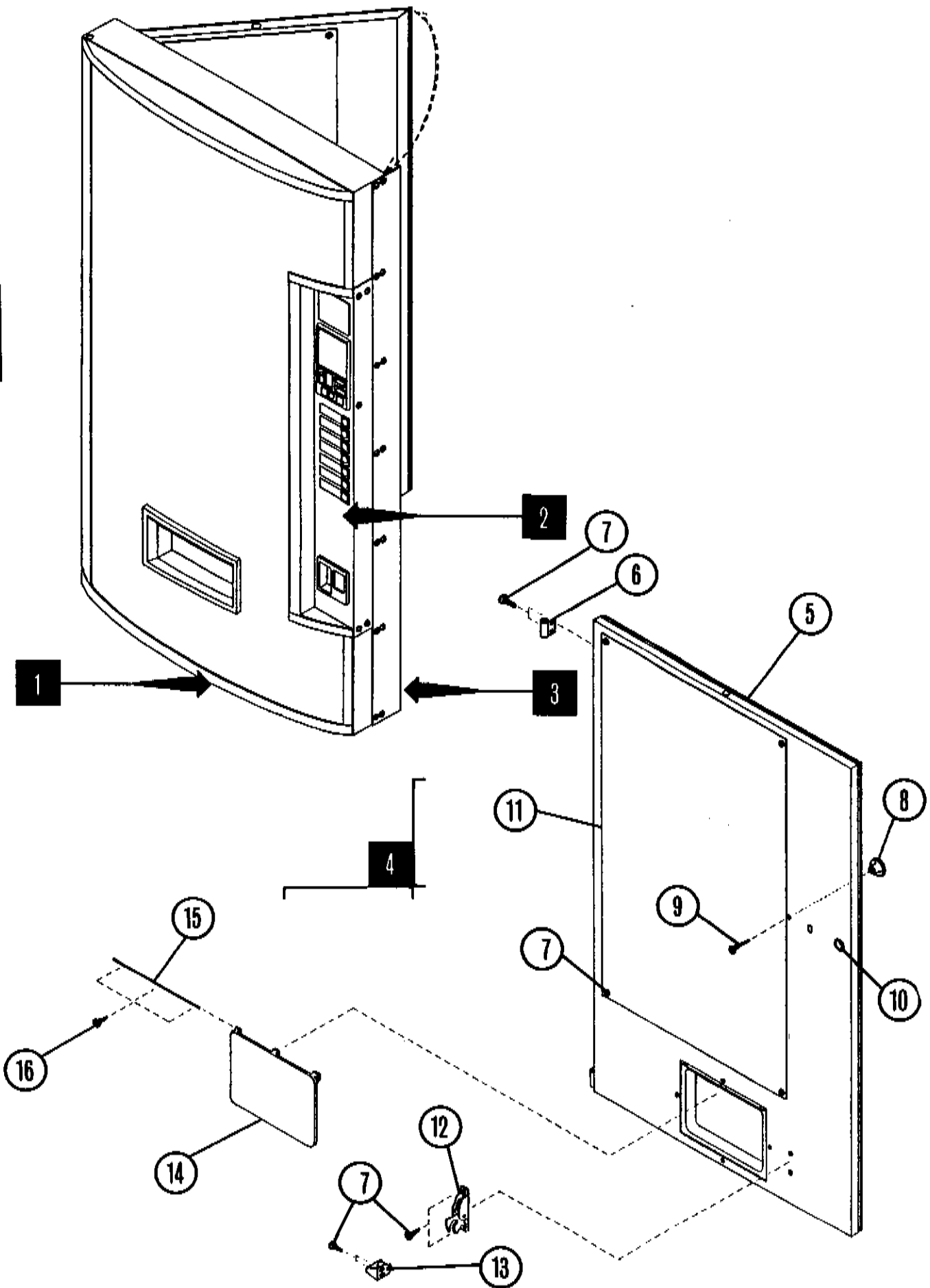
Vendo®

COCA-COLA
SECTION

B

388351-B

B



B1

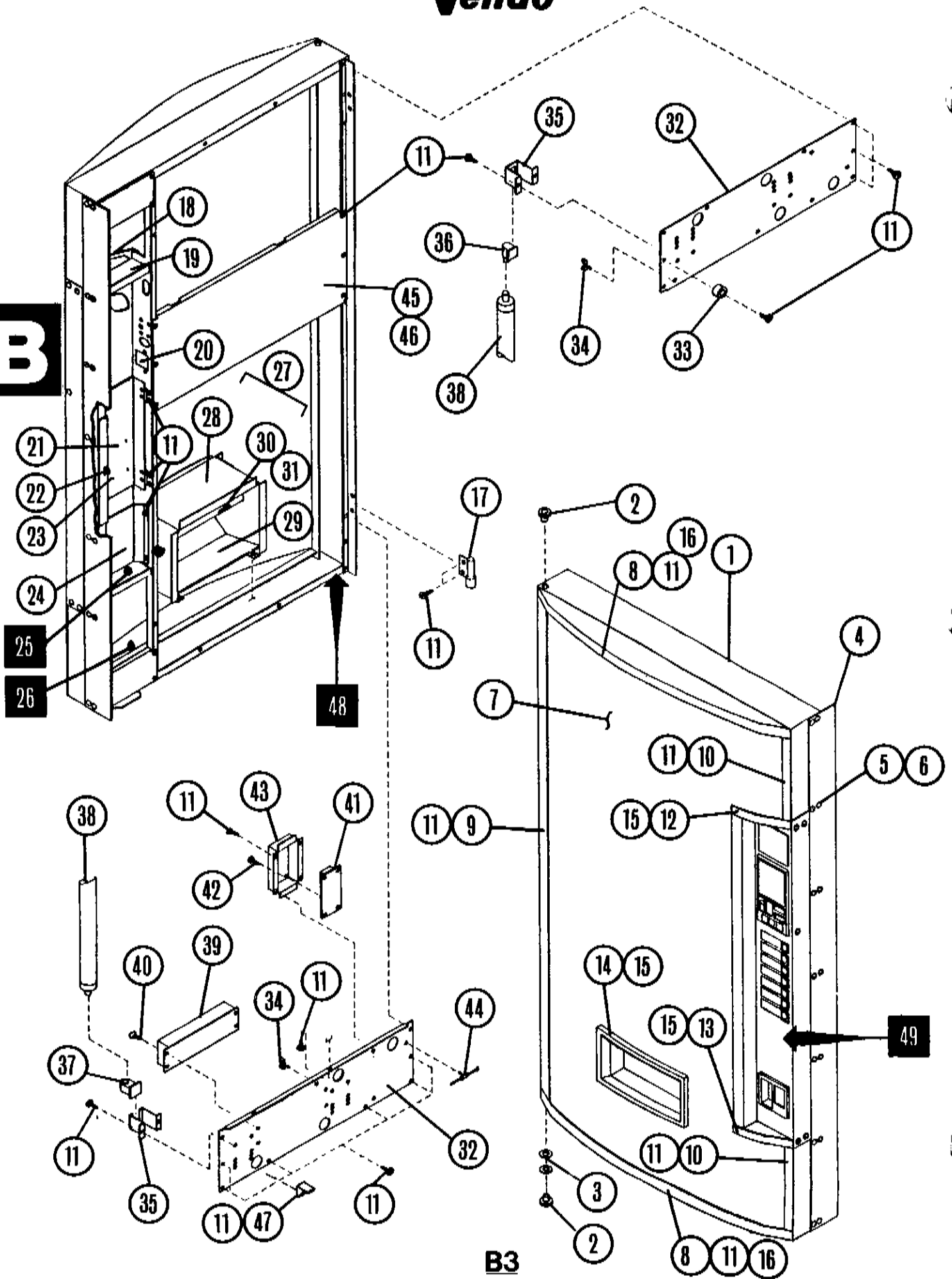
MAIN DOOR - COKE

ITEM NO.	264 PART NUMBER	312 PART NUMBER	345 PART NUMBER	407 PART NUMBER	475 PART NUMBER	NO. REQ.	PART NAME & DESCRIPTION
1	133505-4	133505-3	133505-2	133505-1	133505	1	OUTER DOOR (COKE) - SEE PAGE B3
--	133505-9	133505-8	133505-7	133505-6	133505-5	1	OUTER DOOR (DIET COKE) - SEE PAGE B3
2	133506	133506	133506-1	133506-1	133506-1	1	CONTROL PANEL - SEE PAGE B5
3	133390	133390	133391	133391	133391	1	DOOR HARNESS - SEE PAGE B7
4	133434-4	133434-3	133434-2	133434-1	133434	1	INNER DOOR ASSEMBLY
5	133438-4	133438-3	133438-2	133438-1	133438	1	INNER DOOR PANEL ASSEMBLY
6	388148	388148	388148	388148	388148	2	HINGE - INNER DOOR
7	V801489	V801489	V801489	V801489	V801489	AR	SELF-DRILL SCREW
8	388305	388305	388305	388305	388305	1	DOOR HANDLE
9	V329258	V329258	V329258	V329258	V329258	1	CARRIAGE BOLT - HANDLE
10	388090	388090	388090	388090	388090	2	GROMMET
11	388427-2	388427-3	388427-4	388427-5	388427-6	1	REFLECTOR
12	388435	388435	388435	388435	388435	1	LATCH MECHANISM
13	388433	388433	388433	388433	388433	1	STRIKE (ON OUTER DOOR)
14	387270	387270	387270	387270	387270	1	DELIVERY EYELET DOOR
15	46122-2	46122-2	46122-2	46122-2	46122-2	1	HINGE PIN
16	V800570	V800570	V800570	V800570	V800570	3	TAPPING SCREW - PIN

* NOTE: FOR LABELS AND DECALS - SEE PAGE A6

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OUTER DOOR - COKE

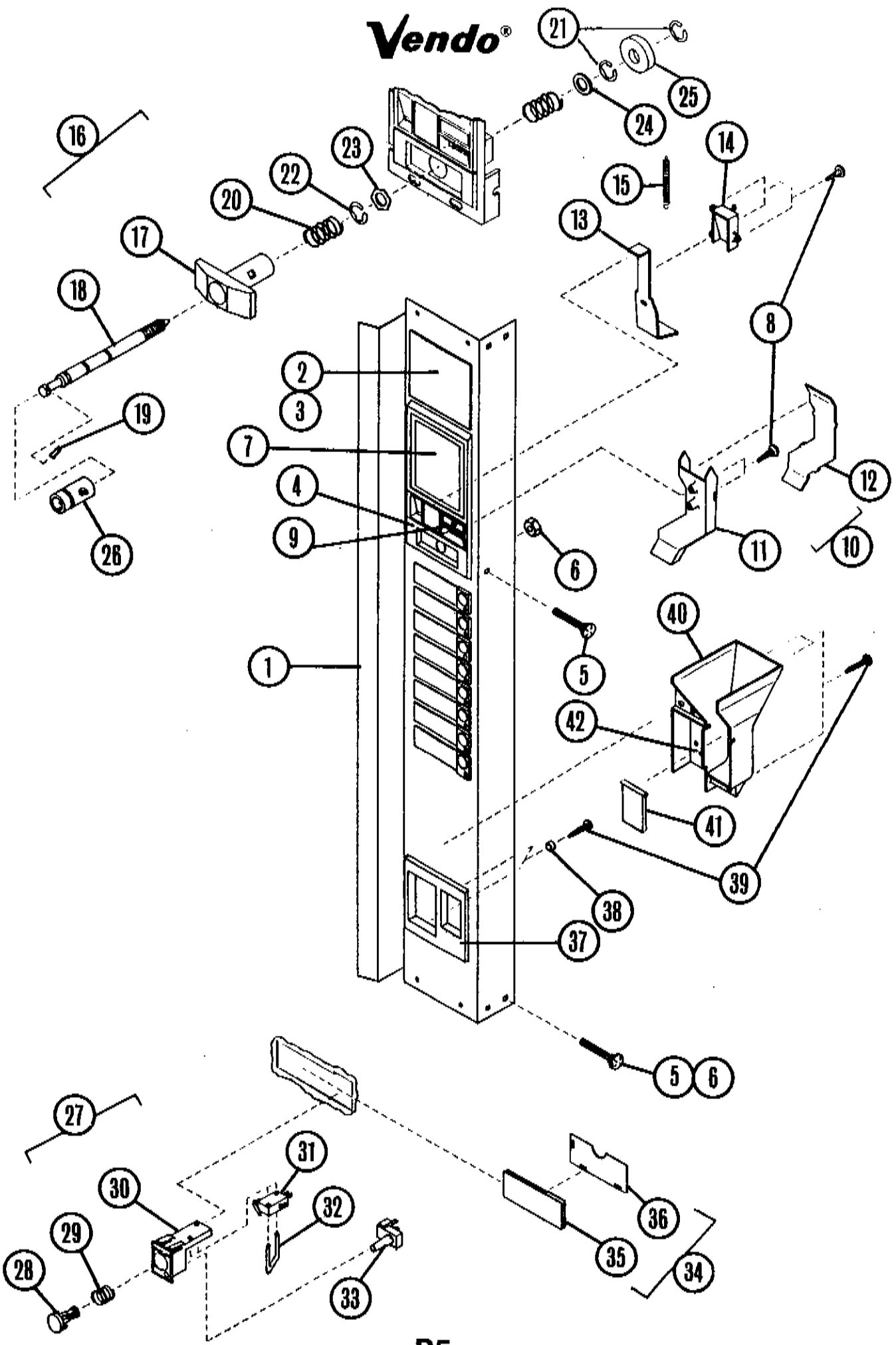
ITEM NO.	264 PART NUMBER	312 PART NUMBER	345 PART NUMBER	407 PART NUMBER	475 PART NUMBER	NO. REQ.	PART NAME & DESCRIPTION
--	133505-4	133505-3	133505-2	133505-1	133505	1	OUTER DOOR ASSEMBLY - COKE
--	133505-9	133505-8	133505-7	133505-6	133505-5	1	OUTER DOOR ASSEMBLY - DIET COKE
1	133432-4	133432-3	133432-2	133432-1	133432	1	DOOR FRAME WELD
2	388094	388094	388094	388094	388094	2	BUSHING - DOOR
3	V801491	V801491	V801491	V801491	V801491	2	FLAT WASHER
4	133433-2	133433-1	133433-2	133433-1	133433	1	DOOR GUARD - COKE
--	133433-5	133433-4	133433-5	133433-4	133433-3	1	DOOR GUARD - DIET COKE
5	V801434	V801434	V801434	V801434	V801434	AR	CARRIAGE BOLT
6	V800959	V800959	V800959	V800959	V800959	AR	HEX NUT / LOCKWASHER
7	388114-4	388114-3	388114-2	388114-1	388114	1	SIGN FACE - COKE
--	388450-4	388450-3	388450-2	388450-1	388450	1	SIGN FACE - DIET COKE
8	388122	388122	388121	388121	388121	2	SIGN CAP - TOP/BOTTOM
9	388125-4	388125-2	388125-4	388125-2	388125	1	SIGN FRAME - LEFT
10	388125-5	388125-3	388125-5	388125-3	388125-1	2	SIGN FRAME - RIGHT
11	V801489	V801489	V801489	V801489	V801489	AR	SELF DRILL SCREW (#10-16)
12	388139	388139	388139	388139	388139	1	SIGN CAP - CONTROL PANEL TOP
13	388140	388140	388140	388140	388140	1	SIGN CAP - CONTROL PANEL BOTTOM
14	388271	388271	388271	388271	388271	1	EYELET TRIM
15	V801493	V801493	V801493	V801493	V801493	AR	TAPPING SCREW
16	388309	388309	388308	388308	388308	2	REFLECTOR - SIGN CAP
17	388149	388149	388149	388149	388149	2	HINGE BRACKET - INNER DOOR
18	388107	388107	388107	388107	388107	1	SIGN RETAINER - CONTROL PANEL
19	388119	388119	388119	388119	388119	2	BULKHEAD
20	353343	353343	353343	353343	353343	1	CREDIT RELAY
21	133435	133435	133435	133435	133435	1	COINAGE DOOR RIVET ASSEMBLY
22	388123	388123	388123	388123	388123	1	LATCH - COINAGE DOOR
23	V800762	V800762	V800762	V800762	V800762	3	SCREW - COINAGE
24	388244	388244	388244	388244	388244	1	BARRIER PANEL
25	133563	133563	133563	133563	133563	1	COIN BOX (NOT SHOWN)
26	133552	133552	133552	133552	133552	1	CROWN BOX (NOT SHOWN)
27	133436	133436	133436	133436	133436	1	DELIVERY HOPPER ASSEMBLY
28	133437	133437	133437	133437	133437	1	SHELL RIVET ASSEMBLY
29	388134	388134	388134	388134	388134	1	HOPPER BOTTOM
30	388312	388312	388312	388312	388312	1	DOOR ROD
31	388424	388424	388424	388424	388424	2	RETAINER - ROD
32	388118	388118	388117	388117	388117	2	SHEAR PANEL - TOP/BOTTOM
33	369466-2	369466-2	369466-2	369466-2	369466-2	2	BUMPER - DOOR
34	384692	384692	384692	384692	384692	3	HARNESSE CLIP
35	388409	388409	388409	388409	388409	4	BRACKET - LAMPHOLDER
36	388260	388260	388407	388407	388407	2	LAMPHOLDER - PLUNGER
37	388261	388261	388406	388406	388406	2	LAMPHOLDER - FIXED
38	388320-2	388320-1	388408-2	388408-1	388408	2	FLUORESCENT LAMP - SINGLE PIN
39	388259	388259	388405	388405	388405	1	BALLAST - LAMP
40	V801421	V801421	V801421	V801421	V801421	4	TAPPING SCREW - BALLAST
41	388368	388368	388368	388368	388368	1	E.S. BOARD (2D)
42	V800058	V800058	V800058	V800058	V800058	4	MACHINE SCREW - BOARD
43	388369	388369	388369	388369	388369	1	COVER - BOARD
44	388359	388359	388359	388359	388359	2	HARNESSE TIE
45	388326	388326	388295	388295	388295	1	MIDDLE SHEAR PANEL
46	388428	388428	388428-1	388428-1	388428-1	1	REFLECTOR - PANEL
47	388367	388367	388367	388367	388367	1	RAMP - INNER DOOR
48	133390	133390	133391	133391	133391	1	DOOR HARNESSE - SEE PAGE B7
49	133506	133506	133506-1	133506-1	133506-1	1	CONTROL PANEL - SEE PAGE B5

*NOTE: FOR LABELS AND DECALS - SEE PAGE A6

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Vendo®

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B5

CONTROL PANEL - COKE

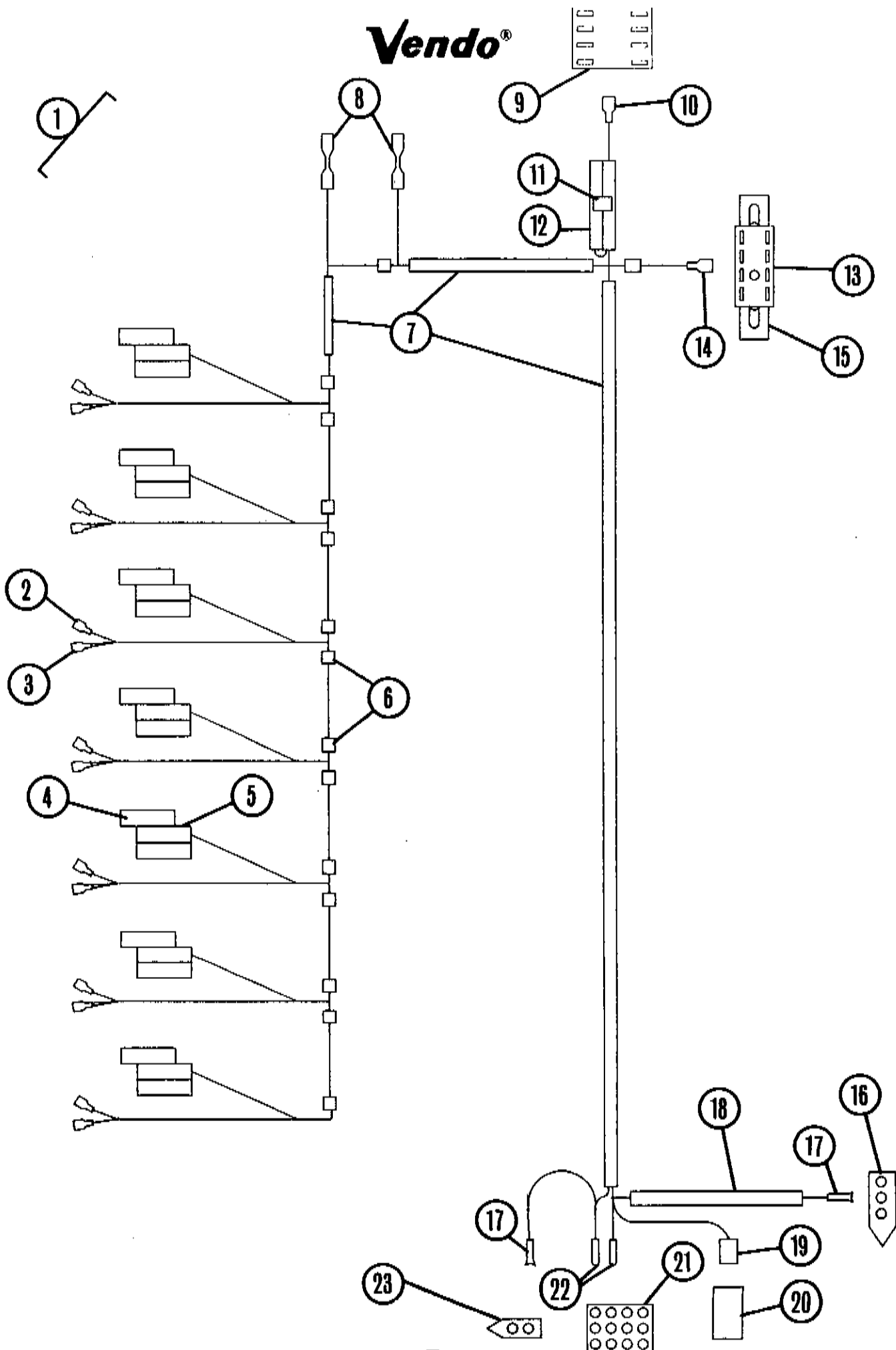
ITEM NO.	PART NUMBER	NO. REQ.	PART NAME & DESCRIPTION
--	133506	1	CONTROL PANEL ASSEMBLY - 6 SELECT
--	133506-1	1	CONTROL PANEL ASSEMBLY - 7 SELECT
1	133427	1	CONTROL PANEL - 6 SELECT
-	133427-1	1	CONTROL PANEL - 7 SELECT
2	388130	1	'POINT OF SALE' WINDOW
3	V800956	2	HEX NUT
4	388214	1	COIN INSERT CASTING
5	V801434	5	CARRIAGE BOLT
6	V800959	9	HEX NUT
7	388216	1	VALIDATOR PLUG
8	V801475	9	TAPPING SCREW
9	387124	1	CORRECT CHANGE LAMP
10	133428	1	COIN INSERT CHUTE ASSEMBLY
11	388217	1	COIN INSERT CHUTE
12	388218	1	COVER - CHUTE
13	388219	1	SCAVENGER LEVER
14	388220	1	RETAINER - LEVER
15	385786	1	SPRING - LEVER
16	133461	1	LOCK ASSEMBLY
17	387603	1	'T' HANDLE
18	388131	1	LOCKING STUD (BOLT)
19	387601	1	PIN - STUD
20	387598	2	SPRING
21	387719	2	'E' RING RETAINER
22	388589	1	'E' RING RETAINER
23	387600	1	HEX WASHER
24	387718	2	FLAT WASHER
25	388132	1	VAPOR SEAL
26	368688	1	FLEX-ACE LOCK
--	346118	1	KEY - SPECIFY KEY NUMBER
27	133430	AR	SELECTION BUTTON ASSEMBLY
28	388250	1	SELECTION BUTTON
29	388286	1	SPRING
30	388388	1	BUTTON HOUSING
31	388287	1	SELECTION SWITCH
32	388297	1	RETAINER - SWITCH
33	388277	1	SOLD-OUT LAMP
34	133431	AR	SELECTION WINDOW ASSEMBLY
35	388223	1	WINDOW
36	388116	1	BACK - WINDOW
37	388110	1	COIN RETURN TRIM
38	337241	2	CUP WASHER - TRIM
39	V801493	5	TAPPING SCREW - COIN RETURN
40	388111	1	CUP - COIN RETURN/CROWN PULLER
41	388227	1	COIN RETURN DOOR
42	388455	1	CROWN BLOCKER

*NOTES: FOR FLAVOR LABELS - SEE PAGE A8
FOR LABELS AND DECALS - SEE PAGE A6

B

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B



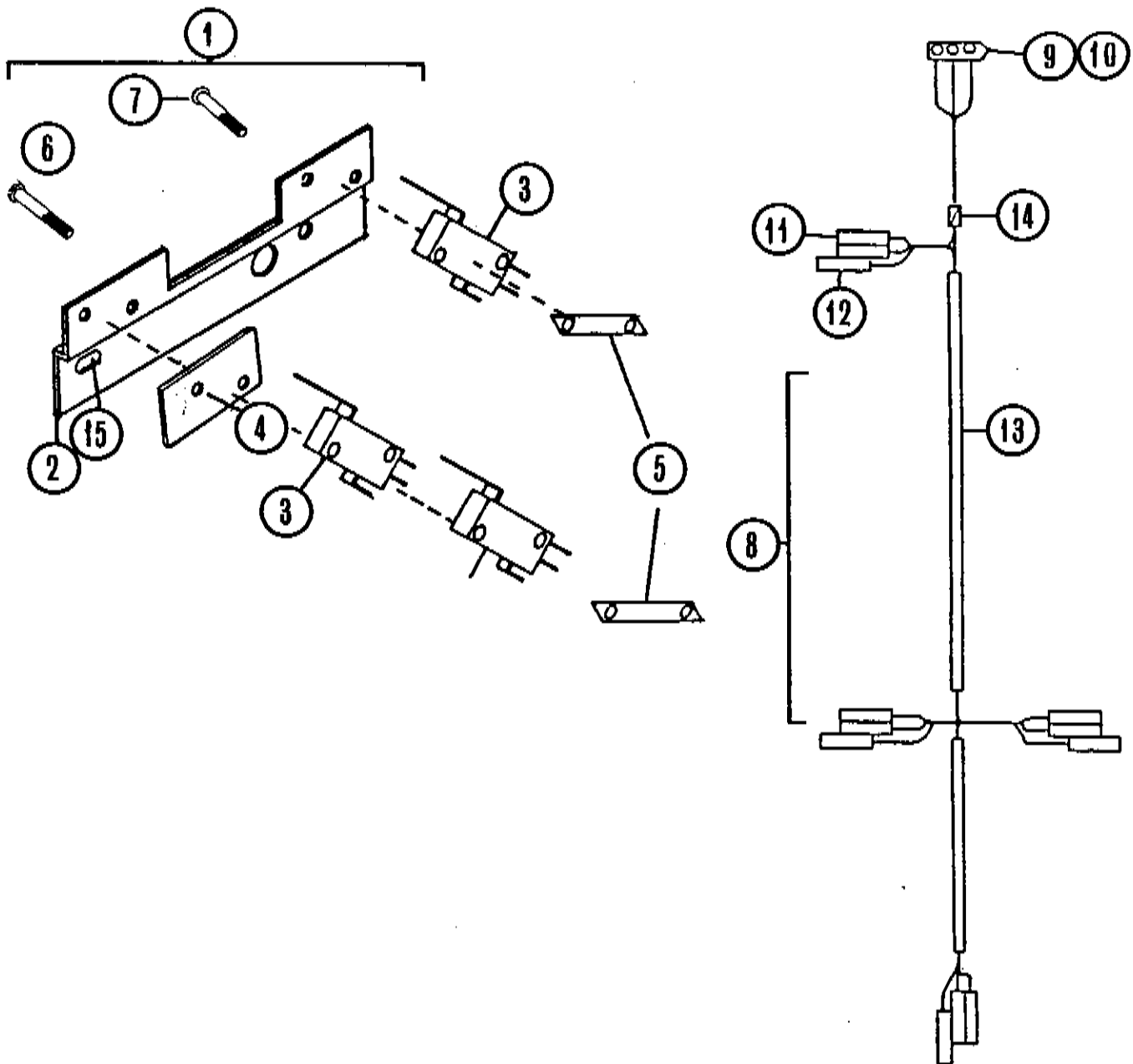
B7

DOOR HARNESS¹ - COKE

ITEM NO.	6 SELECT PART NUMBER	7 SELECT PART NUMBER	NO. REQ.	PART NAME & DESCRIPTION
1	133390	133391	1	DOOR HARNESS ASSEMBLY
2	384186	384186	AR	TERMINAL (SINGLE WIRE)
3	384184	384184	AR	TERMINAL (DUAL WIRE)
4	336138	336138	AR	TERMINAL
5	384190	384190	AR	COVER - TRIPLE TERMINAL
6	VM5104-8	VM5104-8	AR	ELECTRICAL TAPE
7	V801166	V801166	AR	PLASTIC TUBING
8	387126	387126	2	INSULATED TERMINAL
9	365619	365619	1	RECEPTACLE - CREDIT RELAY
10	360805-1	360805-1	7	TERMINAL - RELAY
11	V801165	V801165	AR	PLASTIC TUBING
12	V801161	V801161	AR	PLASTIC TUBING
13	327254	327254	1	RECEPTACLE - COINAGE
14	327060	327060	6	TERMINAL - COINAGE
15	388331	388331	2	BRACKET - RECEPTACLE
16	345734	345734	1	RECEPTACLE - E.S. BOARD
17	320195	320195	5	TERMINAL - FEMALE
18	V801162	V801162	AR	PLASTIC TUBING
19	321093	321093	1	TERMINAL - E.M.S.
20	321096	321096	1	COVER - E.M.S.
21	345003	345749	1	PLUG - DOOR HARNESS
22	320196	320196	AR	TERMINAL - MALE
23	345008	345008	2	RECEPTACLE - 2 TERMINAL

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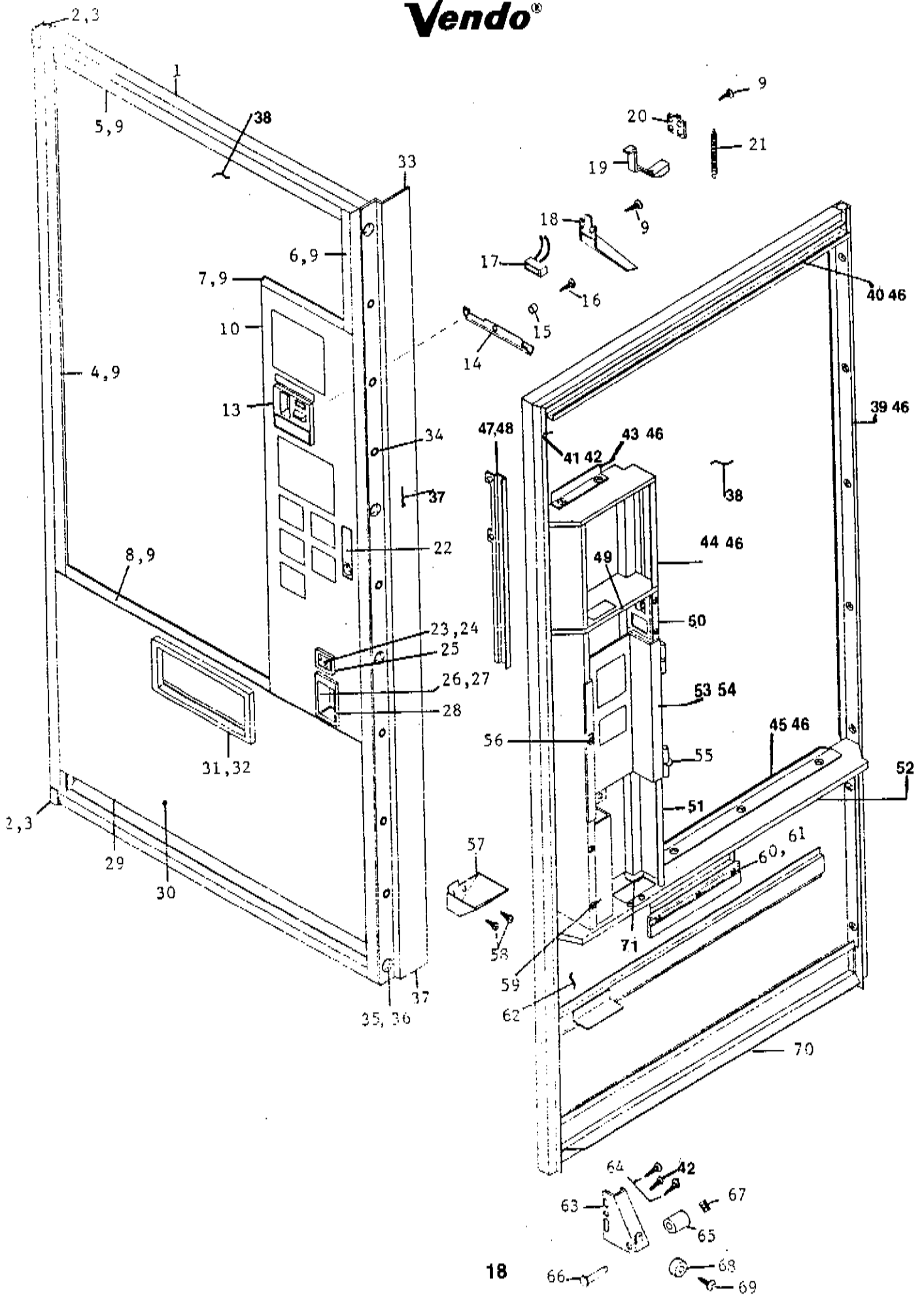
B



SEQUENCER ASSEMBLY - QUICK VEND

ITEM NO.	PART NUMBER	NO. REQ.	PART NAME & DESCRIPTION
1	132894	1	SEQUENCER ASSEMBLY
2	387370	1	BRACKET - SEQUENCER
3	387372	3	SWITCH - SEQUENCER
4	340025-3	2	INSULATOR - SWITCH
5	337588-1	2	SPEED NUT
6	V384341	2	SCREW (DUAL SWITCHES)
7	V800745	2	SCREW - (SINGLE SWITCHES)
8	131166-1	1	SEQUENCER HARNESS
9	345733-1	1	PLUG - 3 TERMINAL
10	320196	3	TERMINAL - MALE
11	360805	4	TRIPLE TERMINAL
12	360806	4	COVER - TRIPLE TERMINAL
13	V801161	AR	PLASTIC SLEEVING
14	VM5104-8	AR	ELECTRICAL TAPE
15	V800639	2	TAPPING SCREW - SEQUENCER ASSEMBLY

B

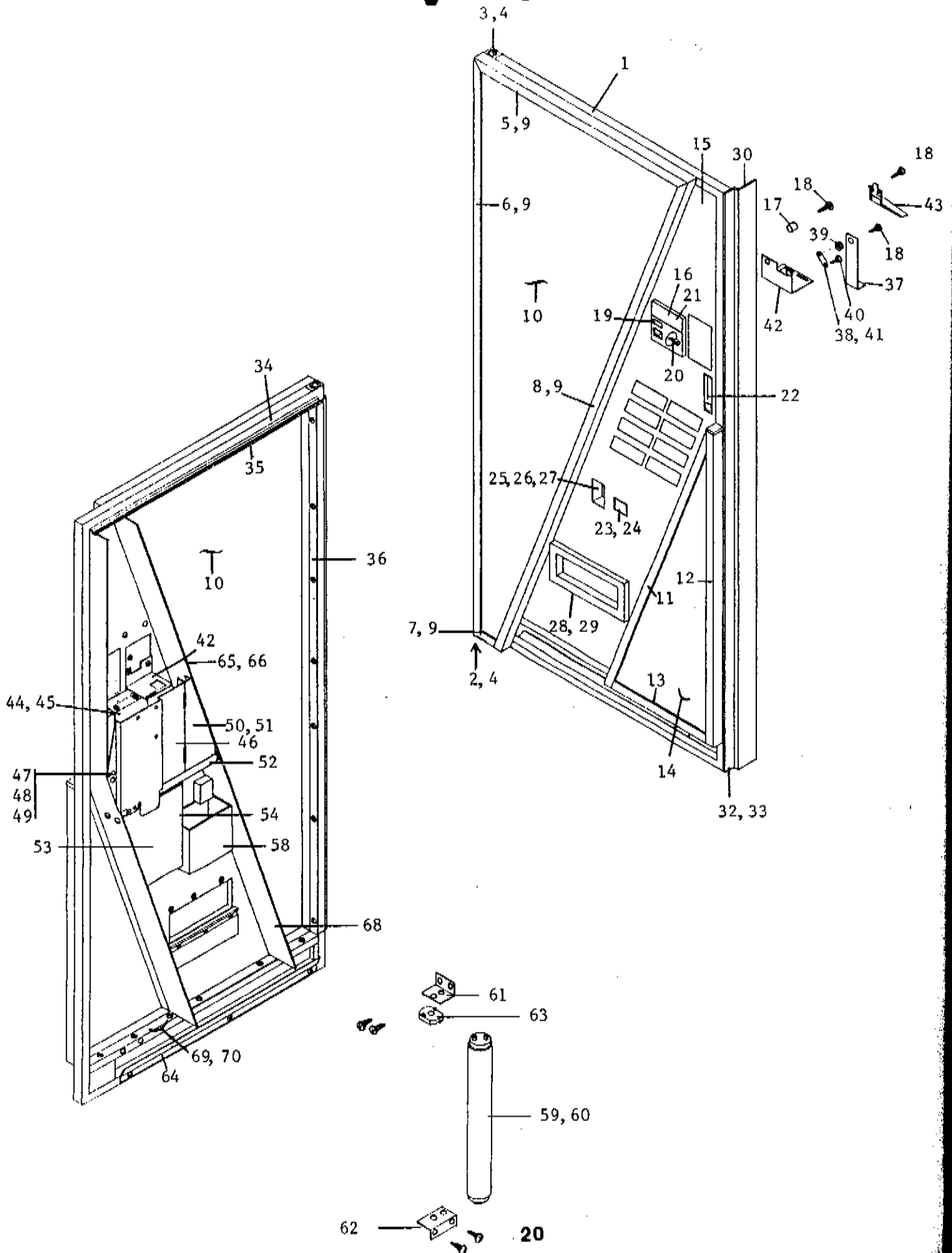


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OUTER DOOR - DR. PEPPER

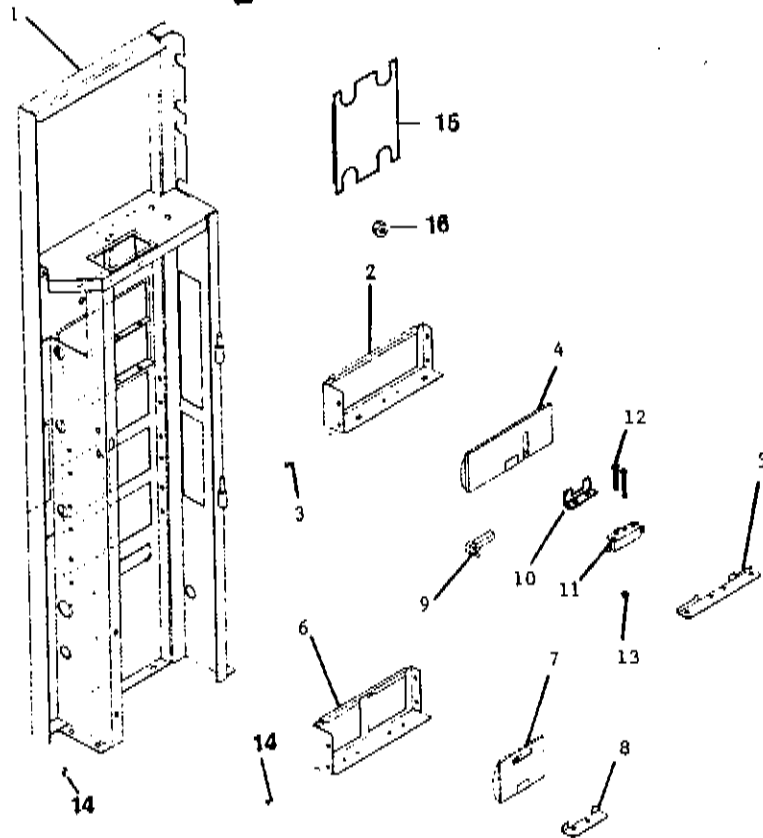
ITEM NO.	264 PART NO.	312 PART NO.	577 PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
1	131924-10	131924-12	131924-14	1	DOOR FRAME WELD
2	383616	383616	383616	1	HINGE PIN CASTING - BOTTOM
-	383616-1	383616-1	383616-1	1	HINGE PIN CASTING - TOP
3	V801418	V801418	V801418	4	RIVET - HINGE CASTING
4	383907-2	383907-29	383907	1	SIGN FRAME - LEFT SIDE
5	384031	384031	383906-2	1	SIGN FRAME - TOP
6	-	-	383903	1	SIGN FRAME - RIGHT SIDE (TOP)
7	-	-	385011	1	SIGN FRAME - CONTROL PANEL TOP
8	383891	383891	383891-2	1	SIGN FRAME - BOTTOM
9	V801422	V801422	V801422	A/R	TAPPING SCREW
10	132828-8	132828-16	132828-33	1	CONTROL PANEL(MED BUT)SEE PAGE 22
11	369466	369466	369466	1	BUMPER
12	384869	384869	384869	1	WASHER - BUMPER
13	385047	385047	385047	1	COIN INSERT CASTING
14	385339	385339	385339	1	RAIN TROUGH - CONTROL PANEL
15	337241-1	337241-1	337241-1	3	CUP WASHER (COIN INSERT)
16	V801423	V801423	V801423	3	TAPPING SCREW (COIN INSERT)
17	124435	124435	124435	1	LAMP - CORRECT CHANGE
18	131861	131861	131861	1	COIN (INSERT) CHUTE WELD
19	385325	385325	385325	1	LEVER - COIN RETURN
20	385265	385265	385265	1	RETAINER - LEVER
21	385786	385786	385786	1	SPRING - LEVER
22	132838-1	132838-1	132838-1	1	DOOR LATCH ASSEMBLY
23	320934-1	320934-1	320934-1	1	DOOR - COIN RETURN
24	320935	320935	320935	1	PIN - DOOR (COIN RETURN)
25	320932	320932	320932	1	TRIM - COIN RETURN
26	31700	31700	31700	1	CROWN PULLER
-	383777	383777	383777	1	SPACER - CROWN PULLER
27	V800525	V800525	V800525	3	TAPPING SCREW - CROWN PULLER
28	356467-2	356467-2	356467-2	1	TRIM - CROWN PULLER
29	131909-3	131909-3	131909-5	1	LOWER DOOR PANEL WELD ASSEMBLY
30	-	-	-	1	VINYL - SEE PAGE 152
31	387125	387125	387125	1	TRIM - EYELET
32	V800774	V800774	V800774	A/R	TAPPING SCREW - EYELET
33	383102-21	383102-21	383102-21	1	DOOR GUARD
34	383118	383118	383118	A/R	DRIVE RIVET - DOOR GUARD
35	V801436	V801436	V801436	4	SQUARE NECK BOLT
36	V800947	V800947	V800947	4	NUT & LOCKWASHER ASSEMBL
37	384223	384223	384223	6	NEOPRENE TAPE (1/8 INCHES)
38	385952	385952-2	385952-6	1	SIGN FACE - DR. PEPPER
39	383921-2	383921-4	383921	1	SIGN RETAINER - LEFT SIDE
40	383909	383909	383909-2	1	SIGN RETAINER - TOP
41	-	-	383908	1	SIGN RETAINER - RIGHT SIDE (TOP)
42	V342624	V342624	V342624	A/R	SELF TAPPING SCREW
43	-	-	383915	1	SIGN RETAINER-CONTROL PANEL TOP
44	385044-1	385044-2	385044-3	1	SIGN RETAINER-R.SIDE(CNTL PNL)
45	383953	383953	383953-2	1	SIGN RETAINER - BOTTOM
46	V800503	V800503	V800503	A/R	TAPPING SCREW
47	384291	384291	384291	1	RAIN TROUGH - DOOR
48	V801421	V801421	V801421	A/R	TAPPING SCREW
49	385041	385041	385041	1	TIE - COIN HARNESS
50	387642	387642	387642	1	BRACKET - COIN CONNECTOR/RELAY
51	324099-6	324099-6	324099-6	1	CLAMP - DOOR HARNESS
52	324099-13	324099-13	324099-13	1	CLAMP - DOOR HARNESS
53	131858	131858	131858	1	COINAGE PANEL WELD
54	V800762	V800762	V800762	3	TAPPING SCREW
55	384279	384279	384279	1	STOP - COINAGE DOOR
56	379407-2	379407-2	379407-2	1	LATCH - COINAGE DOOR
57	385002	385002	385002	1	COIN RETURN CHUTE
58	V800787	V800787	V800787	2	TAPPING SCREW - COIN CHUTE
59	384022	384022	384022	1	BAFFLE - SECURITY
60	384335	384335	384335	1	BUMPER - EYELET
61	384552	384552	384552	1	RETAINER - BUMPER
62	320943	320943	320943	1	CROWN BOX
63	382958	382958	382958	1	ROLLER BRACKET - DOOR
64	V801312	V801312	V801312	2	TAPPING SCREW - ROLLER DOOR
65	368656	368656	368656	1	ROLLER - DOOR
66	368657	368657	368657	1	PIN - ROLLER
67	V801368	V801368	V801368	1	RETAINER - PIN
68	369466	369466	369466	1	BUMPER - DOOR
69	V800498	V800498	V800498	1	TAPPING SCREW - BUMPER
70	385494	385494-1	385494-2	1	DEFLECTOR (BOTTOM DOOR FRAME)
71	131548	131548	131548	1	COIN BOX

