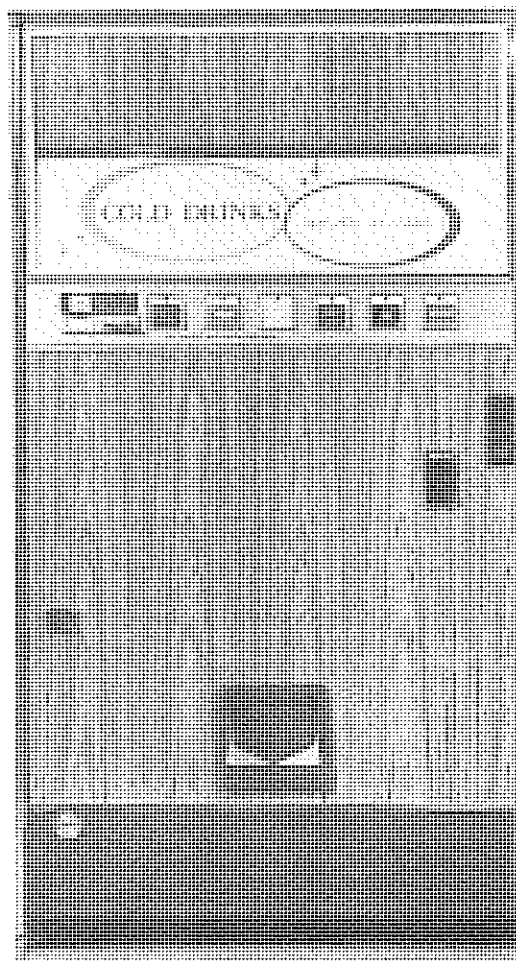
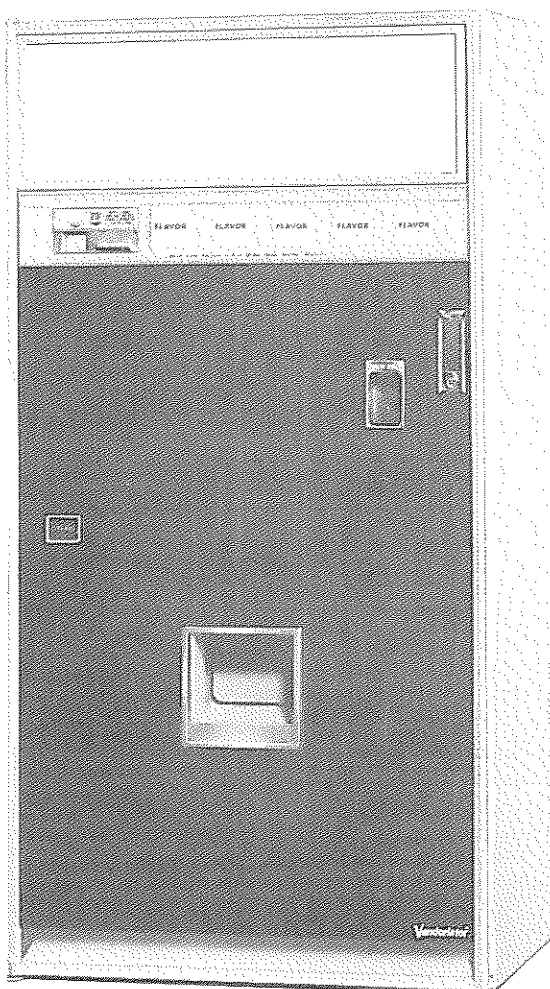


TRADE*
&
GMS**

Vendorlator®



PARTS MANUAL
for the
DOUBLE DOOR
SINGLE TRACK SERPENTINE CAN VENDER
VF165 VF246

LITERATURE PART NUMBER 370645A.

"Vendorlator" is a registered trademark which identifies only products of The Vendo Company.

* Trade, R. Crown, D Pepper, 7-Up, C. Dry, Squirt, Faygo (red), D. Cola, Barqs & Faygo (blue).

** GMS — Beige, Vendura, Arco, Shell Oil & Rowe

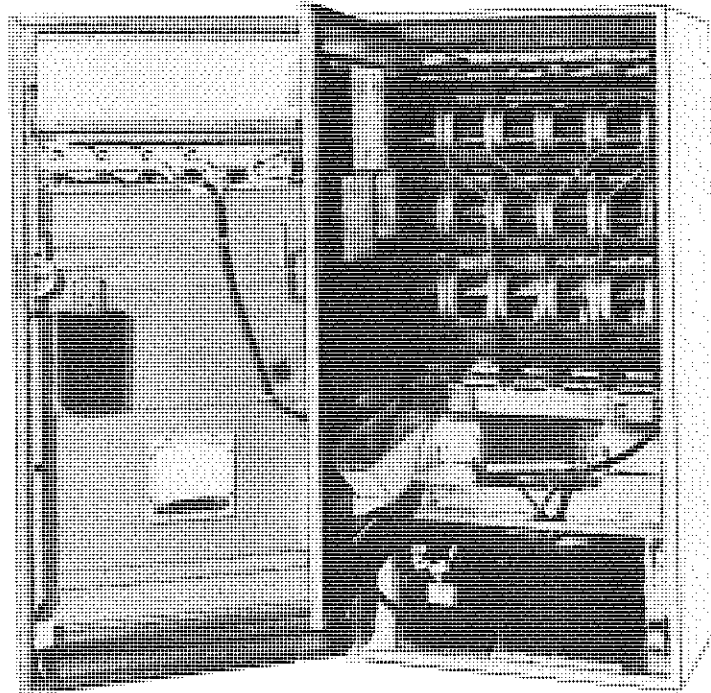
TABLE OF CONTENTS

TRADE* & GMS**

Introduction	3
Model Designations	4
Specifications	4
Parts Ordering Procedure	5
Material Return Procedure	6
Reading A Parts List	7
Outer Door (Trade*)	8-9
Outer Door (Continued) (Trade*)	10-11
Outer Door (GMS**)	12-13
Outer Door (Continued) (GMS**)	14-15
Door Latch Assembly	16-17
Three Point Latch & Inner Door Lock	18-19
Center Panel Assembly (Trade*)	20-21
Center Panel Assembly (GMS**)	22-23
Can Puncher Assembly	24-25
Can Puncher Harness Assembly	24-25
Control Panel Assembly	26-27
Lighted Sign Assembly (Trade*)	28-29
Metal Sign Assembly (Trade*)	28-29
Light Channel Assembly (165 Trade*)	30
Reflector Assembly (246 Trade*)	31
Lighted Sign Assembly (GMS**)	32
Light Channel Assembly (GMS**)	33
Inner Door Assembly	34-35
Door Harness Assembly (Trade*)	36-37
Door Harness Assembly (GMS**)	38-39
Cabinet Area	40-41
Cabinet Area (Continued)	42-43
Stack Assembly	44-45
Vend Mechanism Assembly	46-47
Vend Mechanism Harness Assembly	46-47
Refrigeration Assembly	48-49
Flavor Strips	50
Coinage Labels	51
Optional Kits	51
Notes	52

* Trade, R. Crown, D Pepper, 7-Up, C. Dry, Squirt, Faygo (red), D. Cola, Barqs & Faygo (blue).

** GMS — Beige, Vendura, Arco, Shell Oil & Rowe



INTRODUCTION

The Vendo single track serpentine venders with new "cold vault" design offer vender maintenance without product warm up, cost and labor saving features, and greater security.

Two doors with a common pivot point allow each door to operate separately. Inner refrigerated compartment door can remain closed during maintenance, eliminating product warm up and additional pull down time. Both doors, as a single unit, can be opened a full 180° for loading. The optional inner door lock allows both doors to open as a single unit with a second key required to separate the two doors before access is possible to the coin changer. The outer lock is factory installed.

The single track serpentine vender vends all domestic 10 and 12 ounce cans without modification to the stack or vend mechanisms. The vend mechanism is solenoid actuated with a fast vend cycle of one second — from selection — to exit through every door.

The built-in loading rack on the front of the stack provides for easy loading of cans into the first in — first out serpentine stack.



MODEL DESIGNATIONS

TRADE* & GMS**

This parts manual applies to the basic vender and its various model designations as called out below in the model code number. You will find the code on your vender on the serial number plate attached to the cabinet.

VF165	01C1650ZD	Trade
VF246	01C2460ZC	Trade
VF246	01C2461ZC	GMS Beige
VF246	01C2461WC	GMS Vendura
VF246	01C2461RC	GMS Rowe

SPECIFICATIONS

TRADE* & GMS**

MODELS	VF 165(*)	VF246(*)(**)
HEIGHT	64"	73"
WIDTH	32"	38 1/2"
DEPTH	23 3/8"	23 3/8"
WEIGHT	490 lbs.	655 lbs.
PRE-COOL	38	70

* Trade, R. Crown, D Pepper, 7-Up, C. Dry, Squirt, Faygo (red), D. Cola, Barqs & Faygo (blue).

** GMS — Beige, Vendura, Arco, Shell Oil & Rowe

PARTS ORDERING PROCEDURE

When ordering parts, include the following information:

1. Shipping address.
2. Address where the invoice should be sent.
3. The number of parts required.
4. Always refer to the pertinent parts and/or service manual for the correct part number and description of a specific part.
 - a. If you do not have the right parts manual at the time you order, contact The Vendo Company, Customer Services Division, 999 Corrington Avenue, Kansas City, Missouri 64126. They will provide a copy for you.

Don't hold the order pending receipt of the parts manual - use the most accurate description you can (and the model number and serial number of the machine); include the name of the assembly in which the part is used and, if practical, a sample part. Furnish any information which will enable our order department to pinpoint the exact part needed.

- b. 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 machine.
5. Always include model number and the serial number of the machines for which the parts are needed on the order.
6. List any special shipping instructions.
 - a. Always note on the order if you require air or air special, truck, parcel post, or rail. If a specific carrier is desired, note it on the order.
 - b. The Vendo Company pays freight on shipments unless air or other premium methods are requested.
7. Sign the order and note the date entered on the order.
8. When a purchase order number is used, be sure that it is legible and visible.

Mail your order to:

The Vendo Company
Customer Services
999 Corrington Avenue
Kansas City, Missouri 64126

All orders are carefully packed and inspected prior to shipment. Damage incurred during shipment should be reported at once and a claim filed with the terminating carrier.



MATERIAL RETURN PROCEDURE

All parts or assemblies returned must be accompanied by material return tags clearly stating the reason for return. (Tags are available on request.)

To replace an inoperative part within the terms of the warranty, please follow these instructions.

1. If a replacement part was taken from the available parts stock and installed on the machine, proceed as follows:

Complete a material return tag. Be sure all of the requested information is written in.

Keep the white (top) copy.

Attach the tag to the inoperative part and send it by the cheapest method of transportation to: The Vendo Company, 2001 Arthur Avenue, Elk Grove Village, Illinois 60007. The exception to this is refrigeration units and ice makers which must be shipped to: The Vendo Company, 999 Corrington Avenue, Kansas City, Missouri 64126.

A like part will be shipped, prepaid, at no-charge, if our inspection shows the inoperative part became defective in warranty.

If a part does not meet the terms of the warranty, it will be replaced with a new part and invoiced accordingly. The returned part will be scrapped to eliminate further handling charges.

2. If a spare part is not available to put on the machine, order the part required. Use the postage-paid air mail order form provided by the Customer Services Division of The Vendo Company. The part will be shipped and invoiced to you. After the replacement is received, follow the procedure as outlined above under Number 1.

For major components which are impractical to stock for normal replacement activity, order a replacement using the postage-paid air mail order form.

The part will be shipped and billed.

After exchange of the part on the machine, complete a material return tag. Check the box marked "Credit our account Invoice No." on the material return tag. Fill in the invoice number.

Attach the tag to the inoperative part and send it by the cheapest method of transportation to: The Vendo Company, 2001 Arthur Avenue, Elk Grove Village, Illinois 60007. (Refrigeration systems and ice makers to: The Vendo Company, 999 Corrington Avenue, Kansas City, Missouri 64126).

If our inspection shows the inoperative part became 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. To receive credit the inoperative part **MUST** be returned within 30 days from the date the replacement was shipped.

We do not issue cash credit for the return of any part or accessory.

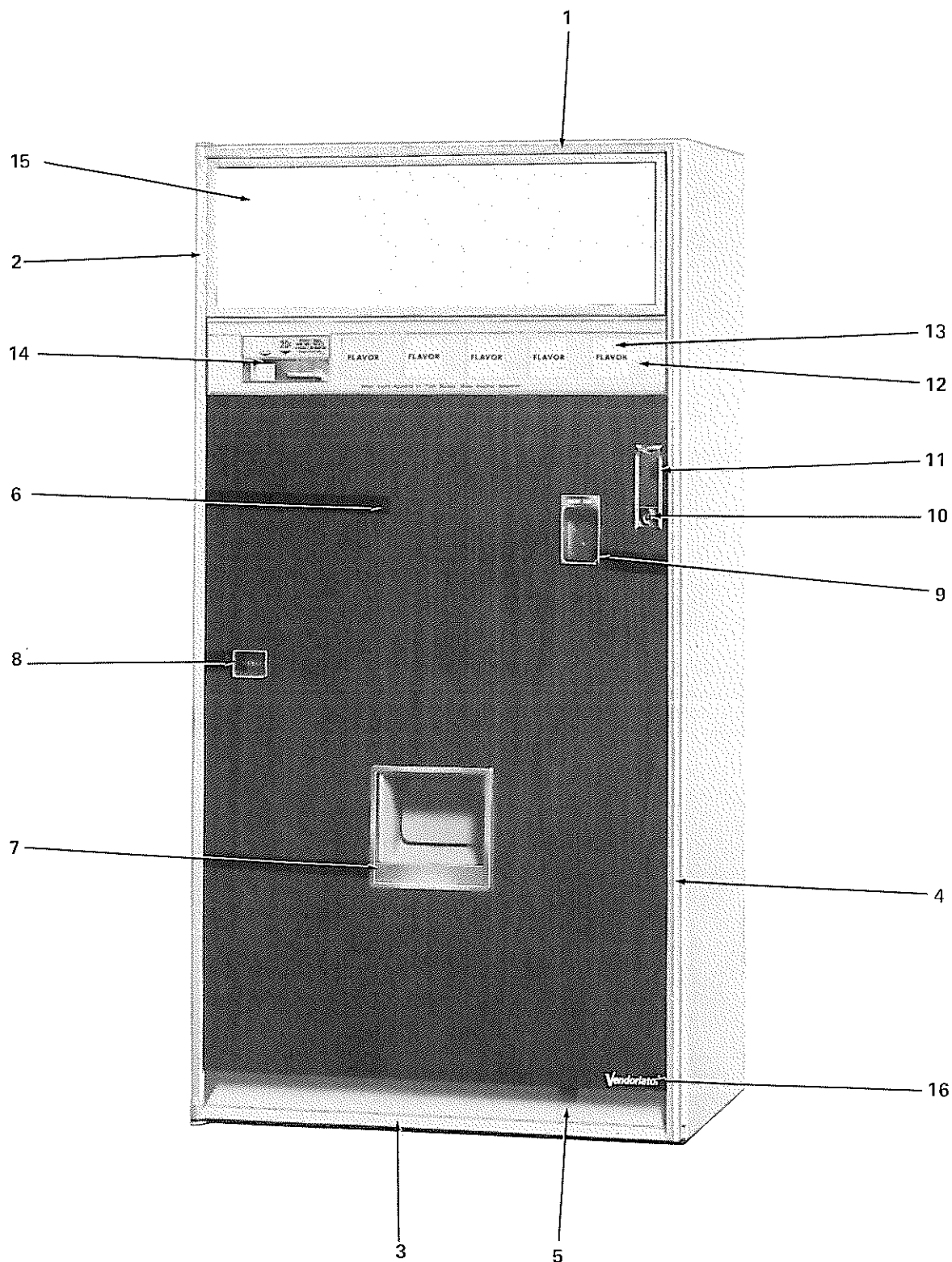
THE VENDO COMPANY MATERIAL RETURN TAG PLEASE COMPLETE ONE FOR EACH ITEM RETURNED	
OF TAG, INSTRUCTIONS. SEE BACK FOR SHIPPING	FROM <u>The Best Vending Co.</u>
	ADDRESS <u>123 Main Street</u> CITY <u>Purchase</u> STATE <u>New York</u>
	PART NUMBER <u>46789</u> PART NAME <u>Refrigeration System</u>
	REASON FOR RETURN <u>Inoperative</u>
	THIS INOPERATIVE PART, REFRIGERATION SYSTEM, OR ICE MAKER WAS REMOVED FROM.
	MACHINE MODEL NO. <u>481</u> MACHINE SERIAL NO. <u>207007221</u> REPLACEMENT DATE <u>5-10-69</u>
	COMPLETE THE FOLLOWING FOR REFRIGERATION UNITS AND ICE MAKERS
	INOPERATIVE UNIT SERIAL NUMBER <u>723996</u>
	THE INOPERATIVE UNIT WAS REPLACED BY UNIT SERIAL NO. <u>654321</u>
	THE REPLACEMENT UNIT WAS TAKEN FROM OUR STOCK (PLEASE CHECK): YES ☒ OR FROM ANOTHER MACHINE: MODEL NUMBER _____ SERIAL NO. _____
PLEASE CHECK ONE: ☒ REPLACE WITH A LIKE PART OR REFRIGERATION SYSTEM	
☐ CREDIT OUR ACCOUNT. WE PURCHASED A REPLACEMENT WITHIN THE PAST 30 DAYS IT WAS BILLED TO US ON YOUR INVOICE NO.	
DATE <u>5-12-69</u> SIGNED <u>Adam Best</u>	
KEEP THIS COPY FOR YOUR RECORDS	

READING A PARTS LIST

1. Step 1 is the Door Final Assembly Complete. Anything indented (A) under that part is a detail part of the assembly and will be included in that part number.
2. Step 2 is an assembly which is a part of the Door Final Assembly Complete. Example: Sign Assembly – Any part indented (B) under the Sign Assembly is a detail part of that assembly.
3. Step 3. This step shows that the parts, which are not a part of the Sign Assembly, return to the left in line with the Sign Assembly thus continuing the Door Final Assembly. All parts indented under the Door Final Assembly Complete are part of the Door Final Assembly and all parts indented under the Sign Assembly make up the Sign Assembly.
4. Step 4 shows individual parts. This shows that any part that is not indented under an assembly is not part of an assembly on that page.
5. In the Item Number column, a dash may appear. The dash may mean one of two things; the item described is a complete assembly, or the item is a detail part not shown in the drawing.