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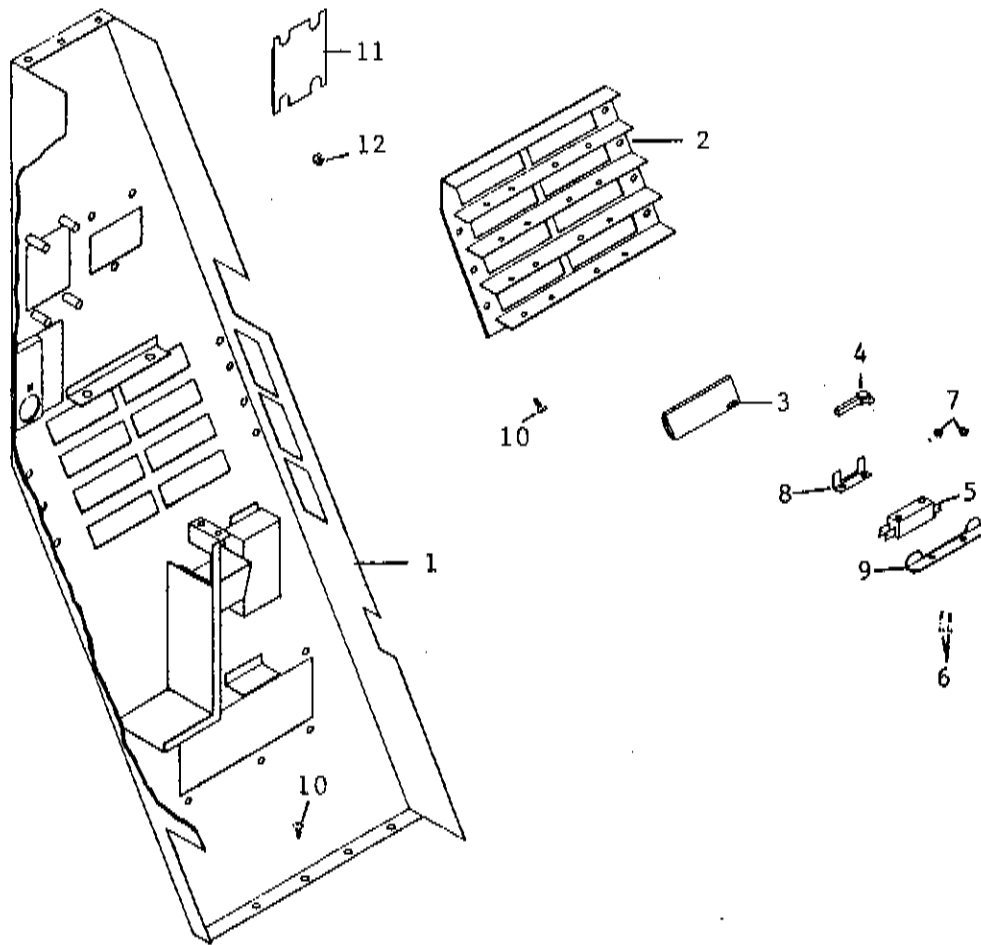
OUTER DOOR - DR. PEPPER "CENTURY II"

ITEM NO.	345 PART NO.	407 PART NO.	475 PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
1	132256-6	132256-4	132256-5	1	DOOR FRAME WELD
2	383616	383616	383616	1	HINGE PIN CASTING - BOTTOM
3	383616-1	383616-1	383616-1	1	HINGE PIN CASTING - TOP
4	V801418	V801418	V801418	4	RIVET - HINGE
5	387360-2	387360-1	387360	1	SIGN TRIM - TOP
6	387359-2	387359-1	387359	1	SIGN TRIM - LEFT SIDE
7	387358	387358	387358	1	SIGN TRIM - BOTTOM (LEFT)
8	387357-2	387357-1	387357	1	SIGN TRIM - CONTROL PANEL/LEFT
9	V801422	V801422	V801422	A/R	TAPPING SCREW
10	387364	387364-1	387364-2	1	SIGN FACE - DR. PEPPER
11	387354	387354	387354	1	SIGN TRIM - CONTROL PANEL (RIGHT)
12	387356	387356	387356	1	SIGN TRIM - RIGHT SIDE
13	387355	387355	387355	1	SIGN TRIM - BOTTOM (RIGHT)
14	387365	387365	387365	1	SIGN PANEL
15	132871-3	132871-7	132871-11	1	CONTROL PANEL WELD
16	385999-2	385999-2	385999-2	1	COIN INSERT CASTING
17	337241-1	337241-1	337241-1	4	CUP WASHER
18	V800788	V800788	V800788	6	TAPPING SCREW - INSERT/CHUTE
19	387124	387124	387124	1	CORRECT CHANGE LAMP
20	385978	385978	395378	1	LEVER - COIN RETURN
21	387028	387028	387028	1	INSTRUCTION DECAL
22	132838-2	132838-2	132838-2	1	DOOR LATCH ASSEMBLY
23	320934-1	320934-1	320934-1	1	COIN RETURN DOOR
24	320935	320935	020935	1	PIN - DOOR
25	31700	31700	31700	1	CROWN PULLER
26	383777	383777	383777	1	SPACER - CROWN PULLER
27	V801419	V801419	V801419	3	TAPPING SCREW - CROWN PULLER
28	387125	387125	387125	1	TRIM - EYELET
29	V800774	V800774	V800774	3	TAPPING SCREW - EYELET
30	383102-20	383102-22	383102-21	1	DOOR GUARD
31	313118	313118	383118	A/R	RIVET - DOOR GUARD
32	V801436	V801436	V801346	A/R	CARRIAGE BOLT - DOOR GUARD
33	V800947	V800947	V800947	A/R	HEX NUT & LOCKWASHER
34	387038-3	387038-3	387038-3	1	GASKET - OUTER DOOR
35	387090	387090	387090	1	RAIN GUTTER
36	387363-2	387363-1	387363	1	BRACKET - DOOR
37	385985	385985	385985	1	SCAVENGER ARM
38	385603-2	385603-2	385603-2	1	BEARING ARM
39	321720	321720	321720	1	SPRING - ARM
40	V800696	V800696	V800696	2	TAPPING SCREW - ARM
41	387336	387336	387336	1	SCAVENGER LEVER
42	387337	387337	387337	1	BRACKET - LEVER
43	132889	132889	132889	1	COIN INSERT CHUTE
44	387412	387412	387412	1	BARRIER PANEL - COINAGE
45	V800548	V800548	V800548	A/R	TAPPING SCREW
46	387348	387348	387348	1	COINAGE DOOR
47	387344	387344	387344	1	LATCH - COINAGE DOOR
48	V800248	V800248	V800248	1	MACHINE SCREW - LATCH
49	V800886	V800886	V800886	1	LOCK NUT - LATCH
50	387347	387347	387347	1	BRACKET (HINGE)-COINAGE DOOR
51	V801421	V801421	V801421	A/R	TAPPING SCREW
52	132870	132870	132870	1	BULKHEAD - DOOR
53	132867	132867	132867	1	COIN BOX
54	132866	132866	132866	1	COIN RETURN CHUTE
55	384335	384335	384335	1	BUMPER - EYELET
56	384552	384552	384552	1	RETAINER - BUMPER
57	V800775	V800775	V800775	3	TAPPING SCREW - BUMPER
58	132888	132888	132888	1	CROWN BOX
59	384161	384161	384161	1	FLUORESCENT LIGHT (33")
60	384166-3	384166-3	384166-3	1	GUARD - LIGHT
61	387199-1	387199-1	387199-1	1	BRACKET - UPPER
62	387403	387403	387403	1	BRACKET - LOWER
63	387122	387122	387122	2	LAMP HOLDER - LIGHT
64	387021-1	387021-1	387021-1	1	DEFLECTOR - DOOR
65	387375	387375	387375	1	BRACKET - RECEPTACLE
66	V800638	V800638	V800638	4	TAPPING SCREW - BRACKET
67	353343	353343	353343	1	CREDIT RELAY
68	324099-13	324099-13	324099-13	5	CLAMP - HARNESS
69	132907-1	132907-1	132907-1	1	LIGHT HARNESS - OUTER DOOR
70	324099-2	324099-2	324099-2	4	CLAMP HARNESS



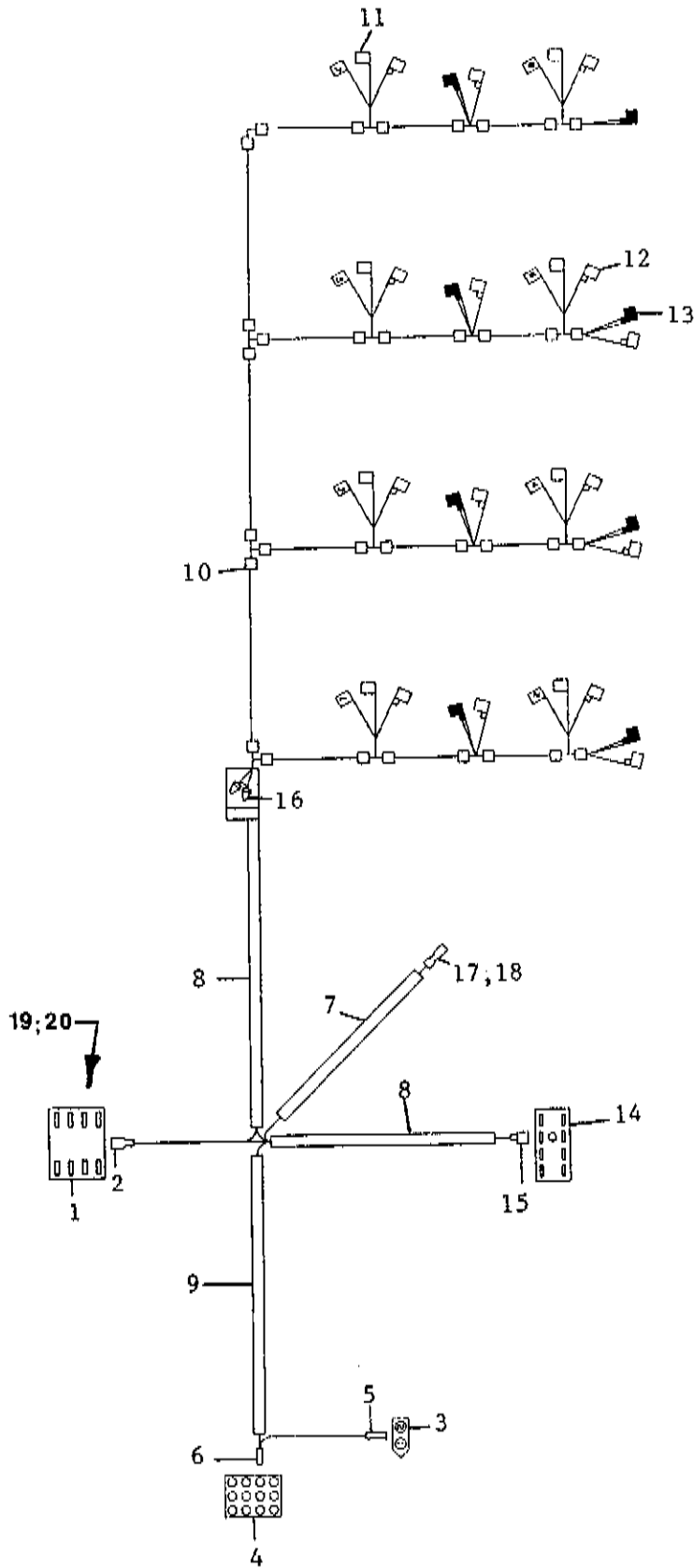
CONTROL PANEL - DR. PEPPER

ITEM NO.	PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
1	132828-8	1	CONTROL PANEL WELD - 264
-	132828-16	1	CONTROL PANEL WELD - 312
-	132828-33	1	CONTROL PANEL WELD - 577
2	385329-1	A/R	SWITCH BRACKET - MEDIUM BUTTON
3	V800639	A/R	TAPPING SCREW - BRACKET
4	385954	1	SELECTION BUTTON - MEDIUM (DR PEPPER)
-	385955	1	SELECTION BUTTON - MEDIUM (SF-DR PEPPER)
-	370840-1	A/R	SELECTION BUTTON - MEDIUM (NO LABEL)
5	385465	A/R	STOP - MEDIUM BUTTON
6	385329-1	A/R	SWITCH BRACKET - SMALL BUTTON
7	370941-1	A/R	SELECTION BUTTON - SMALL (NO LABEL)
8	385466	A/R	STOP - SMALL BUTTON
9	383991	A/R	SOLD - OUT LAMP
10	385878	A/R	LEAF SPRING - BUTTON
11	385440	A/R	SWITCH - BUTTON
12	V800337	A/R	MACHINE SCREW - SWITCH
13	V800955	A/R	NUT - SCREW
14	V801422	A/R	TAPPING SCREW
15	132964	1	FILLER PLATE
16	V800456	4	NUT W/LOCKWASHER



CONTROL PANEL - DR. PEPPER "CENTURY II"

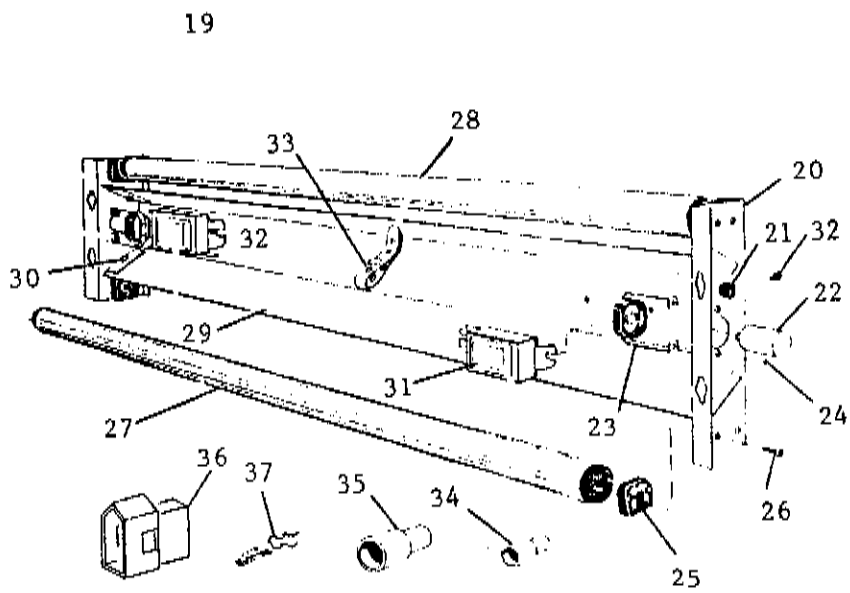
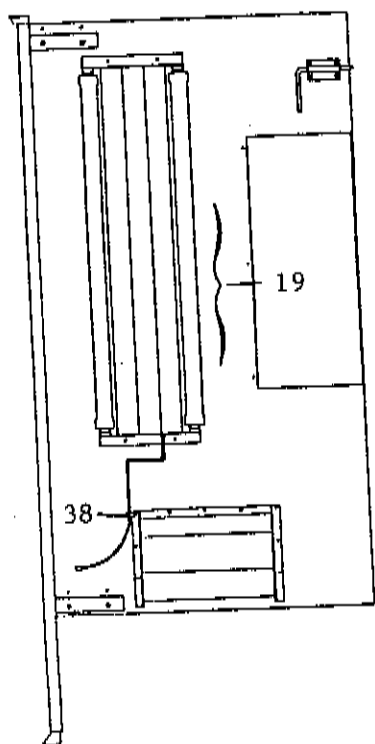
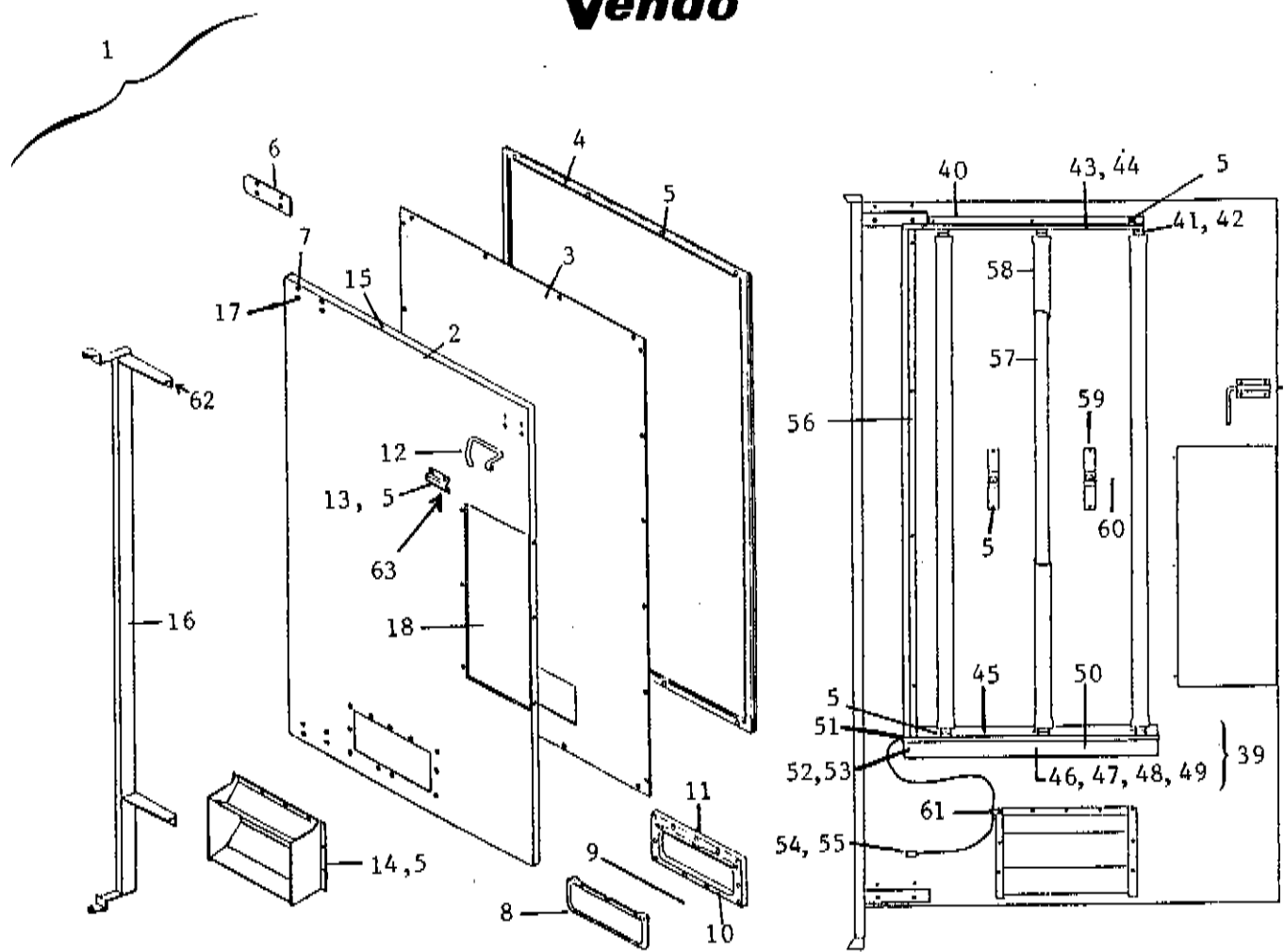
ITEM NO.	PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
1	132871-7	1	CONTROL PANEL WELD-345
-	132871-3	1	CONTROL PANEL WELD-407
-	132871-11	1	CONTROL PANEL WELD-475
2	132868	1	BUTTON PANEL WELD
3	132961	1	BUTTON ASSEMBLY - DR. PEPPER
-	132961-1	1	BUTTON ASSEMBLY - SF- DR. PEPPER
-	387294	6	SELECTION BUTTON - NO LABEL
4	383991	8	LAMP - SOLD-OUT
5	385440	8	SWITCH - SELECTION
6	V800337	16	MACHINE SCREW - SWITCH
7	V800955	16	NUT - SCREW
8	385878	8	LEAF SPRING - BUTTON
9	385466	8	STOP - BUTTON
10	V801422	A/R	TAPPING SCREW
11	132964	1	FILLER PLATE
12	V800456	4	NUT W/LOCKWASHER





DOOR HARNESS - DR. PEPPER

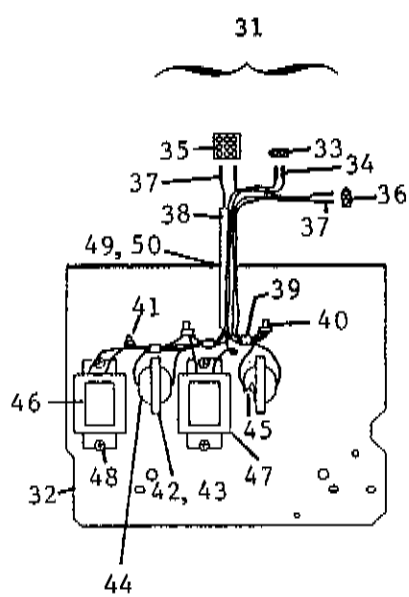
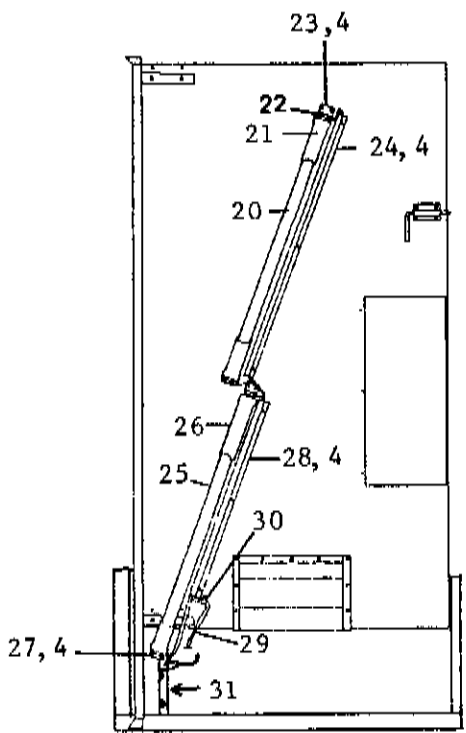
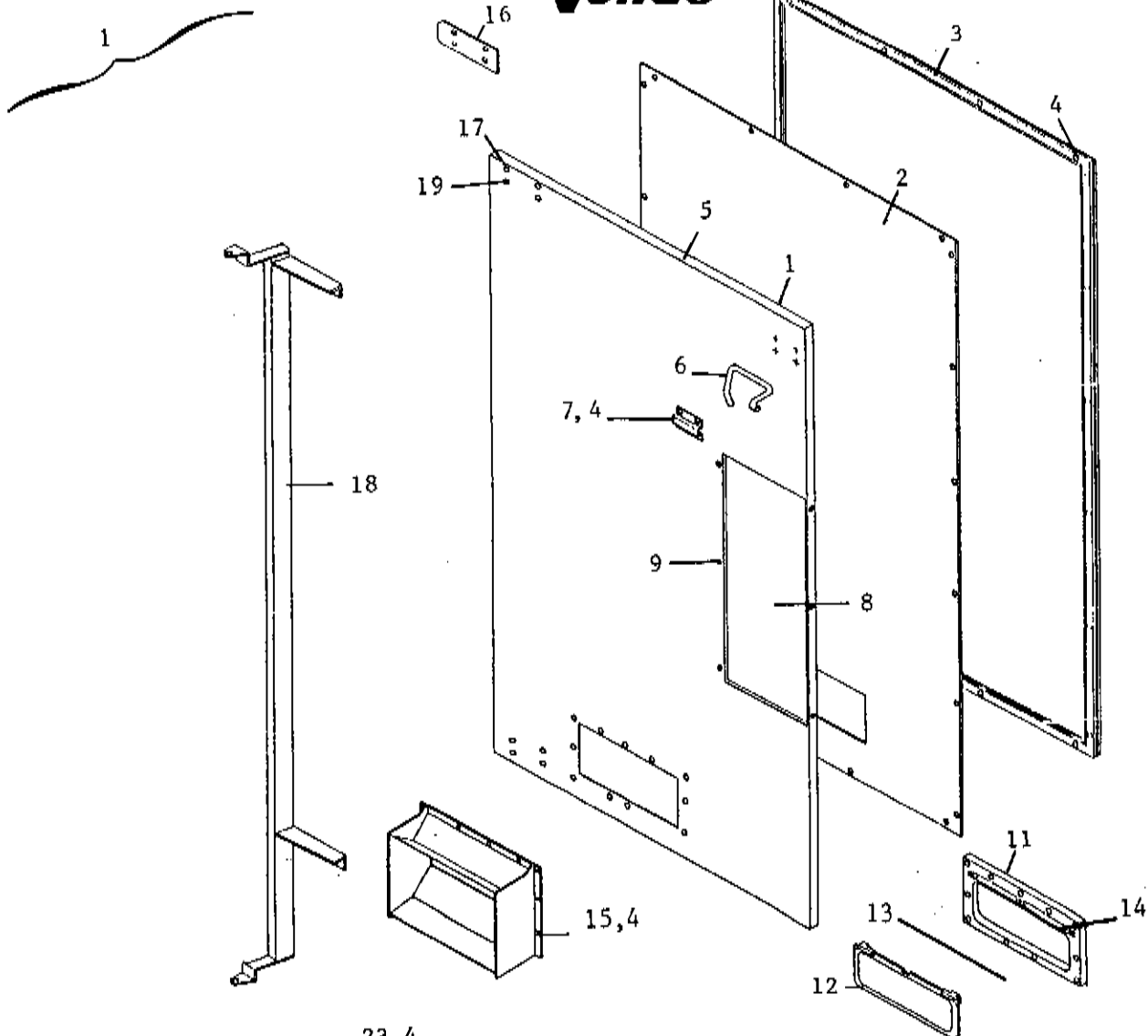
ITEM NO.	6 SEL PART NO.	8 SEL PART NO. CENTRY II	8 SEL PART NO. 7 + 2	NO. REQ.	PART NAME AND DESCRIPTION
-	132954	132896	132948	1	DOOR HARNESS - DR. PEPPER
1	365619	365619	365619	1	SOCKET - RELAY
2	360805-1	360805-1	360805-1	A/R	TERMINAL
3	345008-1	345008-1	345008-1	2	RECEPTACLE -2 TERMINAL
4	345003	-	-	1	PLUG - 9 TERMINAL
-	-	345739	345739	1	PLUG - 12 TERMINAL
5	320195	320195	320195	A/R	TERMINAL - FEMALE
6	320196	320196	320196	A/R	TERMINAL - MALE
7	V801160	V801160	V801160	A/R	PLASTIC TUBING
8	V801166	V801163	V801166	A/R	PLASTIC TUBING
9	V801169	V801166	V801169	A/R	PLASTIC TUBING
10	VM5104-8	VM5104-8	VM5104-8	A/R	TAPE
11	385706	385706	385706	A/R	TERMINAL - FLAG
12	384188	384188	384188	A/R	TERMINAL - FLAG
13	383979	383979	383979	A/R	TERMINAL - FLAG
14	327254	327254	327254	1	RECEPTACLE - 8 TERMINAL
15	327060	327060	327060	A/R	TERMINAL
16	43842	43842	43842	2	CONNECTOR - CLOSED IN
17	321093	321093	321093	1	TERMINAL
18	321096	321096	321096	1	TERMINAL COVER
19	353343	353343	353343	1	RELAY
20	387642	387642	387642	1	BRACKET - RELAY RECEPTACLE



INNER DOOR - DR. PEPPER

ITEM NO.	264 PART NO.	312 PART NO.	577 PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
-	131921	131921-4	131923	1	INNER DOOR ASSEMBLY
1	131919	131919-1	131919-6	1	INNER DOOR PANEL ASSEMBLY
2	387055	387055-1	387055-6	1	PANEL
3	385905	385905-1	385905-6	1	BACK PANEL
4	385887	385887-1	385887-6	1	GASKET
5	V800548	V800548	V800548	A/R	TAPPING SCREW
6	371941	371941	371941	2	DOOR CORNER SUPPORT
7	V800622	V800622	V800622	A/R	TAPPING SCREW
8	384334	384334	384334	1	DELIVERY DOOR
9	46122-2	46122-2	46122-2	1	HINGE PIN - DOOR
10	V800570	V800570	V800570	A/R	TAPPING SCREW
11	384336	384336	384336	1	EYELET - DELIVERY
12	385433	385433	385433	1	LEVER - DOOR LATCH
13	385646	385646	385646	1	BRACKET - DOOR LATCH
14	131585	131585	131585	1	HOPPER RIVET ASSEMBLY
15	385722	385722	385722	1	PLUG
16	132813	132813-1	132813-2	1	TORQUE TUBE WELD
17	V801343	V801343	V801343	4	HEX HEAD TAPPING SCREW
18	387065	387065	387065	1	INSERT - INNER DOOR
19	112930-8	112930-8	-	1	REFLECTOR ASSEMBLY
20	341331	341331	-	2	END BRACKET
21	327699-2	327699-2	-	1	BUSHING - STRAIN RELIEF
22	327143	327143	-	2	STARTER
23	327675-2	327675-2	-	2	SOCKET - STARTER
24	V800060	V800060	-	4	MACHINE SCREW - SOCKET
25	342622	342622	-	4	LAMP HOLDER
26	V800024	V800024	-	8	MACHINE SCREW - LAMP HOLDER
27	384161	384161	-	2	LAMP - FLUORESCENT
28	384166-3	384166-3	-	2	LAMP GUARD
29	341330-6	341330-6	-	1	REFLECTOR
30	V800496	V800496	-	4	TAPPING SCREW
31	327146	327146	-	2	BALLAST
32	V801329	V801329	-	4	TAPPING SCREW - BALLAST
33	342621	342621	-	1	STRAP
34	41707	41707	-	6	CLOSED - END CONNECTOR - SMALL
35	43842	43842	-	2	CLOSED - END CONNECTOR - LARGE
36	345005-1	345005-1	-	1	PLUG - 2 TERMINAL
37	320196	320196	-	2	TERMINAL
38	324099-2	324099-2	-	1	CLAMP - REFLECTOR HARNESS
39	-	-	131445	1	REFLECTOR HARNESS ASSEMBLY
40	-	-	384032	1	UPPER BRACKET
41	-	-	342622	A/R	LAMP HOLDER
42	-	-	V800024	A/R	MACHINE SCREW - HOLDER
43	-	-	384001	1	WIRE DUCT - UPPER
44	-	-	V801421	A/R	TAPPING SCREW
45	-	-	384033	1	LOWER BRACKET
46	-	-	383982	1	BALLAST - 2 LAMP
47	-	-	383981	1	BALLAST - 1 LAMP
48	-	-	V800128	1	MACHINE SCREW - BALLAST
49	-	-	V800952	A/R	HEX NUT W/LOCKWASHER
50	-	-	384004	1	COVER - BALLAST
51	-	-	327699-2	1	BUSHING - STRAIN RELIEF
52	-	-	41707	A/R	CONNECTOR - SMALL
53	-	-	43842	2	CONNECTOR - LARGE
54	-	-	345005-1	1	PLUG - 2 TERMINAL
55	-	-	320196	2	TERMINAL
56	-	-	383972	1	DUCT - WIRE
57	-	-	383980	A/R	LAMP - FLUORESCENT (48")
58	-	-	384166	A/R	LAMP - GUARD (48")
59	-	-	387211	1	STAND OFF - INNER DOOR
60	-	-	387216-2	1	BUMPER - DOOR
61	-	-	324099-2	1	CLAMP - REFLECTOR HARNESS
62	385748	385748	385748	A/R	SHIM - DOOR
63	385828	385828	385828	A/R	SHIM - LATCH

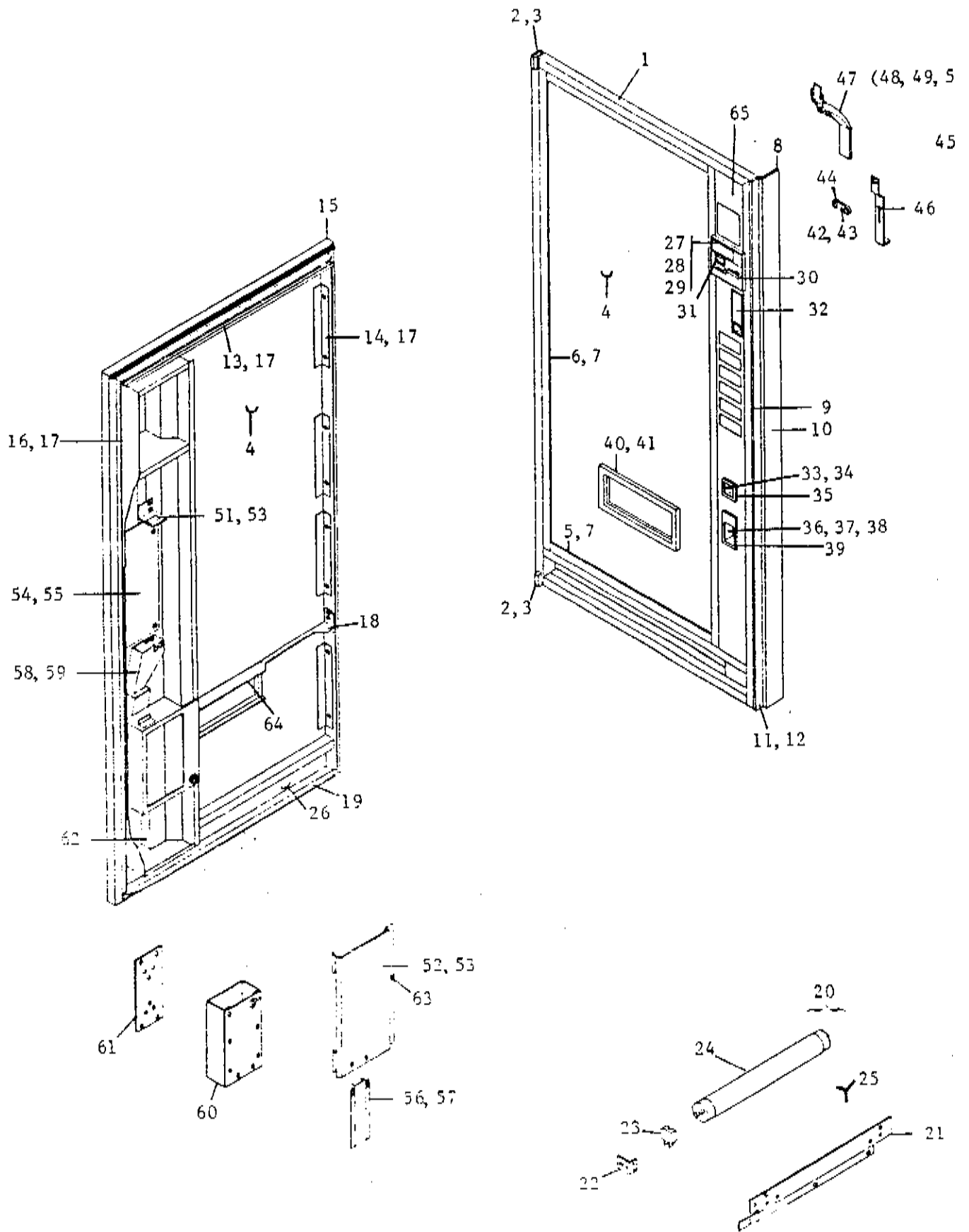
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INNER DOOR - DR. PEPPER

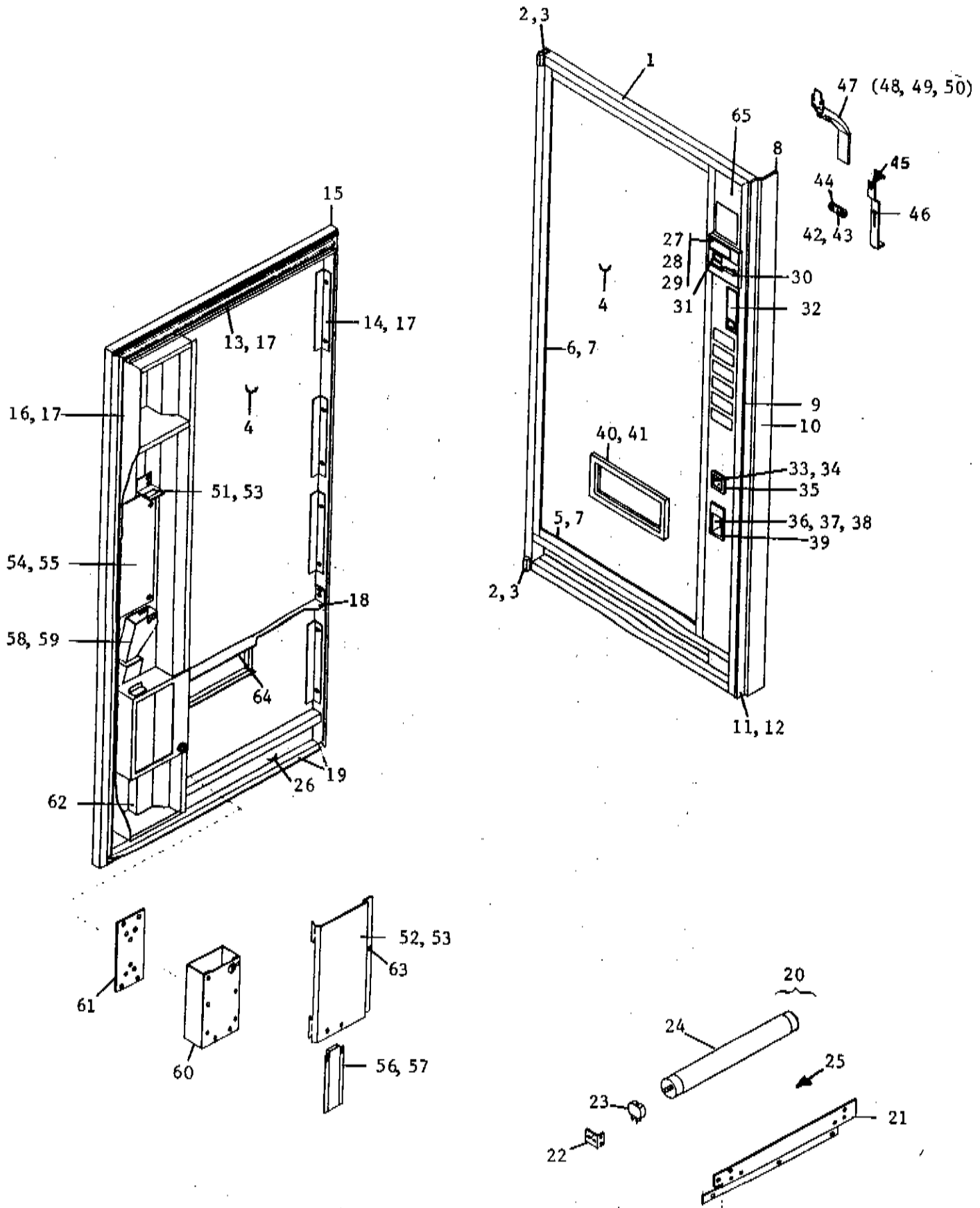
ITEM NO.	345 PART NO.	407 PART NO.	475 PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
-	132926	132926-1	132926-2	1	INNER DOOR ASSEMBLY
1	387055-14	387055-15	387055-16	1	PANEL - INNER DOOR
2	385905-3	385905-4	385905-5	1	BACK PANEL - INNER DOOR
3	385887-3	385887-4	385887-5	1	GASKET - INNER DOOR
4	V800548	V800548	V800548	A/R	TAPPING SCREW
5	385722	385772	385722	1	PLUG
6	385433	385433	385433	1	LEVER - DOOR LATCH
7	385646	385646	385646	1	BRACKET - LEVER
8	387065	387065	387065	1	PAN - INNER DOOR
9	V333097	V333097	V333097	6	RIVET - PAN
10	369466-2	369466-2	369466-2	1	BUMPER - DOOR
11	384336	384336	384336	1	EYELET - INNER DOOR
12	384334	384334	384334	1	DELIVERY DOOR
13	46122-2	46122-2	46122-2	1	PIN - DELIVERY DOOR
14	V800570	V800570	V800570	12	TAPPING SCREW - EYELET
15	132257	132257	132257	1	HOPPER ASSEMBLY
16	371941	371941	371941	2	CORNER SUPPORT
17	V800622	V800622	V800622	4	TAPPING SCREW
18	132813-3	132813-4	132813-5	1	TORQUE TUBE WELD ASSEMBLY
19	V801343	V801343	V801343	4	HEX HEAD TAPPING SCREW
20	332974	332974	332974	1	LAMP - FLUORESCENT (UPPER)
21	384166-6	384166-6	384166-3	1	LAMP GUARD (UPPER)
22	387122	387122	387122	4	LAMP HOLDER
23	387199	387199	387199	3	BRACKET - LAMP
24	387085-2	387085-2	387085	1	DUCT - WIRE (UPPER)
25	384161	384161	384161	1	LAMP - FLUORESCENT (LOWER)
26	384166-3	384166-3	384166-3	1	LAMP GUARD (LOWER)
27	387393	387393	387393	1	BRACKET - LAMP (BOTTOM)
28	387085-2	387085-2	387085-2	1	DUCT - WIRE (LOWER)
29	132898-1	132898-1	132898	1	LIGHTING HARNESS - INNER DOOR
-	345003	345003	345003	1	PLUG
-	320196	320196	320196	8	TERMINAL - MALE
-	384186	384186	384186	8	TERMINAL - INSULATED
30	324099-3	324099-3	324099-3	1	CLAMP - HARNESS
31	132908-1	132908-1	132908	1	BALLAST ASSEMBLY
32	387026	387026	387026	1	BRACKET
33	345005	345005	345005	1	PLUG - 2 TERMINAL
34	320196	320196	320196	2	TERMINAL - MALE
35	345004	345004	345004	1	RECEPTACLE - 9 TERMINAL
36	345008	345008	345008	1	RECEPTACLE - 2 TERMINAL
37	320195	320195	320195	A/R	TERMINAL - FEMALE
38	V801167	V801167	V801167	A/R	PLASTIC TUBING
39	VN5104-8	VN5104-8	VN5104-8	A/R	TAPE
40	43842	43842	43842	2	CONNECTOR - LARGE
41	41707	41707	41707	2	CONNECTOR - SMALL
42	327675-2	327675-2	327675-2	2	SOCKET - STARTER
43	V800060	V800060	V800060	4	MACHINE SCREW - SOCKET
44	321350	321350	-	1	STARTER - 24" LAMP
45	327143	327143	327143	A/R	STARTER - 33" LAMP
46	321345-3	321345-3	-	1	BALLAST - 24" LAMP
47	327146	327146	327146	A/R	BALLAST - 33" LAMP
48	V801204	V801204	V801204	4	TAPPING SCREW - BALLAST
49	324099-7	324099-7	324099-7	1	CLAMP - WIRE
50	V800503	V800503	V800503	1	TAPPING SCREW - CLAMP



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OUTER DOOR - MAGNUM

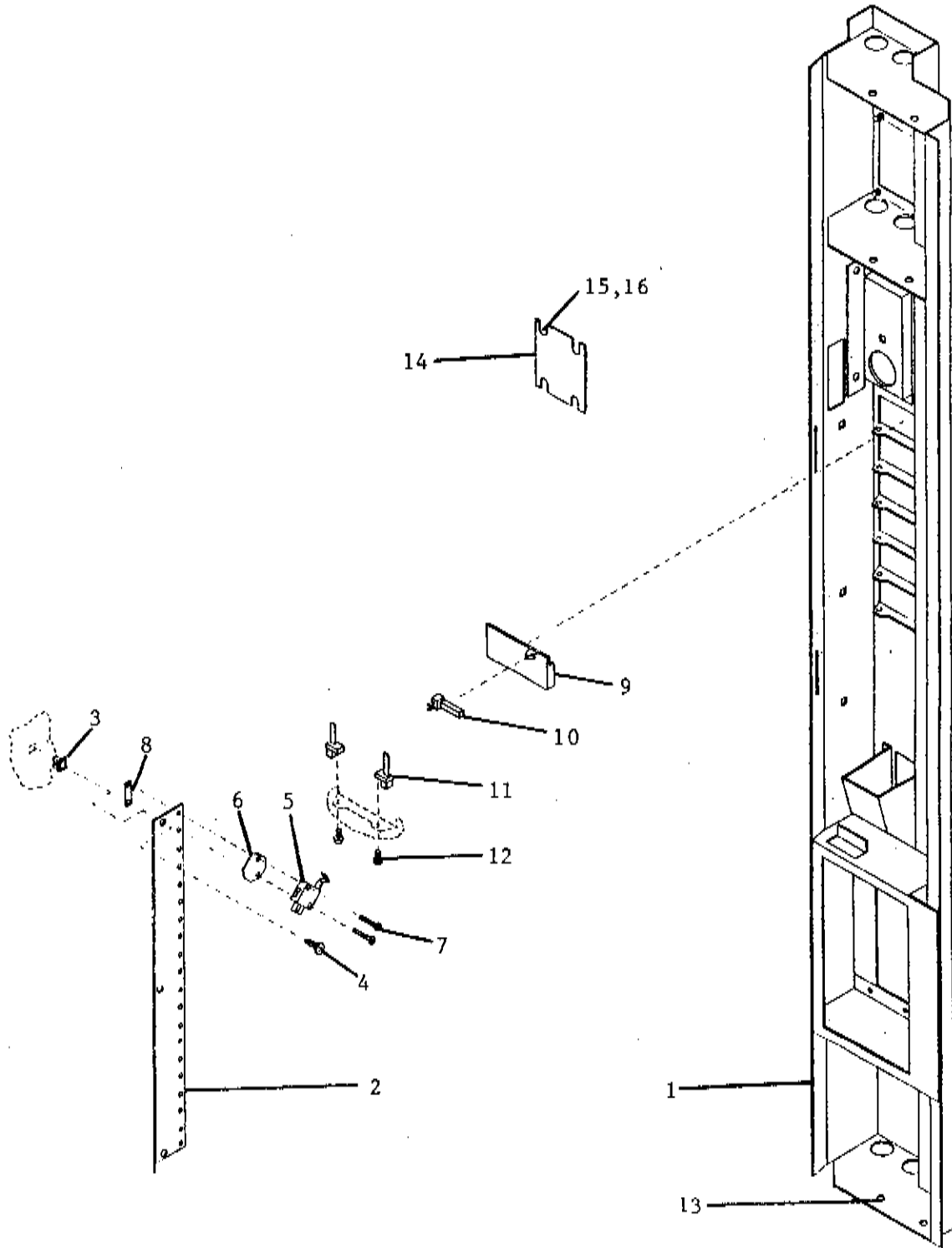
ITEM NO.	264 PART NO.	312 PART NO.	345 PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
-	132269	132269-1	132269-3	1	OUTER DOOR ASSEMBLY
1	132256	132256-1	132256-3	1	DOOR FRAME WELD ASSEMBLY
2	383616	383616	383616	1	HINGE PIN CASTING - BOTTOM
-	383616-1	383616-1	383616-1	1	HINGE PIN CASTING - TOP
3	V801418	V801418	V801418	4	RIVET - HINGE CASTING
4	385956	385956-1	385956-3	1	SIGN FACE
5	387056	387056	387015	2	SIGN FRAME - TOP & BOTTOM
6	387023	387023-1	387023	1	SIGN FRAME - LEFT SIDE
7	V801422	V801422	V801422	A/R	TAPPING SCREW
8	387073	387073-1	387073	1	DOOR GUARD
9	383118	383118	383118	A/R	DRIVE RIVET - DOOR GUARD
10	384223	384223	384223	1	NEOPRENE TAPE - DOOR GUARD
11	V801436	V801436	V801436	A/R	CARRIAGE BOLT - DOOR GUARD
12	V800947	V800947	V800947	A/R	NUT - CARRIAGE BOLT
13	387051	387051	387051	A/R	SIGN RETAINER
14	387067	387067-1	387067	1	SIGN RETAINER - RIGHT SIDE
15	387038	387038	387038-1	1	GASKET - OUTER DOOR
16	387089	387089	387090	1	RAIN CUTTER
17	V801421	V801421	V801421	A/R	TAPPING SCREW
18	387025	387025	387025-1	1	HEADER - BRACE
19	387021	387021	387021-1	1	REFLECTOR - DOOR FRAME
20	132276	132276	132276-1	1	REFLECTOR ASSEMBLY
21	387024	387024	387024-1	1	REFLECTOR
22	387019	387019	387019	2	BRACKET - LIGHT
23	387122	387122	387122	2	LAMP HOLDER
24	336378	332974	332974	1	LAMP - FLUORESCENT
25	132297	132297	132297-1	1	LIGHTING HARNESS - OUTER DOOR
26	324099-2	324099-2	324099-2	2	CLAMP - HARNESS
27	385999	385999	385999	1	COIN INSERT CASTING
28	337241-1	337241-1	337241-1	4	CUP WASHER - COIN INSERT
29	V800788	V800788	V800788	A/R	TAPPING SCREW
30	385978	385978	385978	1	COIN RETURN LEVER
31	387124	387124	387124	1	CORRECT CHANGE LAMP
32	132838	132838	132838	1	DOOR LATCH ASSEMBLY
33	320934-1	320934-1	320934-1	1	DOOR - COIN RETURN
34	320935	320935	320935	1	PIN - DOOR
35	320932	320932	320932	1	TRIM - COIN RETURN
36	31700	31700	31700	1	CROWN PULLER
37	383777	383777	383777	1	SPACER - CROWN PULLER
38	V801419	V801419	V801419	3	TAPPING SCREW - CROWN PULLER
39	356467-2	356467-2	356467-2	1	TRIM - CROWN PULLER
40	387125	387125	387125	1	TRIM - EYELET
41	V800572	V800572	V800572	A/R	TAPPING SCREW - EYELET
42	385985	385985	385985	1	SCAVENGER ARM
43	385603-2	385603-2	385603-2	1	BEARING - ARM
44	321720	321720	321720	1	SPRING - ARM
45	V800696	V800696	V800696	A/R	TAPPING SCREW - SCAVENGER
46	387011	387011	387011	1	SCAVENGER
47	132827	132827	132827	1	COIN INSERT CHUTE ASSEMBLY
48	385980	385980	385980	1	CHUTE - COIN INSERT
49	385981	385981	385981	1	COVER - CHUTE
50	V800764	V800764	V800764	1	TAPPING SCREW - COVER
51	387190	387190	387190	1	BRACKET - COIN INSERT CHUTE
52	387035	387035	387035	1	COINAGE DOOR
53	V800851	V800851	V800851	A/R	TAPPING SCREW - COINAGE DOOR
54	387030	387030	387030	1	GUARD - COINAGE
55	V801433	V801433	V801433	A/R	TAPPING SCREW
56	132273	132273	132273	1	COIN RETURN CHUTE
57	V800503	V800503	V800503	A/R	TAPPING SCREW - CHUTE
58	132274	132274	132274	1	COIN BOX CHUTE
59	V800533	V800533	V800533	A/R	TAPPING SCREW - CHUTE
60	132272	132272	132272	1	COIN BOX ASSEMBLY
61	387034	387034	387034	1	COIN BOX BARRIER PANEL
62	385982	385982	385982	1	CROWN BOX
63	379407-2	379407-2	379407-2	1	LATCH - COINAGE DOOR
64	387052	387052	387052	1	MOUNTING ANGLE - EYELET
65	132277-1	132277-5	132277-3	1	CONTROL PANEL - SEE PAGE 35



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OUTER DOOR - MAGNUM

ITEM NO.	407 PART NO.	475 PART NO.	577 PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
-	132269-4	132269-5	132269-6	1	OUTER DOOR ASSEMBLY
1	132256-4	132256-5	132256-6	1	DOOR FRAME WELD ASSEMBLY
2	383616	383616	383616	1	HINGE PIN CASTING - BOTTOM
-	383616-1	383616-1	383616-1	1	HINGE PIN CASTING - TOP
3	V801418	V801418	V801418	4	RIVET - HINGE CASTING
4	385956-4	385956-5	385956-6	1	SIGN FACE
5	387015	387015	387015	2	SIGN FRAME - TOP AND BOTTOM
6	387023-1	387023-2	387023-2	1	SIGN FRAME - LEFT SIDE
7	V801422	V801422	V801422	A/R	TAPPING SCREW
8	387073-1	387073-2	387073-2	1	DOOR GUARD
9	383118	383118	383118	A/R	DRIVE RIVET - DOOR GUARD
10	384223	384223	384223	1	NEOPRENE TAPE - DOOR GUARD
11	V801436	V801436	V801436	A/R	CARRIAGE BOLT - DOOR GUARD
12	V800947	V800947	V800947	A/R	NUT - CARRIAGE BOLT
13	387051	387051	387051	A/R	SIGN RETAINER
14	387067-1	387067-2	387067-2	1	SIGN RETAINER - RIGHT SIDE
15	387038-1	387038-1	387038-2	1	GASKET - OUTER DOOR
16	387090	387090	387091	1	RAIN GUTTER
17	V801421	V801421	V801421	A/R	TAPPING SCREW
18	387025-1	387025-1	387025-2	1	HEADER - BRACE
19	387021-1	387021-1	387021-2	1	DEFLECTOR - DOOR FRAME
20	132276-1	132276-1	132276-2	1	REFLECTOR ASSEMBLY
21	387024-1	387024-1	387024-2	1	REFLECTOR
22	387019	387019	387019	2	BRACKET - LIGHT
23	387122	387122	387122	2	LAMP HOLDER
24	332974	332974	332974	1	FLUORESCENT LAMP
25	132297-1	132297-1	132297-2	1	LIGHTING HARNESS - OUTER DOOR
26	324099-1	324099-2	324099-2	2	CLAMP - HARNESS
27	385999	385999	385999	1	COIN INSERT CASTING
28	337241-1	337241-1	337241-1	4	CUP WASHER - COIN INSERT
29	V800788	V800788	V800788	A/R	TAPPING SCREW
30	385978	385978	385978	1	COIN RETURN LEVER
31	387124	387124	387124	1	CORRECT CHANGE LAMP
32	132838	132838	132838	1	DOOR LATCH ASSEMBLY
33	320934-1	320934-1	320934-1	1	DOOR - COIN RETURN
34	320935	320935	320935	1	PIN - DOOR
35	320932	320932	320932	1	TRIM - COIN RETURN
36	31700	31700	31700	1	CROWN PULLER
37	383777	383777	383777	1	SPACER - CROWN PULLER
38	V801419	V801419	V801419	3	TAPPING SCREW - CROWN PULLER
39	356467-2	356467-2	356467-2	1	TRIM - CROWN PULLER
40	387125	387125	387125	1	TRIM - EYELET
41	V800572	V800572	V800572	A/R	TAPPING SCREW - EYELET
42	385985	385985	385985	1	SCAVENGER ARM
43	385603-2	385603-2	385603-2	1	BEARING - ARM
44	321720	321720	321720	1	SPRING - ARM
45	V800696	V800696	V800696	A/R	TAPPING SCREW - ARM
46	387011	387011	387011	1	SCAVENGER
47	132827	132827	132827	1	COIN INSERT CHUTE ASSEMBLY
48	385980	385980	385980	1	CHUTE - COIN INSERT
49	385981	385981	385981	1	COVER - CHUTE
50	V800764	V800764	V800764	1	TAPPING SCREW - COVER
51	387190	387190	387190	1	BRACKET - COIN INSERT CHUTE
52	387035	387035	387035	1	COINAGE DOOR
53	V800851	V800851	V800851	3	TAPPING SCREW - COINAGE DOOR
54	387030	387030	387030	1	GUARD - COINAGE
55	V801433	V801433	V801433	A/	TAPPING SCREW
56	132273	132273	132273	1	COIN RETURN CHUTE
57	V800503	V800503	V800503	A/R	TAPPING SCREW - CHUTE
58	132274	132274	132274	1	COIN BOX CHUTE
59	V800533	V800533	V800533	A/R	TAPPING SCREW - CHUTE
60	132272	132272	132272	1	COIN BOX ASSEMBLY
61	387034	387034	387034	1	COIN BOX BARRIER PANEL
62	385982	385982	385982	1	CROWN BOX
63	379407-2	379407-2	379407-2	1	LATCH - COINAGE DOOR
64	387052	387052	387052	1	MOUNTING ANGLE - EYELET
65	132277-7	132277-11	132277-12	1	CONTROL PANEL - SEE PAGE 35



CONTROL PANEL - MAGNUM

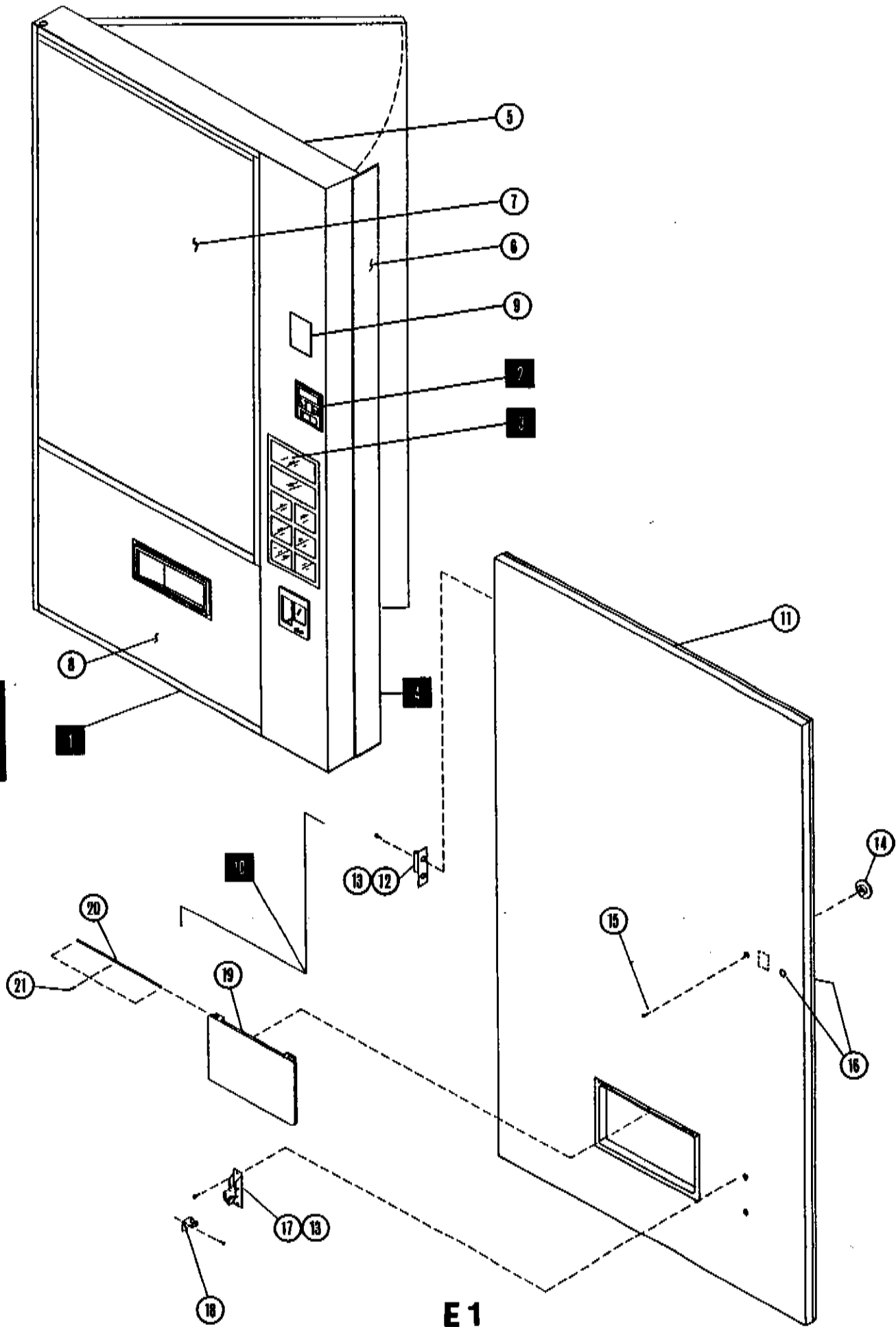
ITEM NO.	PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
-	132277	1	CONTROL PANEL ASSEMBLY - 264: 5 SELECT
-	132277-1	1	CONTROL PANEL ASSEMBLY - 264: 6 SELECT
-	132277-2	1	CONTROL PANEL ASSEMBLY - 345: 7 SELECT
-	132277-3	1	CONTROL PANEL ASSEMBLY - 345: 8 SELECT
-	132277-4	1	CONTROL PANEL ASSEMBLY - 312: 5 SELECT
-	132277-5	1	CONTROL PANEL ASSEMBLY - 312: 6 SELECT
-	132277-6	1	CONTROL PANEL ASSEMBLY - 407: 7 SELECT
-	132277-7	1	CONTROL PANEL ASSEMBLY - 407: 8 SELECT
-	132277-11	1	CONTROL PANEL ASSEMBLY - 475;577: 8 SELECT
-	132277-12	1	CONTROL PANEL ASSEMBLY - 577: 9 SELECT
1	132836	1	CONTROL PANEL WELD - 264: 5 SELECT
-	132836-1	1	CONTROL PANEL WELD - 264: 6 SELECT
-	132836-2	1	CONTROL PANEL WELD - 345: 7 SELECT
-	132836-3	1	CONTROL PANEL WELD - 345: 8 SELECT
-	132836-4	1	CONTROL PANEL WELD - 312: 5 SELECT
-	132836-5	1	CONTROL PANEL WELD - 312: 6 SELECT
-	132836-6	1	CONTROL PANEL WELD - 407: 7 SELECT
-	132836-7	1	CONTROL PANEL WELD - 407: 8 SELECT
-	132836-11	1	CONTROL PANEL WELD - 475;577: 8 SELECT
-	132836-12	1	CONTROL PANEL WELD - 577: 9 SELECT
2	387033	1	SWITCH MOUNTING PLATE
3	387076	3	GROMMET - MOUNTING PLATE
4	V800503	3	TAPPING SCREW - MOUNTING PLATE
5	337576	A/R	SELECTION SWITCH
6	340025-3	A/R	INSULATOR - SWITCH
7	V801442	A/R	MACHINE SCREW - SWITCH
8	337588-1	A/R	SPEED NUT - MACHINE SCREW
9	132275	1	SELECTION BUTTON - PEPSI
-	132275-1	1	SELECTION BUTTON - DIET PEPSI
-	132275-2	1	SELECTION BUTTON - MOUNTAIN DEW
-	132275-3	1	SELECTION BUTTON - PEPSI FREE
-	385990	A/R	SELECTION BUTTON - NO LABEL
10	383991	A/R	SOLD OUT LAMP
11	385994	A/R	LEAF SPRING - SELECTION BUTTON
12	V801446	A/R	TAPPING SCREW - SPRING
13	V801422	A/R	TAPPING SCREW
14	132964	1	FILLER PLATE
15	V801455	4	WASHER
16	387496	4	THREADED SPACER

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TRADE
SECTION



388351-E

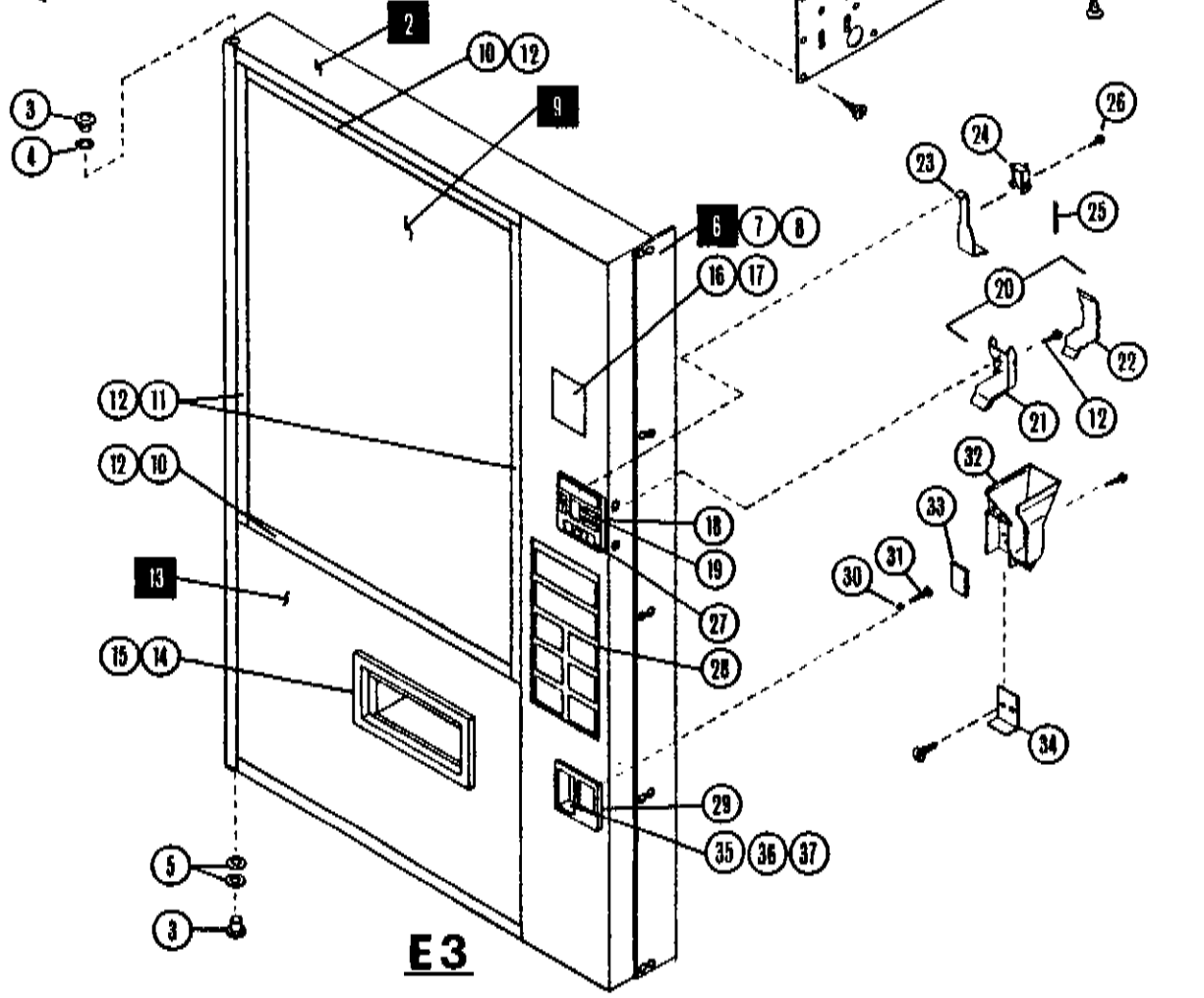
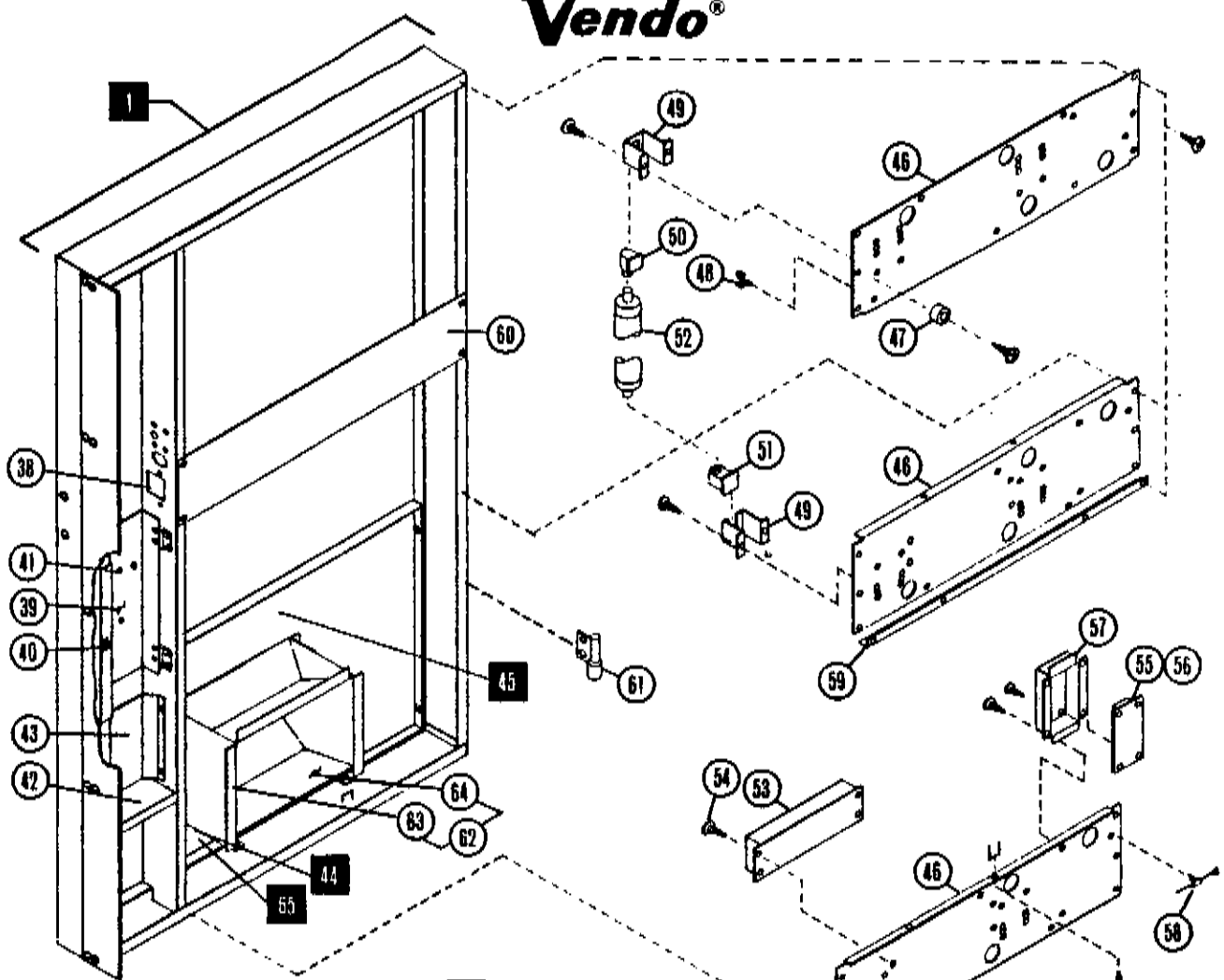


MAIN DOOR - TRADE

ITEM REL	264 PART NUMBER	312 PART NUMBER	345 PART NUMBER	407 PART NUMBER	475 PART NUMBER	REL	PART NAME & DESCRIPTION
1	133535-4	133535-3	133535-2	133535-1	133535	1	OUTER DOOR - CANADA DRY (SEE PAGE E3)
---	133535-9	133535-8	133535-7	133535-6	133535-5	1	OUTER DOOR - LIKE (SEE PAGE E3)
---	133535-14	133535-13	133535-12	133535-11	133535-10	1	OUTER DOOR - MOTT'S (SEE PAGE E3)
---	133535-19	133535-18	133535-17	133535-16	133535-15	1	OUTER DOOR - ORANGE CRUSH (SEE PAGE E3)
---	133535-24	133535-23	133535-22	133535-21	133535-20	1	OUTER DOOR - ROYAL CROWN (SEE PAGE E3)
---	133535-29	133535-28	133535-27	133535-26	133535-25	1	OUTER DOOR - SEVEN UP (SEE PAGE E3)
2	133461	133461	133461	133461	133461	1	DOOR LATCH - SEE PAGE E5
3	---	---	---	---	---	1	SELECTION PANEL - SEE PAGE E5
4	133393	133393	133394	133394	133394	1	DOOR HARNESS - SEE PAGE E7
5	133537-4	133537-3	133537-2	133537-1	133537	1	DOOR FRAME WELD - CANADA DRY
---	133537-9	133537-8	133537-7	133537-6	133537-5	1	DOOR FRAME WELD - LIKE
---	133537-14	133537-13	133537-12	133537-11	133537-10	1	DOOR FRAME WELD - MOTT'S
---	133537-14	133537-13	133537-12	133537-11	133537-10	1	DOOR FRAME WELD - ORANGE CRUSH
---	133537-19	133537-18	133537-17	133537-16	133537-15	1	DOOR FRAME WELD - ROYAL CROWN
---	133537-4	133537-3	133537-2	133537-1	133537	1	DOOR FRAME WELD - SEVEN UP
6	133433-8	133433-7	133433-6	133433-5	133433-4	1	DOOR GUARD - CANADA DRY
---	133433-2	133433-1	133433-2	133433-1	133433	1	DOOR GUARD - LIKE
---	133433-5	133433-4	133433-5	133433-4	133433-3	1	DOOR GUARD - MOTT'S
---	133433-5	133433-4	133433-5	133433-4	133433	1	DOOR GUARD - ORANGE CRUSH
---	133433-11	133433-10	133433-11	133433-10	133433-9	1	DOOR GUARD - ROYAL CROWN
---	133433-8	133433-7	133433-8	133433-7	133433-6	1	DOOR GUARD - SEVEN UP
7	388466-4	388464-4	388465-4	388461-4	388457-4	1	SIGN FACE - CANADA DRY
---	388466-3	388464-3	388465-3	388461-3	388457-3	1	SIGN FACE - LIKE
---	388466-5	388464-5	388465-5	388461-5	388457-5	1	SIGN FACE - MOTT'S
---	388466-7	388464-7	388465-7	388461-7	388457-7	1	SIGN FACE - ORANGE CRUSH
---	388466-2	388464-2	388465-2	388461-2	388457-2	1	SIGN FACE - ROYAL CROWN
---	388466-1	388464-1	388465-1	388461-1	388457-1	1	SIGN FACE - SEVEN UP
8	133538-1	133538-1	133538	133538	133538	1	LOWER DOOR PANEL - CANADA DRY
---	133538-3	133538-3	133538-2	133538-2	133538-2	1	LOWER DOOR PANEL - LIKE
---	133538-5	133538-5	133538-4	133538-4	133538-4	1	LOWER DOOR PANEL - MOTT'S
---	133538-5	133538-5	133538-4	133538-4	133538-4	1	LOWER DOOR PANEL - ORANGE CRUSH
---	133538-7	133538-7	133538-6	133538-6	133538-6	1	LOWER DOOR PANEL - ROYAL CROWN
---	133538-1	133538-1	133538	133538	133538	1	LOWER DOOR PANEL - SEVEN UP
9	133539	133539	133539	133539	133539	1	VALIDATOR PLUG - CANADA DRY
---	133539-1	133539-1	133539-1	133539-1	133539-1	1	VALIDATOR PLUG - LIKE
---	133539-2	133539-2	133539-2	133539-2	133539-2	1	VALIDATOR PLUG - MOTT'S
---	133539-2	133539-2	133539-2	133539-2	133539-2	1	VALIDATOR PLUG - ORANGE CRUSH
---	133539-3	133539-3	133539-3	133539-3	133539-3	1	VALIDATOR PLUG - ROYAL CROWN
---	133539	133539	133539	133539	133539	1	VALIDATOR PLUG - SEVEN UP
10	133434-9	133434-8	133434-7	133434-6	133434-5	1	INNER DOOR ASSEMBLY
11	133438-4	133438-3	133438-2	133438-1	133438	1	INNER DOOR PANEL ASSEMBLY
12	388148	388148	388148	388148	388148	2	HINGE - INNER DOOR
13	V801489	V801489	V801489	V801489	V801489	AR	SELF-DRILL SCREW (#10-16)
14	388305	388305	388305	388305	388305	1	DOOR HANDLE
15	V329258	V329258	V329258	V329258	V329258	1	CARRIAGE BOLT - HANDLE
16	388090	388090	388090	388090	388090	2	GROMMET
17	388435	388435	388435	388435	388435	1	LATCH MECHANISM
18	388433	388433	388433	388433	388433	1	STRIKE (ON OUTER DOOR)
19	387270	387270	387270	387270	387270	1	DELIVERY EYELET DOOR
20	46122-2	46122-2	46122-2	46122-2	46122-2	1	HINGE PIN
21	V800570	V800570	V800570	V800570	V800570	3	TAPPING SCREW - PIN



*NOTE: FOR LABELS AND DECALS: SEE PAGE A6



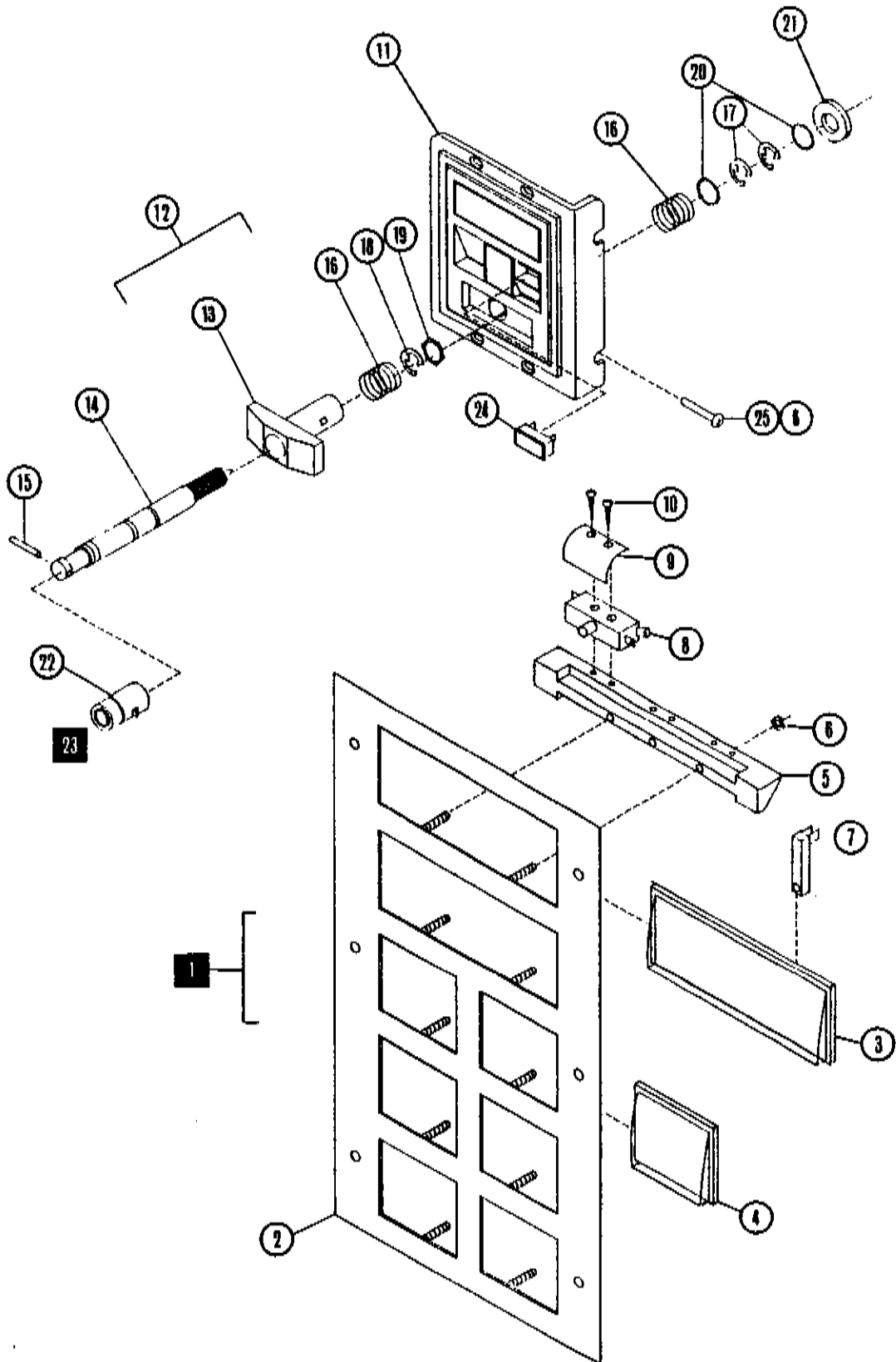
E3

OUTER DOOR - TRADE

ITEM NO.	264 PART NUMBER	312 PART NUMBER	345 PART NUMBER	407 PART NUMBER	475 PART NUMBER	NO. REQ.	PART NAME & DESCRIPTION
1						1	OUTER DOOR ASSEMBLY - SEE PAGE E2
2						1	DOOR FRAME WELD - SEE PAGE E2
3	388094	388094	388094	388094	388094	2	BUSHING - DOOR HINGE
4	V801498	V801498	V801498	V801498	V801498	1	FLAT WASHER - TOP HINGE
5	V801491	V801491	V801491	V801491	V801491	2	FLAT WASHER - BOTTOM HINGE
6						1	DOOR GUARD - SEE PAGE E2
7	V801434	V801434	V801434	V801434	V801434	AR	CARRIAGE BOLT
8	V800959	V800959	V800959	V800959	V800959	AR	HEX NUT/LOCKWASHER
9						1	SIGN FACE - SEE PAGE E2
10	388284-4	388284-4	388284-3	388284-3	388284-3	2	SIGN FRAME - TOP/BOTTOM
11	388284-7	388284-6	388284-7	388284-6	388284-5	2	SIGN FRAME - LEFT/RIGHT
12	V801489	V801489	V801489	V801489	V801489	AR	SELF-DRILL SCREW (#10-16)
13						1	LOWER DOOR PANEL - SEE PAGE E2
14	387125	387125	387125	387125	387125	1	EYELET TRIM
15	V801493	V801493	V801493	V801493	V801493	6	TAPPING SCREW - TRIM
16						1	VALIDATOR PLUG - SEE PAGE E2
17	387496	387496	387496	387496	387496	4	HEX NUT - PLUG
18	388215	388215	388215	388215	388215	1	COIN INSERT CASTING
19	387124	387124	387124	387124	387124	1	CORRECT CHANGE LAMP
20	133428	133428	133428	133428	133428	1	COIN INSERT CHUTE ASSEMBLY
21	388217	388217	388217	388217	388217	1	COIN INSERT CHUTE
22	388218	388218	388218	388218	388218	1	COVER - CHUTE
23	388219	388219	388219	388219	388219	1	SCAVENGER LEVER
24	388220	388220	388220	388220	388220	1	RETAINER - LEVER
25	385786	385786	385786	385786	385786	1	SPRING - LEVER
26	V800475	V800475	V800475	V800475	V800475	AR	TAPPING SCREW
27	133461	133461	133461	133461	133461	1	LOCK ASSEMBLY - SEE PAGE E5
28						1	SELECTION PANEL - SEE PAGE E5
29	388110	388110	388110	388110	388110	1	COIN RETURN TRIM
30	337241	337241	337241	337241	337241	2	CUP WASHER - TRIM
31	V800493	V800493	V800493	V800493	V800493	5	TAPPING SCREW - TRIM
32	388111	388111	388111	388111	388111	1	CUP - COIN RETURN
33	388227	388227	388227	388227	388227	1	COIN RETURN DOOR
34	388455	388455	388455	388455	388455	1	FILLER PLATE
35	31700	31700	31700	31700	31700	1	CROWN PULLER
36	388225	388225	388225	388225	388225	1	MOUNTING PLATE - PULLER
37	V801419	V801419	V801419	V801419	V801419	3	TAPPING SCREW - PULLER
38	353343	353343	353343	353343	353343	1	CREDIT RELAY
39	133435	133435	133435	133435	133435	1	COINAGE DOOR ASSEMBLY
40	388123	388123	388123	388123	388123	1	LATCH - COINAGE DOOR
41	V800762	V800762	V800762	V800762	V800762	3	SCREW - COINAGE
42	388119	388119	388119	388119	388119	1	BULKHEAD
43	388244	388244	388244	388244	388244	1	BARRIER PANEL
44	133563	133563	133563	133563	133563	1	COIN BOX (NOT SHOWN)
45	133550	133550	133550	133550	133550	1	CROWN BOX (NOT SHOWN)
46	388118	388118	388117	388117	388117	3	SHEAR PANEL
47	369466-2	369466-2	369466-2	369466-2	369466-2	2	BUMPER - DOOR
48	384692	384692	384692	384692	384692	3	HARNESSE CLIP
49	388413	388413	388413	388413	388413	4	BRACKET - LAMPHOLDER
50	388260	388260	388260	388260	388260	2	LAMPHOLDER - PLUNGER
51	388261	388261	388261	388261	388261	2	LAMPHOLDER - FIXED
52	388320-5	388320-4	388320-5	388320-4	388320-3	2	FLUORESCENT LAMP - SINGLE PIN
53	388463	388463	388463	388463	388463	1	BALLAST - LAMP
54	V801421	V801421	V801421	V801421	V801421	4	TAPPING SCREW - BALLAST
55	388368	388368	388368	388368	388368	1	E.S. BOARD (2D)
56	V800058	V800058	V800058	V800058	V800058	4	MACHINE SCREW - BOARD
57	388369	388369	388369	388369	388369	1	COVER - BOARD
58	388359	388359	388359	388359	388359	2	HARNESSE TIE
59	388551	388551	388549	388549	388549	1	SUPPORT - SHEAR PANEL
60	388468-1	388468-1	388468	388468	388468	1	MID-PANEL
61	388149	388149	388149	388149	388149	2	HINGE - INNER DOOR
62	133460	133460	133460	133460	133460	1	DELIVERY HOPPER ASSEMBLY
63	133486	133486	133486	133486	133486	1	SHELL RIVET ASSEMBLY
64	388316	388316	388316	388316	388316	1	HOPPER BOTTOM
65	388367	388367	388367	388367	388367	1	RAMP - INNER DOOR
66	133393	133393	133394	133394	133394	1	DOOR HARNESSE - SEE PAGE E7