	ITEM NO.	PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
Step 1	-	117420-7	1	Door Final Assy. Complete
Step 2	1	117228-1	1	Door Weld Assy.
	2	341870	1	Vend Door
	3	330259	1	Trim Vend Door
	-	110506-14	1	Sign Assy. Complete
Step 3	4	331303-1	1	Frame - Bottom & Top
	5	3312	1	Frame - Sides
	6	329	1	Glass - Sign
Step 4	7	1120	8	Tee Weld Assy.
	8	327450	8	Thumb Nut
	9	V800899	1	Screw
	10	V800570	1	Nut

OUTER DOOR
TRADE*

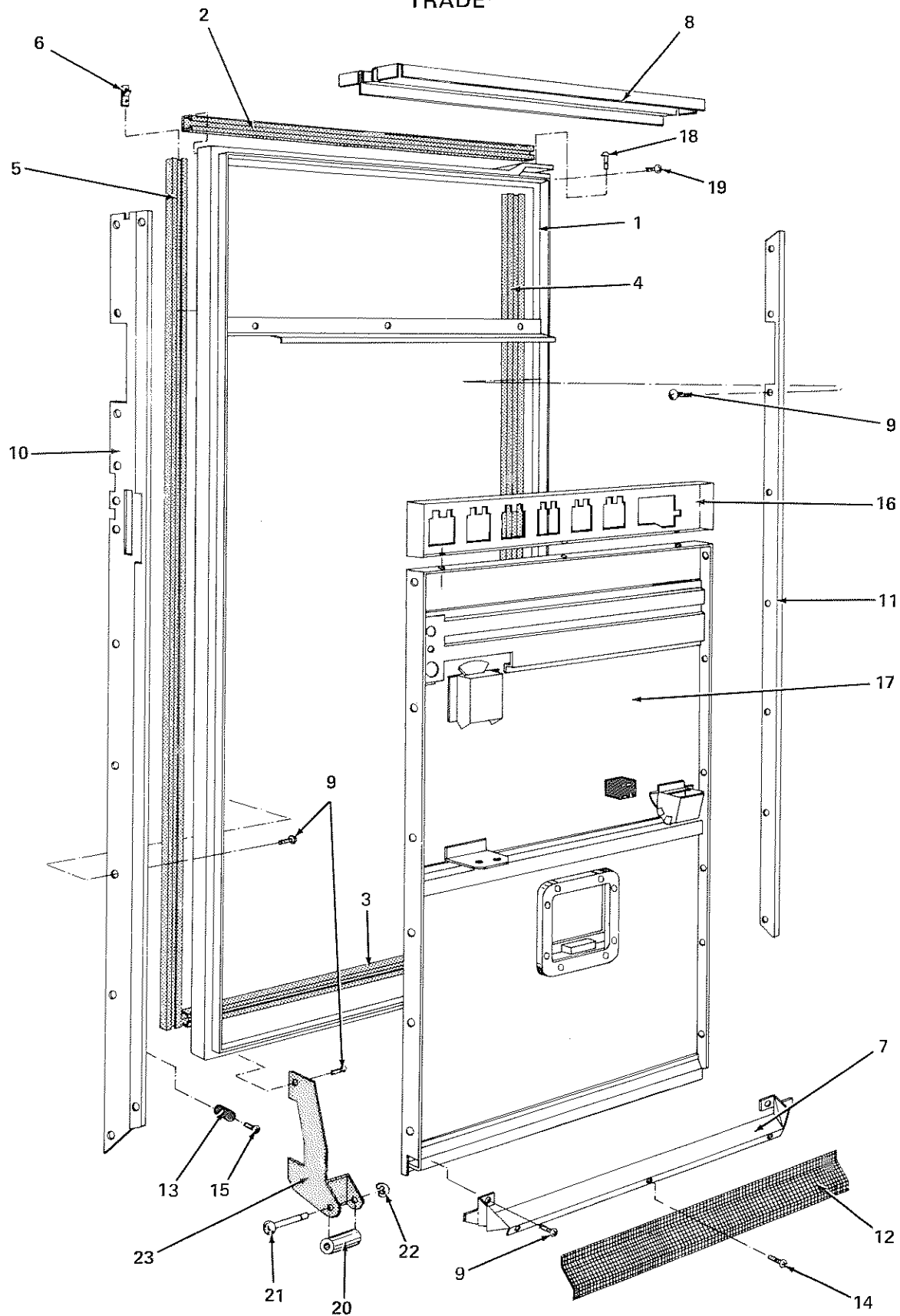


**OUTER DOOR
TRADE***

ITEM NO.	PART NO. 165	PART NO. 246	NO. REQ.	PART NAME AND DESCRIPTION
-	366416-1	368547-1	1	Outer Door Final Assembly Trade P.T.
-	366416-2	368547-2	1	Outer Door Final Assembly Trade C.P.
-	366416-3	368547-3	1	Outer Door Final Assembly Royal Crown P.T.
-	366416-4	368547-4	1	Outer Door Final Assembly Royal Crown C.P.
-	366416-5	368547-5	1	Outer Door Final Assembly Dr Pepper P.T.
-	366416-6	368547-6	1	Outer Door Final Assembly Dr Pepper C.P.
-	366416-7	368547-7	1	Outer Door Final Assembly 7-Up P.T.
-	366416-8	368547-8	1	Outer Door Final Assembly 7-Up C.P.
-	366416-9	368547-9	1	Outer Door Final Assembly Canada Dry P.T.
-	366416-10	368547-10	1	Outer Door Final Assembly Canada Dry C.P.
-	366416-11	368547-11	1	Outer Door Final Assembly Squirt P.T.
-	366416-12	368547-12	1	Outer Door Final Assembly Squirt C.P.
-	366416-13	368547-13	1	Outer Door Final Assembly Faygo (Red) P.T.
-	366416-14	368547-14	1	Outer Door Final Assembly Faygo (Red) C.P.
-	366416-15	368547-15	1	Outer Door Final Assembly Double Cola P.T.
-	366416-16	368547-16	1	Outer Door Final Assembly Double Cola C.P.
-	366416-17	368547-17	1	Outer Door Final Assembly Barqs P.T.
-	366416-18	368547-18	1	Outer Door Final Assembly Barqs C.P.
-	366416-19	368547-19	1	Outer Door Final Assembly Faygo (Blue) P.T.
-	366416-20	368547-20	1	Outer Door Final Assembly Faygo (Blue) C.P.
1	368424-3	368424-1	1	Trim - Top
2	337968-12	337968-14	1	Trim - Left Hand
3	369490-3	369490-1	1	Trim - Bottom
4	369491-1	369491-3	1	Trim - Right Hand
-	369490-3	369490-1	1	Trim - Lower (Canada Dry only)
5	366621-1CH	366621-2CH	1	Air Vent - Door
6	-	-	1	Center Panel Assembly - Pull Tab (See Page 21)
7	339383	339383	1	Trim - Delivery Eyelet
8	320932	320932	1	Trim - Coin Return
9	356467-1	356467-1	1	Trim - Pull Tab
-	-	-	1	Center Panel Assembly - Can Punch (See Page 21)
-	113711-6	113711-6	1	Can Puncher Assembly (See Page 25)
10	123616	123616	1	Door Latch Assembly (See Page 17)
11	369526	369526	1	Bezel
12	-	-	1	Control Panel Assembly (See Page 27)
13	368247	368247	A/R	Selection Button
14	110860	110860	1	Coin Slot Assembly
15	123262-22	123262-10	1	Lighted Sign Assembly (See Page 29)
-	123306-8	123306-10	1	Metal Sign Assembly (See Page 29)
16	348895	348895	1	Decal - Vendorlator

OUTER DOOR (Continued)

TRADE*

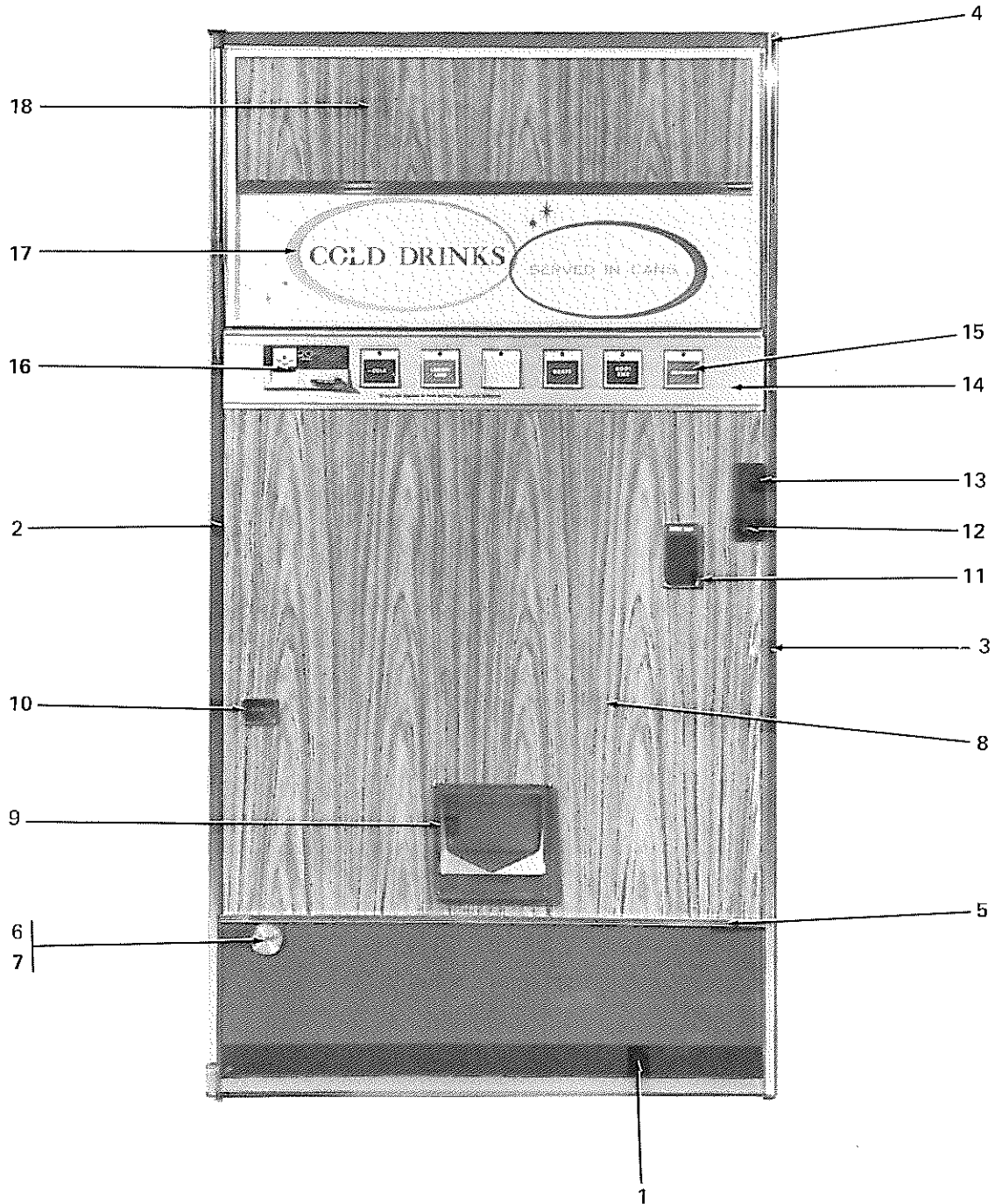


OUTER DOOR (Continued)
TRADE*

ITEM NO.	PART NO. 165	PART NO. 246	NO. REQ.	PART NAME AND DESCRIPTION
1	122781-10T	122781-11T	1	Door Weld Assembly (See Note 1)
1	122781-10BS	122781-11BS	1	Door Weld Assembly (Squirt)
1	122781-10R	122781-11R	1	Door Weld Assembly (Barqs)
2	368424-3	368424-1	1	Trim - Top
3	369490-3	369490-1	1	Trim - Bottom
4	337968-12	337968-14	1	Trim - Left Hand
5	369491-1	369491-3	1	Trim - Right Hand
6	366444	366444	A/R	Trim - Clip
7	366621-1CH	366621-2CH	1	Air Vent - Door
8	122777-1T	122777-2T	1	Skirt Weld Assembly - Top
9	V801312	V801312	A/R	Tapping Screw
10	122800T	122800-2T	1	Skirt Weld Assembly - Side
11	367913T	367913-2T	1	Door Reinforcement
12	368993-1	368993-2	1	Grill
13	369466	369466	3	Bumper - Door
14	V800545	V800545	A/R	Tapping Screw
15	V800500	V800500	A/R	Tapping Screw
16	-	-	1	Control Panel Assembly (See Page 27)
17	-	-	1	Center Panel Assembly (See Page 21)
18	365453	365453	1	Hinge Pin - Top
19	365454	365454	1	Set Screw
20	368656	368656	1	Roller
21	368657	368657	1	Pin
22	V327370	V327370	1	Retainer
23	123273	123273	1	Roller Bracket Weld Assembly

Note: 1. Trade, R. Crown, D Pepper, 7-Up, C. Dry, Faygo (Red), Faygo (Blue) & D. Cola.

OUTER DOOR
GMS**

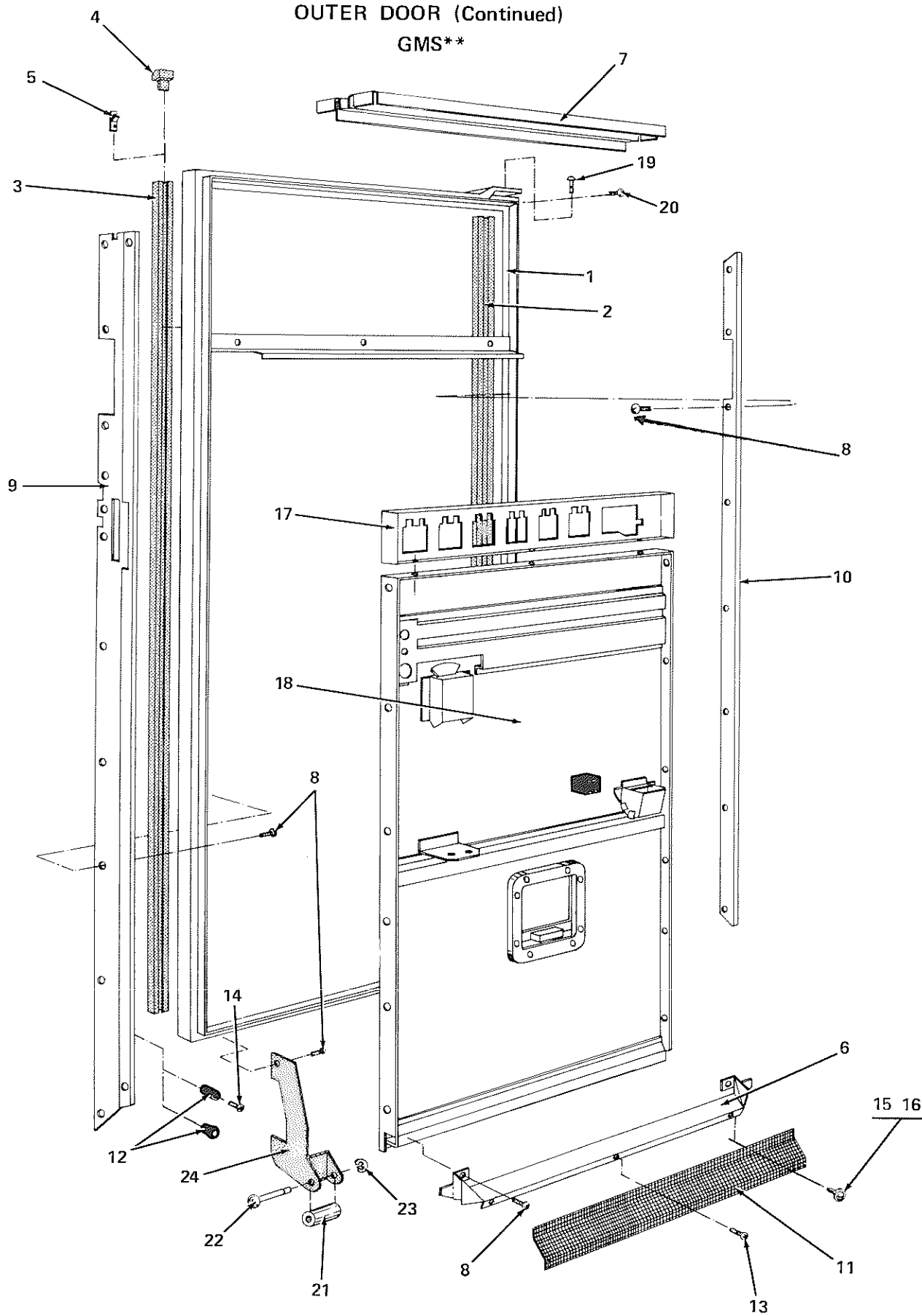


OUTER DOOR GMS**

ITEM NO.	PART NO. 246	NO. REQ.	PART NAME AND DESCRIPTION
-	368821-1	1	Outer Door Final Assembly GMS Beige P.T.
-	368821-2	1	Outer Door Final Assembly GMS Beige C.P.
-	368862-1	1	Outer Door Final Assembly GMS Vendura Walnut P.T.
-	368862-2	1	Outer Door Final Assembly GMS Vendura Walnut C.P.
-	368862-3	1	Outer Door Final Assembly GMS Vendura Honeytone P.T.
-	368862-4	1	Outer Door Final Assembly GMS Vendura Honeytone C.P.
-	368862-5	1	Outer Door Final Assembly GMS Rowe Rosewood P.T.
-	368862-6	1	Outer Door Final Assembly GMS Shell Oil Walnut (Coke) P.T.
-	368862-7	1	Outer Door Final Assembly GMS Shell Oil Walnut (Coke) C.P.
-	368862-8	1	Outer Door Final Assembly GMS Arco Honey Pecan (Coke) P.T.
-	368862-9	1	Outer Door Final Assembly GMS Arco Honey Pecan (Coke) C.P.
-	368862-10	1	Outer Door Final Assembly GMS Shell Oil Walnut (Pepsi) P.T.
-	368862-11	1	Outer Door Final Assembly GMS Shell Oil Walnut (Pepsi) C.P.
-	368862-12	1	Outer Door Final Assembly GMS Arco Honey Pecan (Pepsi) P.T.
-	368862-13	1	Outer Door Final Assembly GMS Arco Honey Pecan (Pepsi) C.P.
1	366621-2CH	1	Air Vent - Door (All GMS)
2	352986-21	1	Trim - Left Hand (All GMS Except Beige)
3	352986-22	1	Trim - Right Hand (All GMS Except Beige)
4	352951	1	Trim - Cap (All GMS Except Beige)
5	368666	1	Trim - Lower (All GMS Except Beige)
-	V350494	4	Tee Bolt
-	V800955	4	Hex Nut & Lockwasher
6	363190	1	Medallion Casting
7	363191	1	Nameplate - Vendo
-	322904	1	Nut
8	-	1	Center Panel Assembly Pull Tab (See Page 23)
9	339383	1	Trim - Delivery Eyelet
10	320932	1	Trim - Coin Return
11	356467-1	1	Trim - Pull Tab
-	-	1	Center Panel Assembly Can Punch (See Page 23)
-	113711-6	1	Can Puncher Assembly (See Page 25)
12	123216	1	Door Latch Assembly (See Page 17)
13	369526	1	Bezel
14	-	1	Control Panel Assembly (See Page 27)
15	368247	6	Selection Button
16	110860	1	Coin Slot Assembly
17	-	1	Lighted Sign Assembly (See Page 32)
18	-	1	Top Panel Assembly (See Page 32)

"Coca-Cola" and "Coke" are registered trademarks which identify the same product of The Coca-Cola Company.
"Pepsi-Cola" and "Pepsi" are registered trademarks of PepsiCo, Inc.