*NOTE: FOR LABELS AND DECALS: SEE PAGE A6



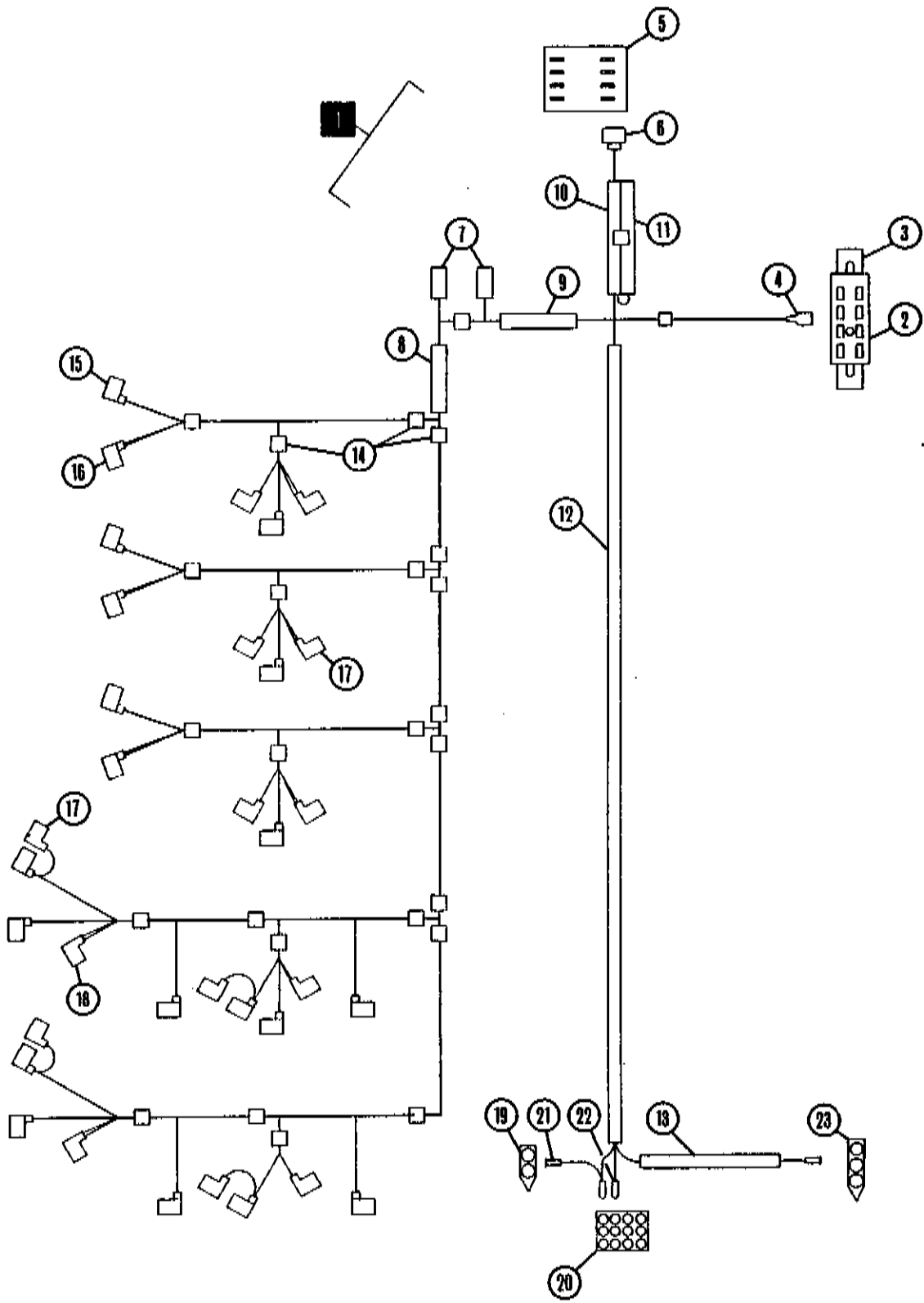


SELECTION PANEL / DOOR LATCH

ITEM NO.	6 SELECT PART NUMBER	8 SELECT PART NUMBER	NO. REQ.	PART NAME & DESCRIPTION
1	133536	133536-1	1	SELECTION PANEL ASSEMBLY - CANADA DRY
--	133536-2	133536-3	1	SELECTION PANEL ASSEMBLY - LIKE
--	133536-4	133536-5	1	SELECTION PANEL ASSEMBLY - MOTT'S
--	133536-6	133536-7	1	SELECTION PANEL ASSEMBLY - ORANGE CRUSH
--	133536-8	133536-9	1	SELECTION PANEL ASSEMBLY - ROYAL CROWN
--	133536-10	133536-11	1	SELECTION PANEL ASSEMBLY - SEVEN UP
2	133540	133540-1	1	SELECTION PANEL - CANADA DRY
--	133540-2	133540-3	1	SELECTION PANEL - LIKE
--	133540-4	133540-5	1	SELECTION PANEL - MOTT'S
--	133540-4	133540-5	1	SELECTION PANEL - ORANGE CRUSH
--	133540-6	133540-7	1	SELECTION PANEL - ROYAL CROWN
--	133540	133540-1	1	SELECTION PANEL - SEVEN UP
3	370840-1	370840-1	AR	SELECTION BUTTON - MEDIUM
4	370841-1	370841-1	AR	SELECTION BUTTON - SMALL
5	388360	388360	AR	BUTTON RETAINER
6	V800956	V800956	AR	HEX NUT - RETAINER
7	383991	383991	AR	SOLD-OUT LAMP
8	385440	385440	AR	SELECTION SWITCH
9	388444	388444	AR	LEAF SPRING - SELECTION BUTTON
10	V801499	V801499	AR	TAPPING SCREW - SWITCH
11	388215	388215	1	COIN INSERT CASTING
12	133461	133461	1	LOCK ASSEMBLY
13	387603	387603	1	'T' HANDLE
14	388131	388131	1	LOCKING STUD (BOLT)
15	387601	387601	1	PIN - STUD
16	387598	387598	2	SPRING
17	387719	387719	2	'E' RING RETAINER
18	388589	388589	1	'E' RING RETAINER
19	387600	387600	1	HEX (FLAT) WASHER
20	387718	387718	2	FLAT WASHER
21	388132	388132	1	VAPOR SEAL
22	368688	368688	1	FLEX-ACE LOCK
23	346118	346118	1	KEY - SPECIFY KEY # (NOT SHOWN)
24	387124	387124	1	CORRECT CHANGE LIGHT
25	V801434	V801434	AR	CARRIAGE BOLT



*NOTE: FOR FLAVOR LABELS: SEE PAGES A8 thru A13

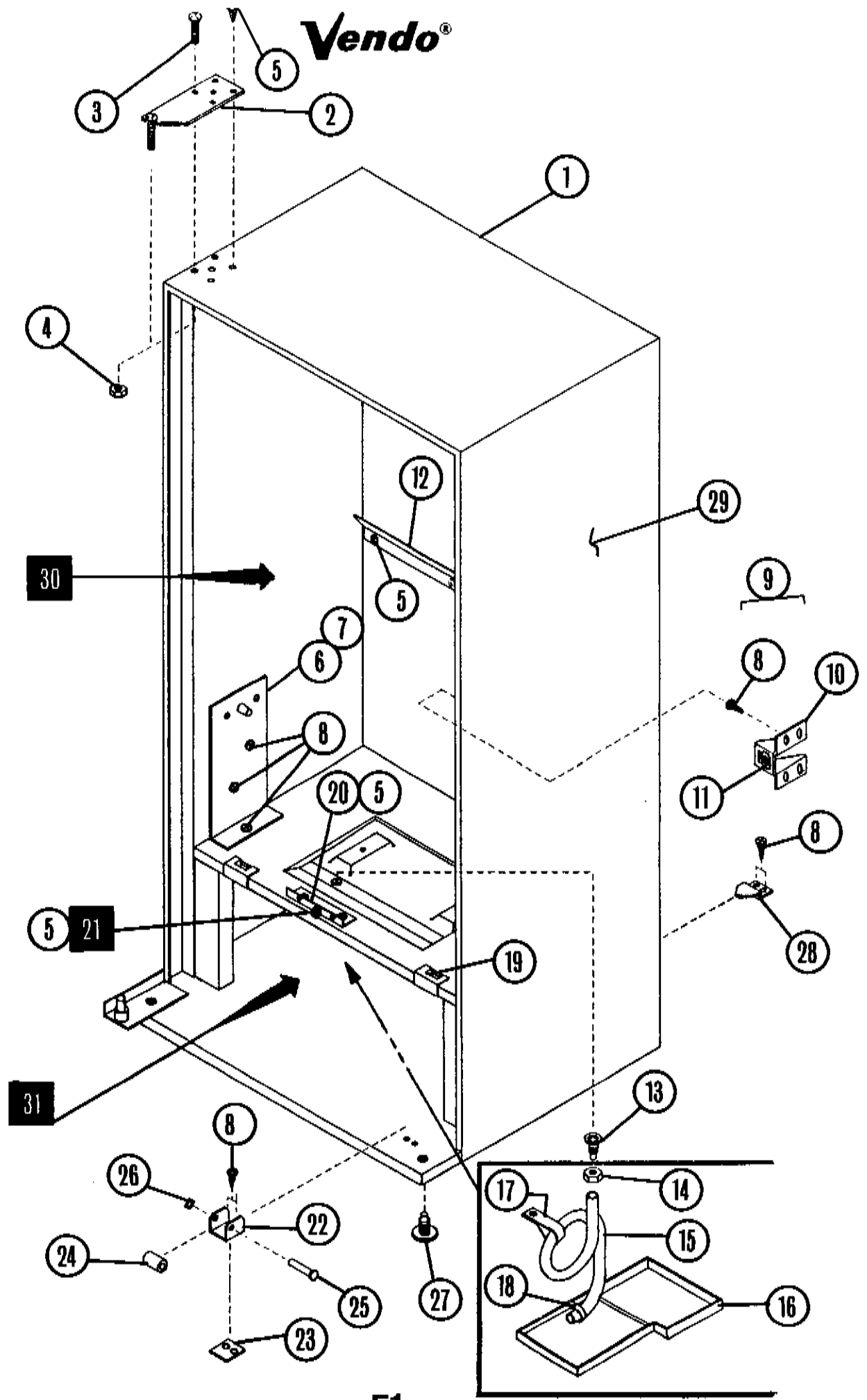


DOOR HARNESS - TRADE

ITEM NO.	6-SELECT PART NUMBER	7-SELECT PART NUMBER	8-SELECT PART NUMBER	NO. REQ.	PART NAME & DESCRIPTION
1	133393	133503	133394	1	DOOR HARNESS
2	327254	327254	327254	1	RECEPTACLE - COINAGE
3	388331	388331	388331	2	BRACKET - COINAGE RECEPTACLE
4	327060	327060	327060	6	TERMINAL - RECEPTACLE
5	365619	365619	365619	1	RECEPTACLE - CREDIT RELAY
6	360805-1	360805-1	360805-1	7	TERMINAL - RECEPTACLE (RELAY)
7	387126	387126	387126	2	INSULATED TERMINAL
8	V801166	V801166	V801166	5.0'	PLASTIC TUBING
9	V801166	V801166	V801166	9.0'	PLASTIC TUBING
10	V801165	V801165	V801165	3.0'	PLASTIC TUBING
11	V801161	V801161	V801161	3.0'	PLASTIC TUBING
12	V801166	V801166	V801166	AR	PLASTIC TUBING
13	V801162	V801162	V801162	7.5'	PLASTIC TUBING
14	VM5104-8	VM5104-8	VM5104-8	AR	ELECTRICAL TAPE
15	384188	384188	384188	AR	TERMINAL - FLAG - SINGLE WIRE
16	383979	383979	383979	AR	TERMINAL - FLAG - DUAL WIRE
17	385706	385706	385706	AR	TERMINAL - FLAG - SINGLE WIRE
18	385706-1	385706-1	385706-1	AR	TERMINAL - FLAG - DUAL WIRE
19	345008-1	345008-1	345008-1	1	RECEPTACLE - 2 TERMINAL
20	345003	345739	345739	1	PLUG - DOOR HARNESS
21	320195	320195	320195	AR	TERMINAL - FEMALE
22	320196	320196	320196	AR	TERMINAL - MALE
22	345734	345734	345734	1	RECEPTACLE - E.S. BOARD



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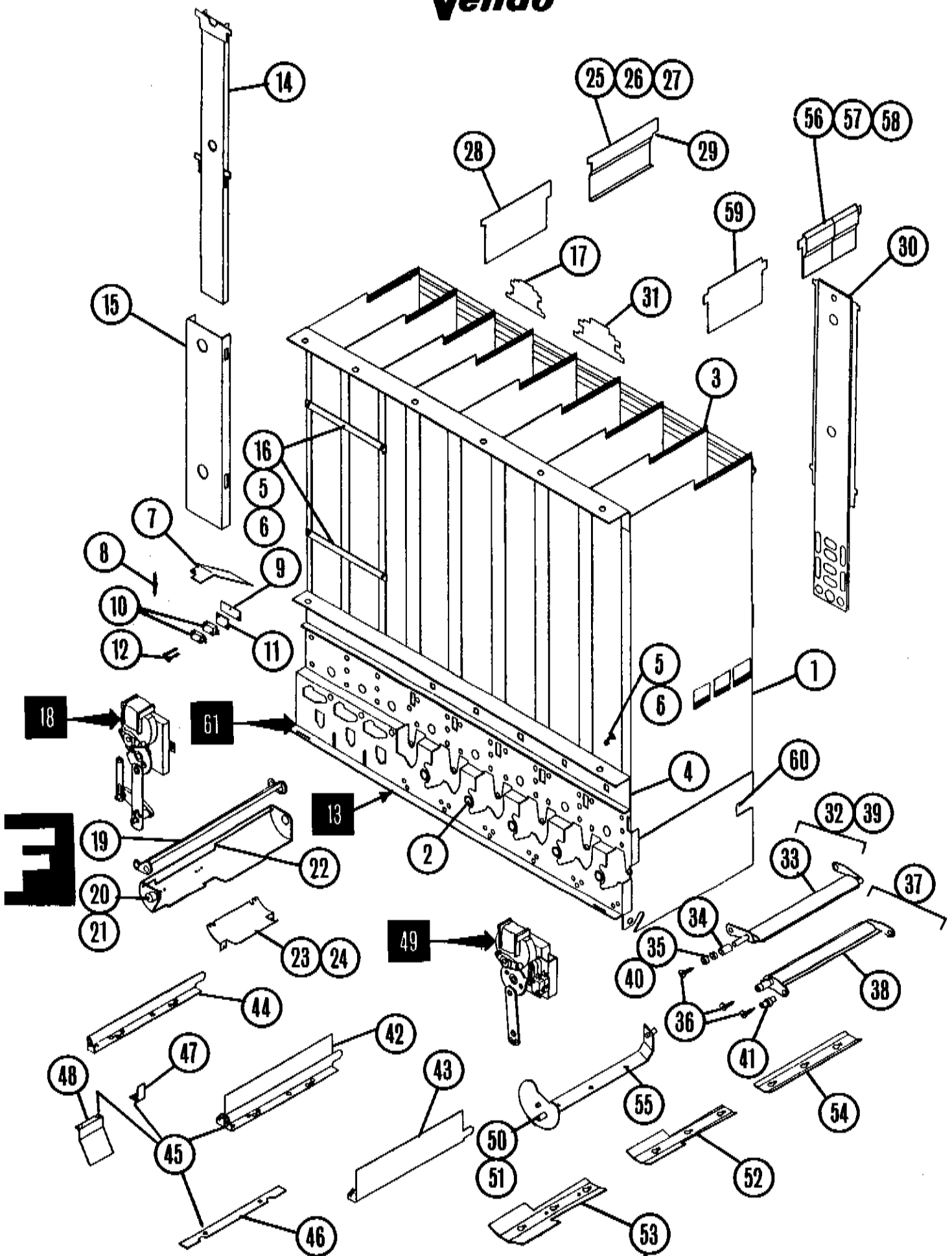
F1

CABINET ASSEMBLY - QUICK VEND

ITEM NO.	264 PART NUMBER	312 PART NUMBER	345 PART NUMBER	407 PART NUMBER	475 PART NUMBER	NO. REQ.	PART NAME & DESCRIPTION
1	133440	133441	133442	133443	133444	1	CABINET (FOAM) ASSEMBLY - COKE
-	133440-1	133441-1	133442-1	133443-1	133444-1	1	CABINET (FOAM) ASSEMBLY - PEPSI
2	133445	133445	133445	133445	133445	1	TOP HINGE WELD ASSEMBLY
3	V801434	V801434	V801434	V801434	V801434	3	CARRIAGE BOLT - HINGE
4	V800959	V800959	V800959	V800959	V800959	3	HEX NUT W/LOCKWASHER
5	V801489	V801489	V801489	V801489	V801489	AR	SELF-DRILL SCREW
6	133401	133401	133400	133400	133400	2	STACK MOUNTING PLATE
7	388315	388315	388315	388315	388315	2	SHIM - PLATE
8	V801490	V801490	V801490	V801490	V801490	AR	TAPPING SCREW
9	133446	133446	133446	133446	133446	1	LATCH PLATE ASSEMBLY
10	388074	388074	388074	388074	388074	1	LATCH PLATE
11	V801497	V801497	V801497	V801497	V801497	1	LATCH NUT
12	388204	388204	388204-1	388204-1	388204-1	1	AIR DEFLECTOR
13	388245	388245	388245	388245	388245	1	DRAIN TUBE
14	387925	387925	387925	387925	387925	1	NUT - DRAIN TUBE
15	340061	340061	340061	340061	340061	AR	DRAIN TUBING
16	339840	339840	339840	339840	339840	1	CONDENSATE PAN
17	342621	342621	342621	342621	342621	1	STRAP ADJUSTABLE - TUBING
18	321304	321304	321304	321304	321304	1	CLIP - TUBING TO PAN
19	388143	388143	388143	388143	388143	2	CLOSURE CAP
20	388187	388187	388187	388187	388187	1	MOUNTING PLATE - CHUTE
21	133447	133447	133448	133448	133448	1	DELIVERY CHUTE ASSEMBLY (NOT SHOWN)
22	388096	388096	388096	388096	388096	1	ROLLER BRACKET - DOOR LIFT
23	388097	388097	388097	388097	388097	AR	SHIM - BRACKET
24	368656	368656	368656	368656	368656	1	ROLLER
25	368657	368657	368657	368657	368657	1	PIN -ROLLER
26	V801368	V801368	V801368	V801368	V801368	1	RETAINER - PIN
27	387678	387678	387678	387678	387678	4	LEVELING LEG
28	388387	388387	388387	388387	388387	2	BRACKET - REFRIGERATION
29	388268	388268-3	388268	388268-3	388268-6	2	SIDE DECAL - COKE
-	388269-5	388269-6	388269	388269-1	388269-2	2	SIDE DECAL - PEPSI
30	-----	-----	-----	-----	-----	1	STACK ASSEMBLY - SEE PAGE F3
31	-----	-----	-----	-----	-----	1	REFRIGERATION ASSEMBLY - SEE PAGE F9



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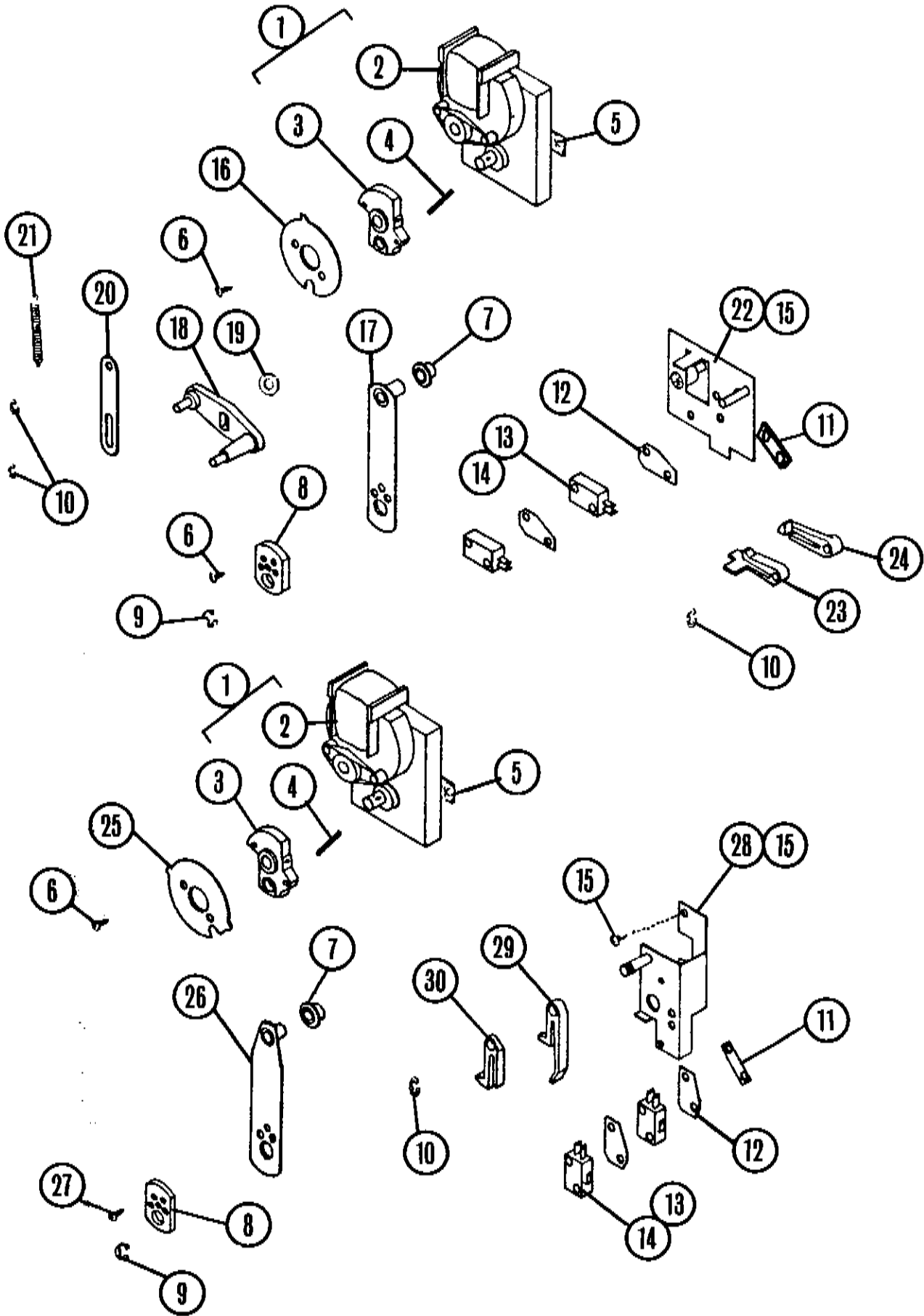


F3

STACK ASSEMBLY - QUICK VEND

ITEM NO.	264 PART NUMBER	312 PART NUMBER	345 PART NUMBER	407 PART NUMBER	475 PART NUMBER	NO. REQ.	PART NAME & DESCRIPTION
--	133510-4	133510-3	133510-2	133510-1	133510	1	STACK ASSEMBLY - 12oz. CAN
--	133510-9	133510-8	133510-7	133510-6	133510-5	1	STACK ASSEMBLY - 10oz. CAN
--	133510-14	133510-13	133510-12	133510-11	133510-10	1	STACK ASSEMBLY - RETURNABLE BOTTLE
1	133439-4	133439-3	133439-2	133439-1	133439	1	STACK WELD
2	370927	370927	370927	370927	370927	AR	BEARING (STAKED IN)
3	387263	387263	387263	387263	387263	4	RETAINER - BACKSPACER
4	385590	385590	385591	385591	385591	1	SOLD OUT CHANNEL
5	V328761	V328761	V328761	V328761	V328761	AR	'T' BOLT
6	V800952	V800952	V800952	V800952	V800952	AR	NUT - BOLT
7	384322	384322	384322	384322	384322	AR	SOLD OUT LEVER
-	384322-1	384322-1	384322-1	384322-1	384322-1	AR	SOLD OUT LEVER - LONG
-	384322-2	384322-2	384322-2	384322-2	384322-2	AR	SOLD OUT LEVER - SHORT
-	384322-5	384322-5	384322-5	384322-5	384322-5	AR	SOLD OUT LEVER - 16oz.
8	600656	600656	600656	600656	600656	AR	SPRING - LEVER
9	384324	384324	384324	384324	384324	AR	STOP - LEVER
10	368299	368299	368299	368299	368299	AR	SWITCH - SOLD OUT
11	340025-3	340025-3	340025-3	340025-3	340025-3	AR	INSULATOR - SWITCH
12	V384341	V384341	V384341	V384341	V384341	AR	TAPPING SCREW - SWITCH
13	388470	388470	388471	388471	388471	1	MECH COVER (NOT SHOWN)
***	*****	*****	*****	*****	*****		SINGLE COLUMN PARTS
14	131976	131976-1	131976	131976-1	131976-2	AR	BACKSPACER
15	387002	387002-1	387002	387002-1	387002-2	AR	PRODUCT RETAINER
16	387004	387004	387001	387001	387001	2	BRACE - RETAINER
17	385685-1	385685-1	385685-1	385685-1	385685-1	AR	AIR DEFLECTOR
18						AR	MOTOR AREA - SEE PAGE F5
19	387197	387197	387197	387197	387197	AR	BLOCKING SHELF
20	385589	385589	385589	385589	385589	AR	BAIL BUCKET
21	385603	385603	385603	385603	385603	AR	NYLON BUSHING - BUCKET
22	387391	387391	387391	387391	387391	AR	ANTI-TILT WIRE
23	387171	387171	387171	387171	387171	AR	BUCKET FILLER - BOTTLES
24	387599	387599	387599	387599	387599	AR	BUCKET FILLER - 6oz. CANS
25	387231	387231	387231	387231	387231	AR	1/4" FORM SPACER
26	387258	387258	387258	387258	387258	AR	3/8" FORM SPACER
27	387506	387506	387506	387506	387506	AR	11/16" FORM SPACER
28	387230	387230	387230	387230	387230	AR	FLAT SHIM
29	384990	384990	384990	384990	384990	AR	SPACER/SHIM SUPPORT
***	*****	*****	*****	*****	*****	AR	STAGGERED COLUMN PARTS
30	385601-3	385601-4	385601-3	385601-4	385601-5	AR	BACKSPACER
31	385685	385685	385685	385685	385685	AR	AIR DEFLECTOR
32	123916-1	123916-1	123916-1	123916-1	123916-1	AR	SHELF ASSEMBLY - LEFT
33	123915-2	123915-2	123915-2	123915-2	123915-2	AR	SHELF - LEFT
34	370756	370756	370756	370756	370756	AR	NEEDLE BEARING
35	370714	370714	370714	370714	370714	AR	SPACER
36	370780	370780	370780	370780	370780	AR	SCREW
37	124255-1	124255-1	124255-1	124255-1	124255-1	AR	SHELF ASSEMBLY - RIGHT
38	123915-3	123915-3	123915-3	123915-3	123915-3	AR	SHELF - RIGHT
39	132904	132904	132904	132904	132904	1	SHELF ASSEMBLY - SEQUENCER
40	387376	387376	387376	387376	387376	1	SPACER - SEQUENCER
41	336837	336837	336837	336837	336837	AR	BUSHING - SHELF
42	132858	132858	132858	132858	132858	AR	SPACER BAR - CENTER
43	387281-1	387281-1	387281-1	387281-1	387281-1	1	SPACER BAR - RIGHT END
44	387427	387427	387427	387427	387427	1	SPACER BAR - LEFT END
45	V800639	V800639	V800639	V800639	V800639	AR	TAPPING SCREW
46	387279	387279	387279	387279	387279	AR	ADJUSTABLE RAIL
47	387319	387319	387319	387319	387319	AR	ANTI-TILT BRACKET
48	387352	387352	387352	387352	387352	AR	CAN DEFLECTOR
49						AR	MOTOR AREA - SEE PAGE F5
50	131578	131578	131578	131578	131578	AR	BAIL
51	V801084	V801084	V801084	V801084	V801084	AR	'E' RING RETAINER - BAIL
52	387282	387282	387282	387282	387282	AR	BAIL BRACKET
53	387462	387462	387462	387462	387462	AR	BAIL BRACKET - 10oz. CAN
54	387283	387283	387283	387283	387283	AR	BAIL BRACKET - 16oz. P.S.
55	V801433	V801433	V801433	V801433	V801433	AR	TAPPING SCREW
56	106284-1	106284-1	106284-1	106284-1	106284-1	AR	S.S. STEEL SPACER - LEFT
57	106284-2	106284-2	106284-2	106284-2	106284-2	AR	S.S. STEEL SPACER - RIGHT
58	385341	385341	385341	385341	385341	AR	FORM SPACER - 6oz. CAN
59	370864	370864	370864	370864	370864	AR	SHIM
60	385593	385593	385593	385593	385593	1	END COLUMN SPACER SUPPORT
61	132905	132905	132909	132909	132909	1	VEND MECH HARNESS - SEE PAGE F7



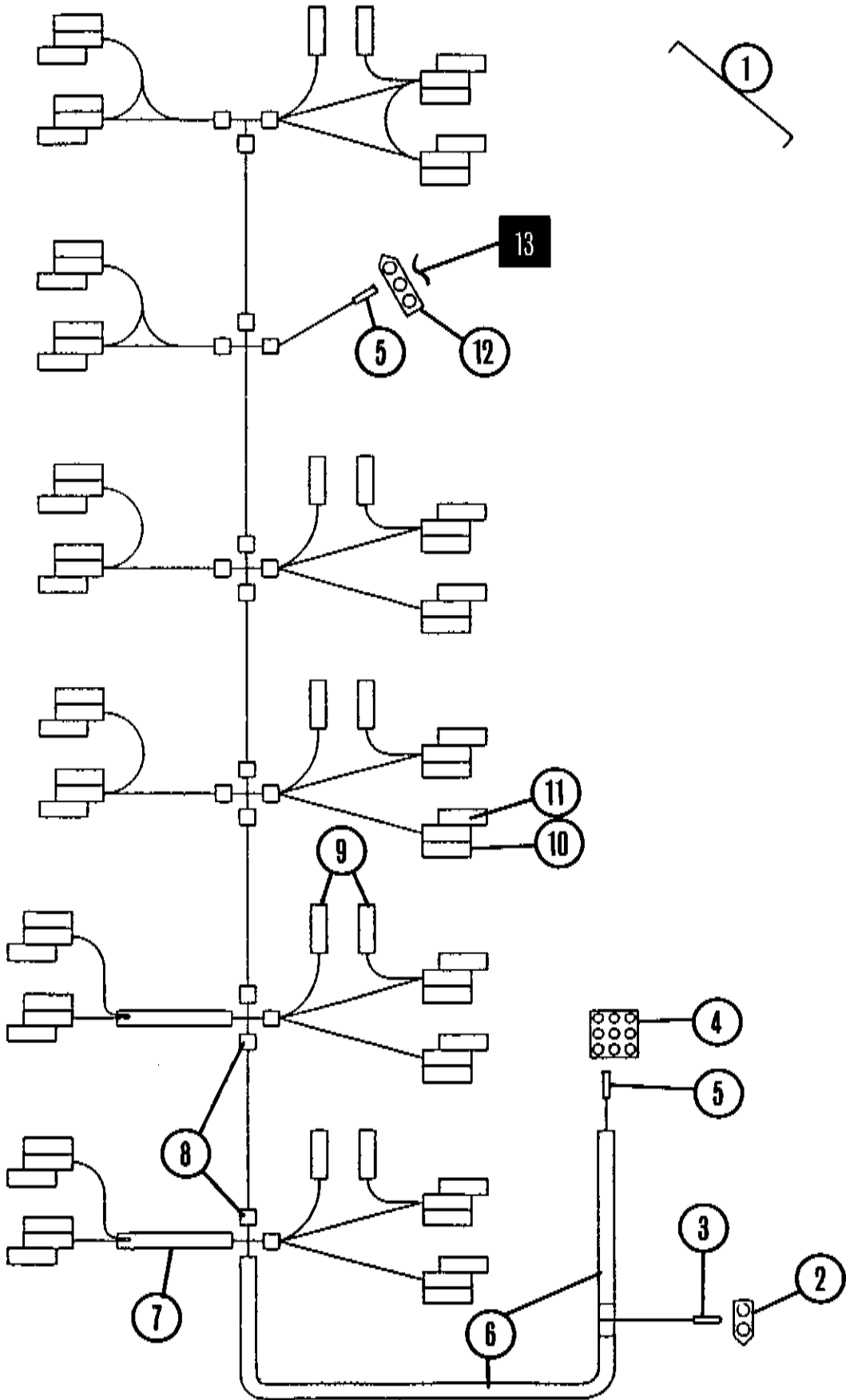


MOTOR AREA - QUICK VEND

ITEM NO.	PART NUMBER	NO. REQ.	PART NAME & DESCRIPTION
1	131990	1	MOTOR HUB ASSEMBLY
2	385418	1	MOTOR
3	384317	1	CAM - MOTOR
4	V801134	1	SPRING PIN
5	V801431	3	TAPPING SCREW - MOTOR
6	V800762	AR	TAPPING SCREW - CAM COVER
7	383983	1	BEARING - CAM
8	385983	1	ECCENTRIC
9	V801080	2	'E' RING RETAINER - LINK
10	V801077	2	'E' RING RETAINER - LEVER
11	337588-1	1	NUT PLATE
12	384025-3	1	INSULATOR - SWITCH
13	368299	2	SWITCH
14	V800032	2	SCREW - SWITCH
15	V800570	2	TAPPING SCREW - SWITCH BRACKET
***	*****	***	SINGLE COLUMN PARTS
16	385893	1	CAM COVER - WHITE
17	132819	1	LINK RIVET ASSEMBLY
18	131988	1	CRANK ASSEMBLY
19	V801016	1	WASHER
20	385580	1	LINK LEVER - BLOCKING SHELF
21	385728	1	SPRING - LINK LEVER
22	132028	1	SWITCH BRACKET ASSEMBLY
23	385623	1	LEVER - CARRIER SWITCH
24	385624	1	LEVER - BYPASS SWITCH
***	*****	***	STAGGERED COLUMN PARTS
25	387350	1	CAM COVER - GREEN
26	132260	1	LINK RIVET ASSEMBLY
27	V800787	1	TAPPING SCREW - ECCENTRIC
28	131989	1	SWITCH BRACKET ASSEMBLY
29	384842	1	LEVER - CARRIER SWITCH
30	384843	1	LEVER - BYPASS SWITCH

* NOTE: NO. REQ. INDICATES NUMBER NEEDED PER COLUMN.

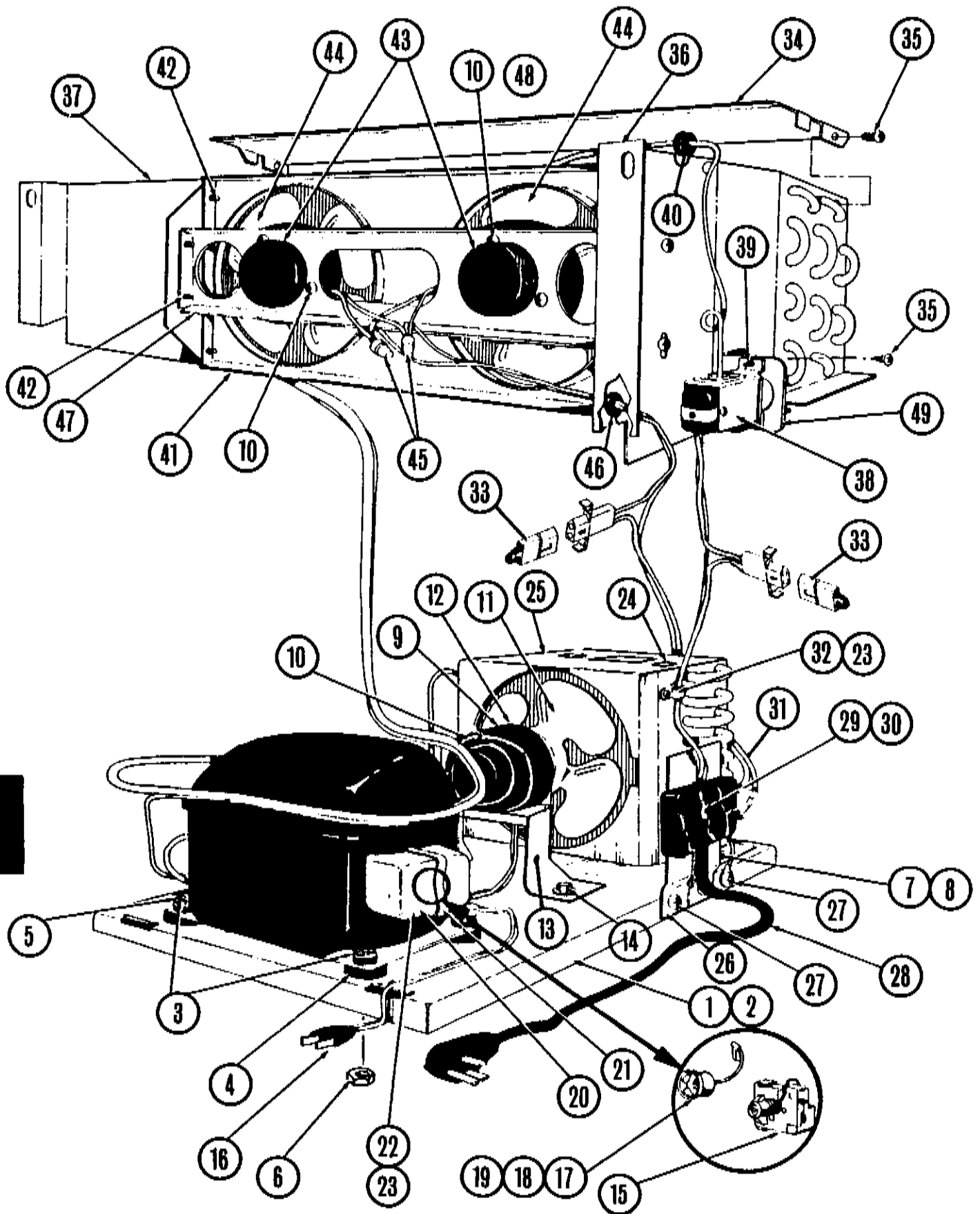




VEND MECH HARNESS

ITEM NO.	PART NUMBER	QTY. REQ.	PART NAME & DESCRIPTION
1	132905	1	VEND MECH HARNESS - 4+2
-	132909	1	VEND MECH HARNESS - 5+3
2	345005	1	PLUG - 2 TERMINAL
3	320196	AR	TERMINAL - MALE
4	345004	1	RECEPTACLE - 9 TERMINAL (4+2)
-	345740	1	RECEPTACLE - 15 TERMINAL (5+3)
5	320195	AR	TERMINAL - FEMALE
6	V801164	AR	PLASTIC TUBING (IN INCHES)
7	V801166	AR	PLASTIC TUBING (IN INCHES)
8	VM5104-8	AR	TAPE
9	384184	AR	TERMINAL - INSULATED
10	360805	AR	TRIPLE TERMINAL
11	360806	AR	COVER - TRIPLE TERMINAL
12	345734-1	1	RECEPTACLE - 3 TERMINAL
13	131167	1	SEQUENCER JUMPER





REFRIGERATION ASSEMBLY - QUICK VEND

ITEM NO.	1/4 PART NUMBER	1/3 PART NUMBER	QTY. REQ.	PART NAME & DESCRIPTION
-	-----	133397	1	V83 REPLACEMENT REFRIGERATION SYSTEM
-	132901	-----	1	V87 REPLACEMENT REFRIGERATION SYSTEM
1	343839	343839	1	BASE - REFRIGERATION
2	V801388	V801388	1	TAPPING SCREW - BASE
3	343874	343874	4	SPRING CLIP
4	323090-1	323090-1	4	GROMMET
5	343872	343872	4	MOUNTING STUD - COMPRESSOR
6	V800949	V800949	4	HEX NUT W/LOCKWASHER
7	V800267	V800267	4	MACHINE SCREW - CONDENSER
8	916923	916923	4	NUT PLATE
9	42321-35	42321-36	1	FAN MOTOR - CONDENSER
10	V800371	V800371	AR	MACHINE SCREW - MOTOR
11	42329	320766	1	FAN BLADE - CONDENSER
12	V42323	V42323	AR	RETAINER CLIP - FAN BLADE
13	358154-1	388234	1	MOUNTING BRACKET - CONDENSER FAN
14	V800672	V800672	4	TAPPING SCREW - BRACKET
15	333894-8	333894-15	1	STARTING RELAY
16	344105	344105	1	COMPRESSOR CORD
17	45052-28	45052-27	1	OVERLOAD PROTECTOR
18	V800055	V800055	1	MACHINE SCREW - PROTECTOR
19	344305	344305	1	OVERLOAD SPRING
20	344308	344308	1	COVER - OVERLOAD
21	344306	344306	1	BAIL STRAP - COVER
22	324099-4	324099-4	1	CLAMP
23	V800680	V800680	2	TAPPING SCREW - CLAMP
24	387400	388344	1	TAG - REFRIGERATION
25	343871	351172	1	SHROUD - CONDENSER
26	334052-1	334052-1	1	BRACKET - SERVICE CORD
27	V800664	V800664	3	TAPPING SCREW - BRACKET
28	363670-1	363670-1	1	SERVICE CORD
29	V800512	V800512	1	TAPPING SCREW - CORD
30	V800892	V800892	2	NUT - SCREW
31	-----	116713	2	WIRE ASSEMBLY
32	324099-3	324099-3	1	CLAMP
33	131734	131734	2	ADAPTER PLUG
34	388292	388281	1	COVER - EVAPORATOR
35	V800533	V800533	AR	TAPPING SCREW -EVAPORATOR
36	388314	388280-1	1	SIDE EXTENSION - LEFT
37	388314-1	388280	1	SIDE EXTENSION - RIGHT
38	368794	368794	1	TEMPERATURE CONTROL
39	V800354	V800354	2	TAPPING SCREW - CONTROL
40	43410	43410	1	GROMMET - CONTROL
41	385434	360820	1	DRIFACE - EVAPORATOR FAN
42	V800479	V800479	4	TAPPING SCREW - DRIFACE
43	42321-42	42321-17	AR	FAN MOTOR - EVAPORATOR
44	44190	328579	AR	FAN BLADE - EVAPORATOR
45	-----	43842	2	CONNECTOR - CLOSED END
46	-----	327699-1	1	GROMMET - WIRE ASSEMBLY
47	320266-1	328578	1	BRACKET - EVAPORATOR FAN MOTOR
48	914161	914161	1	CLIP - TEMPERATURE PROBE
49	388101	388101	1	COVER - CONTROL



Vendo[®]

SERVICE SECTION

SERVICE SECTION

SERVICE SECTION INDEX

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NOTES: 1) CIRCLE NUMBERS INDICATE FIGURE NUMBER
 2) WHITE NUMBERS IN BLACK SQUARES INDICATE PAGE NUMBER

Vendo®

INITIAL SET UP

1. UNPACK

Remove all packing, cardboard and tape from exterior of vender. Remove all tape, shipping sealant and shipping styrofoam from interior of the vender. Also loosen any shipping devices used to secure interior parts during shipping (ex: backspace retainer).

Remove wooden shipping base (attached using the leveling screws). Re-install the leveling screws.

2. POSITION AND LEVEL VENDER.

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

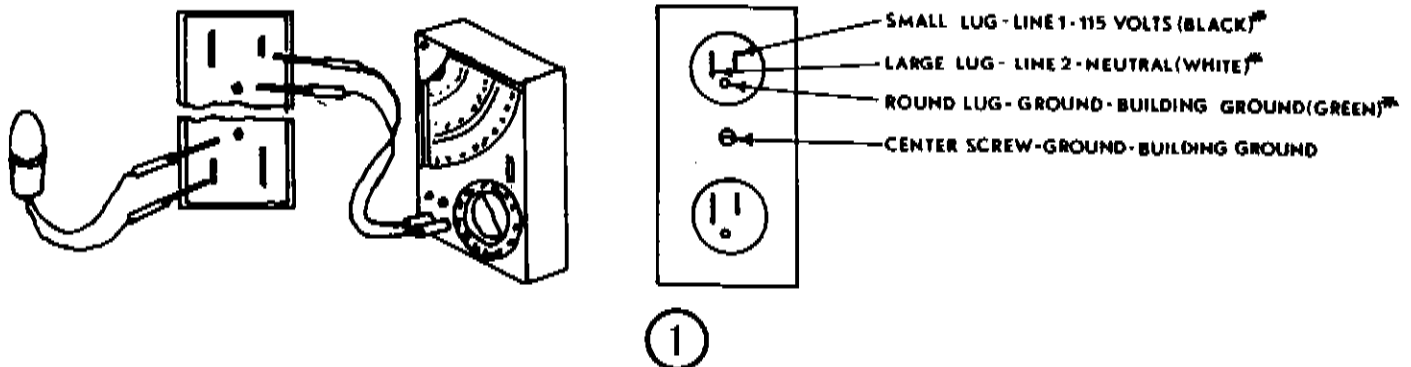
After positioning vender in desired and required position, adjust the leveling screws to properly level the vender. When the vender is properly leveled the door assembly can be opened to any position and will not move by itself.

3. CONNECT TO POWER SUPPLY (see FIGURE 1).

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 1. 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 probe is inserted in 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.

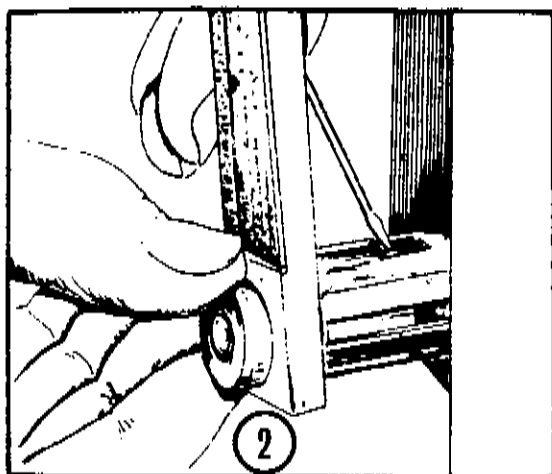


4. INSTALL COIN MECHANISM.

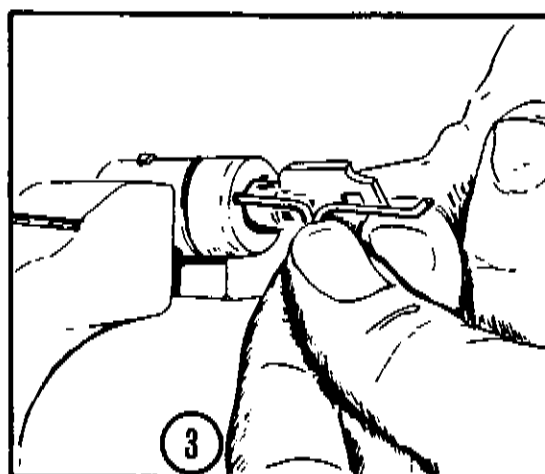
The coin mechanism mounts on the hinged coinage panel assembly. Remove the acceptor (where applicable) from the coin mech. Then slip the key holes in the back of the mechanism over the three mounting screws of coinage panel and tighten. Replace the acceptor (where applicable).

5. CODE YOUR LOCK (see FIGURES 2 thru 11).

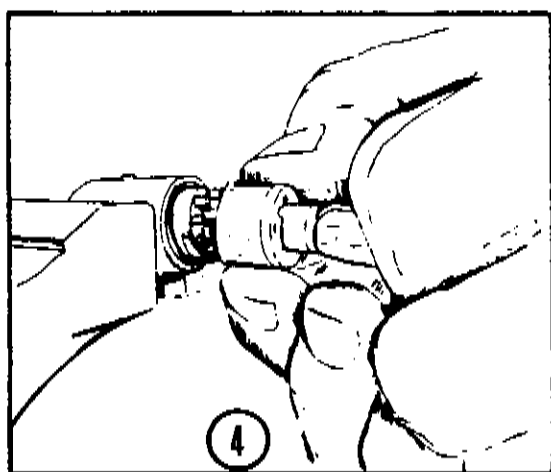
Locks may be recoded either remaining in the handle or outside the handle. Recoding is shown with lock removed from handle and is probably the easiest and safest way and will insure that the lock is recoded properly before it is replaced back into handle. NOTE: Fasten lock in vice or other means of securing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



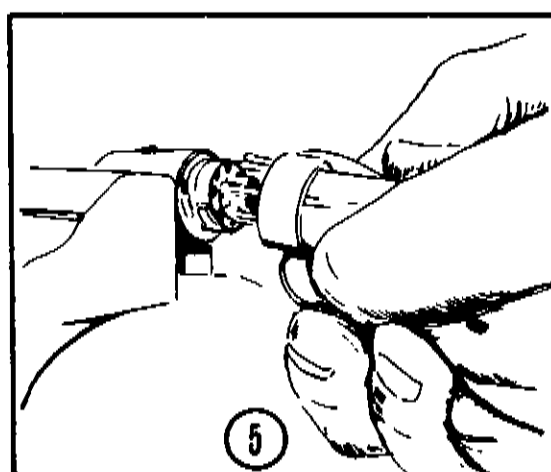
1. Lock may be removed by depressing the latch and sliding lock forward out of handle.



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

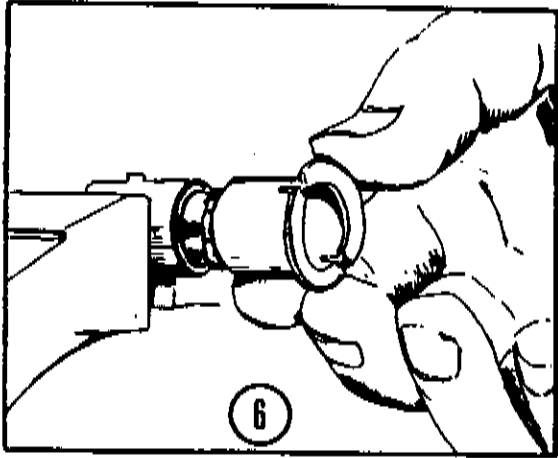


3. Remove cap with key as one unit.

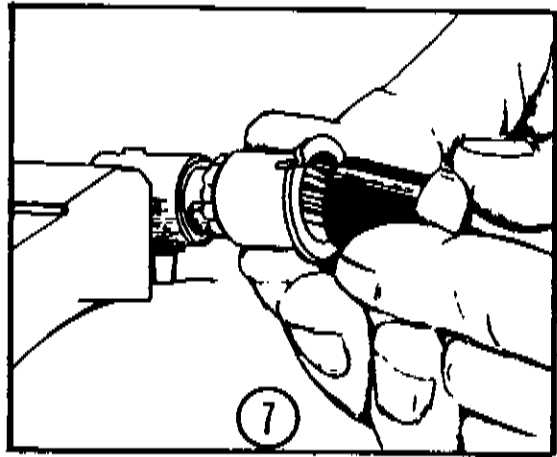


4. Using magnet end of loader tool, remove all seven (7) tumblers.

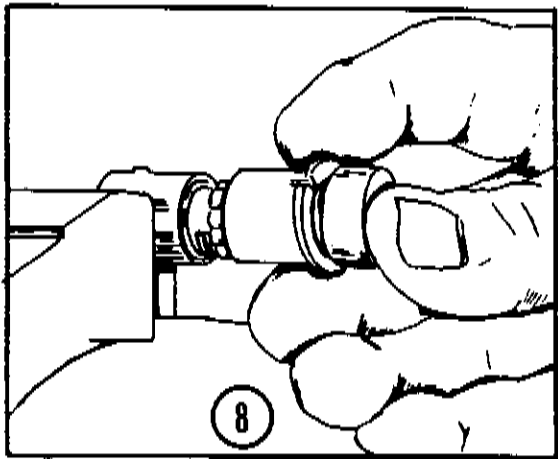
CODE YOUR LOCK (Continued)



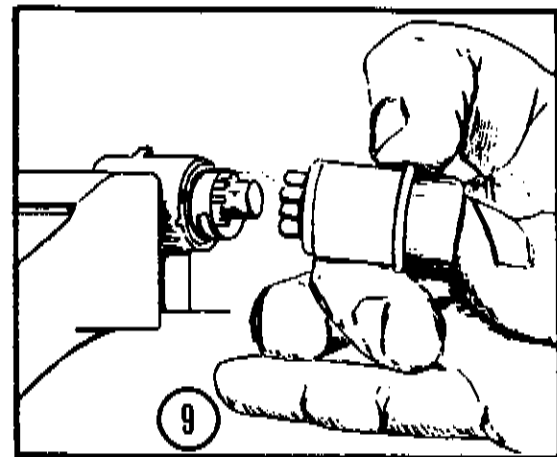
5. Place the preloaded coder into lock. It is slotted to go on the center shaft one way only.



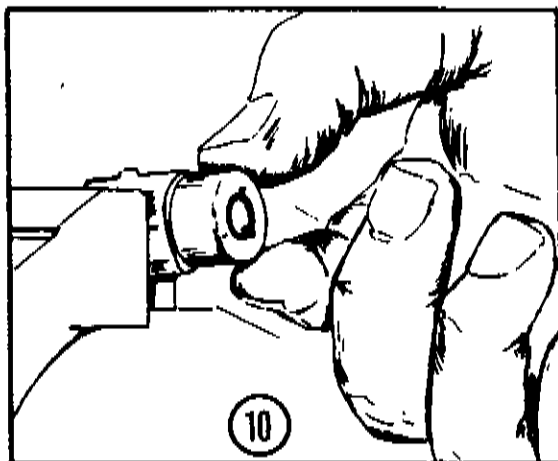
6. Place the loading tool into the coder. (It is slotted to fit one way only.)



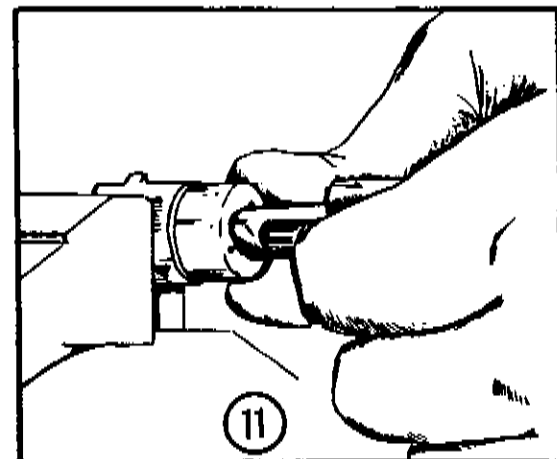
7. Press the new tumblers firmly into place.



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.

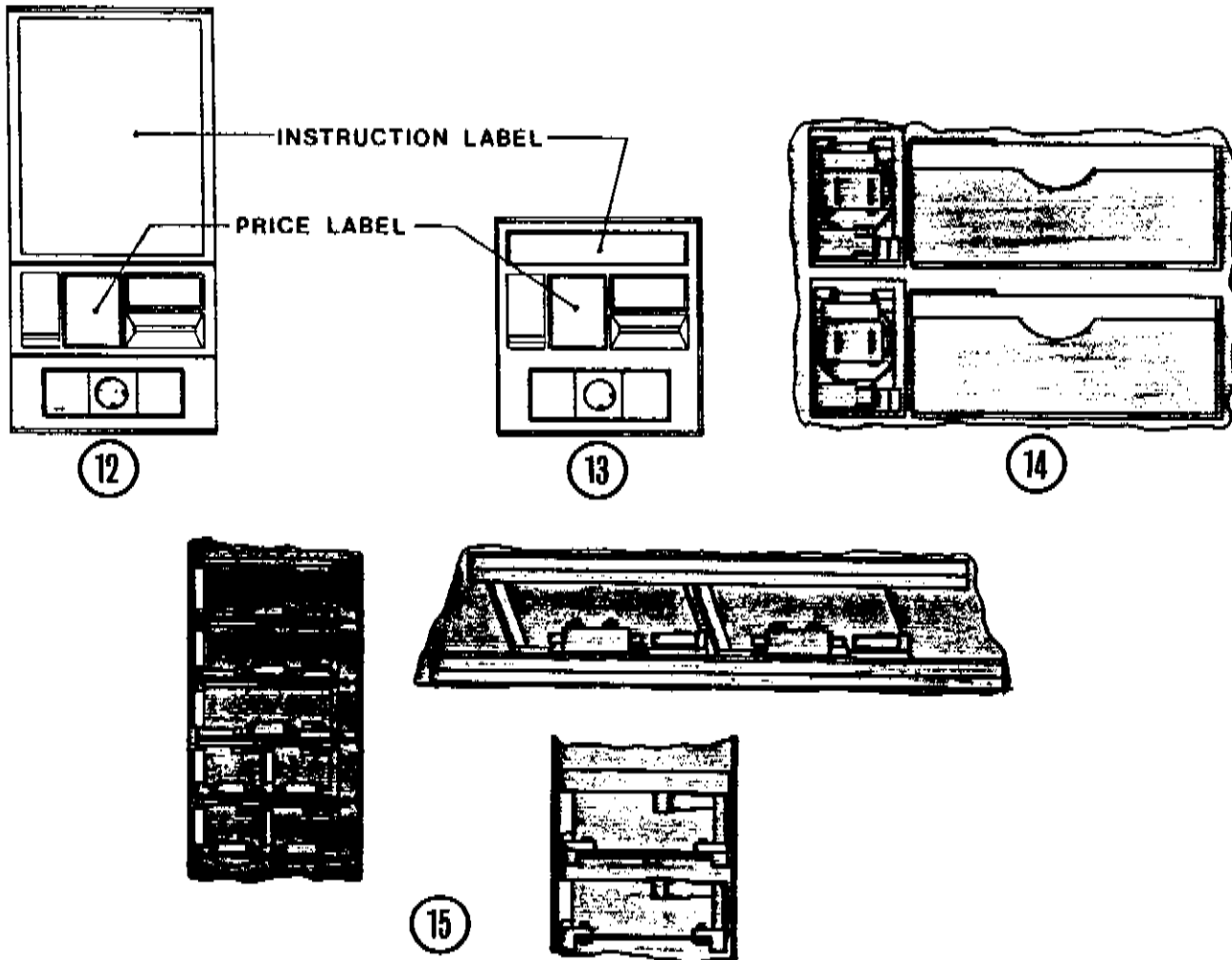
6. INSTALL INSTRUCTION, PRICE, & FLAVOR LABELS.

a) COIN INSERT INSTRUCTION LABEL

- 1) For venders WITH coin insert casting w/validator opening. Be sure front surface of validator plug and coin insert casting are clean and dry. Peel off backing paper and apply with firm pressure in position shown in FIGURE 12.
- 2) For vender WITHOUT coin insert casting w/validator opening. Be sure front surface of coin insert casting is clean and dry. Peel off backing paper and apply with firm pressure in position shown in FIGURE 13.

b) PRICE LABEL

Be sure coin insert castings is clean and dry. Peel off backing paper and apply with firm pressure in position shown in FIGURE 12 & 13.



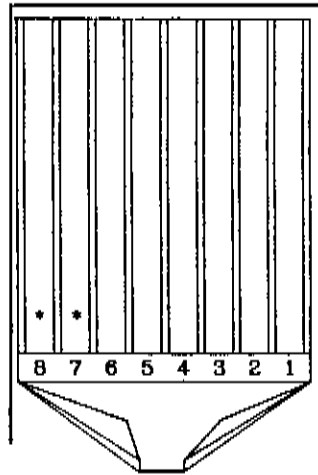
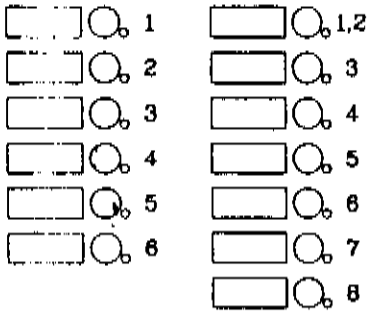
c) FLAVOR LABEL(S)

- 1) For venders with rectangle selection windows. Open inner door, then open coinage mounting door. Insert labels into top of selection window. See FIGURE 14.
- 2) For venders with rectangular/square selection buttons. Open inner door, then open coinage mountings door. Insert labels into selection buttons from the left side of button as facing back of opened outer door. See FIGURE 15.
- 3) **NOTE:** Be sure that labels in selection buttons or windows 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 number of columns.)

MODEL 312/264 MODEL
475,407,345

COL

COL



* WHEN USED

388481A

16

5,6,7,8 or 9 SEL.

WITH w/o
SLAVE SLAVE

1 & 2 1

3 2

4 3

5 4

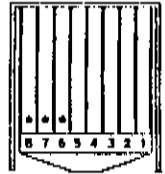
6 5

7 * 6

8 * 7

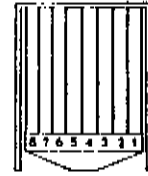
* 8

5,7 or 8 E-Z

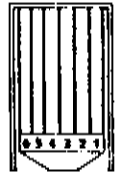


* WHEN USED

5+3 MAXI



4+2 MAXI

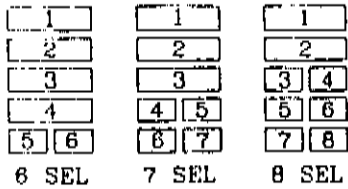


* WHEN USED

PUSH BUTTON - VEND COLUMN CONTROL
COMPARE YOUR PUSH BUTTON PANEL WITH NUMBER OF COLUMNS

187091 A

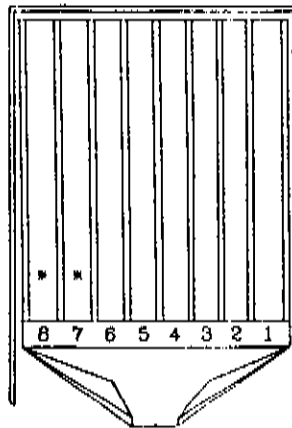
17



6 SEL

7 SEL

8 SEL

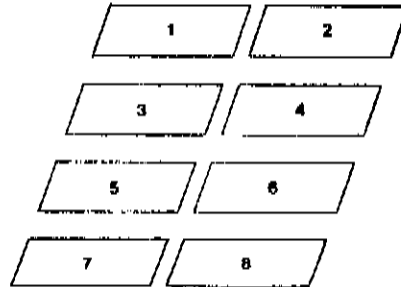


* WHEN USED

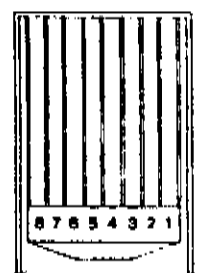
388481A

18

8 SELECT



5+3 MAXI



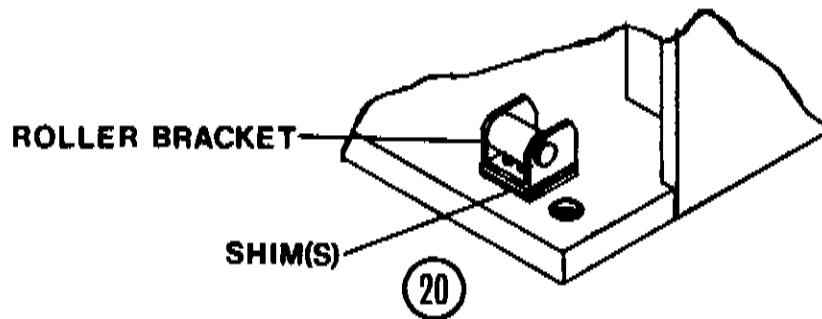
PUSH BUTTON - VEND COLUMN CONTROL
COMPARE YOUR PUSH BUTTON PANEL WITH NUMBER OF COLUMNS

387462A

19

7. CHECK DOOR SUPPORT (see FIGURE 20).

The door support may be raised or lowered, (by adding or removing shims), to insure that the outer door closes squarely to the cabinet. Raising or lowering door support can also help insure proper alignment of door latch.

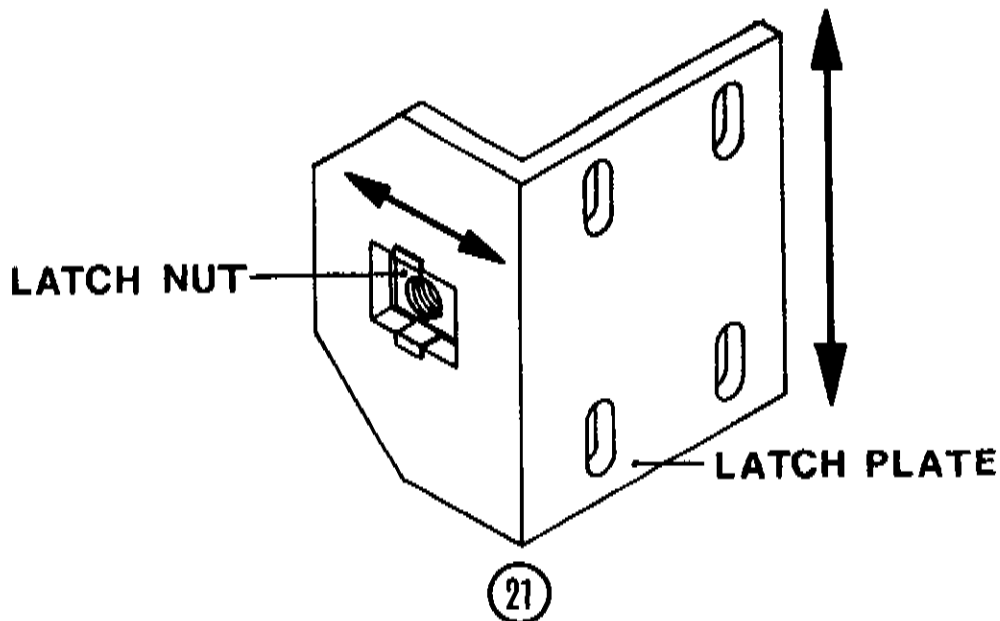


8. CHECK DELIVERY CHUTE ALIGNMENT.

The delivery chute may be raised or lowered to insure proper product delivery through the inner door eyelet to delivery hopper.

9. CHECK DOOR LATCH ALIGNMENT (see FIGURE 21).

After any door adjustments - check door latch for proper alignment and engagement. The door latch is adjustable by moving latch bracket (on cabinet), up or down and by positioning latch nut, (in latch bracket), left or right in slot. (Further up and down adjustment may be obtained by adding or removing shims from under door support.)

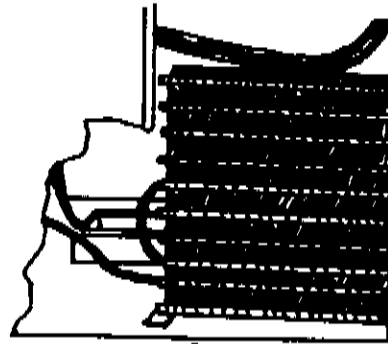


10. CHECK REFRIGERATION AREA.

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.

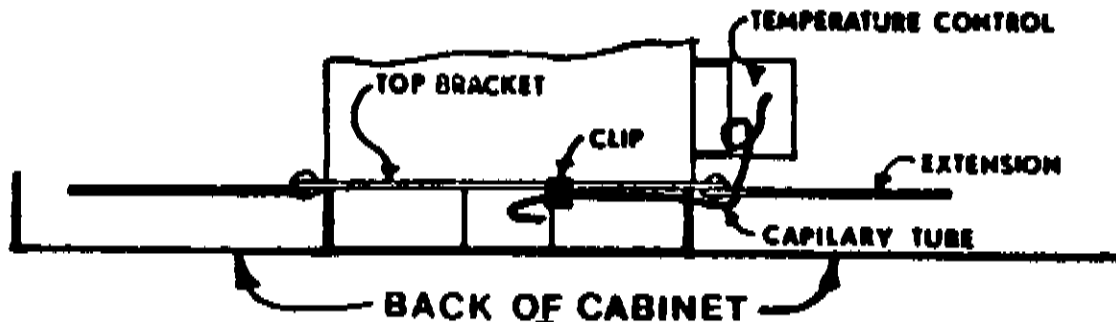
NOTE: Loop must be maintained in tubing for air "trap" purposes.

Vendo®



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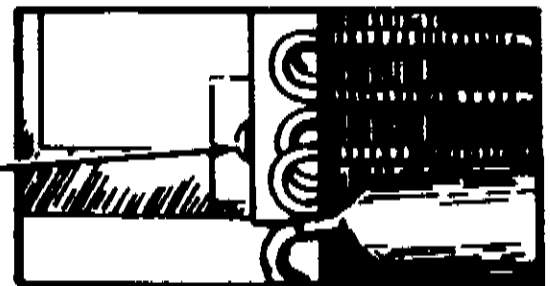
- b) **THERMOSTAT FEELER BULB POSITION:** in new production, as well as when replacing a refrigeration unit, it is possible to "distort" the position of the thermostat feeler tube. The feeler tube should be positioned as shown in FIGURE 23. It must not touch the rear cabinet wall or evaporator shield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



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- 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. On some venders you will have to remove a metal cover over this area to get to the control. Before adjusting the control, make sure that all components of the refrigeration system are working properly and that the door seal is tight. The factory setting will normally be with "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.)

TEMPERATURE CONTROL



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COLD



11. CHECK FLUORESCENT LAMPS.

Check to make sure that all fluorescent lamps are properly and securely seated in their sockets.

CAUTION: FOR ALL SINGLE PIN ("SLIMLINE") FLUORESCENT LAMPS IT WILL BE NECESSARY TO REPLACE BURNT OUT LAMPS AS SOON AS POSSIBLE (24 - 48 HOURS), TO PREVENT BALLAST FROM ALSO BURNING OUT.

12. CHECK ADJUSTMENTS OF VEND SWITCHES (see FIGURE 25).

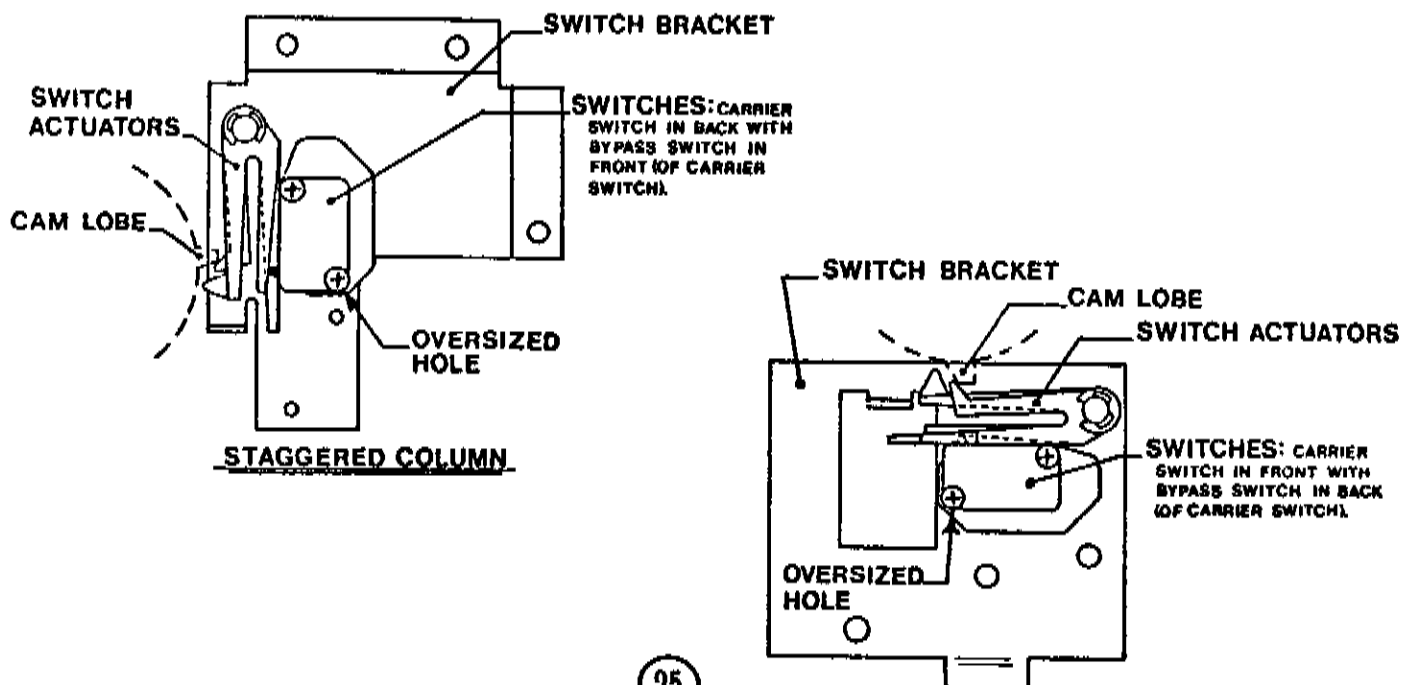
With cam lobe resting on the upper END surface of the motor carrier switch lever, adjust motor carrier and by-pass switches to insure proper switch actuation. (Screw mounting hole at the switch button end is oversized, the switches pivot on the opposite mounting screw.) The motor carrier switch is adjusted so that the switch button is fully depressed, but so that the switch lever does not touch the switch body. **NOTE:** This adjustment puts the motor carrier switch in its normally open (stand-by) position. The by-pass switch is adjusted (at the same time as motor carrier), so that its switch lever is touching (or resting against), the switch button, but NOT depressing the switch button. **NOTE:** This puts the by-pass switch in its normally closed (stand-by) position.

HOW SWITCH ACTION SHOULD OCCUR

At stand-by: Cam lobe rest on upper end surface of motor carrier switch lever, motor carrier switch in normally open position and by-pass switch in normally closed position. When the motor starts, the cam lobe leaves the carrier switch lever, motor carrier switch goes to normally closed position. The lobe passes over the by-pass switch lever, momentarily actuating the by-pass switch (to its normally open position, then returning to normally closed). The motor continues to run until a cam lobe once again returns motor carrier switch to its normally open position (actuates switch). At this time both switches should be at their initially adjusted positions.

NOTE: When adjusting switches, it is recommended that you check switch adjustment for each lobe on cam. Then readjust switches to a "nominal" position to achieve proper switch actuation at each lobe position.

NOTE: For a detailed description of the switch action refer to the electrical operation section of this manual.



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SINGLE COLUMN

13. If your vender is equipped with an Electronic Selection Board, be sure it is plugged in.

LOADING INSTRUCTIONS

I SINGLE DEPTH

A. Staggered (Wide) Column

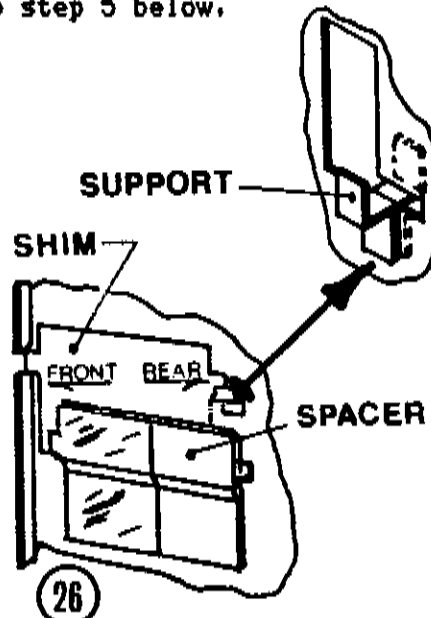
1. Move backspacer to maximum rear position.
2. Install shims and/or form spacers. (See FIGURE 26).

a) Installation of shim and/or form spacers are based on average diameter of products. See chart below.

Large Diameter Product: (Example: 16 oz. Polylabeled Bottle*)	DO NOT INSTALL
Medium Diameter Product: (Example: 12 oz. Returnable Bottle)	No form spacer 0 - 2 shims
Small Diameter Product: (Example: 10 oz. Returnable Bottle)	One form spacer 1 - 3 shims
NOTE: Number of shims and/or form spacers are <u>per side of column</u> .	

*Note: Requires usage of short sold out lever, stack brace, and 16 oz. bail bracket.

- b) Install spacer supports, one on each side of column (insert support in hole in rear of column, then slide back into slot).
- c) Hang shim and/or form spacers on support and in hole in front of stack. Spacers are designed for right and left sides of column. Stainless steel covered portion will go towards front and center of column.
- d) To determine proper spacing of product after shims and/or form spacers are installed, refer to step 5 below.

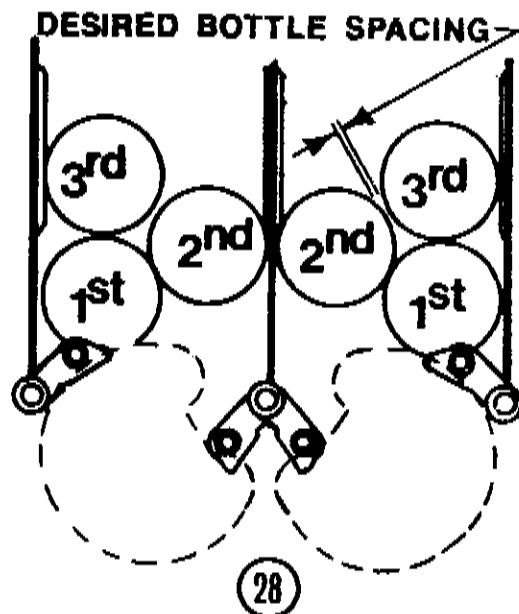
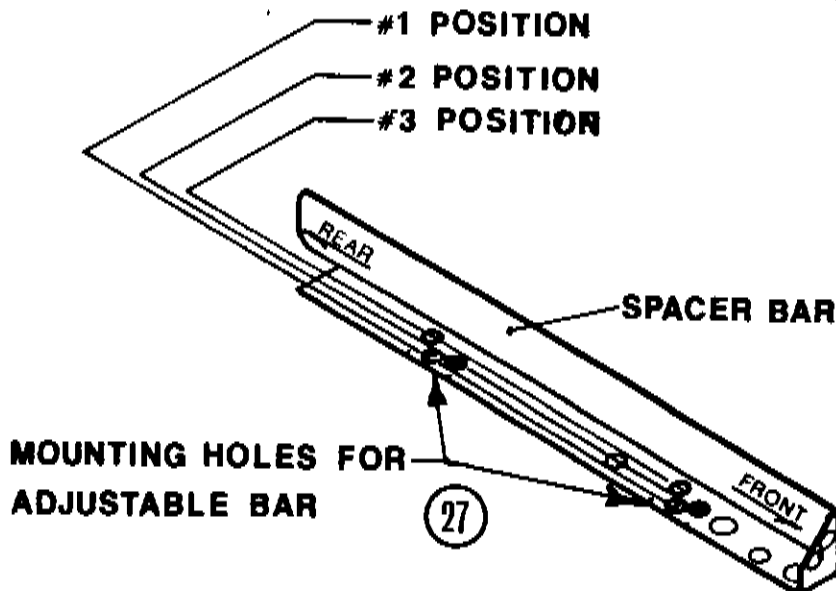


3. Position adjustable rail on spacer bar. See FIGURE 27.

- a) There is an adjustable rail on the spacer bar at the bottom of the partition on each side of the column. The chart below describes the "nominal" position of these rails as related to the average diameter of the products to be vended.

Small Diameter Product: (Example: 10 oz. Returnable Bottle)	in #2 Position
Medium Diameter Product: (Example: 12 oz. Returnable Bottle)	in #3 Position
Large Diameter Product: (Example: 16 oz. Polylabeled Bottle*)	DO NOT INSTALL
NOTE: These are "Nominal" positions only. The adjustable rail should be positioned to provide at least 1/8" clearance as the product passes through the spacer bar and the bail (vend space).	

*NOTE: Requires usage of short sold out lever, stack brace, and 16 oz. bail bracket.



4. Load first three (3) products. (See FIGURE 28)
 - a) Load first product on the lowering shelf which is in the UP position. Load as far forward as possible with the crown towards rear of column.
 - b) Load second product on opposite side of column and third product above the first.
5. Check each column for proper use of shims and form spacers.
 - a) Make check with only three (3) products in column.
 - b) Check the spacing between the largest parts (probably butts) of products #2 and #3 for a desired spacing of 1/8" (See FIGURE 28).
6. Check position of backspacer for approximately 1/2" spacing between product crown and backspacer. Adjust if necessary.
7. Continue to load column in staggered manner until at least 12 products have been loaded.
8. Test vend column until at least two (2) products vend.
9. Complete loading of column in staggered manner.

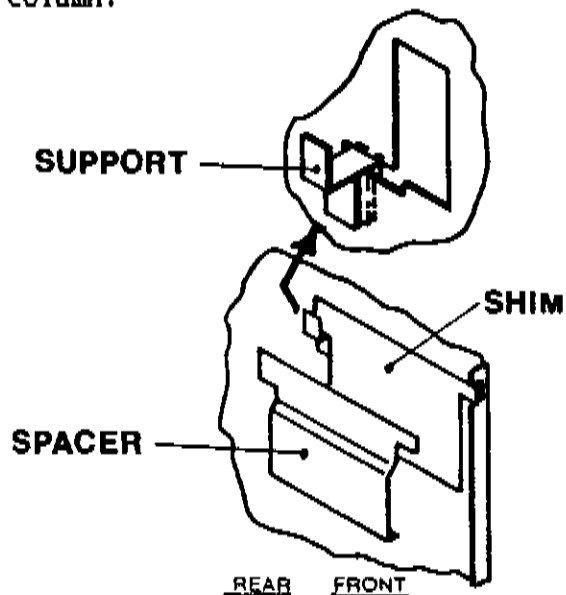
B. Single (Narrow) Column

1. Move backspacer to maximum rear position.
2. Install shims and/or form spacer on right side of column. (see FIGURE 29)
 - a) Installation of shims and/or form spacers are based on average diameter of products. See chart below.

Large Diameter Product: (Example: 16 oz. Polylabeled Bottle*)	No Form Spacer 0 - 2 shims
Medium Diameter Product: (Example: 12 oz. Returnable Bottles)	3/8" Form Spacer 0 - 2 shims
Small Diameter Product: (Example 10 oz. Returnable Bottle)	3/8" Form Spacer 1 - 3 shims

*NOTE: Requires usage of short sold out lever.

- b) Install spacer support in right rear side of column (insert support into hole, then slide back into slot).
 - c) Hang shims and/or form spacer with wide tab on spacer support and narrow tab in hole in front of stack.
3. Load product on blocking shelf as far forward as possible with crown towards rear of column.
4. Check backspacer for approximately 1/2" spacing between product crown and backspacer. Adjust if necessary.
5. Load at least six (6) products on top of first product.
6. Test vend column until at least two (2) products vend.
7. Complete loading of column.



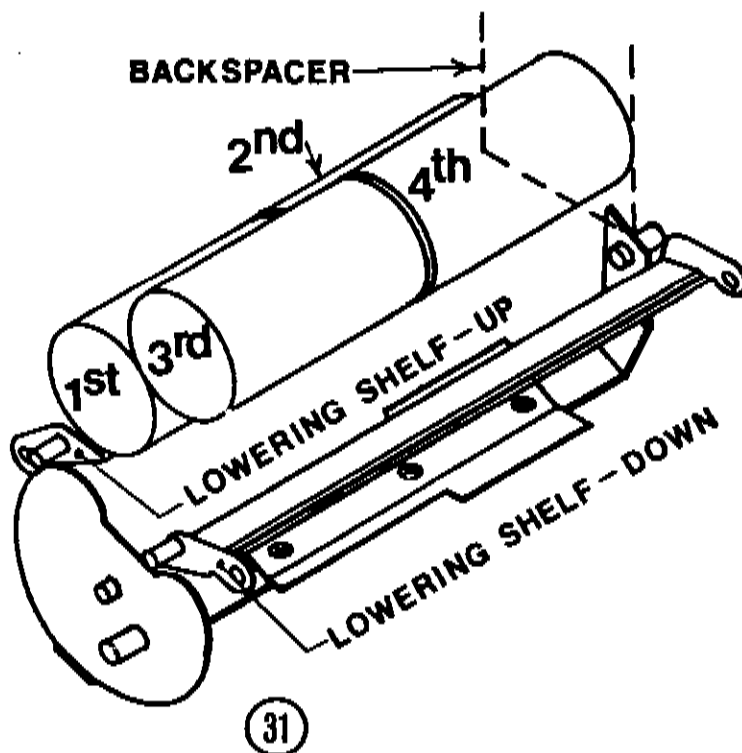
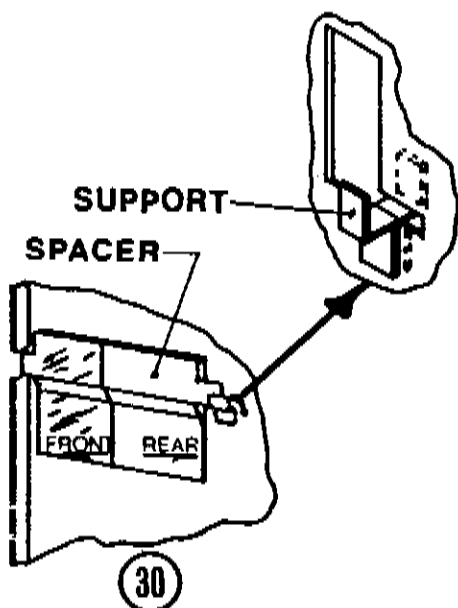
29

II DOUBLE DEPTH

A. Staggered (Wide) Column

NOTE: For 10 OZ. Cans: install two (2) stainless steel covered form spacers (one on each side of column). See FIGURE 30.
For all others: Use no shims or form spacers.

1. Move backspacer to maximum rear position.
NOTE: For 10 oz. poly-labeled bottles with plastic caps: rotate backspacer 180 degrees, then move to maximum rear position.
2. First two (2) products must be loaded on the lowering shelf which is in the "up" position. Place first product on the shelf as far forward as possible. Then load second product on the same shelf directly behind the first product. See FIGURE 31. NOTE: There must not be any product on the bail at this time during initial loading.
3. Check backspacer for approximately 1/2" spacing between second product and backspacer. Adjust if necessary.
4. Load next two (2) products on opposite side of column in the same manner as described in Step 2 above. (See FIGURE 31.)
5. Continue to load column in staggered manner until at least 12 products have been loaded.
6. Test vend column until at least four (4) products vend.
7. Complete loading of column in staggered pattern.
CAUTION: It is very important that care is taken when loading poly-labeled bottles. The bottle is not "flat sided" and will tend to crown down. If the front column crowns slide into the rear column while loading, jams may occur when interlocking columns reach the vend mech.

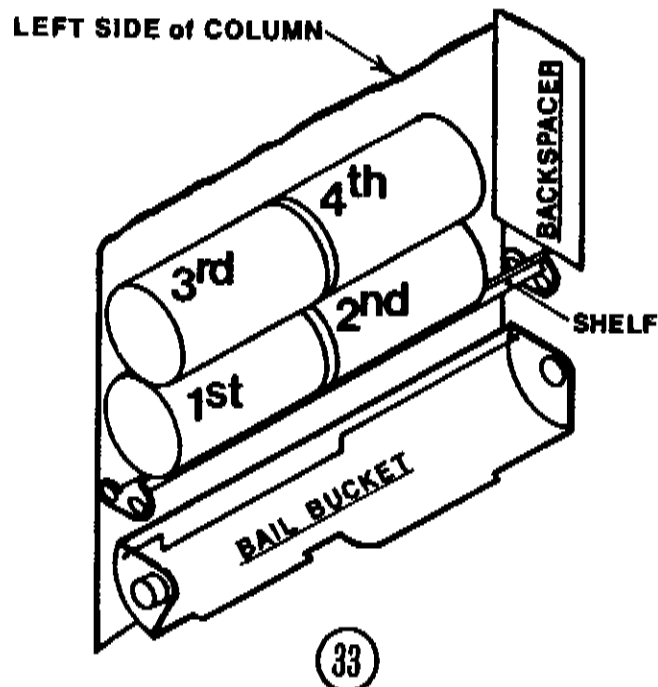
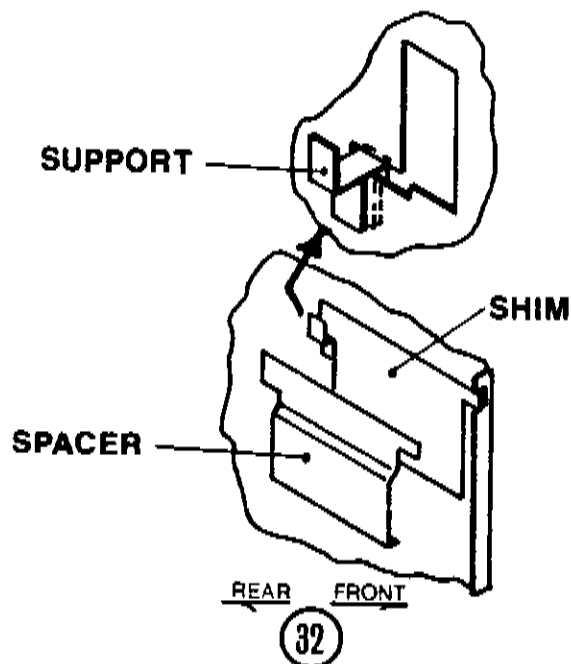


B. Single (Narrow) Column

1. Move backspacer to maximum rear position.
2. Install shims and/or form spacer on right side of column. See FIGURE 32.
 - a) Installation of shims and/or form spacers are based on average diameter of products. See chart below.

Large Diameter Product: (Example: 10 oz. Poly-labeled Bottle)	1/4" Form Spacer 0 - 1 shims
Medium Diameter Product: (Example: 12 oz. can)	1/4" Form Spacer 1 - 2 shims
Small Diameter Product: (Example: 10 oz. can)	3/8" Form Spacer 1 - 3 shims

- b) Install spacer support in right rear side of column (insert support into hole then slide back into slot).
 - c) Hang shims and/or form spacer with wide tab on support and narrow tab in hole in front of stack.
3. Load two (2) products on the blocking shelf. Place first product on the shelf as far as possible. Then load second product on the shelf directly behind the first product. (See FIGURE 33)
4. Check backspacer for approximately 1/2" spacing between second product and backspacer. Adjust if necessary.
5. Load at least ten (10) products on top of first two (2) products in the same manner as in Step 3 above.
6. Test vend column until at least for (4) products vend.
7. Complete loading of column.



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 all parts necessary are on hand. Kits are available to convert to various products, please refer to kit list in this manual (Page A5). Each kit will normally contain enough parts to convert entire machine to desired product.

These instructions are written in four basic categories, (I) Vender/Column preparation, (II) Typical (individual parts) conversion procedures, (III) Specific Product conversion procedures, (from one product to other products), (IV) Part - to Product usage guide.

I. PREPARATION STEPS

When converting vender from one product size to another the following "preparation steps" are necessary.

- A. Remove vend mech cover.
- B. Remove all product from the column(s) to be converted.
- C. Stop motor so that cam mounting screws are visible and not blocked by the drive link. Also, 1) For staggered (wide) column(s): the bail should be positioned directly at the bottom of the column to allow access to the bail bracket mounting screws; 2) for single (narrow) column(s): 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 (via lever).
- 2) Stopping motor in the desired position by removing one of the motor wires.

- D. CAUTION: REMOVE POWER FROM THE VENDER AND THE PROCEED AS REQUIRED.

II. TYPICAL PROCEDURES

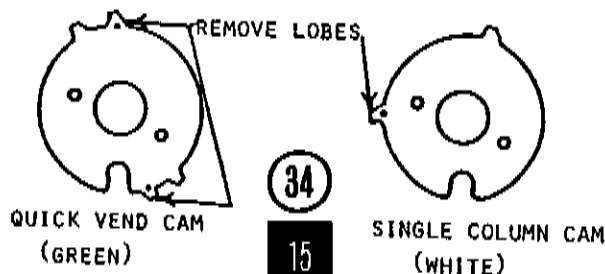
During the conversion process it will be necessary to re-position or install various parts. Although the parts may be different sizes used in different positions, their installation and/or re-positioning procedures will be similar.