OUTER DOOR (Continued)
GMS**



** GMS — Beige, Vendura, Arco, Shell Oil & Rowe

OUTER DOOR (Continued)
GMS**

ITEM NO.	PART NO. 246	NO. REQ.	PART NAME AND DESCRIPTION
1	122781-22M	1	Door Weld Assembly (GMS - Beige)
1	122781-24DT	1	Door Weld Assembly (GMS - Vendura)
1	122781-24M	1	Door Weld Assembly (GMS - Arco)
1	122781-24T	1	Door Weld Assembly (GMS - Shell Oil)
1	122781-24CH	1	Door Weld Assembly (GMS - Rowe)
2	352986-21	1	Trim - Left Hand (All GMS Except Beige)
3	352986-22	1	Trim - Right Hand (All GMS Except Beige)
4	352951	1	Trim - Cap (All GMS Except Beige)
5	366444	A/R	Trim - Clip
6	366621-2CH	1	Air Vent - Door (All GMS)
7	122777-2T	1	Skirt Weld Assembly - Top (GMS - Shell Oil)
7	122777-2DT	1	Skirt Weld Assembly - Top (GMS - Vendura)
7	122777-2M	1	Skirt Weld Assembly - Top (GMS - Beige & Arco)
7	122777-2CH	1	Skirt Weld Assembly - Top (GMS - Rowe)
8	V801312	A/R	Tapping Screw
9	122800-2T	1	Skirt Weld Assembly - Side (GMS - Shell Oil)
9	122800-2DT	1	Skirt Weld Assembly - Side (GMS - Vendura)
9	122800-2M	1	Skirt Weld Assembly - Side (GMS - Beige & Arco)
9	122800-2CH	1	Skirt Weld Assembly - Side (GMS - Rowe)
10	367913-2T	1	Door Reinforcement (GMS - Shell Oil)
10	367913-2DT	1	Door Reinforcement (GMS - Vendura)
10	367913-2M	1	Door Reinforcement (GMS - Beige & Arco)
10	367913-2CH	1	Door Reinforcement (GMS - Rowe)
11	368993-2	1	Grill
12	369466	3	Bumper - Door (GMS - Beige)
12	369024	3	Bumper - Door (All GMS Except Beige)
13	V800545	A/R	Tapping Screw (GMS - Beige)
14	V800500	A/R	Tapping Screw (GMS - Beige)
15	V800640	8	Tapping Screw (All GMS Except Beige)
16	V801013	8	Flat Washer (All GMS Except Beige)
17	-	1	Control Panel Assembly (See Page 27)
18	-	1	Center Panel Assembly (See Page 23)
19	365453	1	Hinge Pin - Top
20	365454	1	Set Screw
21	368656	1	Roller
22	368657	1	Pin
23	V327370	1	Retainer
24	123273	1	Roller Bracket Weld Assembly



DOOR LATCH ASSEMBLY

TRADE* & GMS**

During production, a change was incorporated in the double door venders to provide even greater security against break-in. This change is identified by a new, die cast bezel, replacing the earlier plastic bezel.

When ordering replacement parts for machines originally produced with the plastic bezel, note the installation instructions below and refer to the following page for specific part numbers.

PLASTIC BEZEL

The plastic bezel can be replaced with: A. another plastic bezel, B. a chrome-moly bezel. (Steel alloy material)

- A. Replace the bezel, PN 365666, using the existing tapping screw and lockwasher.
- B. Order Chrome-moly bezel kit number 123906.

HANDLE

To replace the handle in a machine originally produced with a plastic bezel, the door latch assembly must be disassembled. Reassemble with front face of lock barrel flush with or 3/32" inside front face of handle. Rotate lock to match the appropriate slot to meet this condition. Adjust the set screw to obtain 1/64" clearance when lock bolt is thru bolt slot and barrel is pulled fully forward with key.

LATCH HOUSING

To replace the latch housing in a machine originally produced with the plastic bezel, you must order additionally: Nut, part number 369614.

DOOR LATCH ASSEMBLY

To replace the door latch assembly in a machine originally produced with the plastic bezel, you must order additionally: Nut, part number 369614.

CENTER PANEL

To replace a center panel, using the door latch assembly, originally produced on the machine with a plastic bezel, requires one each:

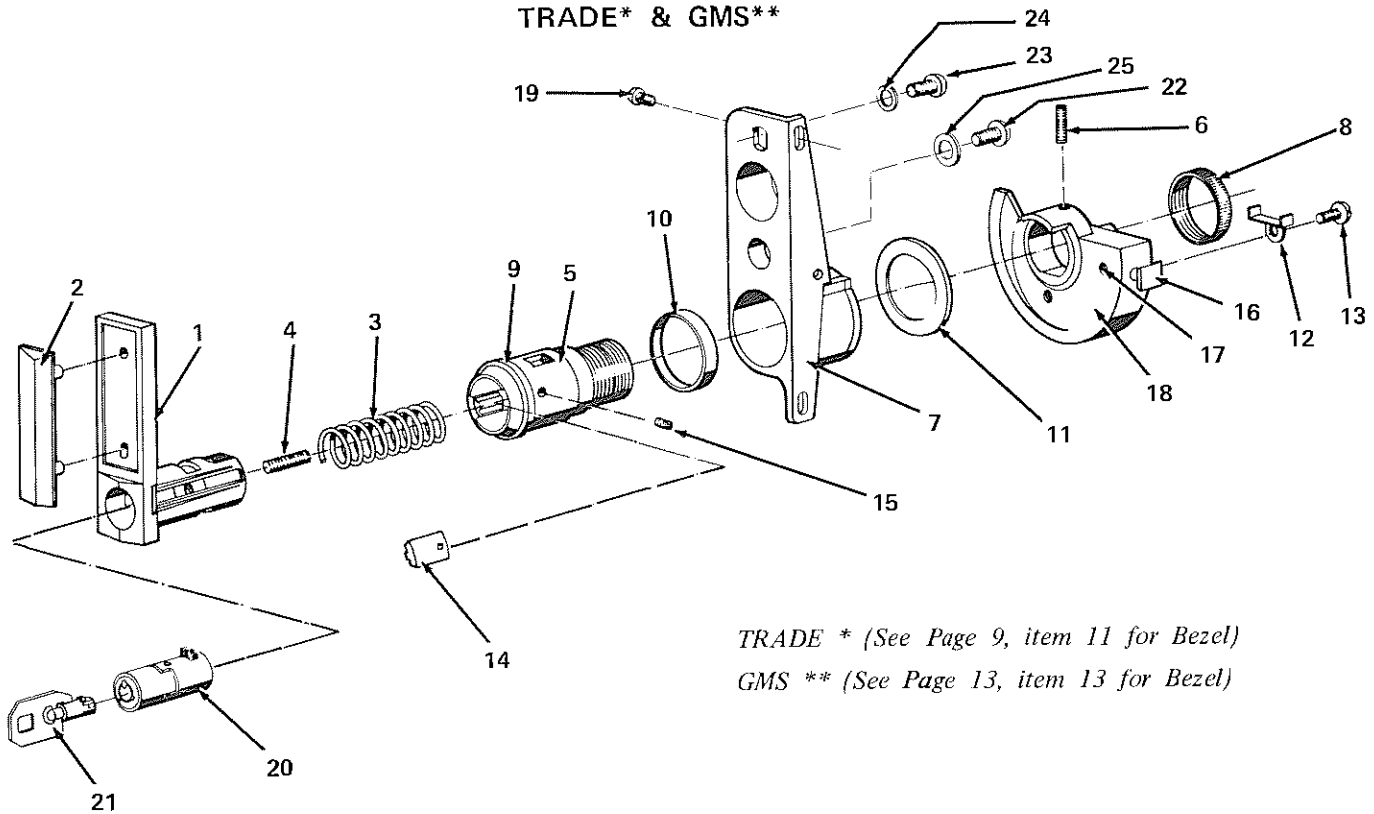
1	Bezel	P/N 369526
1	Handle	P/N 365670
1	Latch Housing	P/N 365668
1	Screw	P/N V801356
1	Washer	P/N V801018
1	Screw	P/N V800821
1	Washer	P/N V801011

* Trade, R. Crown, D Pepper, 7-Up, C. Dry, Squirt, Faygo (red), D. Cola, Barqs & Faygo (blue).

** GMS — Beige, Vendura, Arco, Shell Oil & Rowe

DOOR LATCH ASSEMBLY

TRADE* & GMS**

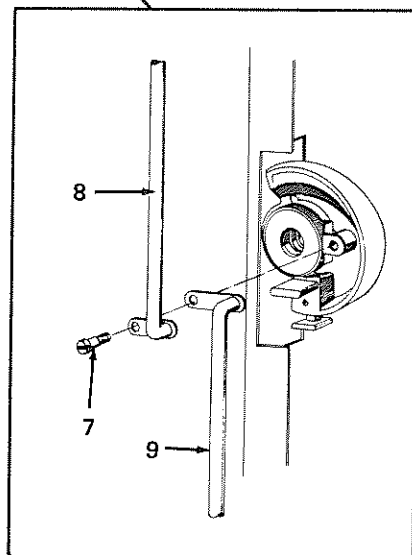
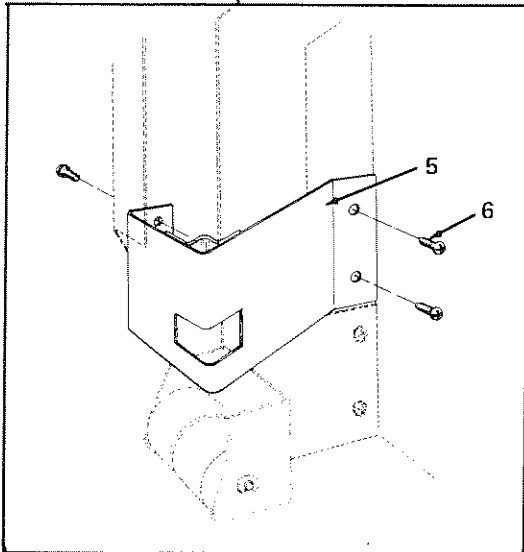
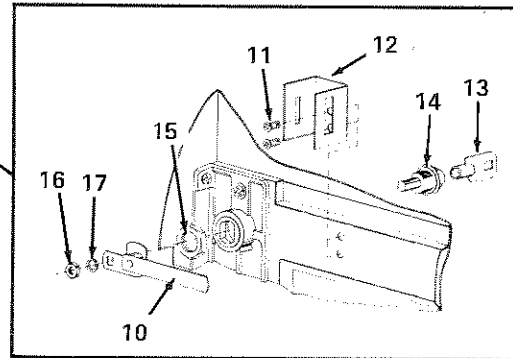
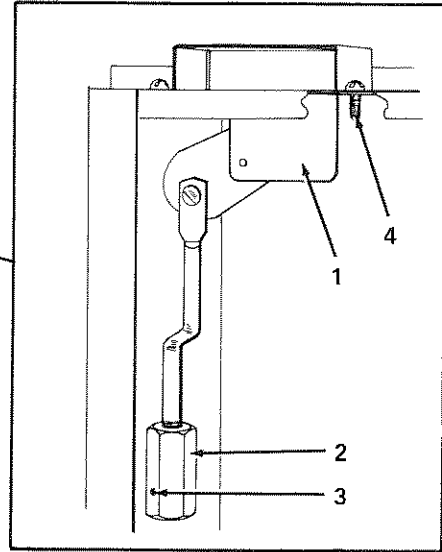
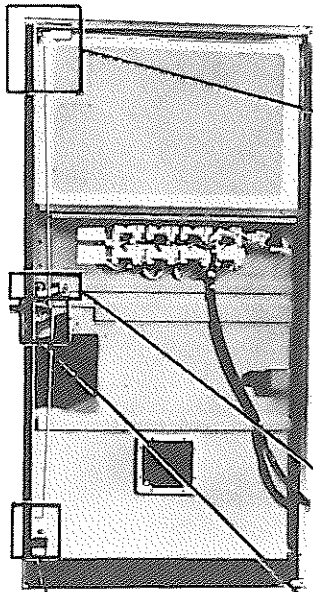


TRADE * (See Page 9, item 11 for Bezel)

GMS ** (See Page 13, item 13 for Bezel)

ITEM NO.	PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
-	123616	1	Door Latch Assembly
1	365670	1	Handle - Latch
2	365665	1	Trim - Lock Handle
3	365664	1	Spring
4	365695	1	Set Screw
5	365669	1	Operating Tube
6	V800304	1	Set Screw
7	365668	1	Housing Latch
8	365777	1	Nut - Lock
9	366499	1	Washer
10	369076	1	Bearing - Cam
11	366501	1	Washer
12	368114	1	Retainer
13	V800114	1	Machine Screw
14	368673	2	Spacer - Drive
15	368681	2	Pin - Slide
-	123299	1	Cam Latch Assembly
16	367885	1	Latch Pin
17	V801121	1	Spring Pin
18	365671	1	Cam
19	V801313	2	Tapping Screw
20	368688	1	Cylinder - Lock (Specify Key No.)
21	346118	1	Key (Specify Key No.)
22	V801356	1	Tapping Screw
23	V800821	1	Tapping Screw
24	V801011	1	Flat Washer
25	V801018	1	Flat Washer

**THREE POINT LATCH
INNER DOOR LOCK
TRADE* & GMS****



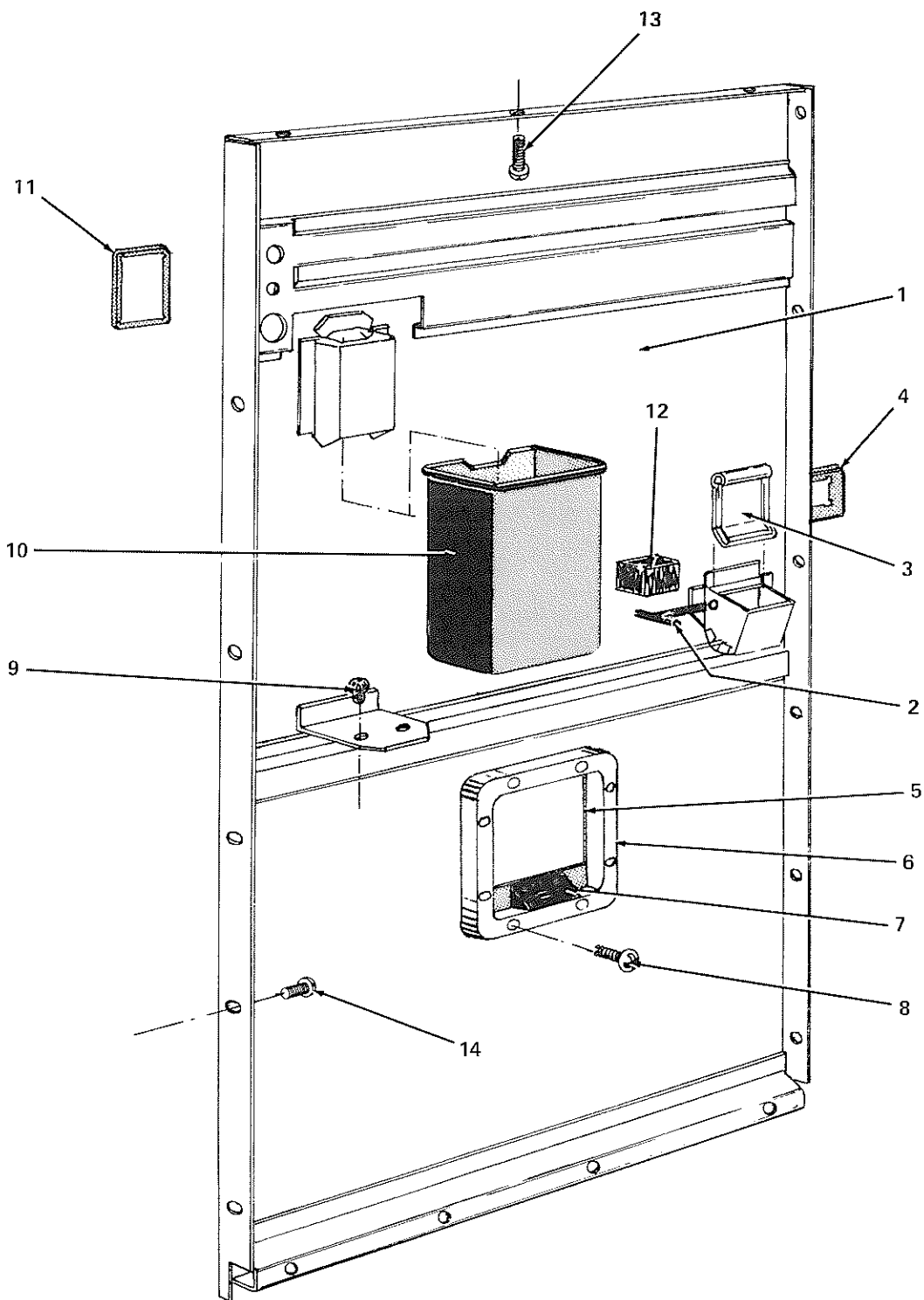
* Trade, R. Crown, D Pepper, 7-Up, C. Dry, Squirt, Faygo (red), D. Cola, Barqs & Faygo (blue).