The following is a description of the various procedures by part name. To determine what parts are used where refer to Section III of conversion instructions. (Addition parts usage may be found on the parts to product usage guide chart on page 75.)

NOTE: * - Indicates parts are installed in staggered (wide) columns only.
** - indicates parts are installed in single (narrow) columns only.

A. MOTOR CAM (See FIGURE 34).

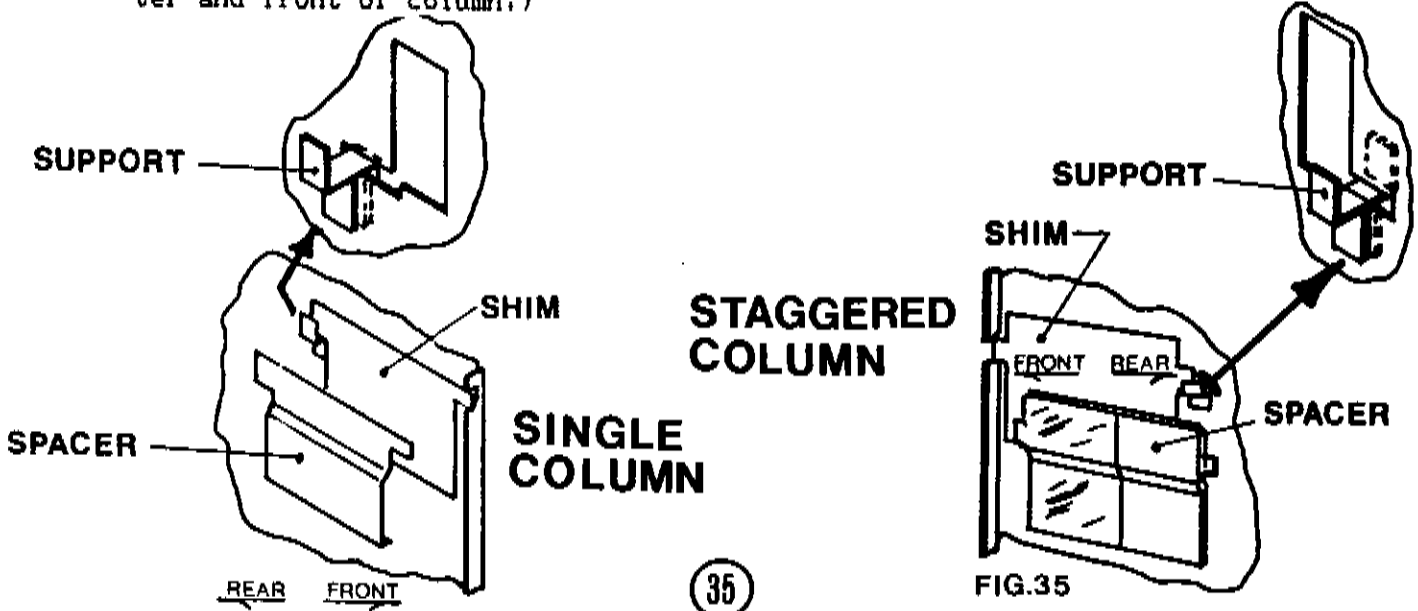
1. For double depth to single depth.
 - a) Remove cam from motor (save the two (2) screws)
 - b) Carefully break off the lobe(s) marked by a hole and scribe mark (refer to FIGURE 34).
 - c) Re-install cam on motor (use the two existing screws).
2. For single depth to double depth.
 - a) Replace modified (single depth) cam from motor (save the two (2) screws).
 - b) Re-install new (double depth) cam on motor (using the two (2) existing screws).



B. FORM SPACER AND SHIMS (See FIGURE 35).

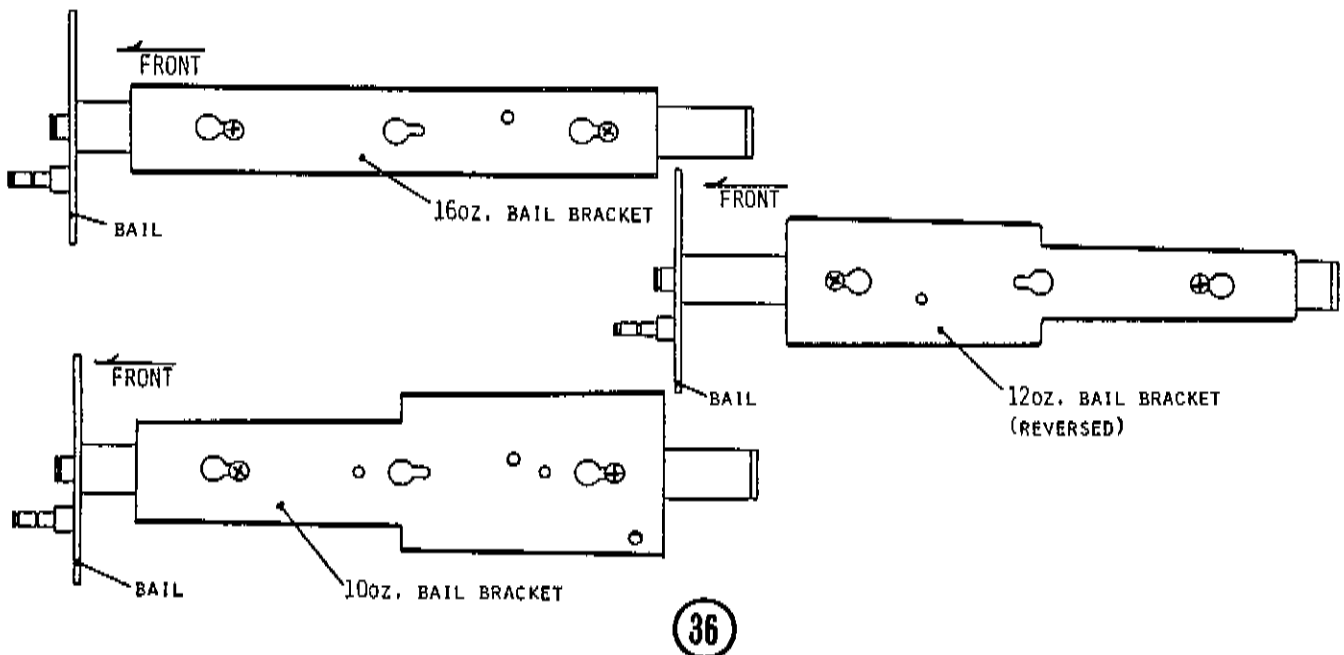
NOTE: For staggered (wide) columns form spacer and/or shim(s) are installed on each side of column. For single (narrow) columns form spacer and/or shim(s) are installed on right side of column only.

1. Install spacer support by inserting support into hole at rear of column partition. Then slide support back into slot.
 2. Hang form spacer and/or shim(s) on support and in hole in front of stack.
- NOTE:** Staggered (wide) column form spacers are designed for right and left sides of column. (install with stainless steel covered portion towards center and front of column.)



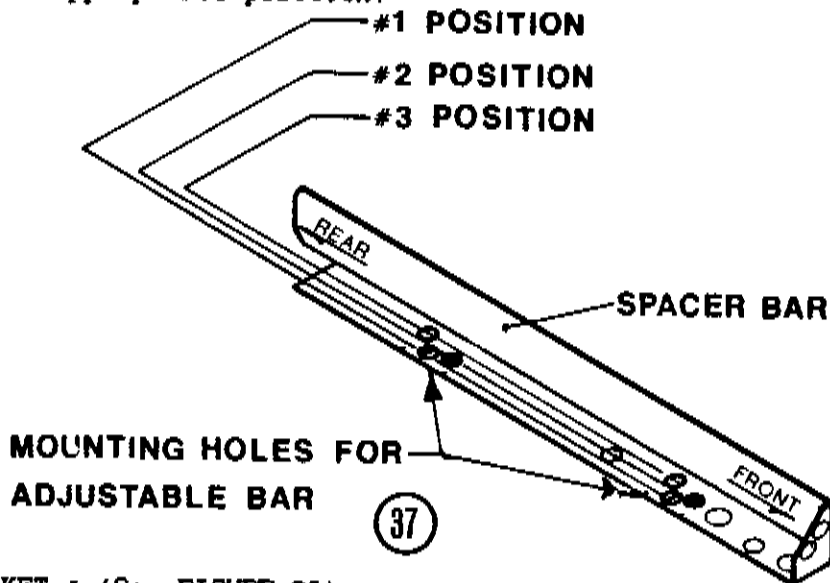
C. BAIL BRACKET * (See FIGURE 36)

1. Install two (2) tapping screws in bail so that the heads of the screws are on the top surface of bail bar. Do not fully install screws.
2. Install bail bracket by positioning large holes over screws, then sliding forward (or backward) so that screws slide into key slots.
3. Tighten down tapping screws, securing bail bracket to bail.



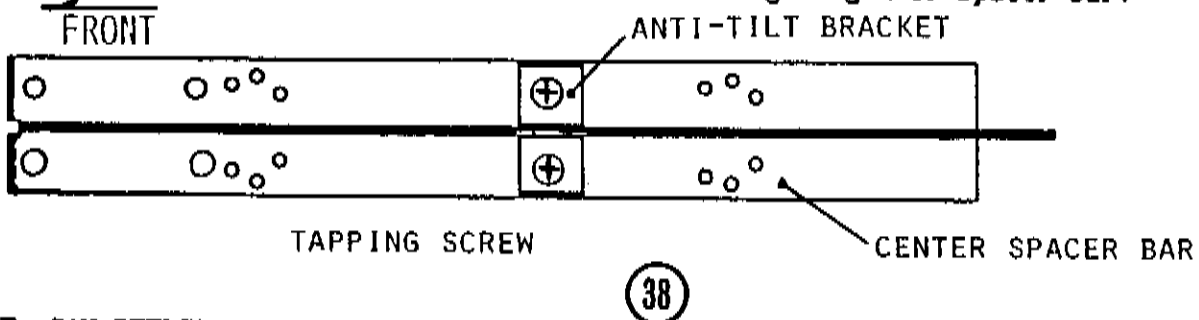
D. ADJUST RAIL * (See FIGURE 37).

Install adjustable rail on spacer bar (at bottom of partition) with straight edge towards center of column. Use two (2) tapping screws to secure (Note: Tapping screws tap into spacer bar). Install one rail per side of staggered (wide) column in appropriate position.



E. ANTI-TILT BRACKET * (See FIGURE 38)

Install anti-tilt bracket on spacer bar (at bottom of partition) with long leg of bracket facing up and towards center of column. Use a tapping screw to secure (Note: Tapping screw taps into spacer bar). Install one bracket per side of staggered (wide) column centered along length of spacer bar.

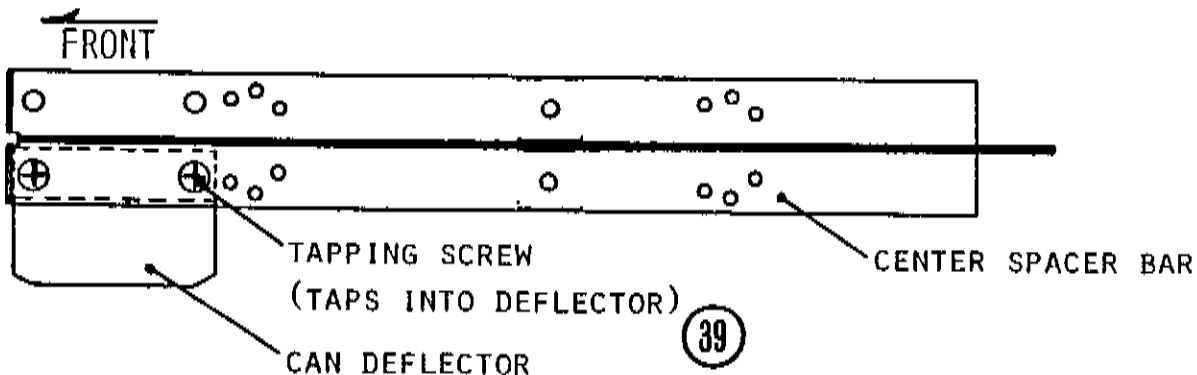


F. CAN DEFLECTOR * (See FIGURE 39)

Install can deflector to spacer bar (at bottom of partition) with long leg of deflector facing down and towards center of column. Use two (2) tapping screws to attach (Note: Screws tap into deflector through spacer bar). Install one deflector per staggered (wide) column towards front of column.

NOTE: For 4 + 2 machines: 1 on left side column 4, 1 on right side column 3, 1 on right side column 2.

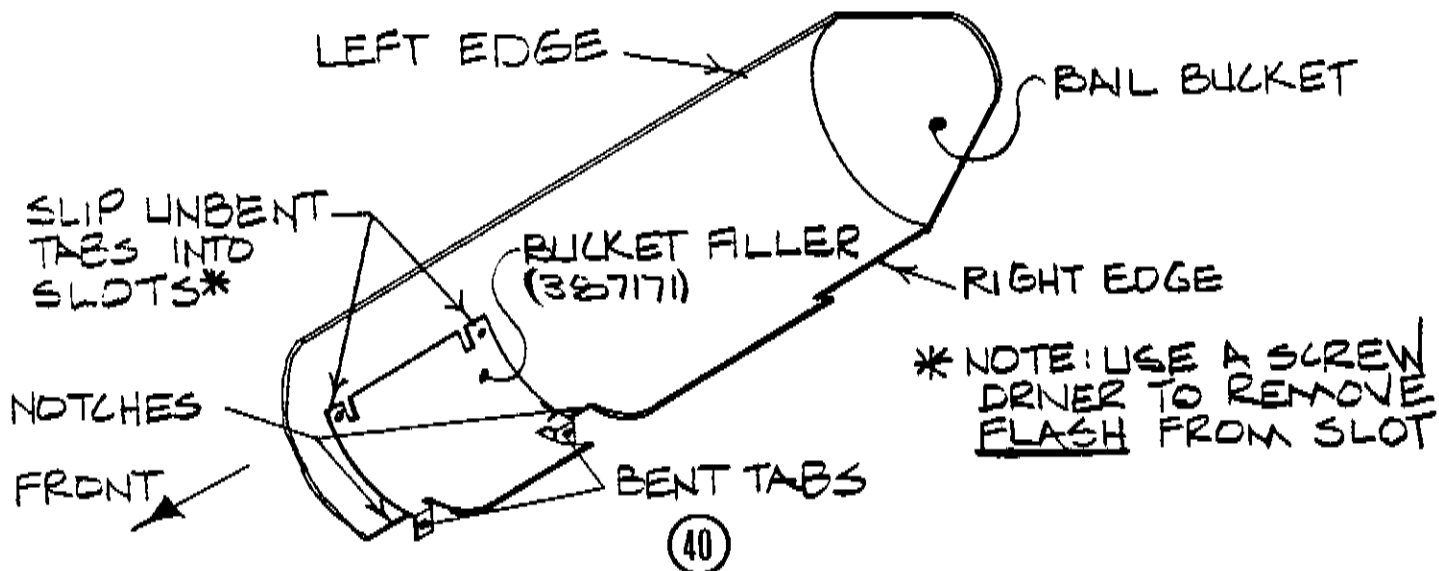
For 5 + 3 machines: 1 on left side column 5, 1 on right side column 4, 1 on right side column 3.



G. BUCKET FILLER ** (See FIGURE 40)

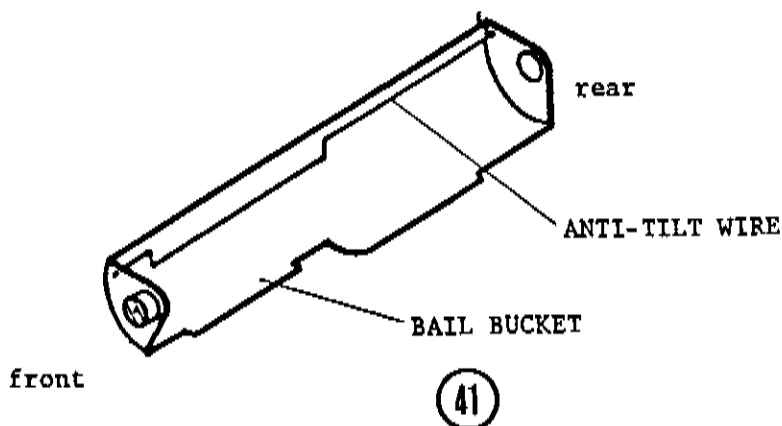
1. Knock out flashing from slots in bail bucket.
2. Slip unbent tabs of filler into slots.
3. Slip bent (@ 90 degrees) tabs of filler over notches on the right edge of bucket.
4. Secure filler to bucket by bending all four tabs.

CAUTION: Bucket filler must be tight into inside curve of bucket.



H. ANTI-TILT WIRE ** (See FIGURE 41)

Install anti-tilt wire in bail bucket by slipping each end of wire into hole in each end of bucket so that short square fold is towards front of column.



III. SPECIFIC PRODUCT CONVERSION PROCEDURES

NOTE: Refer to Typical Procedures (page 15 thru 18) for detailed information on how to perform the various functions described in to the following product procedures.

NOTE: Refer to kit list (page A5) and to parts-to-product guide (page 75) for a listing of various product kits. Each kit will normally contain all the parts necessary to convert entire machine to that product. Those kits that only convert one column are so indicated on respective list. Also each kit will contain detailed instructions on how to convert machines (or column) to that particular product.

NOTE: Refer to loading instructions for proper loading and adjustments of different product sizes.

A. FROM 10 OZ. CAN

1. to 12 oz. Can

Staggered Column

- a. Remove 10 oz. bail bracket, can deflector, and form spacers.
- b. Install 12 oz. bail bracket with wide flange towards rear of column.

Single Column

- a. Remove 3/8" form spacer and shims.
- b. Install 1/4" form spacer and 2 shims.

2. to 10 oz. Poly-labeled Bottle

Staggered Column

- a. Remove 10 oz. bail bracket, can deflector and form spacers.
- b. Install 12 oz. bail bracket with wide flange towards rear of column.

Single Column

- a. Remove 3/8" form spacer and shims.
- b. Install 1/4" form spacer.

3. to 16 oz. Poly-labeled Bottle

Staggered Column

- a. Remove 10 oz. bail bracket, can deflector, form spacers, and anti-tilt brackets.
- b. Install 16 oz. bail bracket.
- c. Replace sold-out lever with sold-out lever.
- d. Install stack brace.
- e. Modify cam to single depth.

Single Column

- a. Remove 3/8" form spacer, shims and anti-tilt wire.
- b. Install bucket filler.
- c. Replace sold-out lever with short sold-out lever.
- d. Modify cam to single depth.

4. to 10 oz. Returnable Bottle

Staggered Column

- a. Remove 10 oz. bail bracket, can deflector and anti-tilt brackets.
- b. Install 12 oz. bail bracket with wide flange towards front of column.
- c. Install 3 shims per side of column.
- d. Install adjustable rail in the # 2, 1 per side of column.
- e. Modify cam to single depth.

Single Column

- a. Remove anti-tilt wire.
- b. Install bucket filler.
- c. Replace flat backspacer with channeled backspacer.
- d. Modify cam to single depth.

5. to 16 oz. Returnable Bottle

Staggered Column

- a. Remove 10 oz. Bail Bracket, can deflector, form spacers, and anti-tilt wire.
- b. Install 12 oz. bail bracket with wide flange towards front of column.
- c. Modify cam to single depth.

Single Column

- a. Remove 3/8" form spacer, shims and anti-tilt wire.
- b. Install 1/4" form spacer and 2 shims.
- c. Install bucket filler.
- d. Replace flat backspacer with channeled backspacer.
- e. Modify cam to single depth.

B. FROM 12 OZ. CAN

1. to 10 oz. Can

Staggered Column

- a. Remove 12 oz. Bail Bucket.
- b. Install 10 oz. bail bracket with wide flange to rear of column.
- c. Install form spacers - 1 per side of column.
- d. Install can deflector (See page 17 for column used).

Single Column

- a. Remove 1/4" form spacer and shims.
- b. Install 3/8" form spacer and 3 shims.

2. to 10 oz. Polylabeled Bottle

Staggered Column

- a. No changes required.

Single Column

- a. Remove shims.

3. to 16 oz. Polylabeled Bottle

Staggered Column

- a. Remove 12 oz. bail bracket, and anti-tilt brackets.
- b. Install 16 oz. bail bracket.
- c. Replace sold out lever with short sold out lever.
- d. Install stack brace.
- e. Modify cam to single depth.

Single Column

- a. Remove 3/8" form spacer, shims and anti-tilt wire.
- b. Install bucket filler.
- c. Replace sold out lever with short sold out lever.
- d. Modify cam to single depth.

4. to 10 oz. Returnable Bottle

Staggered Column

- a. Remove anti-tilt Brackets.
- b. Remove 12 oz. bail bracket and re-install with wide flange to front of column.
- c. Install adjustable rail in the # 2 position, 1 per side of column.
- d. Install 1 form spacer with 3 shims per side of column.
- e. Modify cam to single depth.

Single Column

- a. Remove 1/4" form spacer, shims, and anti-tilt wire.
- b. Install bucket filler.
- c. Install 3/8" form spacer and 3 shims.
- d. Replace flat backspacer with channeled backspacer.
- e. Modify cam to single depth.

5. to 16 oz. Returnable Bottle

Staggered Column

- a. Remove anti-tilt brackets.
- b. Remove 12 oz. bail bracket and re-install with wide flange to front of column.
- c. Modify cam to single depth.

Single Column

- a. Remove anti-tilt wire.
- b. Install bucket filler.
- c. Replace flat backspacer with channeled backspacer.
- d. Modify cam to single depth.

C. FROM 10 OZ. POLYLABELED BOTTLE

1. to 10 oz. Can

Staggered Column

- a. Remove 12 oz. bail bracket.
- b. Install 10 oz. bail bracket with wide flange to front of column.
- c. Install form spacer - 1 per side of column.
- d. Install can deflector (see page 17 for columns used).

Single Column

- a. remove 1/4" form spacer.
- b. Install 3/8" form spacer and 3 shims.

2. to 12 oz. Can

Staggered Column

- a. No changes required.

Single Column

- a. Install 2 shims.

3. to 10 oz. Polylabelled Bottle

Staggered Column

- a. Remove 12 oz. bail bracket, and anti-tilt brackets.
- b. Install 16 oz. bail bracket.
- c. Replace sold-out lever with short sold-out lever.
- d. Install stack brace.
- e. Modify cam to single depth.

Single Column

- a. Remove 1/4" form spacer and anti-tilt wire.
- b. Install bucket filler.
- c. Replace sold-out lever with short sold-out lever.
- d. Modify cam to single depth.

4. to 10 oz. Returnable Bottle

Staggered Column

- a. Remove anti-tilt bracket.
- b. Remove 12 oz. bail bracket and re-install with wide flange to front of column.
- c. Install adjustable rail in the # 2 position, 1 per side of column.
- d. Install 1 form spacer and 3 shims per side of column.
- e. Modify cam to single depth.

Single Column

- a. Remove 1/4" form spacer and anti-tilt wire.
- b. Install bucket filler.
- c. Install 3/8" form spacer and 3 shims.
- d. Replace flat backspacer with channeled backspacer.
- e. Modify cam to single depth.

5. to 16 oz. Returnable Bottle

Staggered Column

- a. Remove anti-tilt bracket.
- b. Remove 12 oz. bail bracket and re-install with wide flange to front of column.
- c. Modify cam to single depth.

Single Column

- a. Remove anti-tilt wire.
- b. Install 2 shims.
- c. Install bucket filler.
- d. Replace flat backspacer with channeled backspacer.
- e. Modify cam to single depth.

D. FROM 16 OZ. POLYLABELLED BOTTLE

1. to 10 oz. Can

Staggered Column

- a. Remove 16 oz. bail bracket and stack brace.
- b. Install 10 oz. bail bracket with wide flange to rear of column.
- c. Install 1 form spacer per side of column.
- d. Install anti-tilt bracket, 1 per side of column.
- e. Install can deflector (see page 17 for columns used).
- f. Replace short sold-out lever with standard sold-out lever.
- g. Replace modified cam with new cam (double depth).

Single Column

- a. Remove Bucket filler.
- b. Install 3/8" form spacer and 3 shims.
- c. Install anti-tilt wire.
- d. Replace short sold-out lever with standard sold-out lever.
- e. Replace modified cam with new cam (double depth).

2. to 12 oz. Can

Staggered Column

- a. Remove 16 oz. bail bracket and stack brace.
- b. Install 12 oz. bail bracket with wide flange to rear of column.
- c. Install anti-tilt bracket, 1 per side of column.
- d. Replace short sold-out lever with standard sold-out lever.
- e. Replace modified cam with new cam (double depth).

Single Column

- a. Remove bucket filler.
- b. Install 1/4" form spacer and 2 shims.
- c. Install anti-tilt wire.
- d. Replace short sold-out lever with standard sold-out lever.
- e. Replace modified cam with new cam (double depth).

3. to 10 oz. Polylabeled Bottle

Staggered Column

- a. Remove 16 oz. bail bracket and stack brace.
- b. Install 12 oz. bail bracket with wide flange to rear of column.
- c. Install anti-tilt bracket, 1 per side of column.
- d. Replace short sold-out lever with standard sold-out lever.
- e. Replace modified cam with new cam (double depth).

Single Column

- a. Remove bucket filler.
- b. Install 1/4" form spacer.
- c. Install anti-tilt wire.
- d. Replace short sold out lever with standard sold-out lever.
- e. Replace modified cam with new cam (double depth).

4. to 10 oz. Returnable Bottle

Staggered Column

- a. Remove 16 oz. bail bracket and stack brace.
- b. Install 12 oz. bail bracket with wide flange to front of column.
- c. Install adjustable rail in the #2 position, 1 per side of column.
- d. Install 1 form spacer and 3 shims per side of column.
- e. Replace short sold-out lever with standard sold-out lever.

Single Column

- a. Install 3/8" form spacer and 3 shims.
- b. Replace flat backspacer with channeled backspacer.
- c. Replace short sold-out lever with standard sold-

5. to 16 oz. Returnable Bottle

Staggered Column

- a. Remove 16 oz. bail bracket and stack brace.
- b. Install 12 oz. bail bracket with wide flange to front of column.
- c. Replace short sold-out lever with standard sold-out lever.

Single Column

- a. Install 1/4" form spacer and 2 shims.
- b. Replace flat backspacer with channeled backspacer.
- c. Replace short sold-out lever with standard sold-out lever.

E. FROM 10 OZ. RETURNABLE BOTTLE

1. to 10 oz. Can

Staggered Column

- a. Remove 12 oz. bail bracket, adjustable rails, and shims.
- b. Install 10 oz. bail bracket with wide flange to rear of column.
- c. Install anti-tilt bracket, 1 per side of column.
- d. Install can deflector (See page 17 for columns used).
- e. Replace modified cam with new cam (double depth).

Single Column

- a. Remove bucket filler.
- b. Install anti-tilt wire.
- c. Replace channeled backspacer with flat backspacer.
- d. Replace modified cam with new cam (double depth).

2. to 12 oz. Can

Staggered Column

- a. Remove adjustable rails, form spacers, and shims.
- b. Remove 12 oz. bail bracket and re-install with wide flange to rear of column.
- c. Install anti-tilt bracket, 1 per side of column.
- d. Replace modified cam with new cam (double depth).

Single Column

- a. Remove bucket filler, 3/8" form spacer, and shims.
- b. Install 1/4" form spacer and 2 shims.
- c. Install anti-tilt wire.
- d. Replace channeled backspacer with flat backspacer.
- e. Replace modified cam with new cam (double depth).

3. to 10 oz. Polylabeled Bottle

Staggered Column

- a. Remove adjustable rails, form spacers, and shims.
- b. Remove 12 oz. bail bracket and re-install with wide flange to rear of column.
- c. Install anti-tilt bracket, 1 per side of column.
- d. Replace modified cam with new cam (double depth).

Single Column

- a. Remove bucket filler, 3/8" form spacer, and shims.
- b. Install 1/4" form spacer
- c. Install anti-tilt wire.
- d. Replace channeled backspacer with flat backspacer.
- e. Replace modified cam with new cam (double depth).

4. to 16 oz. Polylabeled Bottle

Staggered Column

- a. Remove 12 oz. bail bracket, form spacers, shims, and adjustable rails.
- b. Install 16 oz. bail bracket.
- c. Replace sold-out lever with short sold-out lever.
- d. Install stack brace.

Single Column

- a. Remove 3/8" form spacer and shims.
- b. Replace sold-out lever with short sold-out lever.
- c. Replace channeled backspacer with flat backspacer.

5. to 16 oz. Returnable Bottle

Staggered Column

- a. Remove adjustable rails, form spacers, and shims.

Single Column

- a. Remove 3/8" form spacer and shims.
- b. Install 1/4" form spacer and 2 shims.

F. FROM 16 OZ. RETURNABLE BOTTLE

1. to 10 oz. Can

Staggered Column

- a. Remove 12 oz. bail bracket.
- b. Install 10 oz. bail bracket with wide flange to rear of column.
- c. Install form spacer, 1 per side of column.
- d. Install anti-tilt bracket, 1 per side of column.
- e. Install can deflector (See page 17 for column used).
- f. Replace modified cam with new cam (double depth).

Single Column

- a. Remove bucket filler, 1/4" form spacer, and shims.
- b. Install anti-tilt wire.
- c. Install 3/8" form spacer and 3 shims.
- d. Replace channeled backspacer with flat backspacer.
- e. Replace modified cam with new cam (double depth).

2. to 12 oz. Can

Staggered Column

- a. Remove 12 oz. bail bracket and re-install with wide flange to rear of column.
- b. Install anti-tilt bracket, 1 per side of column.
- c. Replace modified cam with new cam (double depth).

Single Column

- a. Remove bucket filler.
- b. Install anti-tilt wire.
- c. Replace channeled backspacer with flat backspacer.
- d. Replace modified cam with new cam (double depth).

3. to 10 oz. Polylabeled Bottle

Staggered Column

- a. Remove 12 oz. bail bracket and reinstall with wide flange to rear of column.
- b. Install anti-tilt bracket, 1 per side of column.
- c. Replace modified cam with new cam (double depth).

Single Column

- a. Remove bucket filler and shims.
- b. Install anti-tilt wire.
- c. Replace channeled backspacer with flat backspacer.
- d. Replace modified cam with new cam (double depth).

4. to 16 oz. Polylabeled Bottle

Staggered Column

- a. Remove 12 oz. bail bracket.
- b. Install 16 oz. bail bracket.
- c. Install stack brace.
- d. Replace sold-out lever with short sold-out lever.

Single Column

- a. Remove 1/4" form spacer and shims.
- b. Replace sold-out lever with short sold-out lever.
- c. Replace channeled backspacer with flat backspacer.

to 10 oz. Returnable Bottle

Staggered Column

- a. Install adjustable rail in the #2 position, 1 per side of column.
- b. Install 1 form spacer and 3 shims, per side of column.

Single Column

- a. Remove 1/4" form spacer and shims.
- b. Install 3/8" form spacer and 3 shims.

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) Detailed mechanical vend cycle - staggered (wide) columns;
- (II) Detailed mechanical vend cycle - single (narrow) columns;
- (III) Detailed electrical vend cycle - (including step by steps);
- (IV) Refrigeration operation and cycle.

I. MECHANICAL OPERATIONS - STAGGERED (WIDE) COLUMNS.

A. Parts Description. See FIGURE 42.

1. Motor (P/N 385418)

The motor is shaded pole, 115 volt, 60 hertz, impedance protected with spring type (with pad) brake system. It is mounted to the front of the stack, centered on each column. When a selection is made, the motor rotates the bail, via the link assembly. Its run time is controlled by the motor cam and the motor switch assembly.

2. Motor Cam (P/N 387350)

The motor cam is molded green, high impact polystyrene. It has four (4) lobes, two of which can easily be (permanently) removed; The cam is mounted to the motor assembly with two screws. It also actuates the motor carrier and by-pass switches, via the switch actuator levers. It also retains the link assembly to the motor assembly.

3. Switch Levers (P/N 384842, Motor Carrier; P/N 384843, By-Pass)

The switch levers are molded black high impact polystyrene. They are mounted to the switch bracket so that when the lobes of the motor cam pass over the "lobes" of the levers, the motor switches are actuated.

4. Motor Carrier Switch (P/N 368299)

The Carrier Switch is 10 AMP., 125/250 volt switch with a plastic "Knob" actuator. It is mounted to the switch bracket behind the by-pass switch. It is mounted so that it is actuated when its switch lever is "pressed" upon by a motor cam lobe. The carrier switch provides a circuit to run the motor.

5. By-Pass Switch (P/N 368299)

The By-Pass switch is a 10 AMP., 125/250 volt switch with a plastic "Knob" actuator. It is mounted to the switch bracket in front of the carrier switch. It is mounted so that it is actuated when its switch lever is "pressed" upon by a motor cam lobe. The by-pass switch provides a safety circuit in case of a product jam or motor failure.

6. Electronic Selection Board (P/N 387879 or P/N 388368)

The purpose of the Electronic Selection Board is to insure an immediate response to the selection made. (It is not to be trouble shooted, due to the complex circuitry involved.) See trouble shooting section.

7. Switch Bracket (P/N 131989)

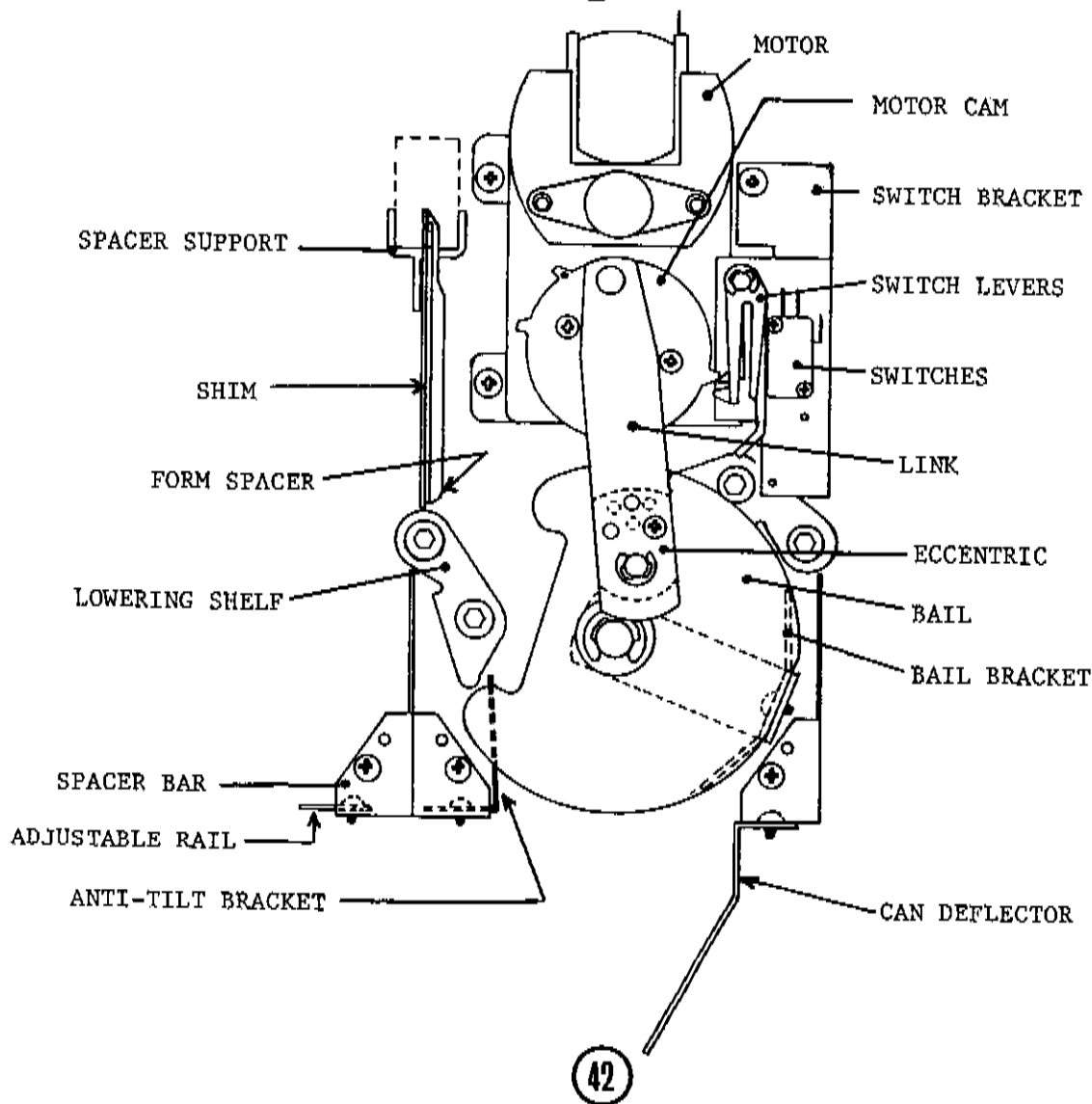
The switch bracket is mounted to the stack, to the right side of the motor assembly. It provides a mounting platform for the motor switches and switch levers.

8. Link Assembly (P/N 132260)

The link is mounted to the motor (hub) assembly and to the bail. It is held in place on the motor assembly by the motor cam and on the bail by an "E" ring retainer. The link transmits the rotational force of the motor to an up and down "rocking" force to the bail.

9. Eccentric (P/N 385983)

The Eccentric is mounted to the link assembly at the bail end. By adjusting the eccentric left or right increases or decreases "length of travel" of link to maintain an equal left and right travel of bail.



10. BAIL (P/N 131578)
The bail is mounted inside the stack and to the link. It is supported in the rear by a pin and in the front by a staked in brass bushing. It is secured in place by an "E" ring retainer. The bail and bail bracket receives the product from the lowering shelves. When rotated (rocked in an 140 degree total arc), the bail delivers product to the delivery chute.
11. Bail Bracket (P/Ns: 12 oz. = 387282; 10 oz. = 387462, 16 oz. = 387283)
The Bail Bracket is mounted directly to the bail with either the wide flange forward (single depth) or at the rear of column (double depth). Along with spacer bar provides support for "next to be vended" product.
12. Lowering Shelf (P/Ns: Left - 123916-1; Right - 124255-1)
The Lowering Shelves are mounted to the inside of the stack, one on each side of column. They are supported in the rear by a pin and in front by a screw. The shelves support product in column and deposit product to bail area. They are raised and lowered by rotating bail.
13. Spacer Bar (P/Ns: Left - 387281; Right - 387427; Center - 132828)
The Spacer Bars are mounted inside of the stack, one directly beneath each staggered column partition. They are inserted into a slot in rear of stack, and supported by screws in front. Along with the bail bracket provides support for "next to be vended" product.

14. Adjustable Rail (P/N 387279)
The Adjustable Rail is mounted to the spacer bar with two screws. It provides support for "next to be vended" product in a single depth mode. It adjusts the space between spacer bar and bail bracket to hold smaller diameter products.
15. Form Spacer (P/Ns: Left - 106284-1; Right - 106284-2)
The Form Spacers are mounted on a support spacer in rear of column and in slot in front of stack. They are used to control column width just prior to vend mechanism. They are designed for right and left sides of column with stainless steel covered portion towards front and center of column.
16. Shims (P/N 370864)
The Shims are mounted on a support spacer in rear of column in slot in front of stack, and behind form spacers. They are used to provide additional column width control.
17. Spacer Supports (P/Ns: Center - 384990; End - 385593)
Spacer Supports are mounted in slot in rear of each column partition. They are used as a rear support of form spacers and shims.
18. Anti-Tilt Bracket (P/N 387319)
The Anti-Tilt Bracket is the bracket mounted to the center of the spacer bar, one on each side of column. It is used on double depth mode (only) to prevent rear product for sliding into front product space and "free" vending when machine is tilted forward.
19. Can Deflector (P/N 387352 [10 oz. cans only])
The Can Deflector is mounted to the front of the spacer in the center columns. It is used on double depth mode (only) to prevent cans from "standing up" on delivery chute.

B. Mechanical Vend Cycle

The following vend cycles for "double" and "single" depth, describe what occurs mechanically when the motor is started (electrically). For a detailed description of what occurs electrically refer to the electrical vend-cycles and step by steps (pages 35 thru 48). For parts identification refer to FIGURE 42, Page 28 and parts descriptions pages 27 thru 29.

Each column consists of an individual motor assembly and switches, which are controlled by the coin mechanism, credit relay and the selection switch circuit. Mechanically the column vend mechanism consists of a link assembly, bail assembly, lowering shelves, and spacer bars.

1. Double Depth: When vending any product double depth, the motor cam (green) will have four lobes. The column will vend four products for each 360 degree rotation of the motor cam.

With the column properly loaded and primed, there will be two products supported between a bail bracket (on the bail) and a spacer bar (at the bottom of the partition). One lowering shelf will be DOWN. The opposite shelf will be UP, supporting the remaining product in that column.

On the first vend, from this "start" position, the motor will rotate the bail just enough to release the FRONT product, to the delivery chute, then stop. On the next vend, the REAR product is "VENDED", the motor continues to run (rotating the bail). The "Up" shelf is lowered depositing two (2) products on the bail. The "Down" shelf is raised to support the remaining product in the column. This process is repeated on the third and fourth vends, returning the lowering shelves to their original positions.

This entire process, vending two products from each side of column, is repeated for every 360 degree rotation of the motor cam.

2. Single Depth: When vending any product single depth, the motor cam (white) will have two lobes. The column will vend two products every 360 degrees rotation of the motor cam.

With the column properly loaded and primed, there will be one product supported between a bail bracket (on the bail) and a spacer bar (at the bottom of the partition). One lowering shelf will be DOWN. The opposite shelf will be UP, supporting the remaining product in that column.

When the bail is rotated by the motor, the product on the bail is deposited to the delivery chute. The motor continues to run, lowering the "Up" shelf, depositing a product to the bail. The "Down" shelf is raised to support the remaining product in column. The motor stops. On the next vend, this process is repeated from the opposite side of column.

The entire procedure, vend one product from each side of column is repeated for every 360 degree rotation of the motor cam.

II. MECHANICAL OPERATION - SINGLE (NARROW) COLUMNS.

A. Parts Descriptions. See FIGURE 43

1. Motor (P/N 385418)

The Motor is a shaded pole, 115 volt, 60 hertz, impedance protected with a spring type (with pad) brake system. It is mounted to the front of the stack, centered on the column. The motor rotates the bail bucket (via the link and crank assemblies). its run time is controlled by the motor cam and motor switches.

2. Motor Cam (P/N 385893)

The Motor Cam is molded white, high impact polystyrene. It has two (2) lobes, one of which can easily be (permanently) removed. It is mounted to the motor assembly with two screws. The cam actuates the motor carrier and by-pass switches, via the switch actuator levers.

3. Switch Levers (P/N: Motor Carrier - 385623; By-Pass - 385624)

The Switch Levers are molded black high impact polystyrene. They are mounted to the switch bracket so that when the lobes of the motor cam pass over the "lobes" of the levers, the motor switches are actuated.

4. Motor Carrier Switch (P/N 368299)

The Carrier Switch is 10 AMP, 125/250 volt switch with a plastic "knob" actuator. It is mounted to the switch bracket in front of the by-pass switch. The carrier switch is mounted so that it is actuated when its switch lever is "pressed" upon by the motor cam. The carrier switch provides a circuit to run the motor.

5. By-Pass Switch (P/N 368299)

The By-Pass Switch is a 10 AMP, 125/250 volt switch with a plastic "knob" actuator. It is mounted to the switch bracket behind the motor carrier switch. The by-pass switch is mounted so that it is actuated when its switch lever is "pressed" upon by the motor cam. It provides a safety circuit in the event of a product jam or motor failure.