** GMS — Beige, Vendura, Arco, Shell Oil & Rowe

**THREE POINT LATCH
INNER DOOR LOCK
TRADE* & GMS****

ITEM NO.	PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
1	122823	1	Latch and Retainer Assembly
2	368513	1	Collar - Arm Link
3	V801340	1	Tapping Screw
4	V800639	2	Tapping Screw
5	122827	1	Guide Bracket
6	V801313	3	Tapping Screw
7	368115	1	Shoulder Screw
8	368030	1	Arm - Link - Upper (165)
8	368030-2	1	Arm - Link - Upper (246)
9	368029	1	Arm - Link - Lower
10	122850	1	Door Latch Assembly
11	V800502	2	Tapping Screw
12	368070	1	Latch Retainer
13	346118	1	Key (Specify Key Numbers)
14	346128	1	Lock (Specify Key Numbers)
15	329039-2	1	Hex Nut
16	329039-3	1	Hex Nut
17	V801033	1	Spring Lock Washer
—	365567	6	Spacer
—	365567-1	2	Spacer

**CENTER PANEL ASSEMBLY
TRADE***

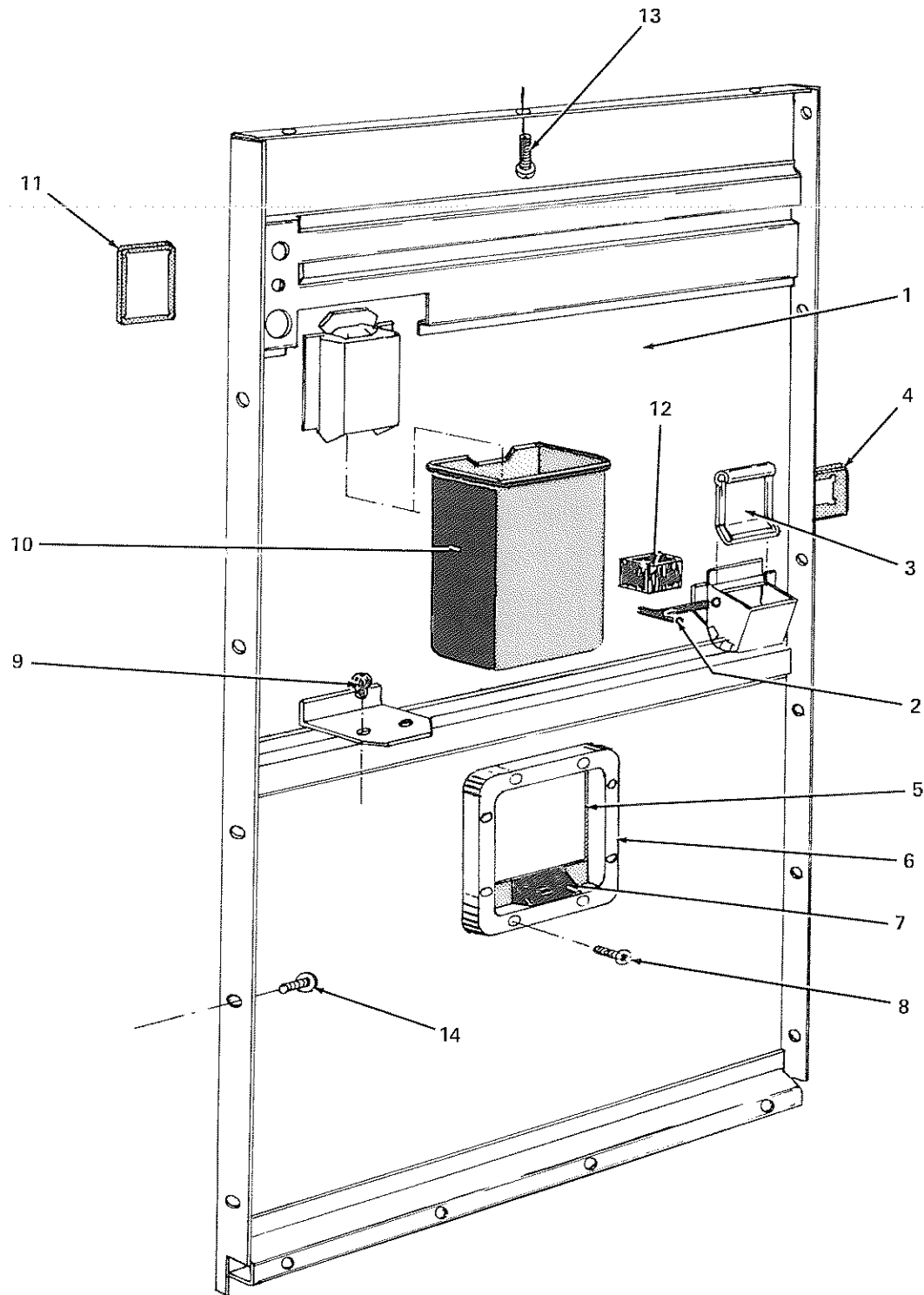


CENTER PANEL ASSEMBLY TRADE*

ITEM NO.	PART NO. 165	PART NO. 246	NO. REQ.	PART NAME AND DESCRIPTION
1	123218-19	123218-23	1	Center Panel Assembly C.P. (See Note 1)
1	123218-18	123218-22	1	Center Panel Assembly P.T. (See Note 1)
1	123218-29	123218-33	1	Center Panel Assembly C.P. (7-Up)
1	123218-28	123218-32	1	Center Panel Assembly P.T. (7-Up)
1	123218-5ED	123218-11ED	1	Center Panel Assembly C.P. (Canada Dry)
1	123218-4ED	123218-10ED	1	Center Panel Assembly P.T. (Canada Dry)
1	123218-5R	123218-11R	1	Center Panel Assembly C.P. (Barqs)
1	123218-4R	123218-10R	1	Center Panel Assembly P.T. (Barqs)
1	123218-5DP	123218-11DP	1	Center Panel Assembly C.P. (Faygo Red)
1	123218-4DP	123218-10DP	1	Center Panel Assembly P.T. (Faygo Red)
1	123218-5DQ	123218-11DQ	1	Center Panel Assembly C.P. (Faygo Blue)
1	123218-4DQ	123218-10DQ	1	Center Panel Assembly P.T. (Faygo Blue)
-	123257-4	123257-9	1	Door Panel Woodgrain Assembly C.P. (See Note 1)
-	123257-3	123257-8	1	Door Panel Woodgrain Assembly P.T. (See Note 1)
-	123257-18	123257-23	1	Door Panel Woodgrain Assembly C.P. (7-Up)
-	123257-17	123257-22	1	Door Panel Woodgrain Assembly P.T. (7-Up)
-	113711-6	113711-6	1	Can Puncher Assembly (See Page 25)
-	338981	338981	1	Label - Cleaning - Can Punch
-	338968	338968	1	Label - Can Punch
2	320935	320935	1	Pin
3	320934	320934	1	Door - Coin Return
4	320932	320932	1	Trim - Coin Return
5	339383	339383	1	Trim - Delivery Eyelet
6	365851	365851	1	Trim - Retainer
7	348213	348213	1	Bumper - Eyelet
8	V800791	V800791	A/R	Tapping Screw
9	37960	37960	2	Bumper - Crown Box - Pull Tab
10	320943	320943	1	Crown Box - Pull Tab
11	356467-1	356467-1	1	Trim - Pull Tab
12	37924	37924	1	Bumper - Coin Box
13	V800738	V800738	A/R	Tapping Screw
14	V801312	V801312	A/R	Tapping Screw

Note: 1. Trade, Royal Crown, Dr Pepper, Squirt, Double Cola

CENTER PANEL ASSEMBLY
GMS**



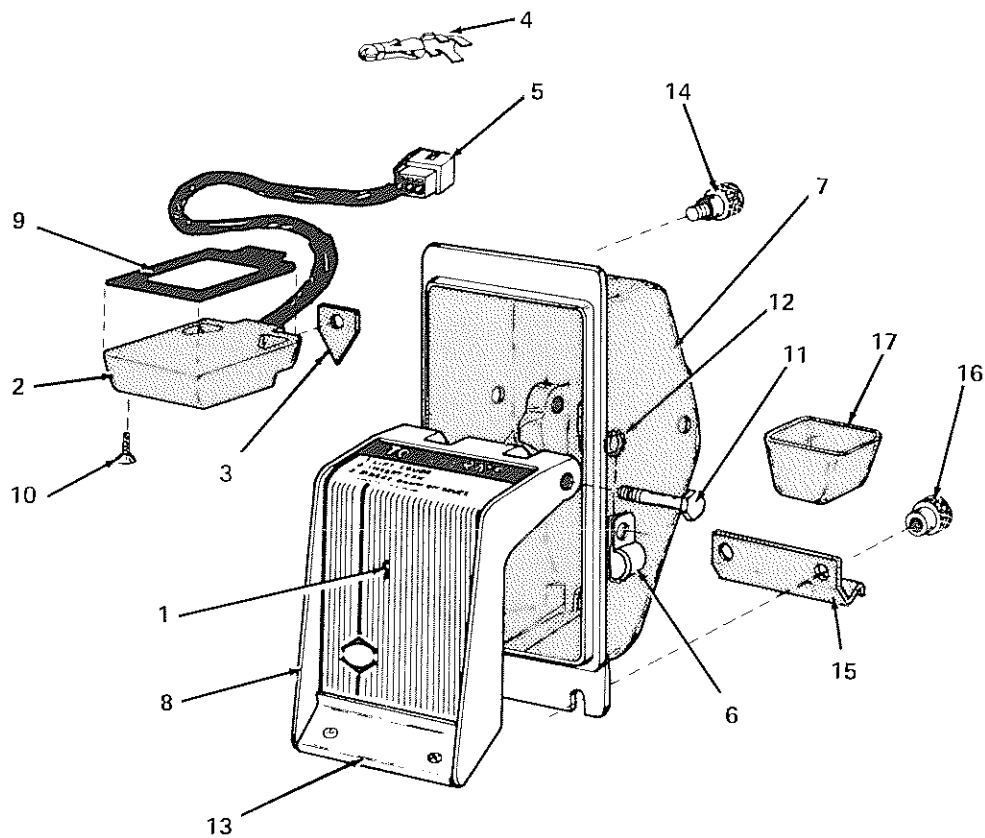
CENTER PANEL ASSEMBLY

GMS**

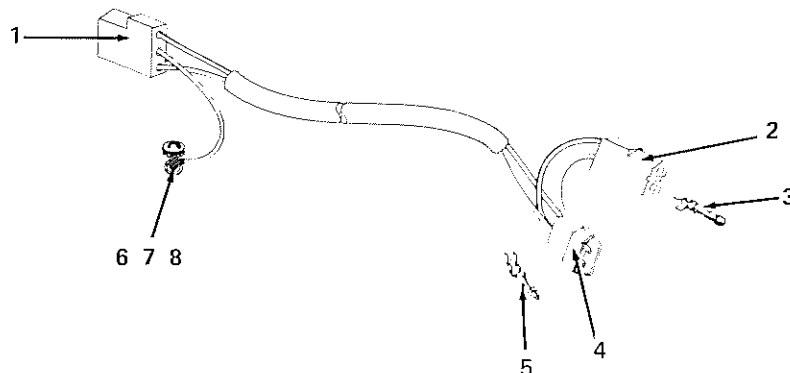
ITEM NO.	PART NO. 246	NO. REQ.	PART NAME AND DESCRIPTION
1	123218-43	1	Center Panel Assembly C.P. (See Note 1)
1	123218-42	1	Center Panel Assembly P.T. (See Note 1)
1	123218-47	1	Center Panel Assembly C.P. (Honeytone — GMS Vendura)
1	123218-46	1	Center Panel Assembly P.T. (Honeytone — GMS Vendura)
1	123218-48	1	Center Panel Assembly P.T. (Rosewood — GMS Rowe)
1	123218-50	1	Center Panel Assembly C.P. (Honey Pecan — GMS Arco)
1	123218-49	1	Center Panel Assembly P.T. (Honey Pecan — GMS Arco)
1	123218-11M	1	Center Panel Assembly C.P. (GMS Beige only)
1	123218-10M	1	Center Panel Assembly P.T. (GMS Beige only)
-	123282	1	Door Panel Woodgrain Assembly C.P. (See Note 1)
-	123282-1	1	Door Panel Woodgrain Assembly P.T. (See Note 1)
-	123282-4	1	Door Panel Woodgrain Assembly C.P. (Honeytone — GMS Vendura)
-	123282-5	1	Door Panel Woodgrain Assembly P.T. (Honeytone — GMS Vendura)
-	123282-8	1	Door Panel Woodgrain Assembly P.T. (Rosewood — GMS Rowe)
-	123282-9	1	Door Panel Woodgrain Assembly C.P. (Honey Pecan — GMS Arco)
-	123282-10	1	Door Panel Woodgrain Assembly P.T. (Honey Pecan — GMS Arco)
-	113711-6	1	Can Puncher Assembly (See Page 25)
-	338981	1	Label - Cleaning - Can Punch
-	338968	1	Label - Can Punch
2	320935	1	Pin
3	320934	1	Door - Coin Return
4	320932	1	Trim - Coin Return
5	339383	1	Trim - Delivery Eyelet
6	365851	1	Trim — Retainer
7	348213	1	Eyelet — Bumper
8	V800791	A/R	Tapping Screw
9	37960	2	Bumper - Crown Box - Pull Tab
10	320943	1	Crown Box - Pull Tab
11	356467-1	1	Trim - Pull Tab
12	37924	1	Bumper - Coin Box
13	V800738	A/R	Tapping Screw
14	V801312	A/R	Tapping Screw

Note: 1. Walnut — GMS Vendura & Shell Oil

**CAN PUNCHER ASSEMBLY
TRADE* & GMS****



**CAN PUNCHER HARNESS ASSEMBLY
TRADE* & GMS****



* Trade, R. Crown, D Pepper, 7-Up, C. Dry, Squirt, Faygo (red), D. Cola, Barqs & Faygo (blue).

** GMS — Beige, Vendura, Arco, Shell Oil & Rowe

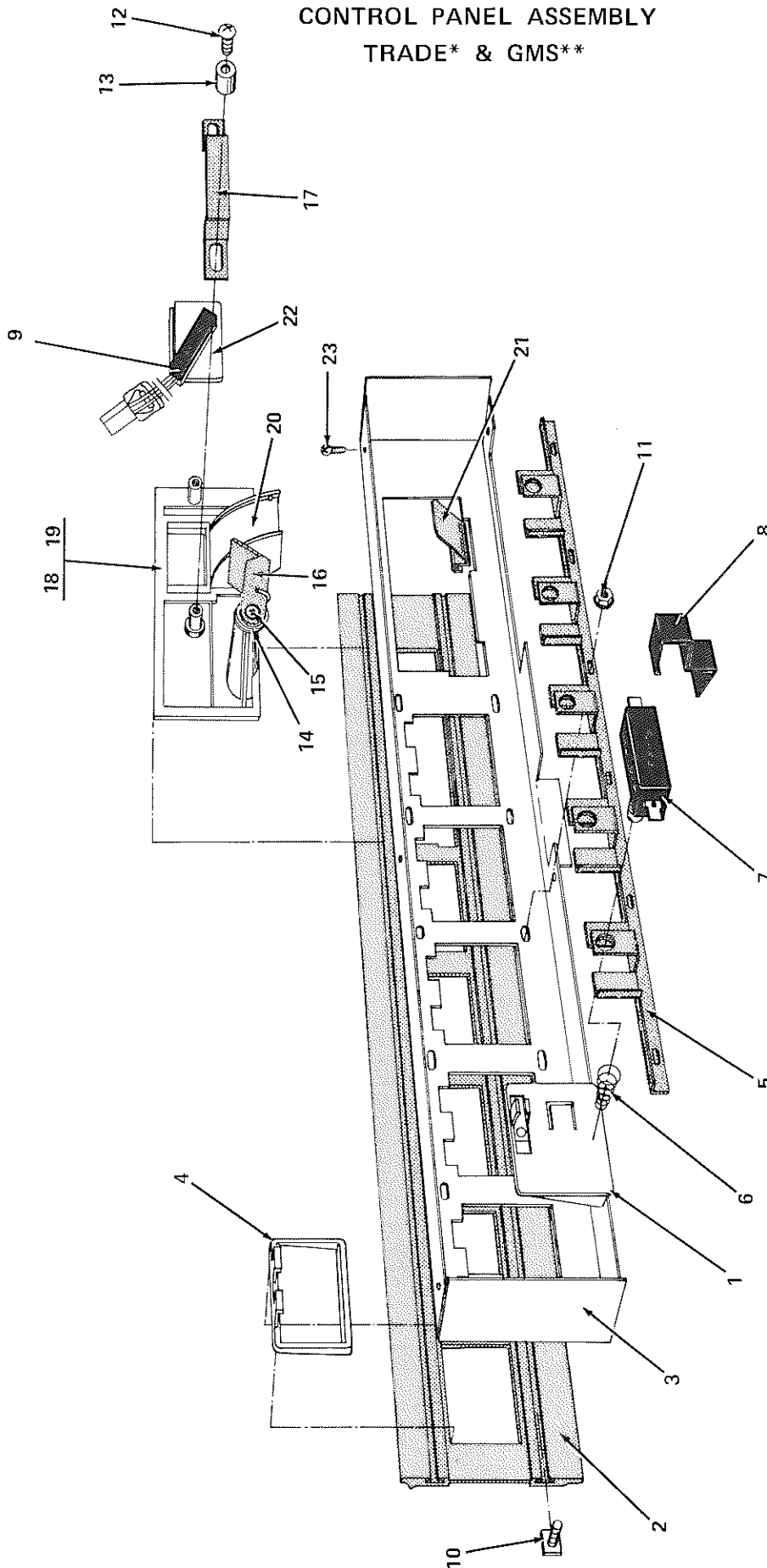
CAN PUNCHER ASSEMBLY
TRADE* & GMS**

ITEM NO.	PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
-	113711-6	1	Can Puncher Assembly
1	340642	1	Label - Can Punch
-	113735-1	1	Punch Heater Assembly
2	343077	1	Holder - Punch
3	343101	1	Punch Blade
4	320196	3	Terminal - Male
5	345733-1	1	Plug - 3 Terminal
6	43177	1	Clamp
7	343081	1	Body - Can Punch
8	343080	1	Lid - Can Punch
9	343110	1	Insulator
10	V800146	4	Machine Screw
11	343214	2	Screw - Hex Head
12	V801044	2	Tooth Lockwasher
13	343076	1	Insert - Handle
14	340562	2	Thumb Screw
15	340669	1	Bracket - Drip Cup
16	340561	2	Thumb Nut
17	340670	1	Drip Cup - Large

CAN PUNCHER HARNESS ASSEMBLY
TRADE* & GMS**

ITEM NO.	PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
-	122623-1	1	Can Puncher Harness Assembly (165)
-	122623-2	1	Can Puncher Harness Assembly (246)
1	345734-1	1	Receptacle - 3 Terminal
2	345008-1	1	Receptacle - 2 Terminal
3	320195	5	Terminal - Female
4	345005-1	1	Plug - 2 Terminal
5	320196	2	Terminal - Male
6	320362	1	Eyelet
7	V800638	1	Tapping Screw
8	V801041	1	Tooth Lockwasher

CONTROL PANEL ASSEMBLY
TRADE* & GMS**



* Trade, R. Crown, D Pepper, 7-Up, C. Dry, Squirt, Faygo (red), D. Cola, Barqs & Faygo (blue).

** GMS — Beige, Vendura, Arco, Shell Oil & Rowe

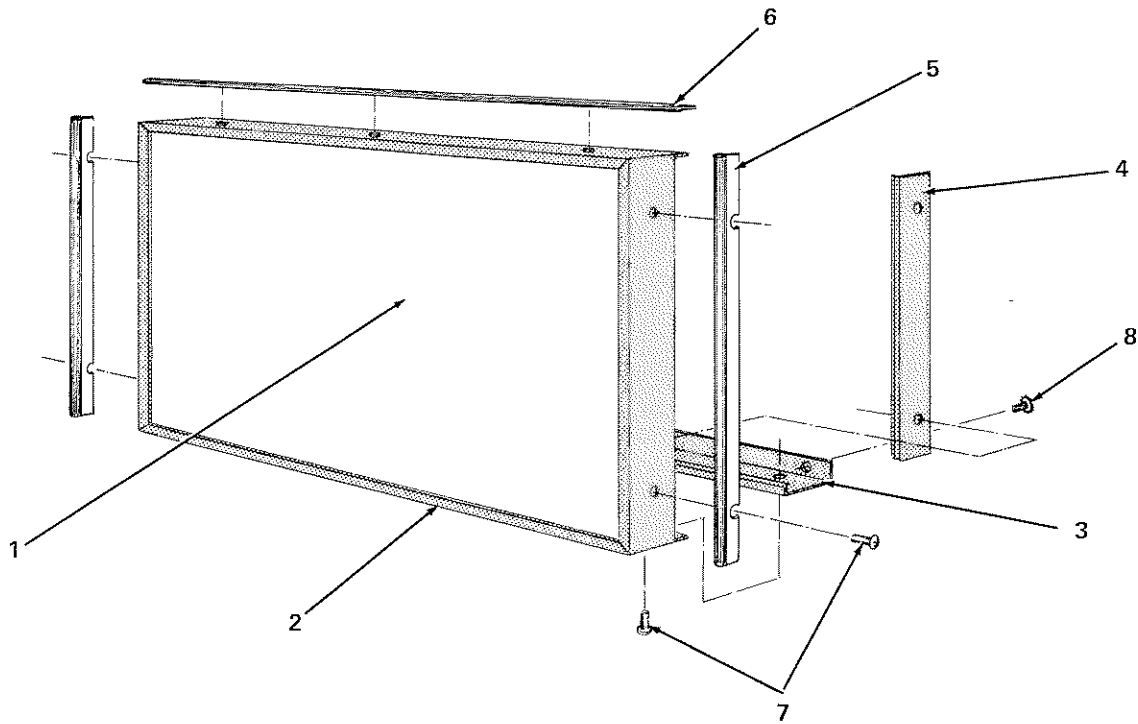
CONTROL PANEL ASSEMBLY

TRADE* & GMS**

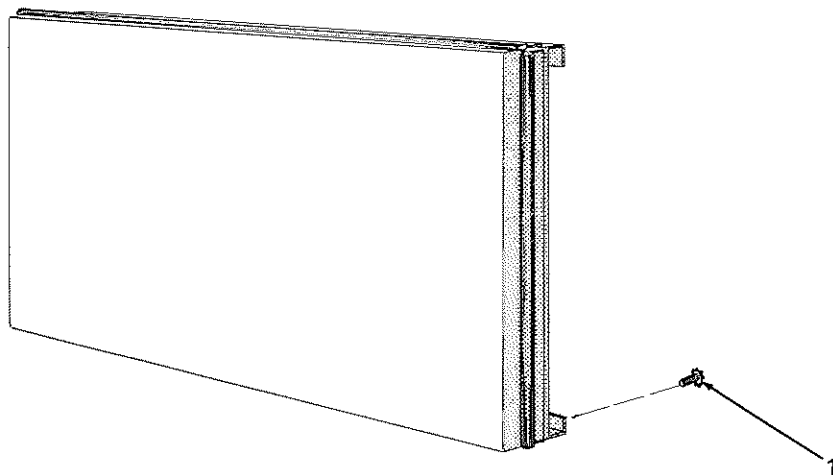
ITEM NO.	PART NO. 165	PART NO. 246	NO. REQ.	PART NAME AND DESCRIPTION
-	123213	123213-4	1	Control Panel Assembly (See Note 1)
-	123213-1	123213-5	1	Control Panel Assembly (Royal Crown)
-	123213-2	123213-6	1	Control Panel Assembly (Dr Pepper)
-	123213-3	123213-7	1	Control Panel Assembly (7-Up)
-	-	123213-4	1	Control Panel Assembly (All GMS)
1	368247	368247	A/R	Button Selection - (Plain)
1	368247-1	368247-1	1	Button Selection - (Royal Crown)
1	368247-2	368247-2	1	Button Selection - (Dr Pepper)
1	368247-3	368247-3	1	Button Selection - (7-Up)
2	368233	368233-1	1	Extrusion - Panel
3	368532	368532-1	1	Control - Panel
4	368235	368235	A/R	Trim - Flavor Window
5	366756	366756-1	1	Bracket - Switch
6	322908	322908	A/R	Spring
7	323007	323007	A/R	Switch
8	360972	360972	A/R	Harness Retainer
9	120216	120216	A/R	Push Button Lamp Assembly
10	V328761-1	V328761-1	A/R	Tee Bolt
11	V800952	V800952	A/R	Hex Nut & Lockwasher
12	V800852	V800852	2	Tapping Screw
13	520431	520431	2	Washer - Cup
14	321720	321720	1	Spring
-	320936	320936	1	Bent Coin Release Bushing
15	42728	42728	1	Screw - Washer Head
16	336575	336575	1	Arm - Bent Coin Release
17	368323	368323	1	Bracket - Clamp
18	110860	110860	1	Coin Slot Assembly
19	336116	336116	1	Casting - Coin Slot
20	333088	333088	1	Cover - Coin Slot
-	-	-	1	Coinage Label (See Page 51)
21	336707	336707	1	Rain Shield
22	336576-16	336576-16	1	Window - Coins
-	336057	336057	1	Handle - Coin Return
23	V801312	V801312	A/R	Tapping Screw
-	-	-	A/R	Flavor Strip (See Page 50)

NOTE: 1. Trade, Can, Dry, Squire, Faygo (red), D. Cola, Barqs & Faygo (blue).

**LIGHTED SIGN ASSEMBLY
TRADE***



**METAL SIGN ASSEMBLY
TRADE***



LIGHTED SIGN ASSEMBLY
TRADE*

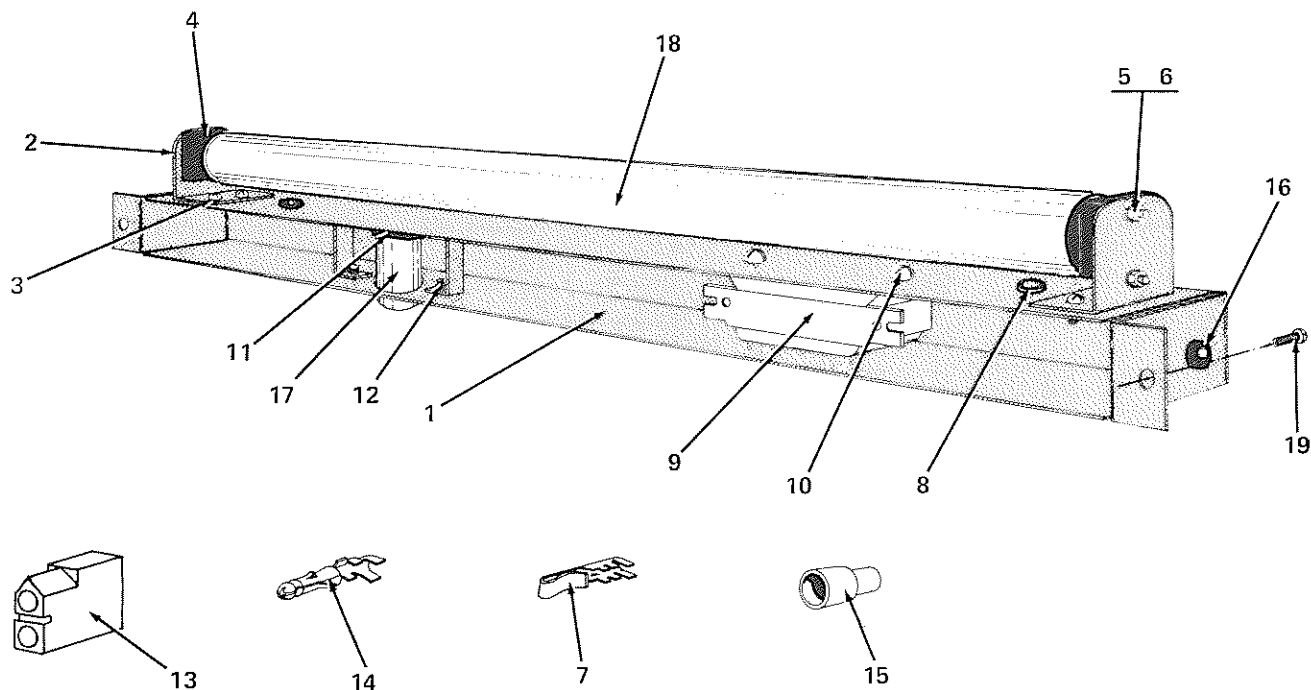
ITEM NO.	PART NO. 165	PART NO. 246	NO. REQ.	PART NAME AND DESCRIPTION
-	123262-22	123262-24	1	Lighted Sign Assembly (Trade)
-	123262-8	123262-10	1	Lighted Sign Assembly (Royal Crown)
-	123262-15	123262-17	1	Lighted Sign Assembly (Dr Pepper)
-	123262-1	123262-3	1	Lighted Sign Assembly (7-Up)
-	123262-29	123262-31	1	Lighted Sign Assembly (Canada Dry)
-	123262-36	123262-38	1	Lighted Sign Assembly (Squirt)
-	123262-43	123262-45	1	Lighted Sign Assembly (Faygo)
-	123262-50	123262-52	1	Lighted Sign Assembly (Double Cola)
-	123262-57	123262-59	1	Lighted Sign Assembly (Barqs)
1	368618-1	368618-3	1	Sign Face (Trade)
1	368565-1	368565-3	1	Sign Face (Royal Crown)
1	368564-1	368564-3	1	Sign Face (Dr Pepper)
1	365583-15	365583-17	1	Sign Face (7-Up)
1	368618-8	368618-10	1	Sign Face (Canada Dry)
1	368618-15	368618-17	1	Sign Face (Squirt)
1	368618-22	368618-24	1	Sign Face (Faygo)
1	368618-29	368618-31	1	Sign Face (Double Cola)
1	368618-36	368618-38	1	Sign Face (Barqs)
2	123315-8	123315-10	1	Sign Frame Weld Assembly
3	368569-6	368569-7	2	Retainer Sign - Top & Bottom
4	368567-2	368567-2	2	Retainer Sign - Side
5	369424-4	369424-6	2	Gasket - Side
6	369425-5	369425-6	1	Gasket - Top
7	V800567	V800567	A/R	Tapping Screw
8	V801312	V801312	A/R	Tapping Screw

METAL SIGN ASSEMBLY
TRADE*

ITEM NO.	PART NO. 165	PART NO. 246	NO. REQ.	PART NAME AND DESCRIPTION
-	123306-8	123306-10	1	Metal Sign Assembly (Trade)
1	V801312	V801312	6	Tapping Screw

LIGHT CHANNEL ASSEMBLY 165

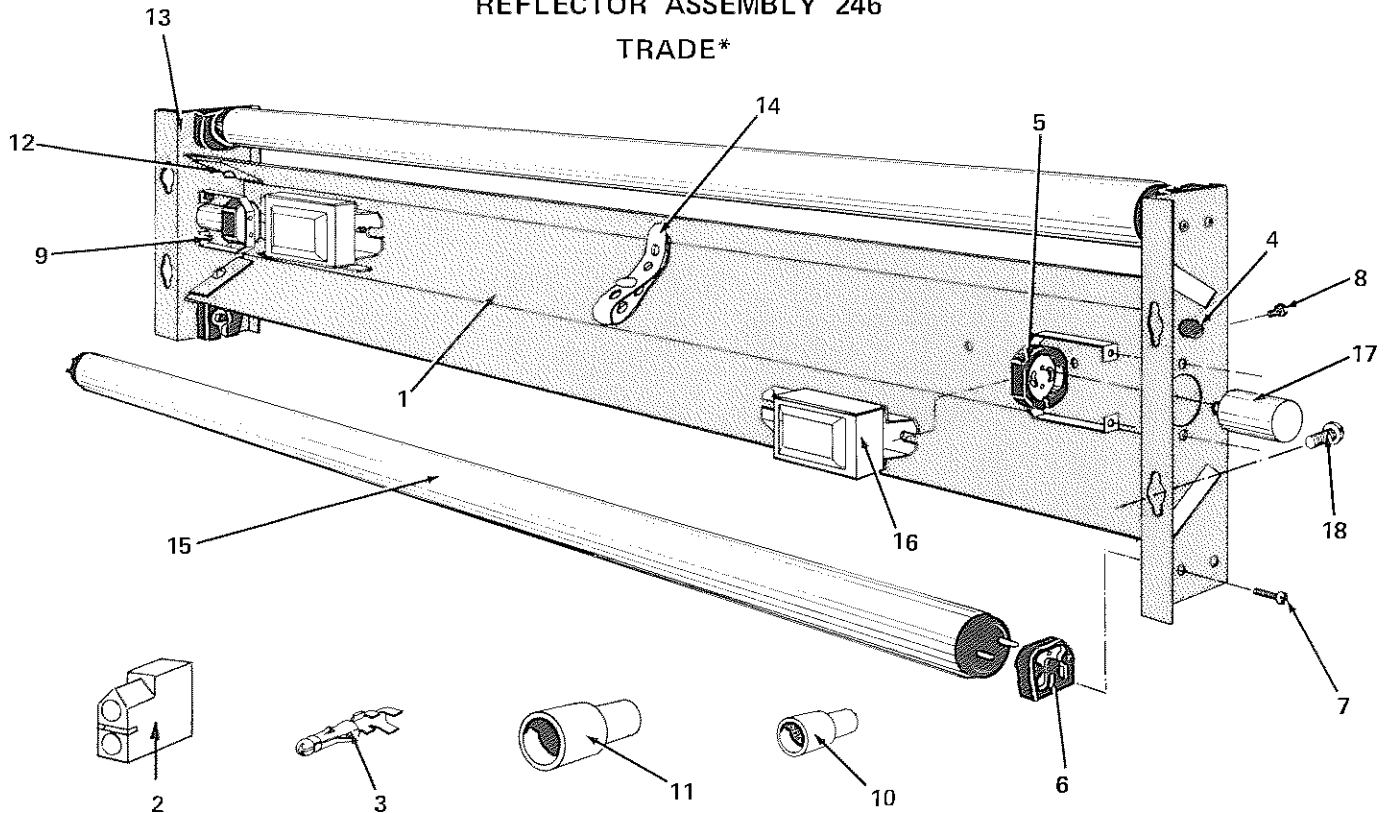
TRADE*



ITEM NO.	PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
-	123471-1	1	Light Channel Assembly (165)
1	368985-1	1	Channel
2	356536	2	Bracket
3	V800495	4	Tapping Screw
4	343301	2	Lampholder
5	V800025	4	Machine Screw
6	V800954	4	Hex Nut & Lockwasher
7	343300	4	Terminal - Lampholder
8	332531-6	2	Snap Bushing
9	321345-2	1	Ballast
10	V800490	2	Tapping Screw
11	327675-2	1	Socket - Starter
12	V800060	2	Machine Screw
13	345005-1	1	Plug - 2 Terminal
14	320196	2	Terminal - Male
15	41707	1	Connector - Closed End
16	327699-2	1	Bushing - Strain Relief
17	321350	1	Starter
18	332974	1	Lamp - Fluorescent
-	324099-2	1	Clamp
-	V800611	1	Tapping Screw
19	V800550	2	Tapping Screw

REFLECTOR ASSEMBLY 246

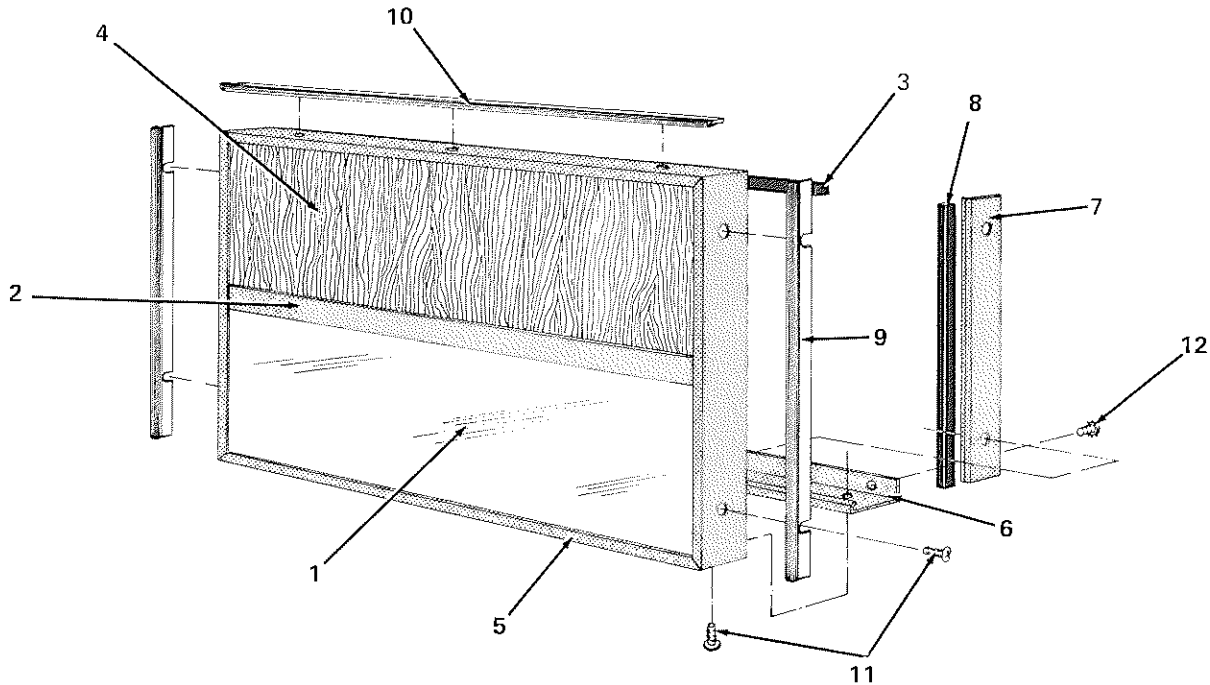
TRADE*



ITEM NO.	PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
-	112930-7	1	Reflector Assembly
1	341330-5	1	Reflector
2	345005-1	1	Plug - 2 Terminal
3	320196	2	Terminal - Male
4	327699-2	1	Bushing - Strain Relief
5	327675-1	2	Socket - Starter
6	342622	4	Lampholder
7	V800024	8	Machine Screw
8	V800490	4	Tapping Screw
9	V800060	4	Machine Screw
10	41707	6	Connector - Closed End
11	43842	2	Connector - Closed End
12	V800496	4	Tapping Screw
13	341331	2	End Bracket - Reflector
14	342621	1	Strap - Adjustable
15	369518	2	Lamp - Fluorescent
16	327146	2	Ballast
17	327143	2	Starter
-	324099-2	1	Clamp
-	V800611	1	Tapping Screw
18	V800550	4	Tapping Screw & Lockwasher

* Trade, R. Crown, D Pepper, 7-Up, C. Dry, Squirt, Faygo (red), D. Cola, Barqs & Faygo (blue).