6. Switch Bracket (P/N 132028)

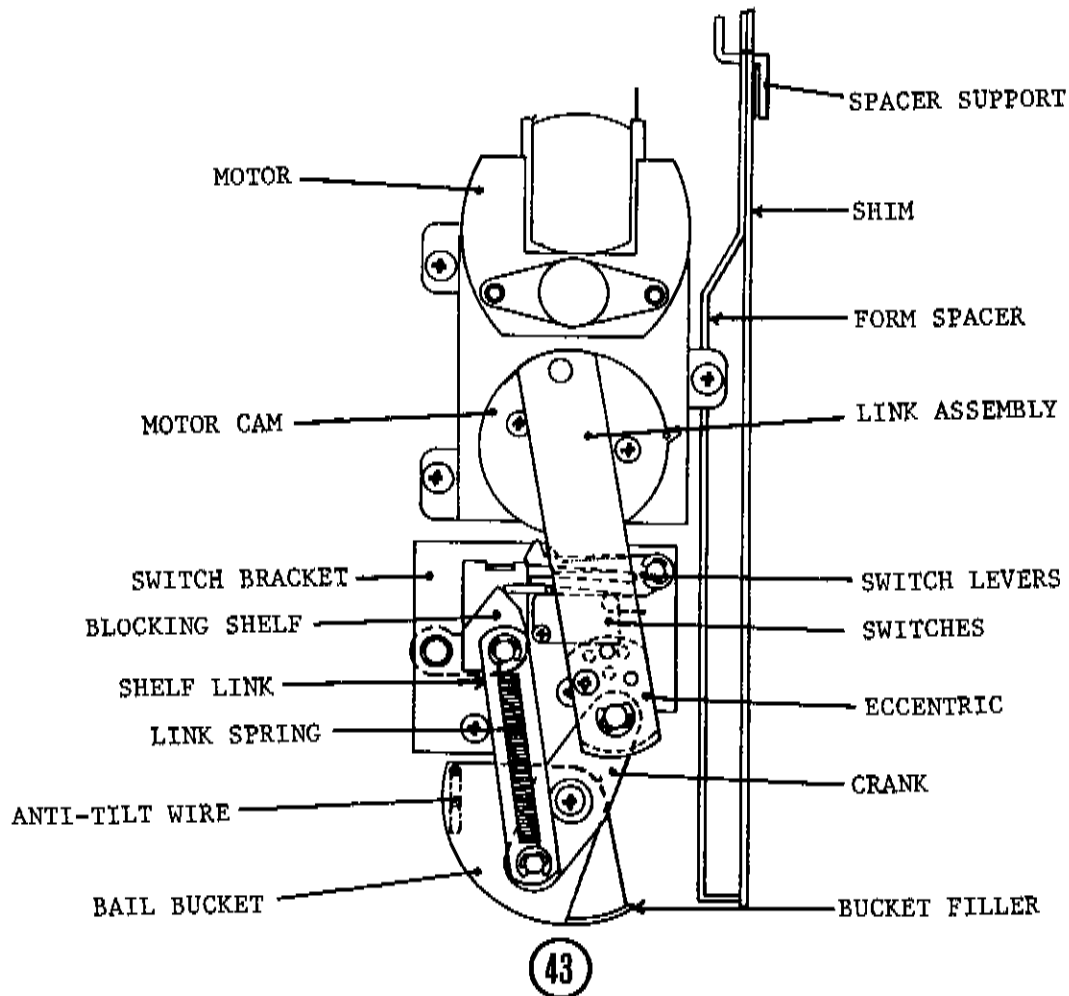
The Switch Bracket is mounted to the stack front mech plate, between the mech plate, crank and link assemblies. It is held in place by two screws. The switch bracket provides a mounting platform for the motor switches and switch levers. Also provides front mounting pin for blocking shelf and "traps" front pivot of bail bucket in place.

7. Link Assembly (P/N 132819)

The Link is mounted to the motor (hub) assembly and to the crank. It is held in place by the motor cam on the motor and by an "E" ring retainer on the crank. The link transmits the rotational force of the motor to an up and down force to the crank.

8. Eccentric (P/N 385593)

The Eccentric is mounted to the crank end of the link assembly. By adjusting the eccentric left or right, increases or decreases "length of travel" of link and crank. This is used to compensate for wear or any deviation in the column.



9. Crank (P/N 131988)
 The crank is mounted directly to the bail bucket. It is held in place by a washer head screw fastened to the bail bucket. The crank provides an 180 degree arc rotational force to the bail via the link assembly. It also provides an up and down force to the shelf link.
10. Bail Bucket (P/N 385589)
 The Bail Bucket is mounted inside the stack and to the crank. It is supported by a nylon bushing at both front and rear pivot points. The bucket is "secured" in place by the switch bracket assembly. It receives the product from the column and delivers it to the column when rotated.
CAUTION: BAIL BUCKET MUST BE INSTALLED SO THAT BUCKET IS 'OPEN' TOWARDS TOP RIGHT SIDE OF COLUMN.
11. Shelf Link (P/N 385580)
 The blocking Shelf Link is mounted to the crank and blocking shelf and retained by an "E" ring retainer at each end. The slotted end attaches to the crank. The link drives the blocking shelf up and down as the crank is pivoted.
12. Blocking Shelf (P/N 387197)
 The blocking shelf is mounted inside the stack. It pivots on two pins, one at the rear of the stack, the other is part of the switch bracket assembly. It provides support for product in the column. The shelf is raised to allow product into the bail area, and lowered to provide product support. It is raised and lowered by the shelf link, which is assisted by a spring.

13. Link Spring (P/N 385728)
The Spring is mounted directly to the shelf pin and crank (link) pin. The spring provides a downward tension for the blocking shelf.
14. Form Spacer (P/N 1/4" = 387231; 3/8" - 387258)
The Form Spacer is mounted on the right side of column, in hole in front of stack and on a spacer support, in rear of column. They are used to control the column width in the vend mechanism area. They are designed so that the wide tab rests on support, narrow tab in hole in front of stack and bottom lips edge flush against partition wall (or shim).
15. Shim (P/N 387230)
The Shims are mounted directly behind the form spacer. The shim(s) are used to provide additional column width control in the vend mechanism area.
16. Spacer Support (P/N 385593)
The Support is mounted on right side of column in rear. It is used as the rear support for the form spacer and shims(s)
17. Anti-Tilt Wire (P/N 387391)
The Anti-Tilt Wire is mounted in holes in each end of the bail bucket. It hangs inside the bucket and is used in the double depth mode (only). It prevents rear product from sliding into front product space and "free" vending when machine is tilted forward.
18. Bucket Filler (P/N 387171)
The Filler is mounted to the inside curve of bail bucket. It is positioned so as to prevent tipping of product in the single depth mode (only).

B. Mechanical Vend Cycle

The following vend cycles, for "single" and "double" depth, describes what occurs in the single column mechanically when the motor is started (electrically). For a detailed description of what occurs electrically, please see the electrical vend cycle and Step by Steps (pages 35 thru 48). For parts identification see FIGURE 43 (page 32) and parts description (pages 31 thru 33)

Each single column is operated by an individual motor and switch assembly. The vend mechanism consists of a link assembly, crank, bail bucket, shelf link, and a blocking shelf.

1. Single Depth: When vending any product single depth, the motor cam (white) will have one lobe (one removed). The column will vend one product for every 360 degree rotation of the motor cam.
2. With the column properly loaded and primed there will be one product in the bail bucket and supported between the bail bucket and partition (or form spacer). The blocking shelf will be in its Down position supporting the remaining product in the column. When the motor runs the cam rotates, turning the crank (Via the link). The crank on the link side is pushed Down, which rotates the bail bucket, depositing product to delivery chute. The other end of the crank is rotated Up which raises the blocking shelf depositing all product in column on top of the bail bucket. The motor continues to run causing crank (and therefore bail bucket and blocking shelf) to reverse direction. As this happens, one product is deposited in the bucket, while the blocking shelf is lowered, blocking (supporting) the remaining product in the column. The cam has now rotated 360 degrees. This process will occur for each vend.
2. Double Depth: When vending any product double depth, the motor cam (white) will have two lobes. For every 360 degree rotation of the motor cam the column will vend two products.

With the column properly loaded and primed, there will be two products supported between the bail bucket and partition (or form spacer) of column. The remaining product in column is supported by the blocking shelf. When the motor runs, the bucket is rotated just enough to deposit the front product to delivery chute. On the next vend the motor will run and deposit the rear product to the chute and continues to run. The blocking shelf is raised to deposit product in column on top of bail bucket. The crank (and bail bucket and blocking shelf) reverse direction, depositing two products in bail bucket. The blocking shelf is lowered, supporting the remaining product in the column. The motor now stops running. The cam has now completed a 360 degree rotation. This process of vending two products will occur for every 360 degree rotation of the motor cam.

III. ELECTRICAL OPERATIONS

A. PARTS DESCRIPTION

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 1 path circuit to carrier switches and coinage (in stand-by) and Line 1 power circuit to selection switches when energized (power credit established).

3. Selection Switch (Different Part Numbers for Various Equipment -- See Control Panel Page)

The Selection Switch is a 15 AMP, 125/250 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 1 to start selected motor.

4. Motor Carrier Switch (P/N 368299)

The Motor Carrier Switch is a 10 AMP, 125/250 volt switch. Actuation of this switch the first time de-energizes the credit relay and provides circuit path to run the motor. When actuated the second time, it stops the motor.

5. By-Pass Switch (P/N 368299)

The By-Pass Switch is a 10 AMP, 125/250 volt switch. It is only momentarily actuated. If not actuated or motor fails to complete its cycle, will provide credit hold circuit so that remaining columns remain functional.

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

Sold-Out Switches are 10 AMP, 125/250 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 column sold-out lamp and prevents a selection from that column if sold-out.

"B" Switch: Provides Line 1 power path to motor carrier switches and credit relay. If all selections are sold out vender will not accept money.

7. Electronic Selection Board (P/N 387879 or P/N 388368)

The Electronic Selection Board is mounted in the lower right side (as facing back of opened door) of the outer door. It provides a delaying circuit to motors when a selection is made. It also helps to insure that only one motor at a time can run.

B. Electrical Vend Cycle

The following cycle is a description of what occurs electrically during one complete vend cycle; i.e., one product delivered to customer. Single or Double depth is not a consideration electrically, as the same things happen each vend cycle whether 1, 2, or 4, products are vended for each 360 degree rotation of motor 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 correctly.

Vendo®

Refer to Step-by-Step (Pages 37 thru 48) for routing. When sufficient coins are deposited and are accepted, the coinage completes the vender credit circuit (vend switch pins 1 & 3) to energize the credit relay.

With the credit relay energized, a "credit holding" circuit is created through the motor carrier switches, at least one "B" sold-out switch and the credit relay. With the coinage vend switch returned to standby (Pins 1 & 7) a "selection circuit" is now available to all selection switches through the 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, the operated selection switch, sold switch "A" and to the Electronic Selection Board to insure a circuit is routed to the selected motor only. As soon as this circuit is completed, the selected column's motor starts. (Note: The selection must be held until the motor cam via the switch lever releases the motor carrier switch.)

When the motor cam actuates the motor carrier switch the first time, the credit relay de-energizes and circuit is canceled to the Electronic Selection Board, the carrier switch will provide a circuit to run the selected motor. (Note: While the motor is running the sold-out light will be on.)

The by-pass switch is operated momentarily during this cycle (See Step-by-Steps for a detailed explanation of this safety feature.).

When a motor 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.

C. ELECTRICAL 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

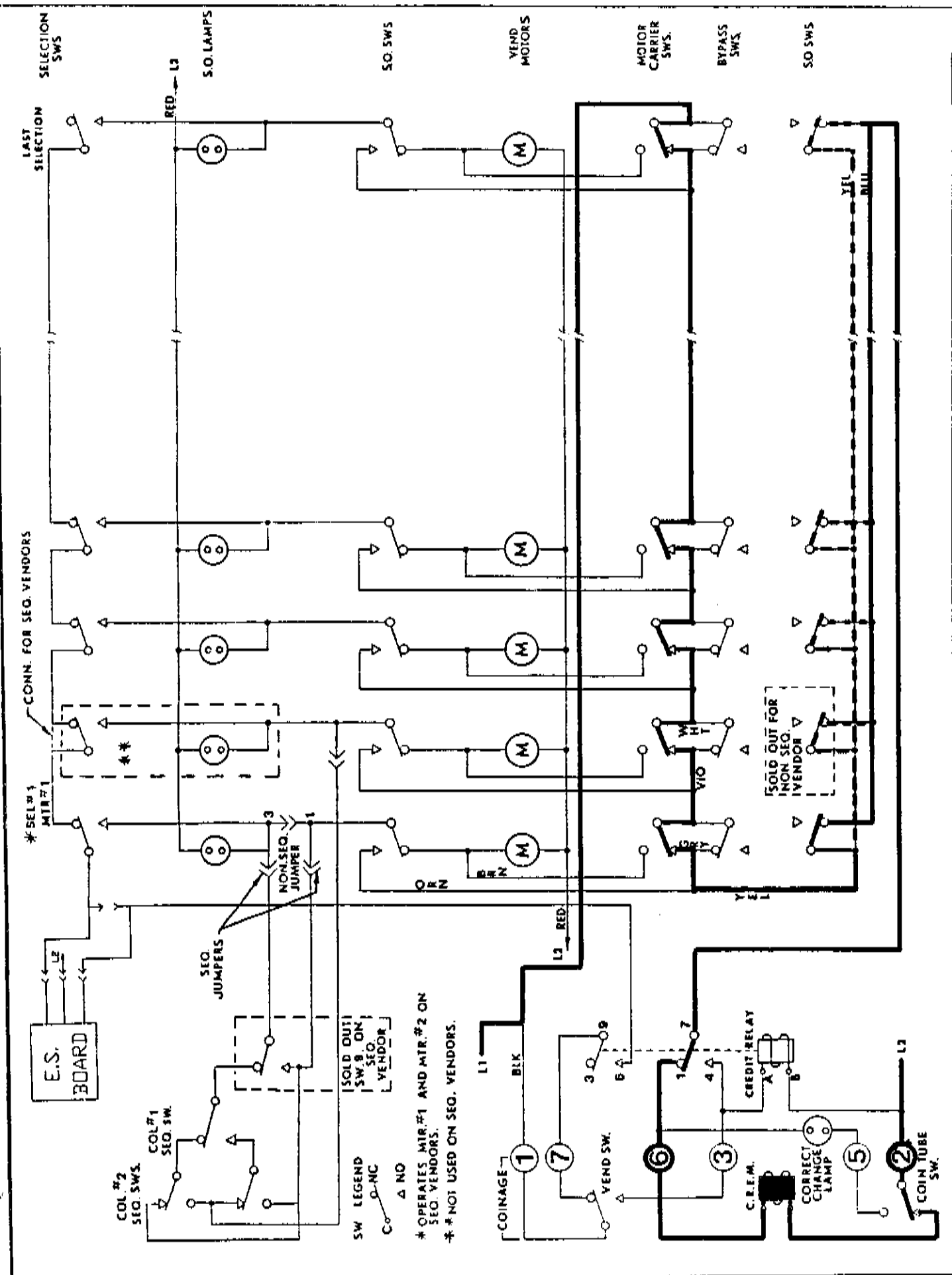
SYMBOLS

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

1. Standby

Line one power is supplied to energize the C.R.E.M. Coils through:

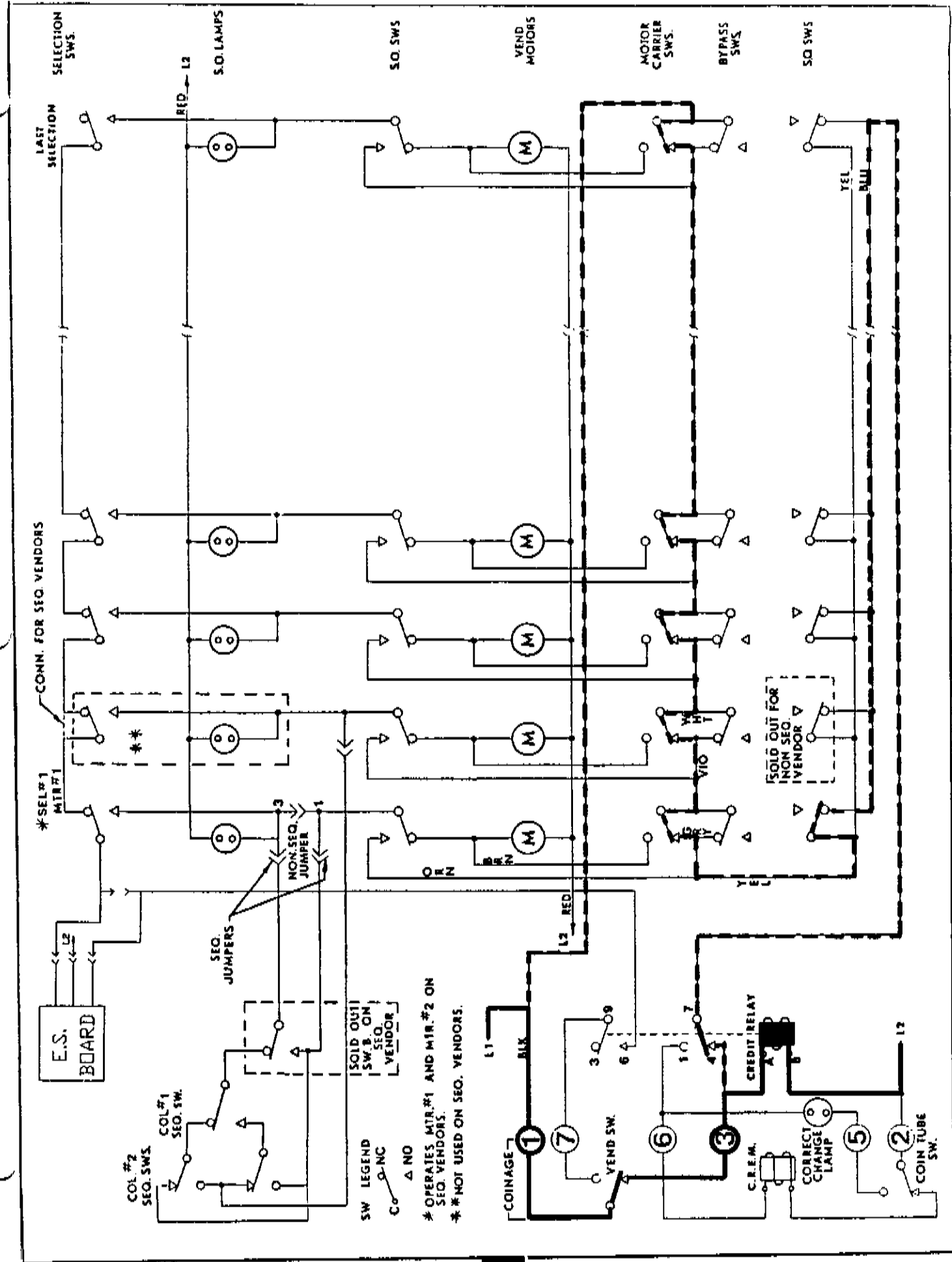
- a) Each motor carrier switch C.-N.O. contacts starting with the common of the last selection.
- b) From the N.O. contact of the #1 selection motor carrier switch to the common contact of all sold-out switch "B"'s. (Product is any one of the sold out controlled column will allow the machine to accept money.)
- c) Contacts #1 and #7 in the de-energized credit relay.



* OPERATES MTR. #1 AND MTR. #2 ON SEQ. VENDORS.
 ** NOT USED ON SEQ. VENDORS.

2. Credit Established

- a) When the proper amount of money is inserted, the coinage vend switch (circuit) is activated. Power is applied to the vender credit relay coil (solid line) via "A" and "B" terminal 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 vender is at "standby" (dotted line).



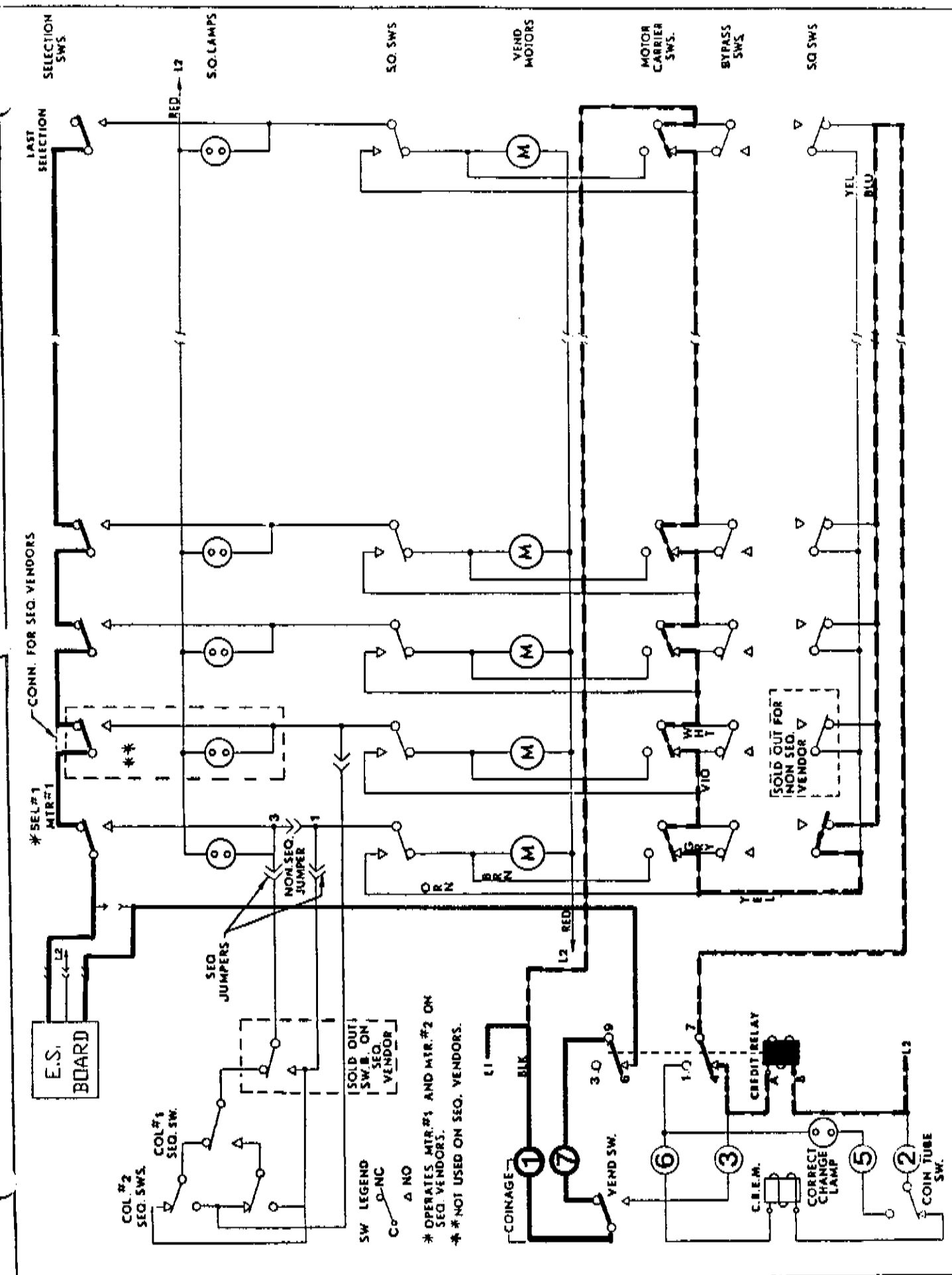
SW LEGEND
 C — COMMON
 NC — NORMALLY CLOSED
 NO — NORMALLY OPEN

* OPERATES MTR.#1 AND MTR.#2 ON SEQ. VENDORS.
 ** NOT USED ON SEQ. VENDORS.

POWER ON, MACHINE LOADED 5,6,7,8 SELECTION

- 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.

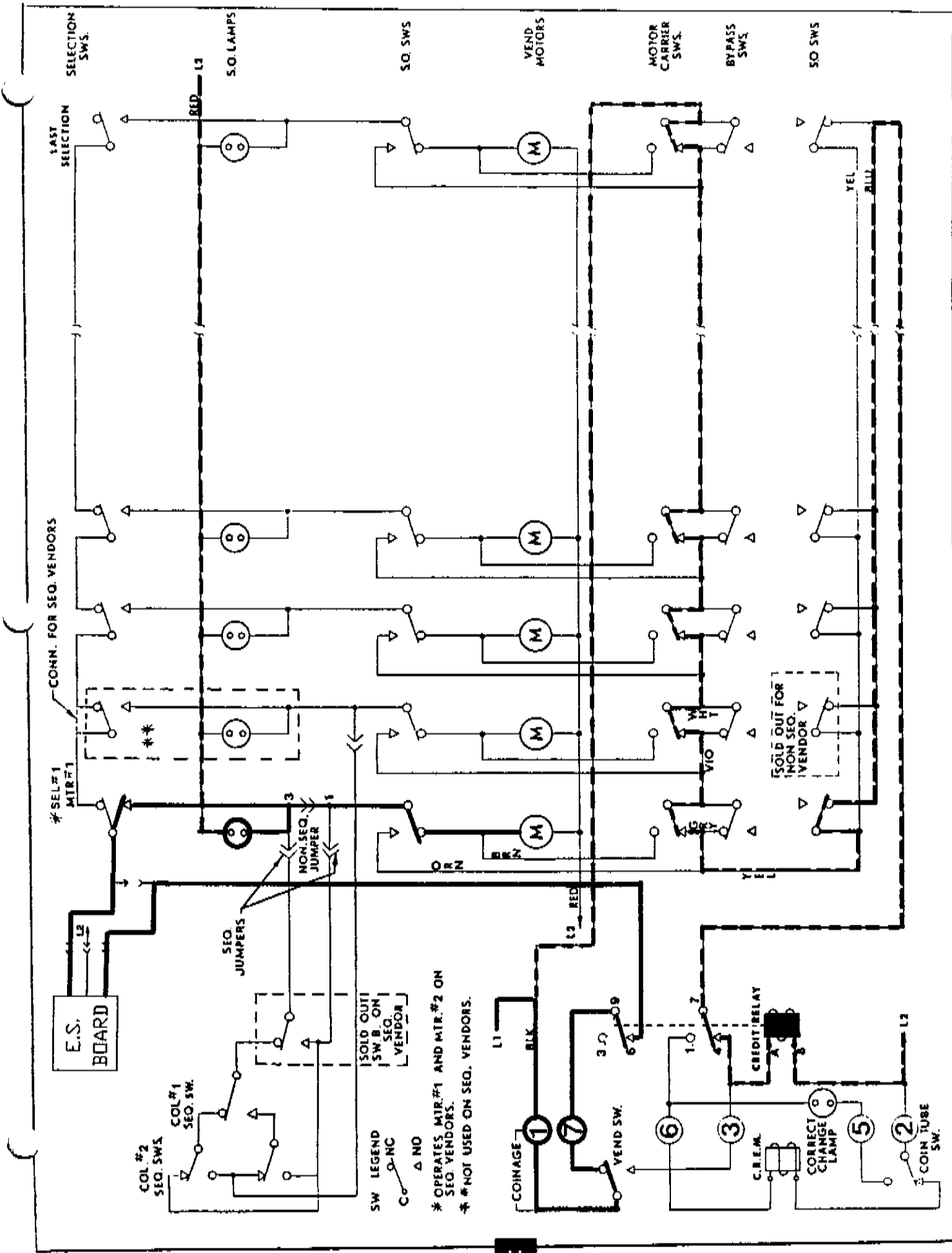




POWER ON, MACHINE LOADED 5,6,7,8 SELECTION

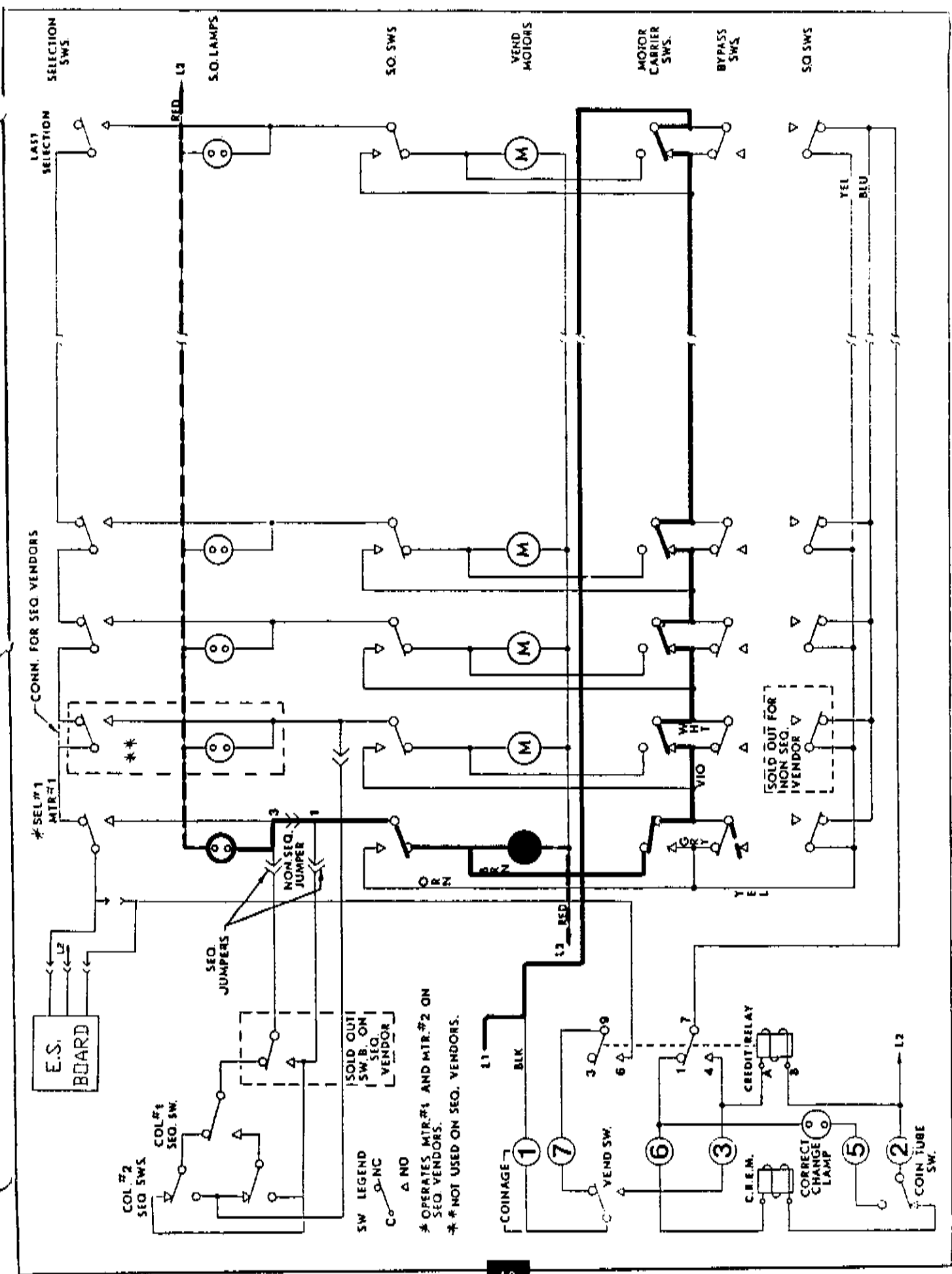
4. Selection Made - Motor Start

- a) When a push button selection switch is operated, a circuit is routed through the Electronic Selection Board to insure that a circuit is routed to the proper motor selected.
- b) The sold out lamp for that selection will light.
- c) The motor will continue to run only if the selection is held.
- d) The credit relay remains energized.



5. Selection Made - Motor Run

- a) When the motor carrier switch of selected motor leaves its cam, a motor circuit is provided to keep that motor running, and circuit to the Electronic Selection Board is canceled.
- b) The credit relay is de-energized.
- c) The sold out lamp stays on.
- d) The By-Pass switch is momentarily operated to normal open (N.O.) and then returns to its standby or by-pass position. Note: If the by-pass switch does not momentarily open, the credit relay will remain energized. (See By-Pass Circuit.)
- e) The motor will continue to run until the other side of coupling cam operates the motor carrier switch. At this point, the motor will stop. Vender is returned to "standby".



E.S. BOARD

COL #2 SEQ. SWS.
COL #1 SEQ. SW.

SEQ. JUMPERS

NON-SEQ. JUMPER

[SOLD OUT] SW. B. ON [SEQ. VENDOR]
SW LEGEND
C NC
Δ NO

* OPERATES MTR. #1 AND MTR. #2 ON SEQ. VENDORS.
** NOT USED ON SEQ. VENDORS.

COINAGE 1
VEND SW. 7

6
C.R.E.M. 3

CREDIT RELAY 4

CORRECT CHANGE LAMP 5

COIN TUBE SW. 2

11 BLK
12 RED

3 6 7

1 4 8

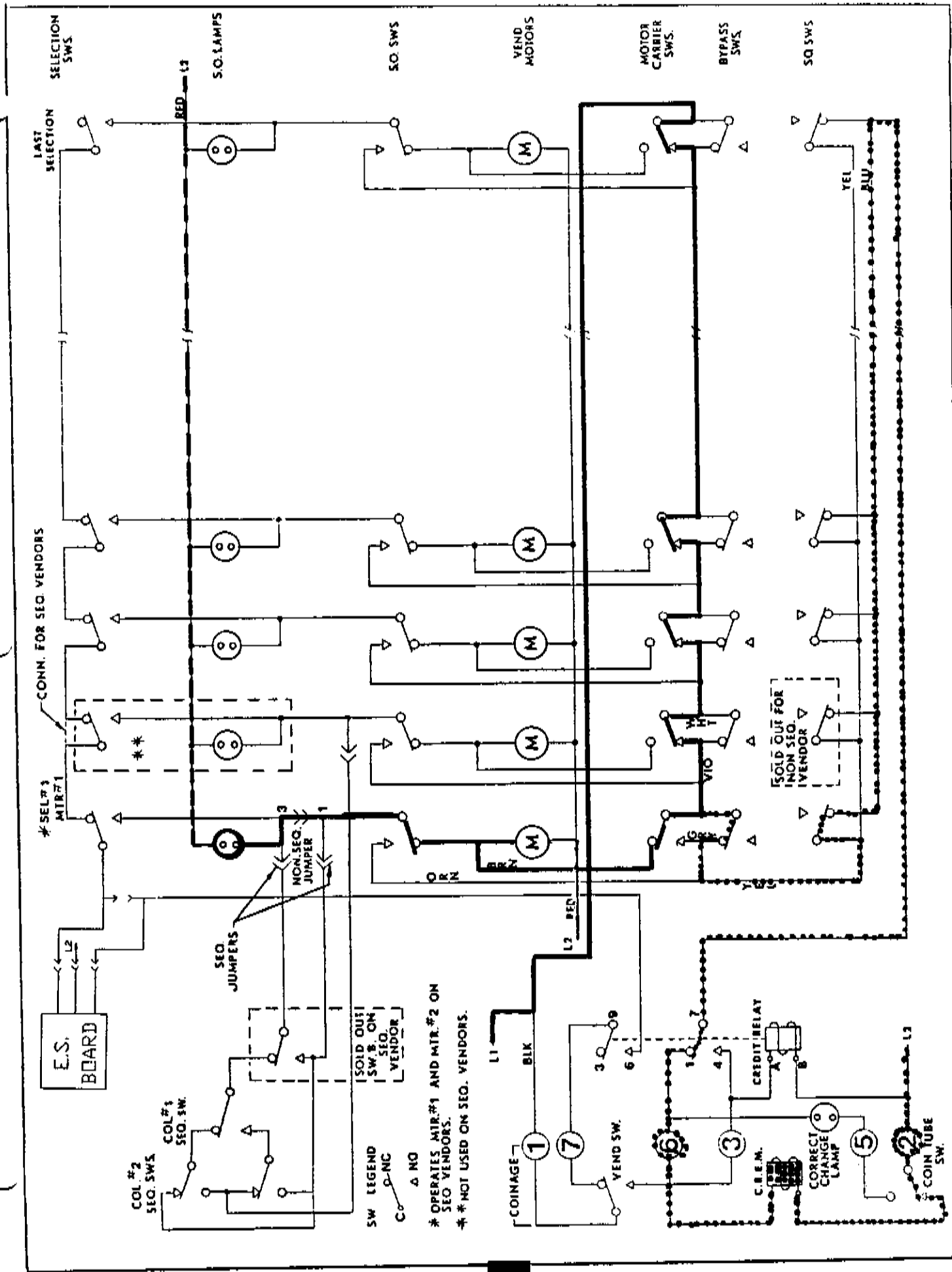
12 RED

6. By-Pass Circuit

If for some reason the vend motor receives power and starts but does not complete its cycle, the motor carrier switch will be open in the C.R.E.M. and credit relay hold circuit. The sold out will stay on.

The credit relay will be de-energized and depending on where the motor stopped that customer may or may not have received a product. However, in this condition, the by-pass switch will provide a C.R.E.M. and credit hold circuit so that all other selections will be functional.

NOTE: If the vend motor receives power but does not start, the power will be removed as soon as the selection button is released. The credit is still available and any other selection may be made.



SW LEGEND
 C — COMMON
 Δ — NO
 □ — NC

ISOLD OUT SW # ON SEQ. VENDOR

* OPERATES MTR.#1 AND MTR.#2 ON SEQ VENDORS.
 ** NOT USED ON SEQ. VENDORS.

POWER ON, MACHINE LOADED 5,6,7,8 SELECTION

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 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

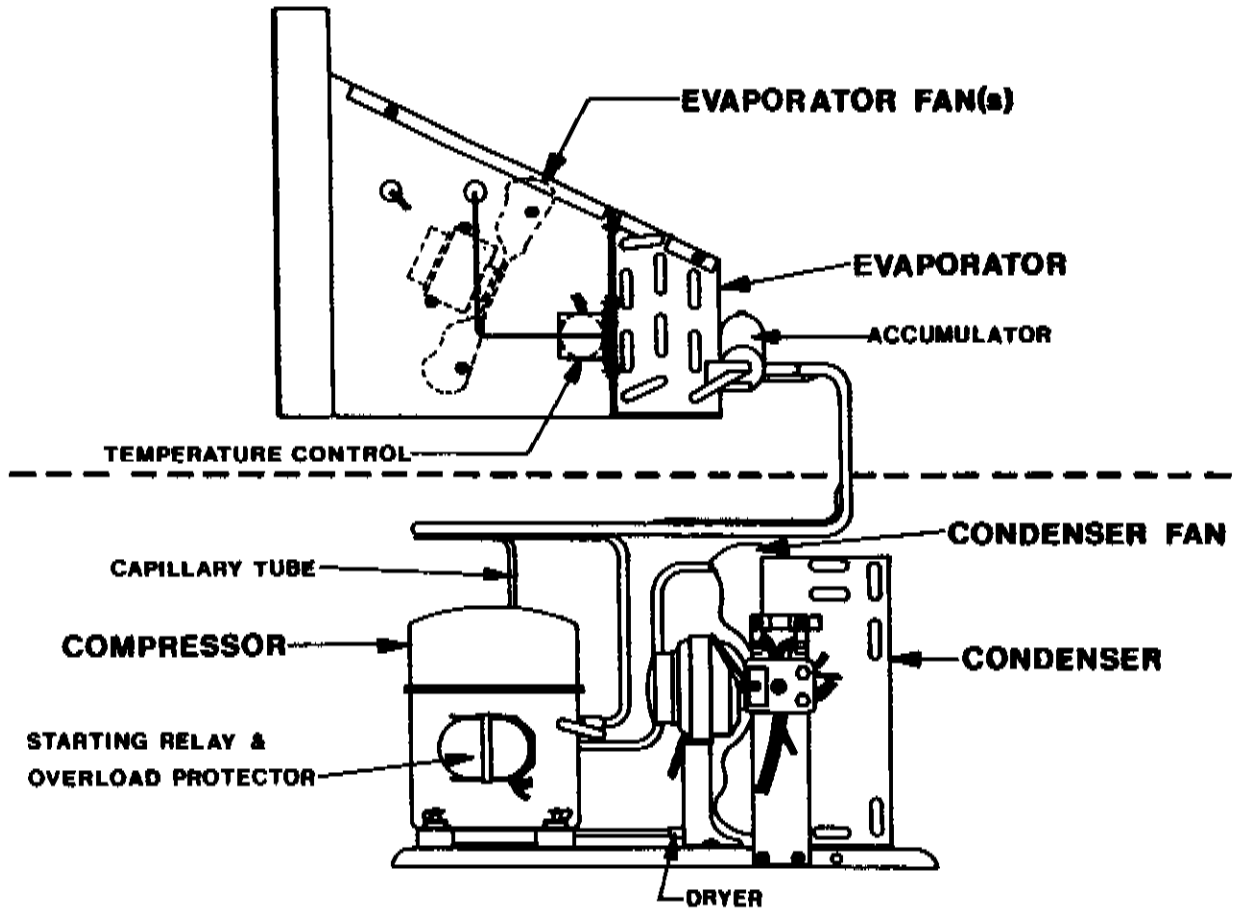
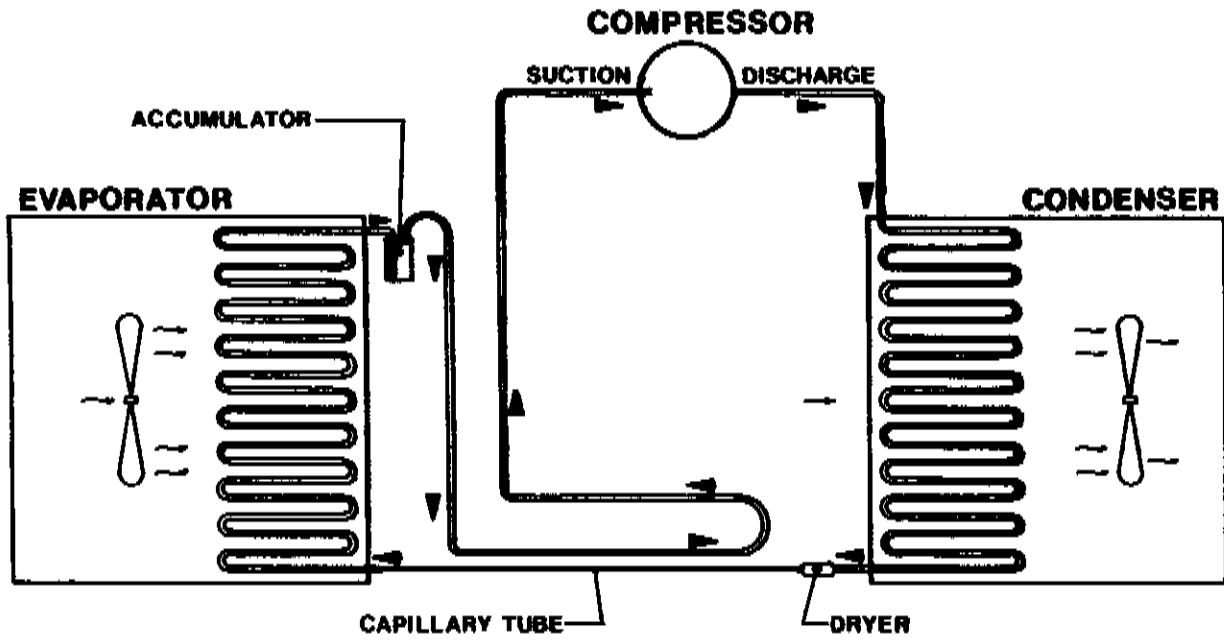
The following cycle is a detailed description of a complete refrigeration cycle as it pertains to the refrigeration system installed in Vendo equipment.

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 fans 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 drier (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 excess heat from the air. The liquid is heated up and boils turning into 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 DESCRIPTION. SEE FIGURE 44

1. Compressor (Part of a Sealed System - see Parts Section for part numbers)

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 the compressor. The compressor is mounted to the refrigeration base, which is mounted in the bottom of the vender - outside the "sealed" refrigerated space.



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 (Various part numbers - see Parts Section)

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. Drier (Part of a Sealed System)

The Drier is a molecular sieve strainer drier. It removes water from refrigerant liquid. The drier also removes any solid particle that may have been accumulated by refrigerant liquid. It is mounted in the discharge line of condenser before capillary tube. If the system is tapped, this drier should be replaced to keep the system maintained.

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 by the compressor. The evaporator is mounted inside the refrigerated space directly below the delivery 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 (Various part numbers - see Parts Section)

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 (Various part number - see Parts Section)

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 brakes the starting circuit.

11. Thermal Overload Switch (Various part numbers - see Parts Section)

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 intended as a basic guide only.

This section is divided into five parts: (I) Preventative Maintenance suggestions; (II) Lubrication Guide; (III) Care and Cleaning; (IV) General Overview and Service Suggestions; (V) 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 Fluorescent Lamps (replace as necessary**).
- D. Check Product Temperature for proper cooling.
- E. Check Evaporator Drain for Obstruction. (Water in evaporator area must drain to condensate pan.)
- F. Empty Condensate Pan.
- G. Clean Condenser (Vanes free of dirt, lint or any other obstruction).
- H. Evaporator Fan(s) run normally.
- I. Compressor and Condensate Fan run normally.
- J. Investigate any Unusual Sounds (such as fan blades hitting something, refrigeration lines rattling, etc.).
- K. Clean Coin Acceptor.
- L. Deposit Coin (\$.05, \$.10, \$.25) to check for proper operation of coinage.
- M. Test Vend All Selections.
- N. Correct All Problems (as necessary).
- O. Test Vender and Make a Report on Problems.

****CAUTION NOTE:** It will be necessary to replace single pin ("Slimline") lamps immediately (within 24 - 48 hours of burning out) to prevent ballast from also burning out.