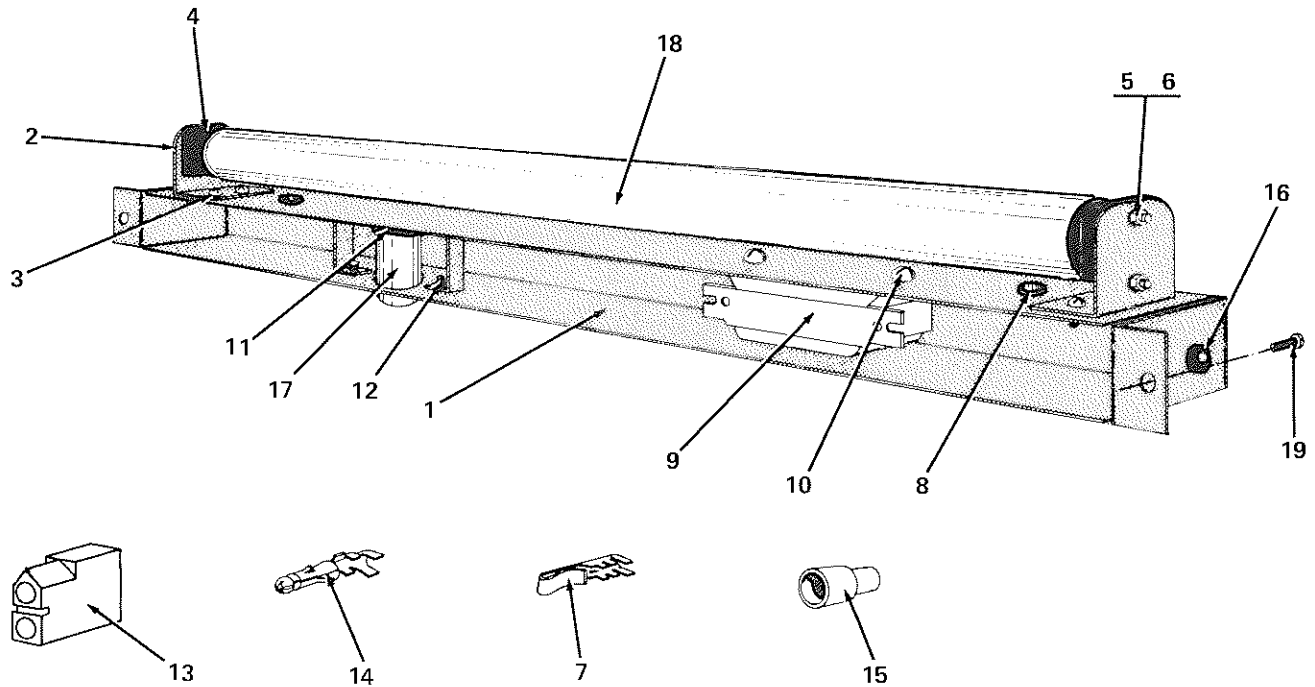
LIGHTED SIGN ASSEMBLY
GMS**



ITEM NO.	PART NO. 246	NO. REQ.	PART NAME AND DESCRIPTION
-	123336	1	Sign Assembly (GMS - Beige)
-	123336-1	1	Sign Assembly (GMS - Walnut - Vendura & Shell Oil)
-	123336-2	1	Sign Assembly (GMS - Honeytone - Vendura)
-	123336-3	1	Sign Assembly (GMS - Rosewood - Rowe)
-	123336-4	1	Sign Assembly (GMS - Walnut - Pepsi Shell Oil)
-	123336-5	1	Sign Assembly (GMS - Walnut - Coke Shell Oil)
-	123336-6	1	Sign Assembly (GMS - Honey Pecan - Arco)
-	123336-7	1	Sign Assembly (GMS - Honey Pecan - Pepsi Arco)
-	123336-8	1	Sign Assembly (GMS - Honey Pecan - Coke Arco)
1	368826	1	Sign Face (GMS Cold Drinks)
1	368826-2	1	Sign Face (Coke)
1	368826-1	1	Sign Face (Pepsi)
2	330310-10	1	Divider - Sign
3	320955-19	2	Gasket
4	368827 M	1	Sign Panel (GMS-Beige Only)
4	123407-1	1	Sign Panel Assembly (GMS - Walnut)
4	123407	1	Sign Panel Assembly (GMS - Honeytone)
4	123407-2	1	Sign Panel Assembly (GMS - Rosewood)
4	123407-3	1	Sign Panel Assembly (GMS - Honey Pecan)
5	123315-10	1	Sign Frame Weld Assembly
6	368569-7	2	Retainer Sign - Top & Bottom
7	368762-2	2	Retainer Sign - Side
8	320955-20	2	Gasket
9	369424-6	2	Gasket - Side
10	369425-6	1	Gasket - Top
11	V801312	12	Tapping Screw
12	V801312	6	Tapping Screw

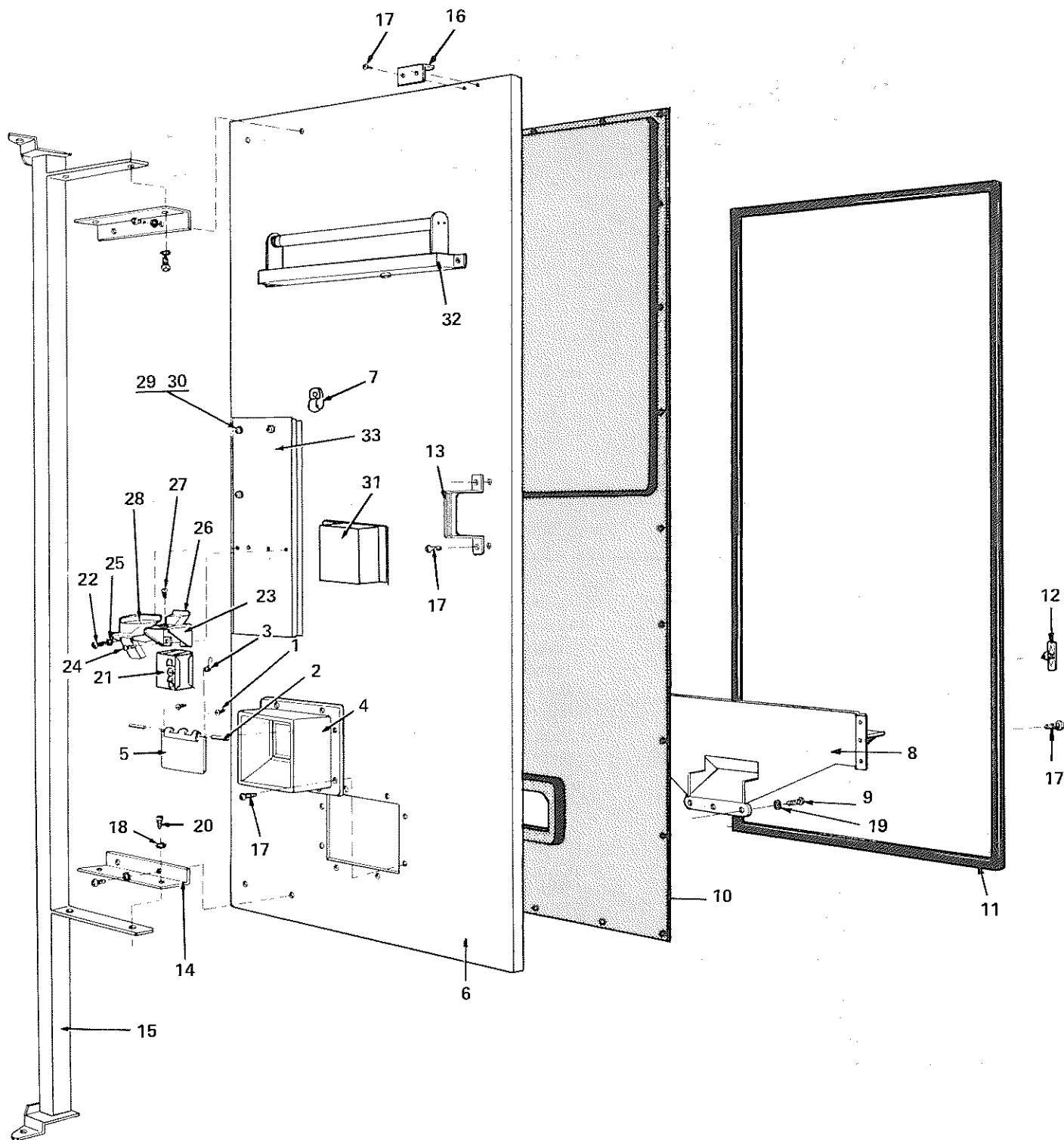
** GMS — Beige, Vendura, Arco, Shell Oil & Rowe

LIGHT CHANNEL ASSEMBLY
GMS**



ITEM NO.	PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
-	123471-1	1	Light Channel Assembly (165)
1	368985-1	1	Channel
2	356536	2	Bracket
3	V800495	4	Tapping Screw
4	343301	2	Lampholder
5	V800025	4	Machine Screw
6	V800954	4	Hex Nut & Lockwasher
7	343300	4	Terminal - Lampholder
8	332531-6	2	Snap Bushing
9	321345-2	1	Ballast
10	V800490	2	Tapping Screw
11	327675-2	1	Socket - Starter
12	V800060	2	Machine Screw
13	345005-1	1	Plug - 2 Terminal
14	320196	2	Terminal - Male
15	41707	1	Connector - Closed End
16	327699-2	1	Bushing - Strain Relief
17	321350	1	Starter
18	332974	1	Lamp - Fluorescent
-	324099-2	1	Clamp
-	V800611	1	Tapping Screw
19	V800550	2	Tapping Screw

INNER DOOR ASSEMBLY TRADE* & GMS**



* Trade, R. Crown, D Pepper, 7-Up, C. Dry, Squirt, Faygo (red), D. Cola, Barqs & Faygo (blue).

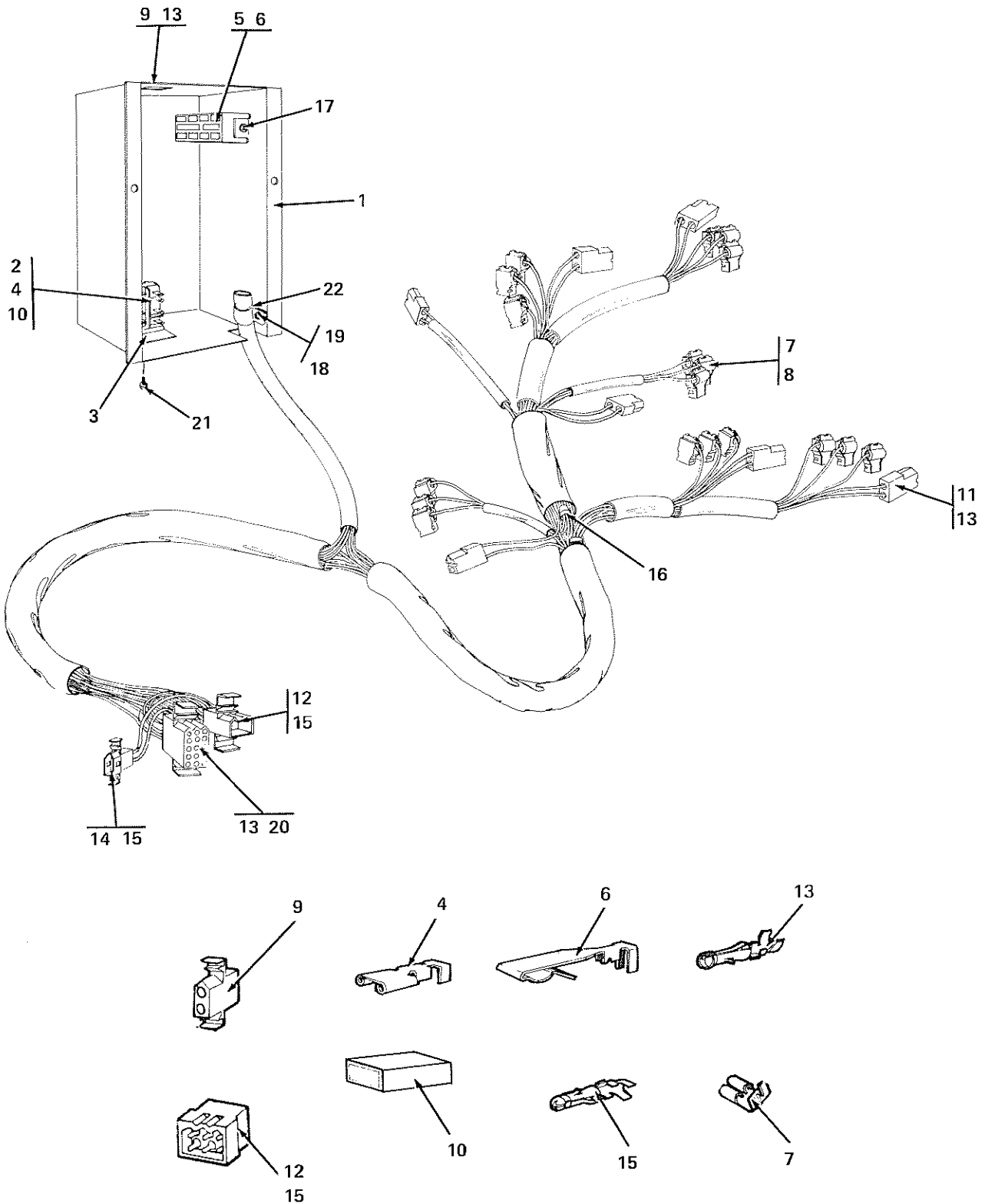
** GMS — Beige, Vendura, Arco, Shell Dil & Rowe

INNER DOOR ASSEMBLY

TRADE* & GMS**

ITEM NO.	PART NO. 165	PART NO. 246	NO. REQ.	PART NAME AND DESCRIPTION
-	122540-1	123156-1	1	Inner Door Assembly
-	122506-1	122506-2	1	Delivery Eyelet Assembly
1	V801222	V801222	2	Tapping Screw
2	46122	46122	2	Pin - Hinge
3	-	3544424	1	Spring - Torsion
4	365824	365824	1	Eyelet - Delivery
5	110984	110984	1	Door Assembly - Delivery
6	122492-2	122492-9	1	Inner Door Weld Assembly
7	41717	41717	A/R	Clamp
8	114875	119019-2	1	Delivery Chute Weld Assembly
9	V800877	V800877	6	Tapping Screw
10	346708-2	353256-2	1	Liner - Door
11	350147-3	350147-9	1	Gasket - Door
12	329409	329409	A/R	Clip
13	366547	366547	1	Handle
14	366545	366545	2	Mounting Angle
15	122491-3	122491-1	1	Inner Door Hinge Weld Assembly
16	367968	367968	1	Strike Plate
17	V800548	V800548	A/R	Tapping Screw
18	321289-2	321289-2	8	Lock Washer
19	31915	31915	3	Washer
20	V801357	V801357	8	Tapping Screw
21	18237	105064	1	Coin Box Weld Assembly
22	V800503	V800503	4	Tapping Screw
23	41635	329182	1	Support Bracket - Coin Box
24	-	V800511	1	Tapping Screw
25	30678	30678	4	Washer
26	41662	41662	1	Chute - Coin Accept
27	V800495	V800495	1	Tapping Screw
28	123173	123173	1	Chute Weld Assembly
29	323005	323005	3	Plastic Grommet
30	V800082	V800082	3	Machine Screw
31	122611	123150	1	Door Harness Assembly (All Trade*) (See Page 37)
31	-	123301	1	Door Harness Assembly (All GMS**) (See Page 39)
32	123471-1	-	1	Light Channel Assembly (165 Trade*) (See Page 30)
32	-	112930-7	1	Reflector Assembly (246 Trade*) (See Page 31)
32	-	123471-1	1	Light Channel Assembly (246 GMS**) (See Page 33)
33	368649	368649	1	Coinage Panel
-	-	343621	1	Spacer

**DOOR HARNESS ASSEMBLY
TRADE***



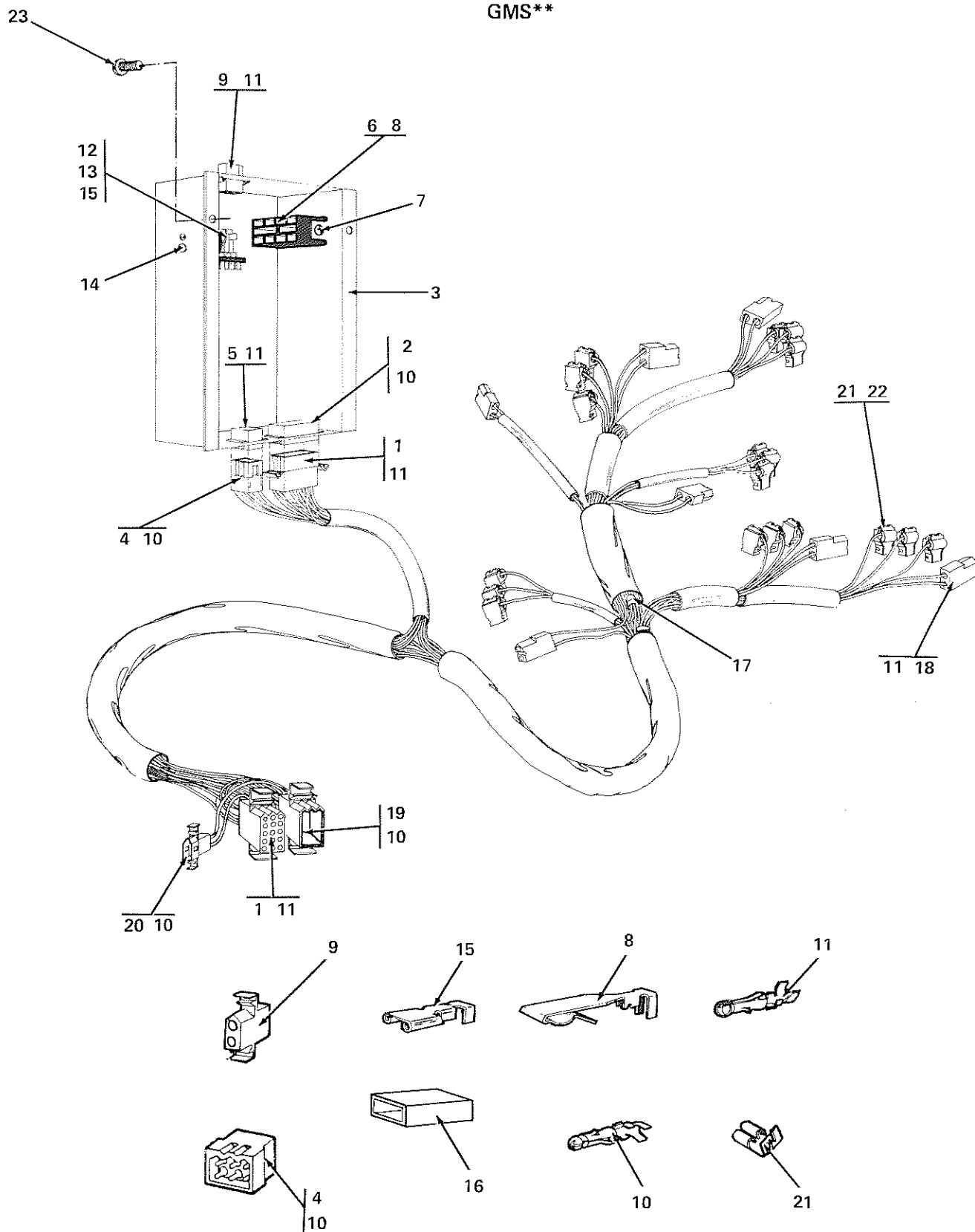
* Trade, R. Crown, D Pepper, 7-Up, C. Dry, Squirt, Faygo (red), D. Cola, Barqs & Faygo (blue).

**DOOR HARNESS ASSEMBLY
TRADE***

ITEM NO.	PART NO.	PART NAME AND DESCRIPTION
-	122611	Door Harness Assembly (165)
-	123150	Door Harness Assembly (246)
1	366753	Control Box
2	342238	Relay
3	344931	Insulation - Relay
4	336138	Terminal
5	327254	Receptacle
6	327060	Terminal
7	44617	Terminal - Female Quick Connect
8	341203	Cover - Flag
9	345008	Receptacle - 2 Terminal
10	489202	Cover - Terminal
11	345008-1	Receptacle - 2 Terminal
12	345737-1	Plug - 6 Terminal
13	320195	Terminal - Female
14	345005-1	Plug - 2 Terminal
15	320196	Terminal - Male
16	43842	Connector - Closed End
17	V800331	Machine Screw - Lockwasher
18	V800083	Machine Screw
19	V800956	Hex Nut & Lockwasher
20	345007	Receptacle - 15 Terminal
21	V800060	Machine Screw (246 only)
22	324099-5	Clamp 7/16" I.D.