II. LUBRICATION GUIDE (SEE CHART BELOW)

Lubricate indicated areas at intervals shown on chart.

LUBRICATION CHART

<u>INTERVAL</u>	<u>PARTS</u>	<u>LUBRICANT</u>
Every 6 months	Top Hinge of Door Door Hinge Pin at base of cabinet Door Latch Cam to cabinet strike	Grade 2 High Low Temperature Grease
Whenever Necessary	Shelf Assembly Pivots Shelf Assembly Rollers Eccentric Bearing	Grade 2 High Low Temperature Grease

III. CARE AND CLEANING

A. GENERAL PROCEDURE (Painted Metal Areas)

Wash vender with soap and water. The exterior may be waxed with any good automobile wax.

NOTE: Interior corrosion may be removed with a fine grade of steel wool and then painting.

B. FRESH PAINT SPLASHES, GREASE, AND GLAZING COMPOUND REMOVAL.

Before drying these conditions may be easily removed by rubbing lightly with VM&P grade Naptha (or equivalent grade solvent). After removal, use general cleaning procedure ("A" above).

NOTE: Almost all organic solvents or alcohols are NOT compatible cleaning materials for Lexan signs. Care must be takes to use these materials only on painted surfaces.

C. LABEL AND STICKER REMOVAL

The use of kerosene, VM&P grade Naptha, or petroleum spirits are generally effective against these conditions. **IMPORTANT:** See note in section "B" above.

In cases where the label material does not allow penetration of solvent (such as vinyl) the application of heat (example: hair dryer) will soften the adhesive and promote removal. **CAUTION:** Excessive heat can cause surface damage.

After label material is removed use general cleaning procedure ("A" above).

D. SCRATCH REMOVAL

Hairline scratches and minor abrasions can be removed (or minimized) by using any good quality automobile polish. Prior to general use, it is suggested that a sample product be tested first.

E. LEXAN SIGNS

When cleaning the Lexan sign faces the following cleaning procedure is recommended:

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

NOTE: Almost all organic solvents, petroleum, spirits, or alcohol are NOT compatible cleaning materials for Lexan signs. Usage of any of these materials on Lexan sign could permanently damage sign.

F. 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.

G. GENERAL CAUTIONS.

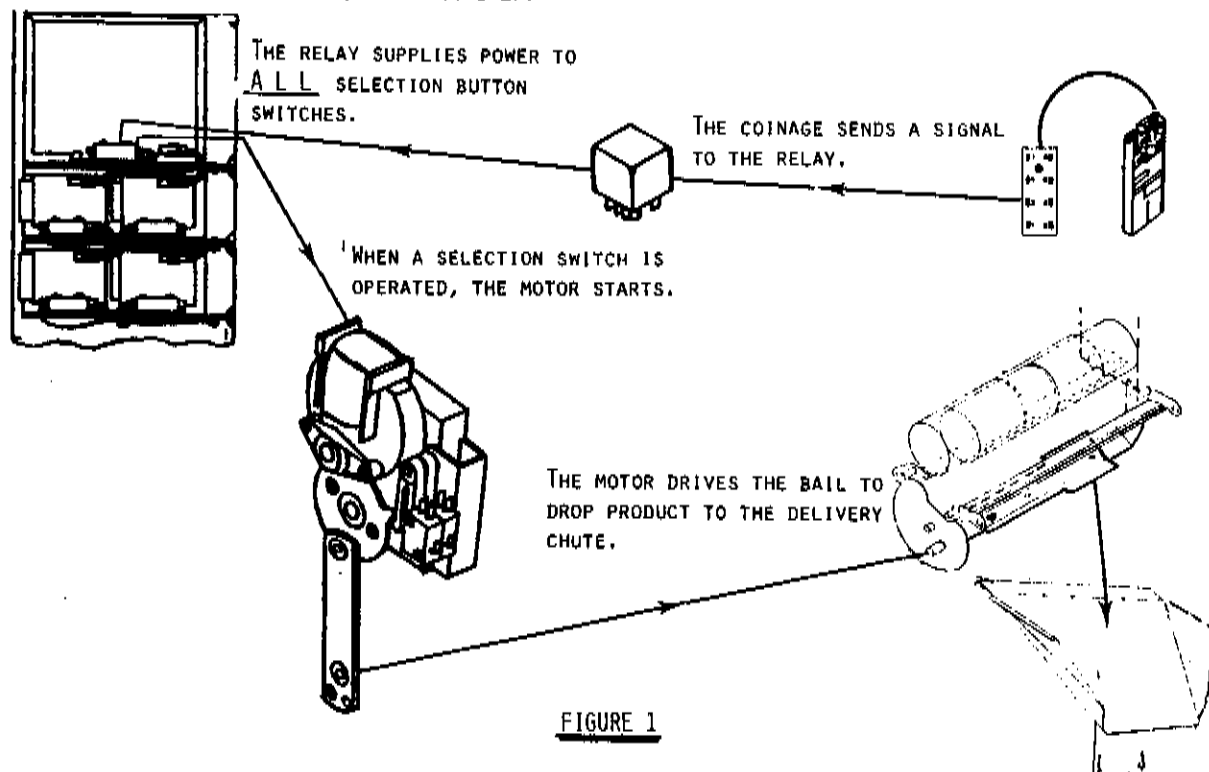
- 1) Do not use abrasive cleaners, highly alkaline cleansers; benzene, leaded gasoline, acetone, or carbon tetrachloride.
- 2) Never scrape with razor blades or other sharp instruments.
- 3) DO NOT clean in hot sun or at elevated temperatures.
- 4) Caution should be taken when working with the Electronic Selection Board (P/N 387879 or P/N 388368). When you plan to trouble shoot, or replace it, line voltage (power) should be removed from the vender.
- 5) Care should also be taken to remove this board if you plan to wash down the interior of this vender to clean it with water.

IV. GENERAL OVERVIEW AND SERVICE SUGGESTIONS

THE COINAGE

THE COINAGE ON A "SINGLE PRICE" VENDER PERFORMS THREE FUNCTIONS DIRECTLY RELATED TO THE VENDERS CIRCUIT.

1. 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 (COINAGE PINS #1 AND #3, SEE FIGURE 1).



2. WHEN THE COINAGE CIRCUITS RETURN TO STANDBY, THEY PROVIDE A SELECTION CIRCUIT THROUGH THE VENDER CREDIT RELAY ENERGIZED TO ALL SELECTION BUTTON SWITCHES (SEE FIGURE 2).
3. 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 ELECTRONICALLY DEPENDING ON THE TYPE OF COINAGE USED.

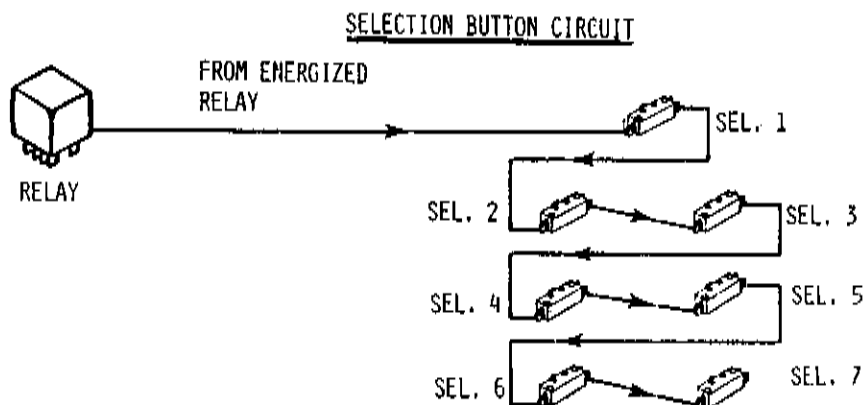


FIGURE 2

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 L1 (LINE-ONE) MOTOR CARRIER SWITCH CIRCUIT IS COMPLETE. THIS IS CALLED THE CREDIT RELAY HOLD CIRCUIT. (SEE FIGURE 3)

THE MOST EFFICIENT WAY TO CHECK THE RELAYS EFFECT ON ANY PROBLEM IS TO REPLACE THE RELAY.
-IF THIS DOES NOT CORRECT THE CONDITION-

POSSIBLE PROBLEM	SERVICE SUGGESTION
1. THE RELAY MAY FAIL TO ENERGIZE.	1. CHECK THE COINAGE.
2. THE RELAY MAY ENERGIZE AND FAIL TO HOLD.	2. CHECK THE MOTOR CARRIER SWITCHES.
3. THE RELAY MAY ENERGIZE AND FAIL TO ALLOW A SELECTION TO BE MADE.	3. CHECK THE COINAGE AND THE VENDER HARNESS.
4. THE RELAY MAY DE-ENERGIZE AND FAIL TO COMPLETE A CIRCUIT TO THE COINAGE ACCEPT CIRCUIT.	4. CHECK THE VENDER HARNESS.

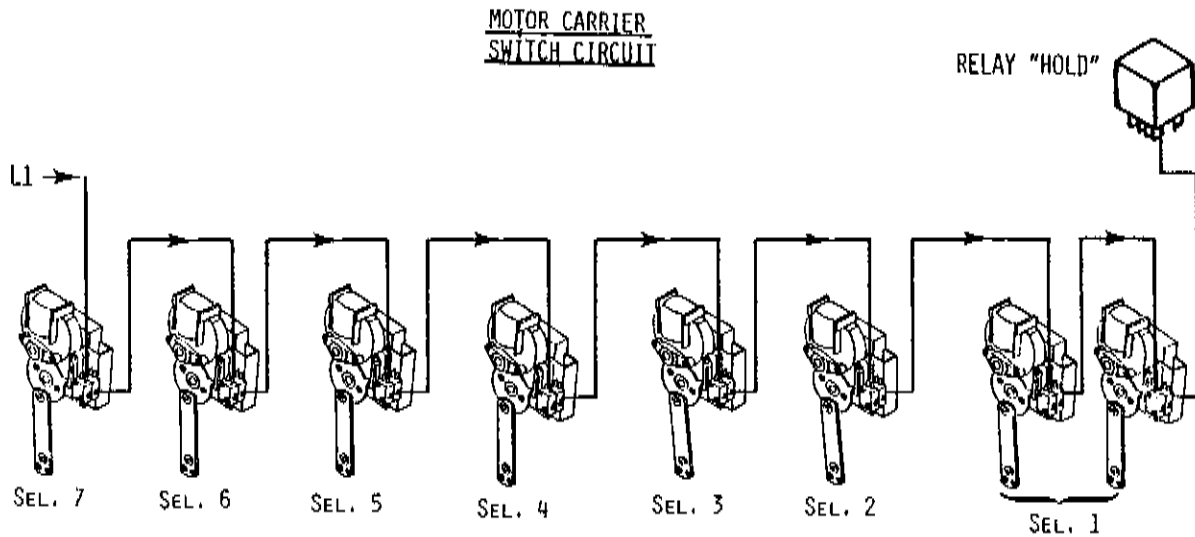


FIGURE 3

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 BUTTON SWITCHES ARE CONNECTED LI (LINE-ONE) STARTING WITH SELECTION ONE AND CONTINUING THROUGH #2, #3, #4, #5, #6 AND #7, AS SHOWN IN FIGURE 2. WHEN ANY SELECTION BUTTON SWITCH IS OPERATED, THIS LI (POWER) WILL BE DIRECTED TO THE MOTOR SELECTED THROUGH ITS SOLD OUT SWITCH "A" (SEE FIGURE 4).

POSSIBLE PROBLEM	SERVICE SUGGESTION
<p>SELECTIONS #1, #2, #3 AND #4 WORK PROPERLY BUT #5, #6 AND #7 DO NOT WORK. IF THE SOLD OUT LIGHTS #5, #6 AND #7 <u>DO NOT LIGHT</u> WHEN SELECTED.</p>	<p>CHECK CONTINUITY BETWEEN N.C. OF SELECTION SWITCH #4 AND C OF SELECTION SWITCH #5.</p> <p>IF THERE IS NO CONTINUITY, THE PROBLEM IS SELECTION SWITCH #4 OR THE 4 TO 5 JUMPER WIRE. IF THERE IS CONTINUITY, THE PROBLEM IS THE #5 SWITCH.</p>

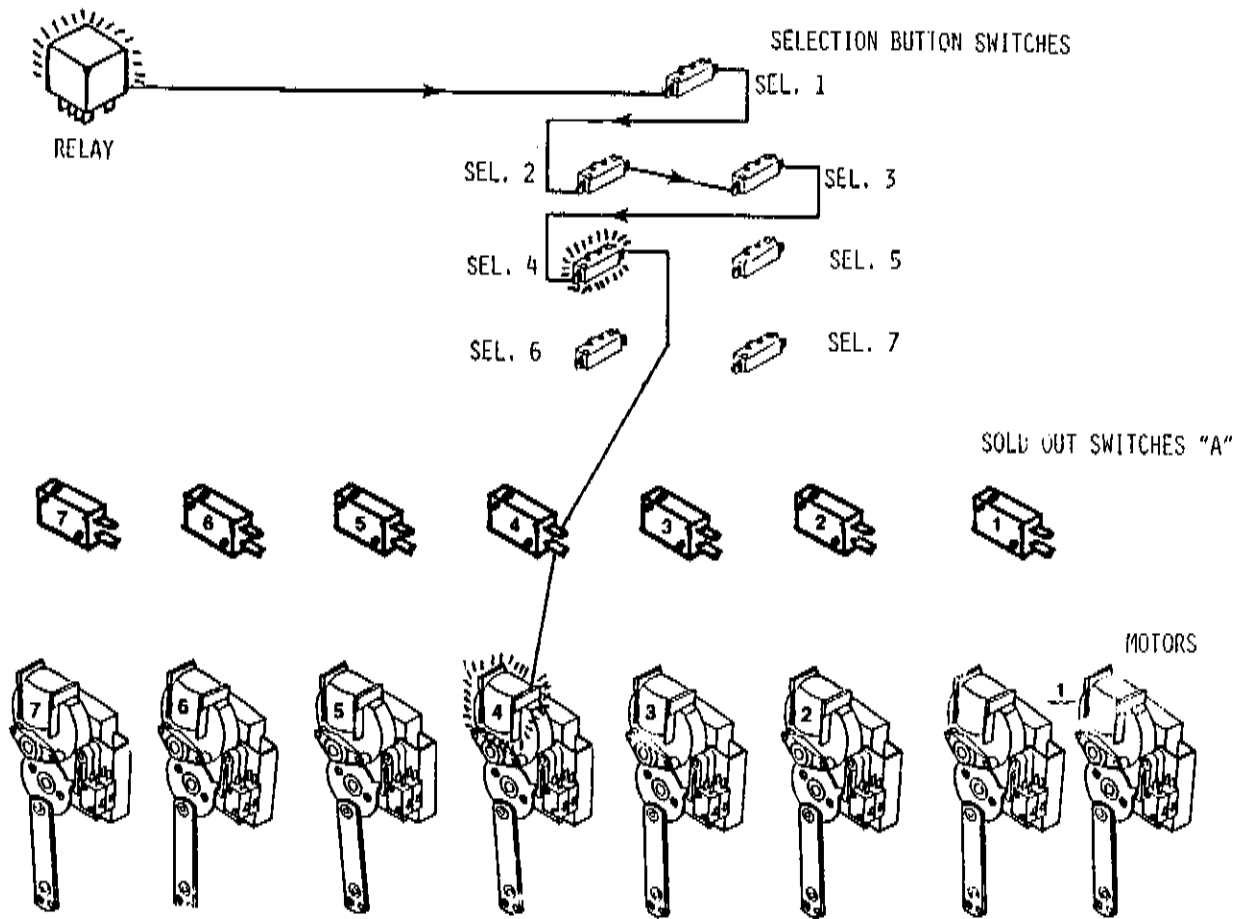


FIGURE 4

THE MOTOR CARRIER SWITCH

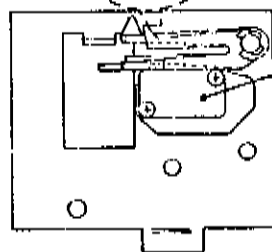
A LOBE ON EACH MOTOR CAM HOLDS THESE SWITCHES IN A COMMON-NORMAL OPEN POSITION AT STANDBY. THEY PROVIDE A "CREDIT HOLD" FOR THE ENERGIZED CREDIT RELAY (SEE FIGURE 3). WHEN A MOTOR STARTS, ITS MOTOR CARRIER SWITCH IS OPERATED TO COMMON-NORMAL CLOSED TO DE-ENERGIZE THE CREDIT RELAY AND KEEP ITS MOTOR RUNNING UNTIL THE NEXT CAM LOBE HITS THE ACTUATOR TO RETURN THE MOTOR CARRIER SWITCH TO STANDBY (STOPS ITS MOTOR).

POSSIBLE PROBLEM	SERVICE SUGGESTION
A MOTOR STARTS AND FAILS TO STOP WHEN THE NEXT LOBE REACHES THE ACTUATOR (A DOUBLE VEND OCCURS).	ADJUST THE SWITCH CLOSER TO THE CAM. IF THIS DOES NOT CORRECT, REPLACE THE SWITCH.

THE BYPASS SWITCH

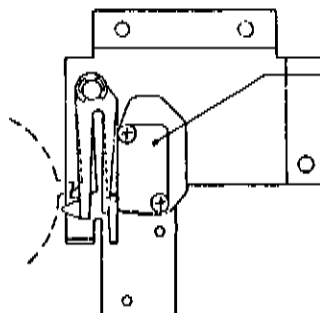
EACH VEND MOTOR HAS A BYPASS (SAFETY) SWITCH. ITS PURPOSE IS TO INSERT A BYPASS CIRCUIT INTO THE VENDER CREDIT RELAY HOLD CIRCUIT IF A VEND MOTOR DOES NOT RETURN TO STANDBY (THE MOTOR FAILS OR PRODUCT JAMS). THIS BYPASS CIRCUIT WILL ALLOW ALL OTHER SELECTIONS TO FUNCTION NORMALLY UNTIL REPAIRS CAN BE MADE. THE BYPASS AND MOTOR CARRIER SWITCHES ARE MOUNTED TOGETHER. THE PHYSICAL POSITION OF THE SWITCHES ARE NOT THE SAME IN ALL COLUMNS (SEE FIGURE 5).

POSSIBLE PROBLEM	SERVICE SUGGESTION
IN A NORMAL VEND CYCLE, THE VENDER CREDIT RELAY DOES <u>NOT</u> DE-ENERGIZE.	PROBABLE CAUSE: THE BYPASS SWITCH DID NOT ACTUATE MOMENTARILY AT THE START OF THE CYCLE. ADJUST OR REPLACE THE SWITCH.
A VEND MOTOR STOPS IN MID CYCLE THE VENDER WILL NOT ACCEPT MONEY.	REPLACE THE BY-PASS SWITCH.



SINGLE COLUMN

SWITCHES: CARRIER SWITCH IN FRONT WITH BYPASS SWITCH IN BACK OF CARRIER SWITCH.



STAGGERED COLUMN

SWITCHES: CARRIER SWITCH IN BACK WITH BYPASS SWITCH IN FRONT OF CARRIER SWITCH.

FIGURE 5

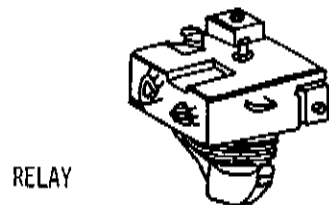
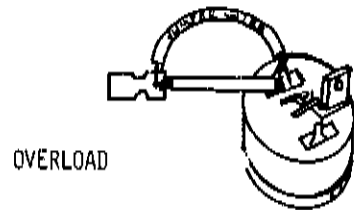
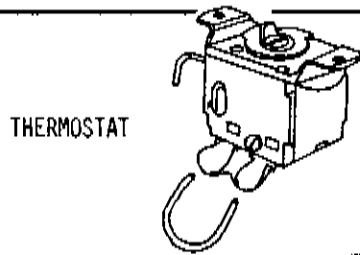
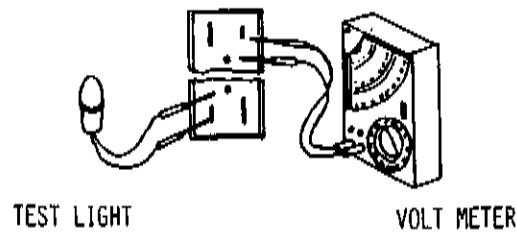
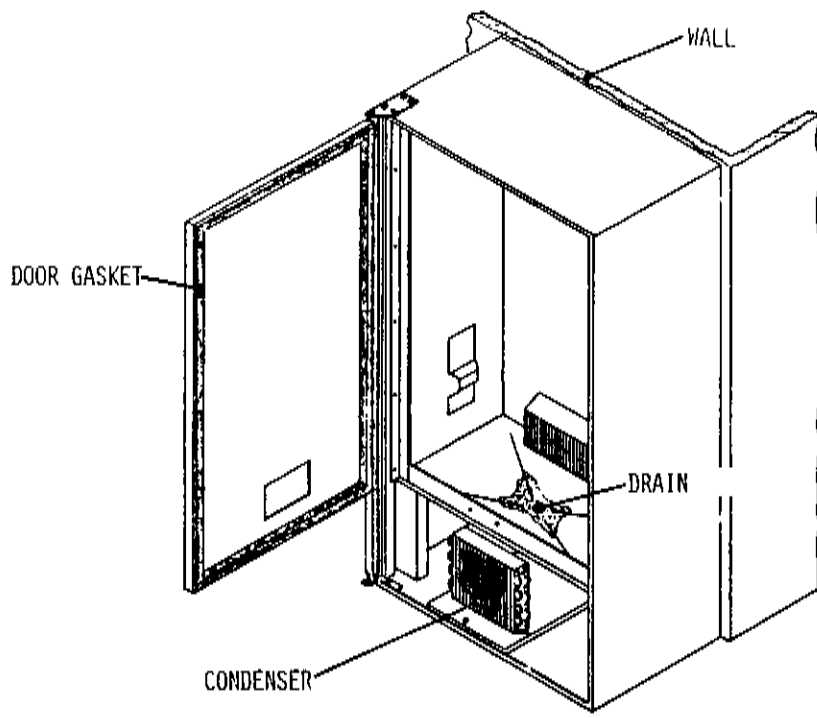
REFRIGERATION

BASIC SERVICE SUGGESTIONS

THE MOST COMMON CAUSES FOR CABINET TEMPERATURE BEING ABOVE NORMAL ARE:

1. FAILURE TO ELIMINATE MOISTURE FROM THE REFRIGERATION AREA.
 - A. DOOR GASKET NOT SEALING PROPERLY.
 - B. CABINET DRAIN STOPPED UP.
2. IMPROPER AIR FLOW THROUGH THE UNIT CONDENSER.
 - A. NO "VENT" SPACE AT THE REAR OF THE CABINET.
 - B. CONDENSER BLOCKED BY DUST, LINT, OR DIRT

OTHER CONDITIONS	SERVICE PROCEDURE
<p>THE DISPLAY LIGHT IS <u>NOT ON</u> AND <u>NO MOTORS ARE RUNNING.</u></p>	<p>CHECK THE POWER SUPPLY AT THE WALL SOURCE (VOLT METER OR TEST LIGHT)</p>
<p>THE MOTOR INSIDE THE CABINET (EVAPORATOR) IS <u>RUNNING</u> BUT THE FAN MOTOR ON THE UNIT (CONDENSER) IS NOT RUNNING.</p>	<p>CHECK THE THERMOSTAT (COLD CONTROL). <u>DISCONNECT POWER FROM VENDOR.</u> USE AN INSULATED JUMPER WIRE ACROSS THE TERMINALS OR CONNECT A KNOWN GOOD CONTROL. <u>REAPPLY POWER.</u> IF UNIT STARTS REPLACE THE CONTROL.</p>
<p>IF THE FAN MOTOR ON THE UNIT IS <u>RUNNING</u> - THE COMPRESSOR IS <u>COOL</u> TO THE TOUCH AND NOT RUNNING.</p>	<p>CHECK THE OVERLOAD. <u>DISCONNECT POWER FROM THE VENDOR.</u> USE AN INSULATED JUMPER WIRE ACROSS THE TERMINALS OR CONNECT A KNOWN GOOD OVERLOAD. <u>REAPPLY POWER.</u> IF THE UNIT <u>STARTS</u> REPLACE THE OVERLOAD. IF THE UNIT <u>DOES NOT START</u> REPLACE THE RELAY.</p>
<p>IF THE FAN MOTOR ON THE UNIT IS <u>RUNNING</u> - THE COMPRESSOR IS <u>HOT</u> TO THE TOUCH AND <u>IS NOT RUNNING.</u></p>	<ol style="list-style-type: none"> 1. DISCONNECT POWER AND ALLOW COMPRESSOR TO COOL. 2. REPLACE THE RELAY AND REAPPLY POWER. 3. IF UNIT <u>DOES NOT START,</u> REPLACE THE UNIT



V. TROUBLE SHOOTING GUIDE

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

CAUTION

The Vendo Electronic Selection Board contains circuitry that is subject to damage by static discharge, certain components are elevated off the board and can easily be damaged if care is not taken when handling these boards in make any necessary replacements.

1. These boards are packed in a protective package when a replacements is ordered from Vanguard and should be kept in this package until used.
2. Do not remove the boards from this wrap, to replace the old board, apply the new board by holding it in place with the wrap rather than contacting it with your hands, because of the possible static build up you may have in your body, which will be released to the board if this is not followed.
3. Use no nylon or static generating material that can come into contact with the board.

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 problems 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.

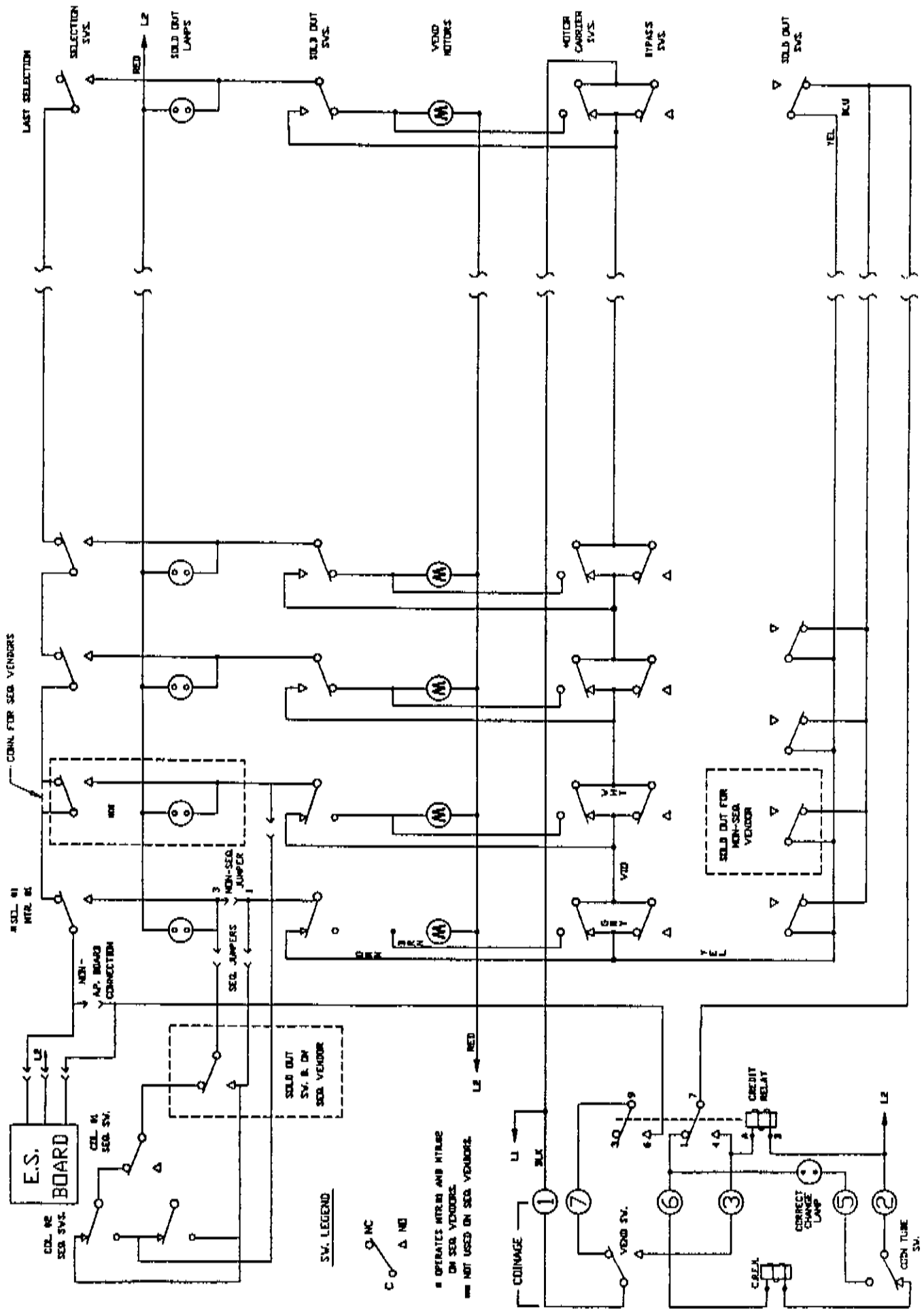
POSSIBLE PROBLEM	POSSIBLE CAUSE	SERVICE SUGGESTION
RETURN ALL GOOD COINS.	NO POWER TO VENDER	CHECK POWER SUPPLY
	NO POWER TO CHANGER	CHECK COIN MECHANISM PLUGS CHECK FOR FAULTY HARNESS WIRING (SEE WIRING DIAGRAM FOR CIRCUIT)
	ACCEPTOR IS OUT OF ADJUSTMENT OR COIN GATE IS NOT CLOSED.	CHECK COIN MECHANISM
	BLOCKING FINGERS REMAIN IN COIN PATH DUE TO: (1) DEFECTIVE COIN RETURN ELECTRO MAGNETIC (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 ENERGIZED	CHECK RELAY, REPLACE RELAY
	NO SELECTIONS WORK	CHECK #1 SELECTION SWITCH - REPLACE 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 SELECTION 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 REPLACE SWITCH
	MOTOR STARTS, BUT DOES NOT RUN	CHECK MOTOR CARRIER SWITCH, REPLACE SWITCH.
VEND MOTOR RUNS UNTIL TWO OR THREE PRODUCTS ARE VENDED OR VEND MOTORS RUN 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.
MULTI VENDS	SHORTED TRIAC	REPLACE BOARD
VENDER WILL NOT VEND	OPEN TRIAC	REPLACE BOARD

POSSIBLE PROBLEM	POSSIBLE CAUSE	SERVICE SUGGESTION
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,	OVERLOAD PROTECTOR INOPERATIVE	CHECK OVERLOAD (APPLY INSULATED JUMPER ACROSS TERMINAL, IF
CONDENSER FAN MOTOR RUNNING - UNIT COOL (NO POWER TO COMPRESSOR)		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 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.

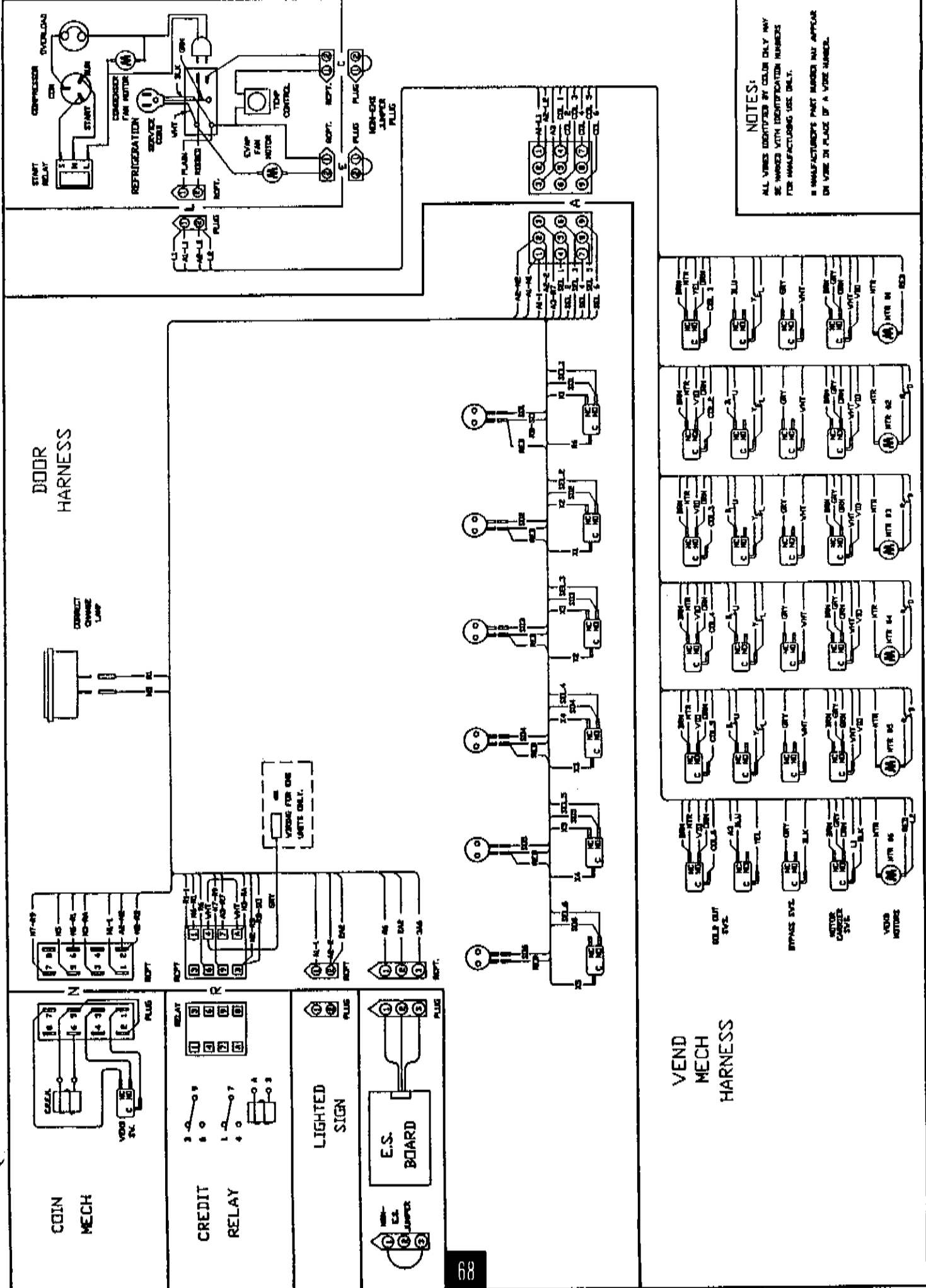
POSSIBLE PROBLEM	POSSIBLE CAUSE	SERVICE SUGGESTION
COMPRESSOR RUNS - BUT CABINET TEMPERATURE WARM	THERMOSTAT SET TOO HIGH	ADJUST THERMOSTAT (SEE INITIAL SETUP OF SERVICE MANUAL).
COMPRESSOR RUNS CONTINUOUSLY	THERMOSTAT INOPERATIVE	CHECK THERMOSTAT.
EVAPORATOR FROSTED OVER	WATER AT BASE OF EVAPORATOR 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



S.V. LEGEND
 ○ MC
 △ NE

OPERATES INTERM AND INTLRE ON SEQ. VENDERS. NOT USED ON SEQ. VENDERS.

POWER ON, MACHINE LOADED 5,6,7,8 SELECTION 38839A



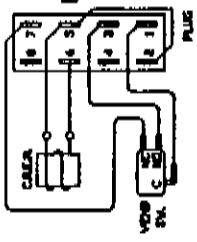
NOTES:
 ALL VIBES IDENTIFIED BY COLOR ONLY MAY BE MARKED WITH IDENTIFICATION NUMBERS FOR MANUFACTURING USE ONLY.
 * MANUFACTURER'S PART NUMBER MAY APPEAR IN VIBES IN PLACE OF A VIBE NUMBER.

388400A

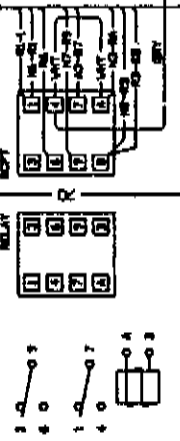
6 SELECT, 4+2

POWER OFF

COIN MECH



CREDIT RELAY



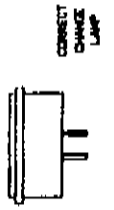
LIGHTED SIGN



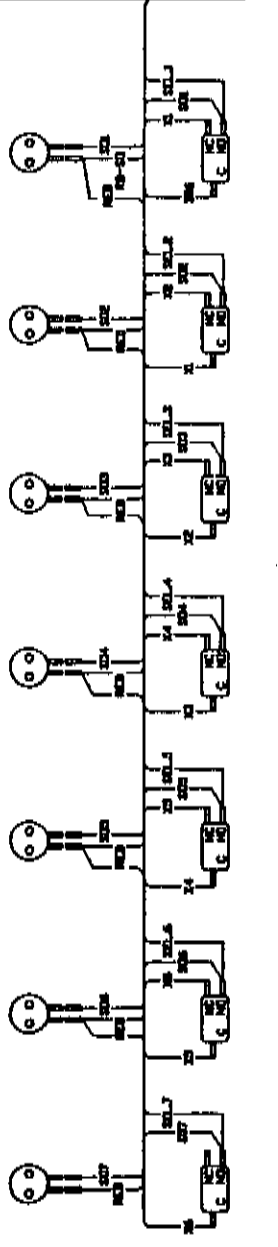
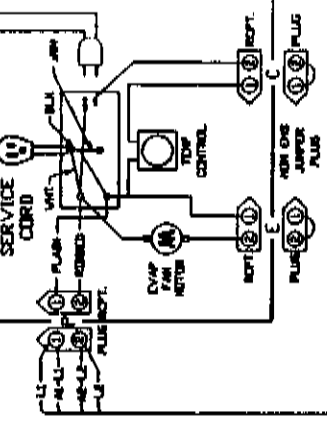
E.S. BOARD



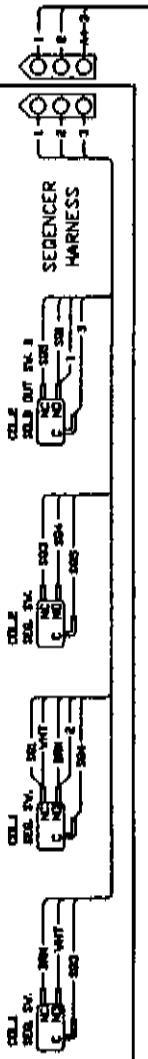
DOOR HARNESS



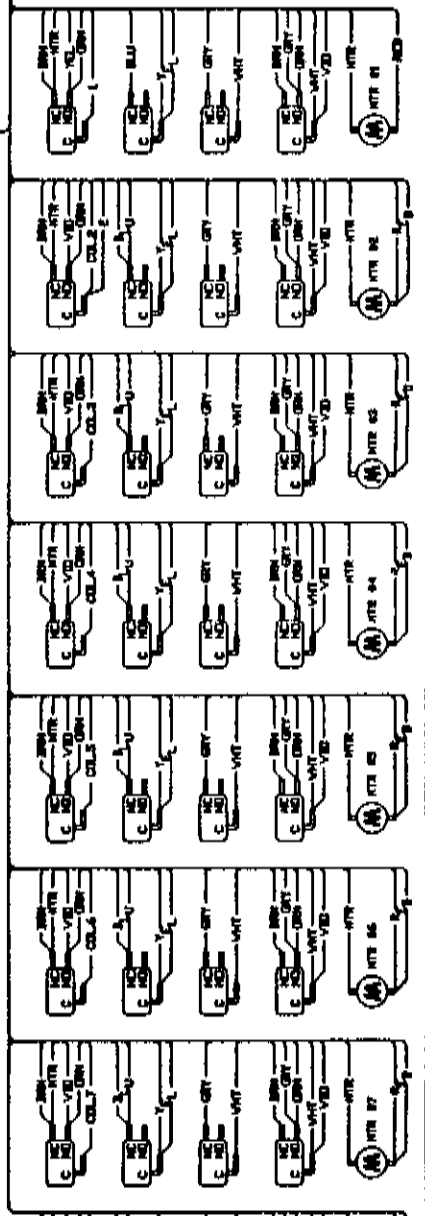
REFRIGERATION



SEQUENCER HARNESS

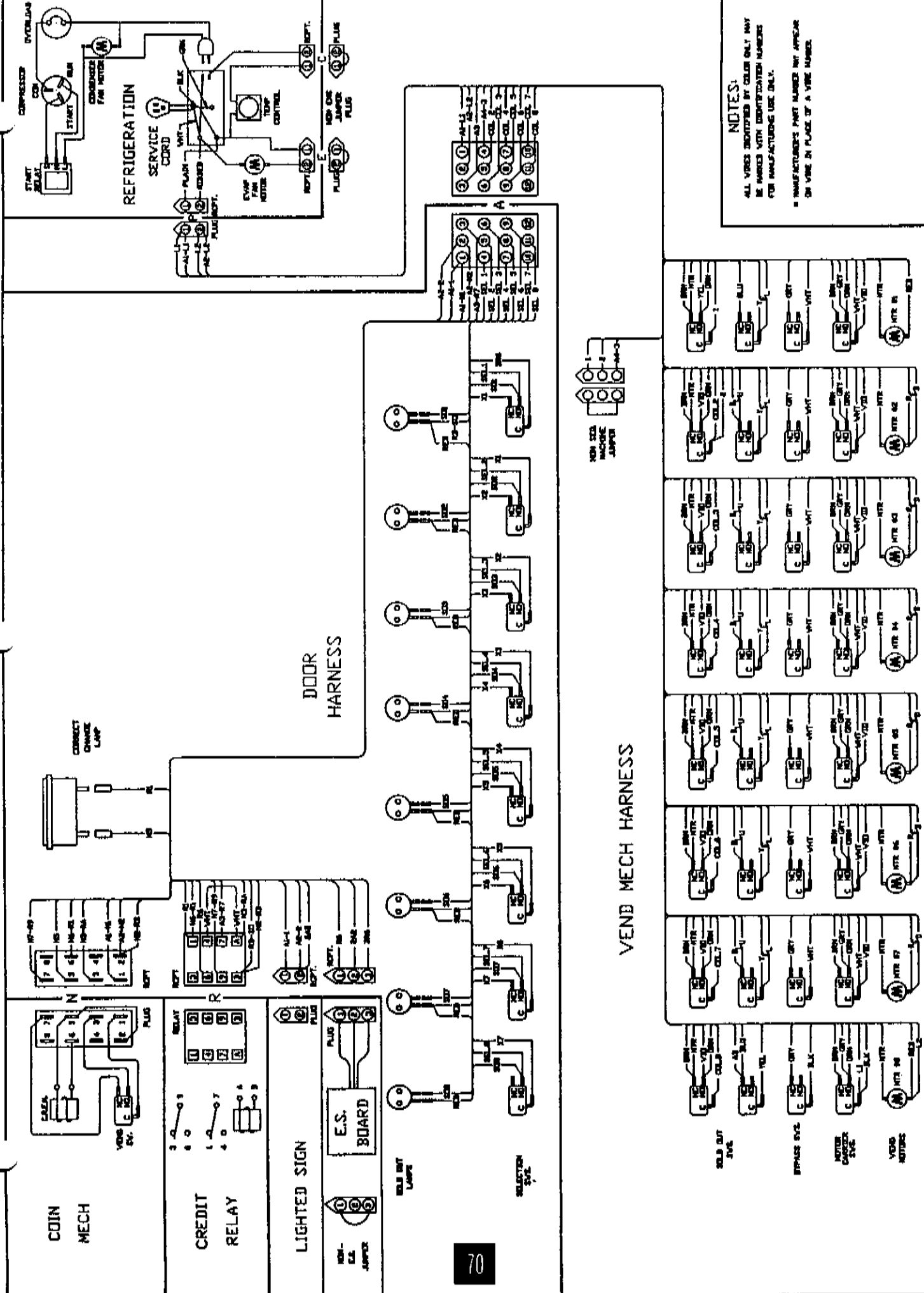


VEND MECH HARNESS



NOTES:

- ALL WIRES IDENTIFIED BY COLOR ONLY MAY BE MARKED WITH IDENTIFICATION NUMBERS FOR MANUFACTURING USE ONLY.
- MANUFACTURER'S PART NUMBER MAY APPEAR IN PLACE OF A WIRE NUMBER.
- IN REFER TO VENDOR DRAWING SHEETS FOR CDS CIRCUIT CONVENTION.



NOTES:
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 * MANUFACTURER'S PART NUMBERS NOT APPEAR ON WIRE IN PLACE OF A WIRE NUMBER.

388401A

8 SELECT, 5+3

POWER OFF