DOOR HARNESS ASSEMBLY

GMS**

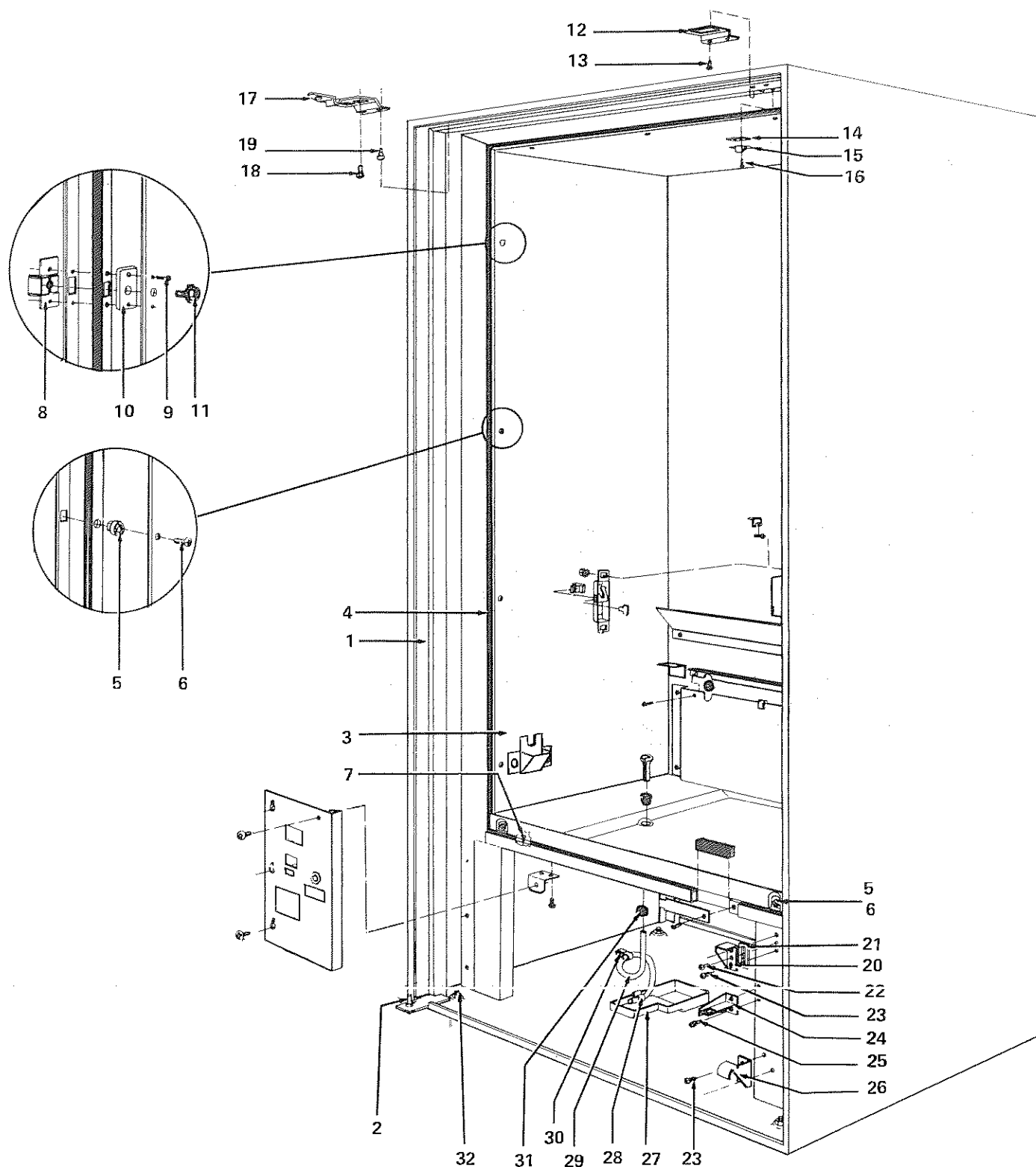


DOOR HARNESS ASSEMBLY

GMS**

ITEM NO.	PART NO.	PART NAME AND DESCRIPTION
-	123301	Door Harness Assembly
-	123169-1	Control Box Assembly
1	345007	Receptacle - 15 Terminal
2	345006-1	Plug - 15 Terminal
3	368321	Box - Control
4	345737-1	Plug - 6 Terminal
5	345738	Receptacle - 6 Terminal
6	327254	Receptacle - 8 Terminal
7	V800331	Machine Screw & Lockwasher
8	327060	Terminal
9	345008	Receptacle - 2 Terminal
10	320196	Terminal - Male
11	320195	Terminal - Female
12	342238	Relay
13	344931	Insulation - Relay
14	V800060	Machine Screw
15	336138	Terminal
16	489202	Cover - Terminal
17	43842	Connector - Closed End
18	345008-1	Receptacle - 15 Terminal
19	345006	Plug - 15 Terminal
20	345005-1	Plug - 2 Terminal
21	44617	Terminal - Female Quick Connect
22	341203	Cover - Flag
23	V801202	Tapping Screw

**CABINET AREA
TRADE* & GMS****



* Trade, R. Crown, D Pepper, 7-Up, C. Dry, Squirt, Faygo (red), D. Cola, Barqs & Faygo (blue).

** GMS — Beige, Vendura, Arco, Shell Oil & Rowe

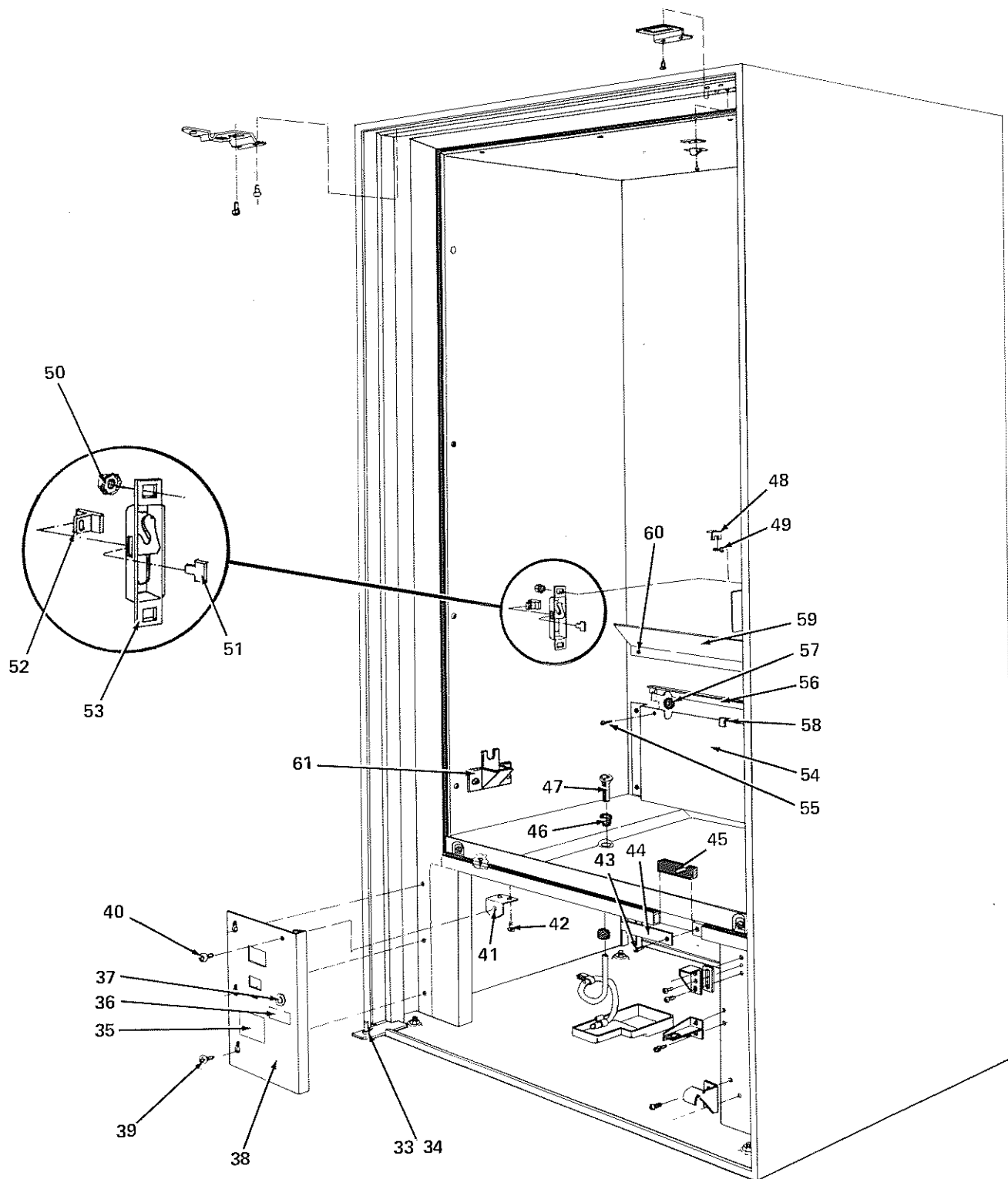
CABINET AREA
TRADE* & GMS**

ITEM NO.	PART NO. 165	PART NO. 246	NO. REQ.	PART NAME AND DESCRIPTION
1	122372-3T	122372-4T	1	Cabinet Weld Assembly (See Note 1)
1	122372-3BW	122372-4BW	1	Cabinet Weld Assembly (Double Cola)
1	122372-3R	122372-4R	1	Cabinet Weld Assembly (Barqs)
1	-	122372-4AR	1	Cabinet Weld Assembly (GMS - Vendura)
1	-	122372-4M	1	Cabinet Weld Assembly (GMS - Beige - Arco)
1	-	122372-4T	1	Cabinet Weld Assembly (GMS - Shell Oil)
2	365008-1	365008-1	1	Hinge Pin
3	122398-6	122398-7	1	Liner Weld Assembly
4	368095-3	368095-4	1	Gasket - Cabinet Liner
5	320975	320975	A/R	Nut - Snap In
6	V800876	V800876	A/R	Tapping Screw
7	V800545	V800545	2	Tapping Screw
8	332497	332497	2	Nut Retainer
9	V800514	V800514	4	Tapping Screw
10	369413	369413	2	Spacer
11	322829	322829	2	Hex Head Screw & Lockwasher
12	368021	368021	1	Cabinet Latch
13	V800721	V800721	2	Tapping Screw
14	368781	368781	1	Spacer
15	367967	367967	1	Spring Latch
16	V801202	V801202	2	Screw
17	365644CH	365644CH	1	Upper Hinge
18	321339	321339	2	Screw
19	342624	342624	1	Self Drill Screw
20	341865	341865	1	Door Support
21	368766	368766	2	Spacer
22	V801342	V801342	2	Self Drill Screw
23	V801343	V801343	4	Tapping Screw
24	368027	368027	1	Latch Bracket - Cabinet
25	V800876	V800876	2	Tapping Screw
26	368659	368659	1	Door Lift
27	339840	339840	1	Condensate Pan
28	321304	321304	1	Clip
29	340061	340061	1	Tubing - Drain
30	46212	46212	1	Clip - Tinnerman
31	38132	38132	1	Grommet - Drain Tube
32	324386	324386	4	Leveling Screw

Note: 1. Trade, Royal Crown, Dr Pepper, 7-Up, Canada Dry, Squirt, Faygo

CABINET AREA (CONTINUED)

TRADE* & GMS**



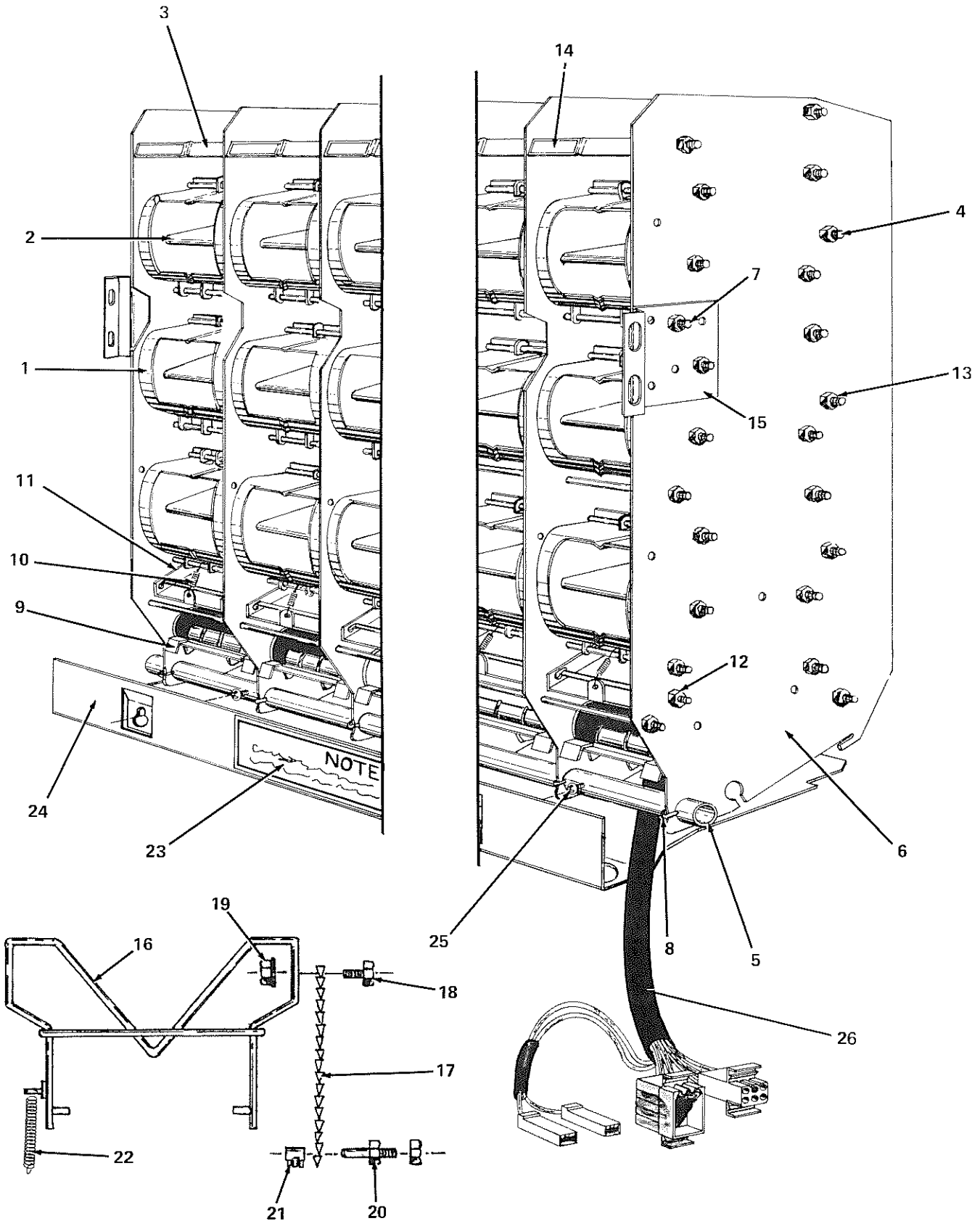
* Trade, R. Crown, D Pepper, 7-Up, C. Dry, Squirt, Faygo (red), D. Cola, Barqs & Faygo (blue).

** GMS — Beige, Vendura, Arco, Shell Oil & Rowe

CABINET AREA (CONTINUED)
TRADE* & GMS**

ITEM NO.	PART NO. 165	PART NO. 246	NO. REQ.	PART NAME AND DESCRIPTION
33	365822	368822	1	Spacer
34	365822-1	365822-1	1	Spacer
-	122713-3	122713-7	1	Air Baffle Assembly
35	359929	359929	1	Decal - Receptacle Box
36	366782	366782	1	Decal - Circuit Breaker
37	350823	350823	1	Circuit Breaker
38	368267-2	368267-3	1	Baffle
39	V800789	V800789	3	Tapping Screw
40	V800819	V800819	1	Tapping Screw
41	344680	344680	1	Bracket
42	V800498	V800498	2	Tapping Screw
43	V800616	V800616	1	Tapping Screw
44	366092	366092	1	Closure Cap
45	368441	368441	1	Gasket
46	333986	333986	1	Grommet
47	333985	333985	1	Drain Tube
48	365567	365567	2	Spacer
48	365567-1	365567-1	2	Spacer
49	V801314	V801314	2	Carriage Bolt
50	V800959	V800959	2	Hex Nut & Lockwasher
51	366540	366540	1	Retainer
52	368353	368353	1	Strike
53	122751	122751	1	Door Latch Weld Assembly
54	351325	356625-1	1	Plenum
55	V800552	V800552	6	Tapping Screw
56	351327	351327	1	Cover Plate
57	43410	43410	1	Rubber Grommet
58	914161	914161	A/R	Clip - Thermostat Air Coil
59	348686	352992	1	Deflector - Liner (Top)
-	349324	349324	2	Deflector - Liner (Sides)
60	V800533	V800533	2	Tapping Screw
61	356671	356671	2	Stack Support Bracket

STACK ASSEMBLY TRADE* & GMS**



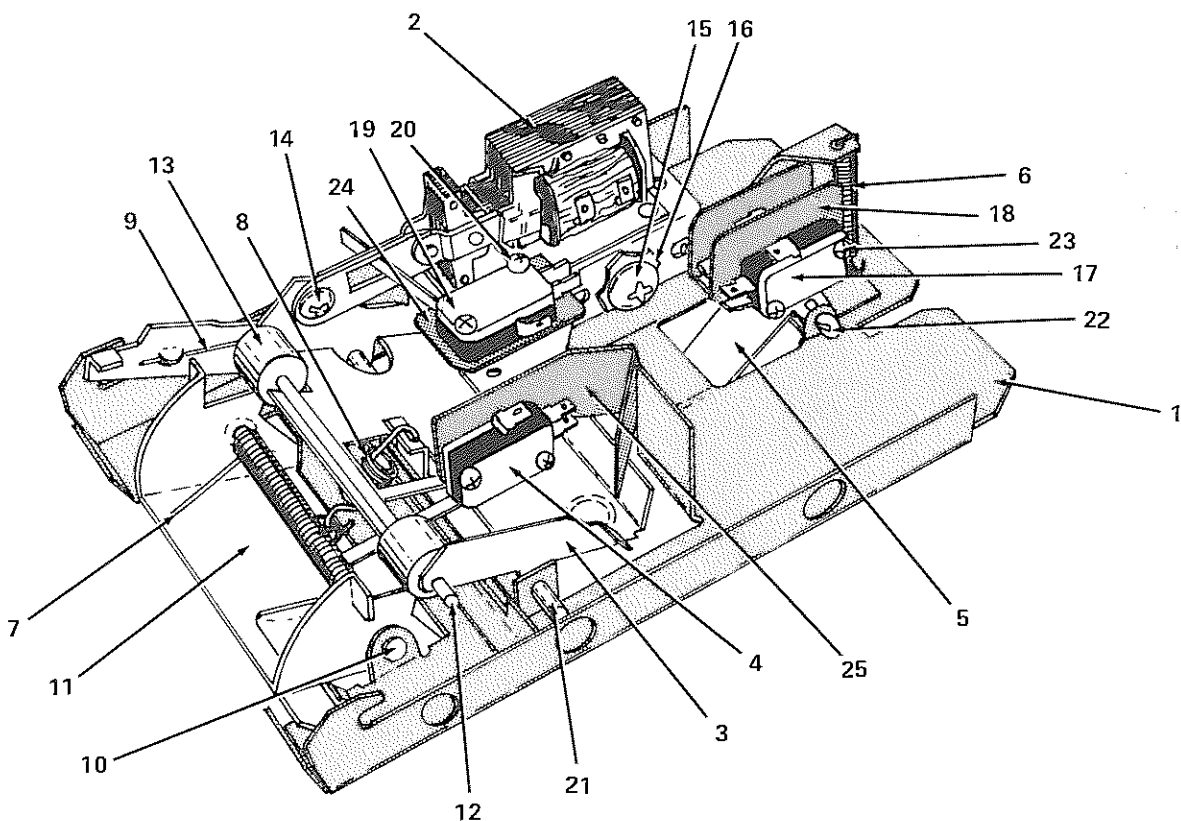
* Trade, R. Crown, D Pepper, 7-Up, C. Dry, Squirt, Faygo (red), D. Cola, Barqs & Faygo (blue).

** GMS — Beige, Vendura, Arco, Shell Oil & Rowe

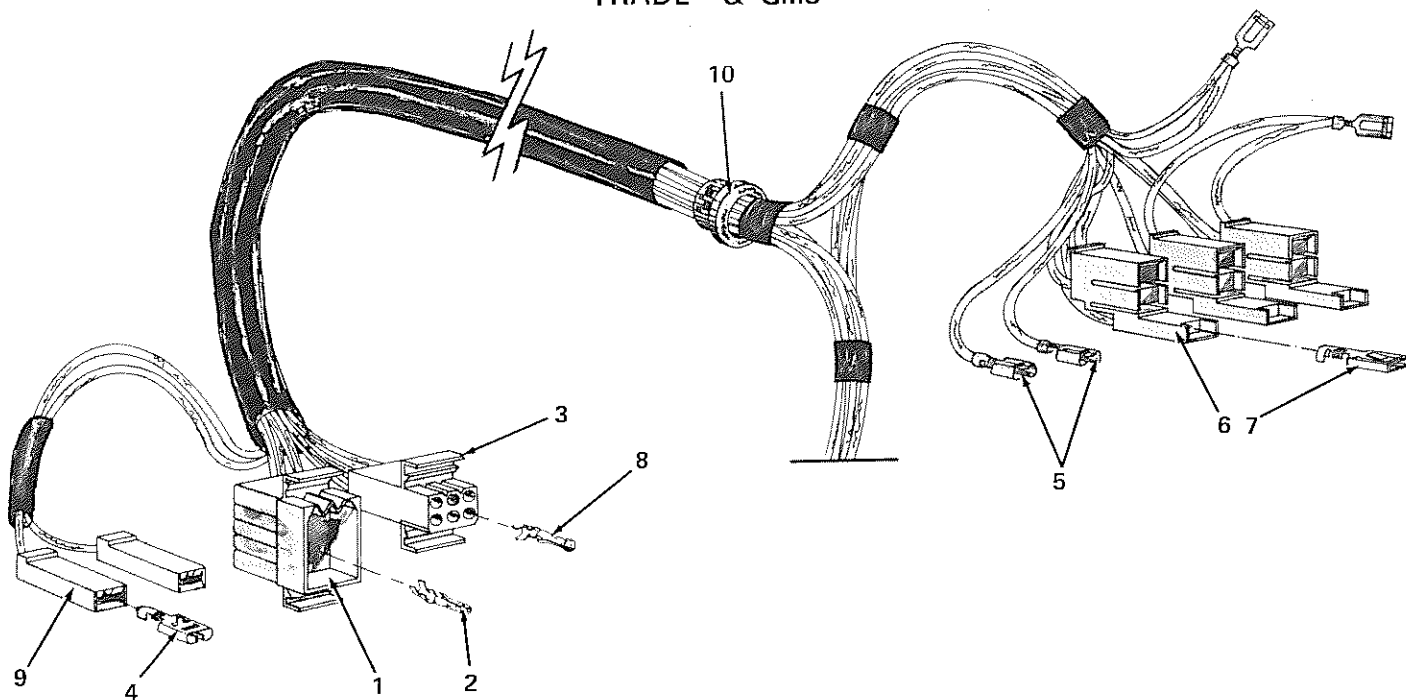
STACK ASSEMBLY
TRADE* & GMS**

ITEM NO.	PART NO. 165	PART NO. 246	NO. REQ.	PART NAME AND DESCRIPTION
-	117184-2	116952-1	1	Stack Assembly
1	346560	346560	A/R	Can Track
2	346561	346561	A/R	Can Track - Bottom
3	346562	346562	A/R	Can Track - Top
4	346564-3	346564-2	A/R	Rod - Tie
5	346576	346576-3	1	Bar Support
6	114864	114864-1	A/R	Stack Divider Assembly
7	346564	-	2	Rod - Tie
8	346741	346741	A/R	Pin Cotter
9	116946	116946	A/R	Vend Mechanism Assembly (See Page 47)
-	122634	123152	1	Harness - Vend Mechanism
-	324099-4	324099-4	A/R	Clamp
-	V800498	V800498	A/R	Tapping Screw
10	336836	336836	A/R	Spring
11	346565	346565	A/R	Hold Down Gate
12	44657	44657	A/R	Nut
13	V800952	V800952	A/R	Hex Nut & Lockwasher
-	324099-6	324099-6	2	Clamp
-	V800083	V800083	2	Machine Screw
-	V800956	V800956	2	Hex Nut & Lockwasher
14	337864-1	337864-1	1	Decal (Selection Button No. 1)
14	337862	337862	1	Decal (Selection Button No. 2)
14	337864-2	337864-2	1	Decal (Selection Button No. 3)
14	337864-3	337864-3	1	Decal (Selection Button No. 4)
14	337864	337864	1	Decal (Selection Button No. 5)
14	-	337864-4	1	Decal (Selection Button No. 6)
15	369148	369148-1	2	Bracket - Stack
16	118096	118096	1	Loading Rack Weld Assembly
17	357071	357071	2	Chain
18	V800084	V800084	2	Machine Screw
19	V800957	V800957	4	Hex Nut & Lockwasher
20	357609	357609	2	Stud
21	346822	346822	A/R	Compression Clip
22	357072	357072	1	Spring - Extension
23	353468	353468	1	Label - Warning
24	347855	347855-2	1	Cover - Stack
25	V800764	V800764	2	Tapping Screw
26	122634	123152	1	Harness-Vend Mechanism (See Page 47)

VEND MECHANISM ASSEMBLY TRADE* & GMS**



VEND MECHANISM HARNESS ASSEMBLY TRADE* & GMS**



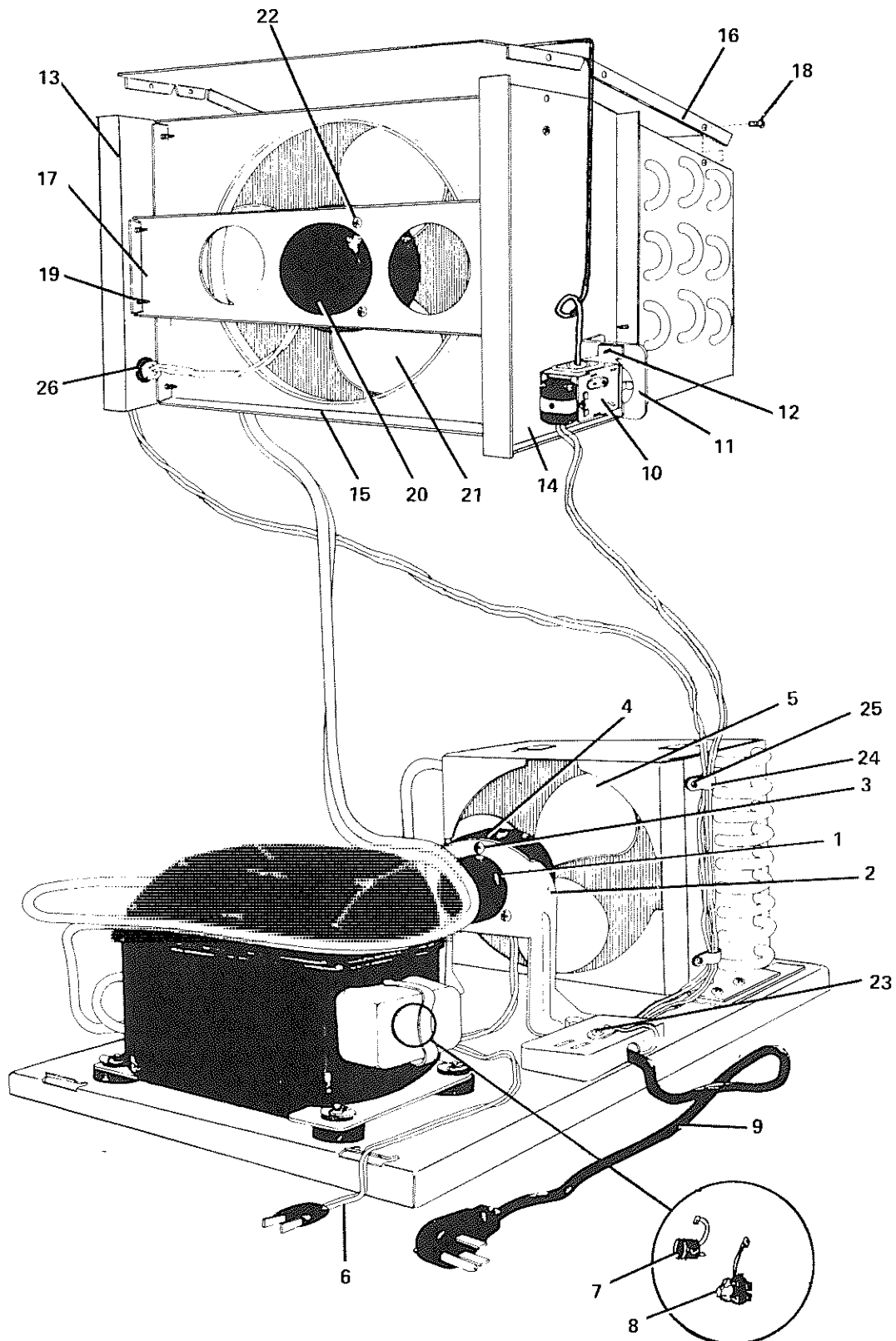
**VEND MECHANISM ASSEMBLY
TRADE* & GMS****

ITEM NO.	PART NO.	NO. REQ.	PART NAME AND DESCRIPTION
-	116946	A/R	Vend Mechanism Assembly
1	114973-1	1	Frame Rivet Assembly
2	346545	1	Solenoid - Vend
3	114958	1	Rocker Assembly
4	353167	1	Drop - Out Switch
5	346780	1	Lever
6	337392	1	Spring - Extension
-	346557	1	Compression - Clip
-	346822	2	Compression - Clip
7	346745	1	Spring - Torsion
8	346748	1	Spring - Extension
9	346746	1	Spring - Torsion
10	346550-1	1	Pin - Roller (Gate)
11	116955	1	Vend Gate Weld Assembly
12	346750-1	1	Pin Roller (Rocker)
13	353701	2	Roller - Gate
14	V801213	1	Machine Screw
15	V800234	1	Machine Screw
16	321289-2	1	Lock Washer
17	D10-8085	2	Switch
-	V800954	2	Hex Nut & Lockwasher
18	346774	2	Insulator
19	350160	1	Switch
20	V800745	4	Tapping Screw
21	356669	1	Pin - Rocker
22	346741	1	Pin - Cotter
23	V800032	2	Machine Screw
-	V801051	1	Tooth Lockwasher
24	370748	1	Insulation
25	358449	1	Insulation

**VEND MECHANISM HARNESS ASSEMBLY
TRADE* & GMS****

ITEM NO.	PART NO.	NO. REQ. 165	NO. REQ. 246	PART NAME AND DESCRIPTION
-	122634	1	-	Harness Vend Mechanism (165)
-	123152	-	1	Harness Vend Mechanism (246)
1	345006-1	1	1	Plug - 15 Terminal
2	320196	12	13	Terminal - Male
3	345738	1	1	Receptacle - 6 Terminal
4	321093	2	2	Terminal - Female
5	336138-1	20	24	Terminal
6	360805	40	48	Terminal
7	360806	15	18	Cover - Terminal (Triple)
8	320195	5	6	Terminal - Female
9	321096	2	2	Cover - Terminal - Female
10	359801-1	4	5	Snap Bushing - Split

REFRIGERATION ASSEMBLY TRADE* & GMS**



* Trade, R. Crown, D Pepper, 7-Up, C. Dry, Squirt, Faygo (red), D. Cola, Barqs & Faygo (blue).

** GMS — Beige, Vendura, Arco, Shell Oil & Rowe

REFRIGERATION ASSEMBLY
TRADE* & GMS**

ITEM NO.	V-45 PART NO. 165	V-25 PART NO. 246	NO. REQ.	PART NAME AND DESCRIPTION
-	124270-1	124270	1	Refrigeration Unit Assembly
-	114001	113992	1	Refrigeration
-	336640	336640	2	Retaining Clip
1	113952-1	113952-1	1	Fan Motor Assembly
-	V42323	V42323	1	Speed Nut - Fan Blade
2	44191	44191	1	Bracket - Motor
3	V800371	V800371	3	Machine Screw & Lockwasher
4	42321-7	42321-7	1	Motor - Fan
5	42329	42329	1	Blade - Fan
6	344105	344105	1	Compressor Cord
7	45052-12	45052-8	1	Protector - Overload
8	333894-6	333894-8	1	Relay - Starting
9	363670-1	363670-1	1	Service Cord - Harness
10	368794	368794	1	Temperature Control
11	42127	42127	1	Bracket - Control
12	V800395	V800395	2	Machine Screw & Lockwasher
13	359175	359175	1	Extension - Evaporator Right
14	359174	359174	1	Extension - Evaporator Left
15	320236	320236	1	Orifice - Evaporator Fan
16	321716	321716	1	Extension - Evaporator Top
17	320266	320266	1	Bracket - Evaporator Motor
18	V800533	V800533	14	Tapping Screw
19	V800503	V800503	4	Tapping Screw
20	42321-12	42321-12	1	Motor - Fan
21	44190	44190	1	Blade - Fan
22	V800371	V800371	3	Machine Screw & Lockwasher
23	V800512	V800512	1	Tapping Screw
24	324099-6	32099-6	1	Clamp
25	V800539	V800539	3	Tapping Screw
26	332531-7	332531-7	1	Snap Bushing
-	42323	42323	1	Speed Nut - Fan Blade
-	44096	44096	1	Bolt - Carriage
-	V800885	V800885	1	Nut
-	V800897	V800897	1	Nut
-	43389	43389	1	Spacer
-	338377-1	338377-1	1	Grommet Service Cord



FLAVOR STRIPS
TRADE* & GMS**

368528	Cherry	368528-47	Patio Root Beer	368528-94	Howdy Orange Soda
368528-1	Ginger Ale	368528-48	Patio Orange	368528-95	Howdy Root Beer
368528-2	Grape	368528-49	Patio Strawberry	368528-96	Howdy Imitation Grape Soda
368528-3	Lemon-Lime	368528-50	Patio Ginger Ale	368528-97	Howdy Cola
368528-4	Orange	368528-51	Mountain Dew	368528-98	Yoo Hoo Chocolate
368528-5	Strawberry	368528-52	Coca-Cola	368528-99	Kickapoo Joy Juice
368528-6	Root Beer	368528-53	Teem	368528-100	Quench
368528-7	Cola	368528-54	Sprite	368528-101	Vernors
368528-8	Squirt	368528-55	Like	368528-102	Suncrest Orange
368528-9	Dr Pepper	368528-56	Tab	368528-103	Suncrest Grape
368528-10	Diet Dr Pepper	368528-57	Fresca	368528-104	Suncrest Strawberry
368528-11	Dr Pepper King Size	368528-58	Simba	368528-105	White Rock Ginger Ale
368528-12	Like	368528-59	Hires Root Beer	368528-106	White Rock Grape
368528-13	Seven-Up	368528-60	Sundrop	368528-107	White Rock Orange
368528-14	Diet Seven-Up	368528-61	Orange Crush	368528-108	White Rock Black Cherry
368528-15	Royal Crown Cola	368528-62	Grape Crush	368528-109	White Rock Cream Soda
368528-16	Nehi Orange	368528-63	Root Beer Crush	368528-110	White Rock Lemon
368528-17	Nehi Root Beer	368528-64	Strawberry Crush	368528-111	White Rock Cola
368528-18	Nehi Strawberry	368528-65	Grapefruit Crush	368528-112	White Rock Sparkling Water
368528-19	Nehi Grape	368528-66	Cherry Crush	368528-113	Black Cherry
368528-20	Upper 10	368528-67	Nehi Black Cherry	368528-114	Cream Soda
368528-21	Diet-Rite Cola	368528-68	Nehi Lemonade	368528-115	Lemon
368528-22	Barqs	368528-69	Diet Rite Ginger Ale	368528-116	Lime
368528-23	Double Cola	368528-70	Diet Rite Orange	368528-117	Chocolate
368528-24	Can. Dry Ginger Ale	368528-71	Diet Rite Root Beer	368528-118	Cherry Cola
368528-25	Can. Dry Concord Grape Soda	368528-72	Diet Rite Grape	368528-119	Dr Wells
368528-26	Can. Dry Sunripe Orange Soda	368528-73	Diet Rite Upper 10	368528-120	Click Root Beer
368528-27	Can. Dry Root Beer	368528-74	Nesbitt Orange	368528-121	Briardale Cola
368528-28	Can. Dry Strawberry	368528-75	Grapette	368528-122	Gatorade Cola
368528-29	Can. Dry Lemon-Lime	368528-76	Bubble Up	368528-123	Gatorade Citrus
368528-30	Can. Dry Vanilla Cream Soda	368528-77	Dad's Root Beer	368528-124	Viva
368528-31	Can. Dry Wink	368528-78	Frostie Root Beer	368528-125	Can. Dry Rooti Root Beer
368528-32	Can. Dry Jamaica Cola	368528-79	Mason's Root Beer	368528-126	Can. Dry Cactus Cooler
368528-33	Can. Dry Tahitian Treat	368528-80	Nesbitts Grape	368528-127	Can. Dry Hi Spot
368528-34	Can. Dry Diet Wink	368528-81	Nesbitts Strawberry	368528-128	Can. Dry Fruit Punch
368528-35	Can. Dry Sport Cola	368528-82	Nesbitts Root Beer	368528-129	Can. Dry Wild Cherry Soda
368528-36	Faygo Draft Root Beer	368528-83	Sparkling Water	368528-130	Can. Dry Calif. Strawberry Soda
368528-37	Faygo Strawberry Red Pop	368528-84	White Light-ning	368528-131	Can. Dry Purple Passion
368528-38	Faygo Orange	368528-85	Pommac	368528-132	Can. Dry Club Soda
368528-39	Faygo Very Cherry Cola	368528-86	Kick	368528-133	Can. Dry Low Cal. Lemon
368528-40	Faygo Grape	368528-87	Lift	368528-134	Can. Dry Low Cal. Orange
368528-41	Faygo Rock & Rye	368528-88	Nu-Grape	368528-135	Can. Dry Low Cal. Pink Pineapple
368528-42	Faygo Fruit Punch	368528-89	Tru-Ade Grape	368528-136	Can. Dry Low Cal. Ginger Ale
368528-43	Faygo Cola	368528-90	Tru-Ade Orange	368528-137	Can. Dry Low Cal. Cola
368528-44	Pepsi	368528-91	Bireley's Grape	368528-138	Can. Dry Low Cal. Root Beer
368528-45	Diet Pepsi	368528-92	Bireley's Orange	368528-139	Can. Dry Low Cal. Jamaica Cola
368528-46	Patio Grape	368528-93	Bireley's Root Beer	368528-140	Can. Dry Low Cal. Sunripe Orange

"Coca-Cola" and "Coke" are registered trademarks which identify the same product of The Coca-Cola Company.

"Sprite," "TAB," "Fanta" and "Fresca" are also registered trademarks of The Coca-Cola Company.

"Pepsi-Cola" and "Pepsi" are registered trademarks of PepsiCo, Inc.

* Trade, R. Crown, D Pepper, 7-Up, C. Dry, Squirt, Faygo (red), D. Cola, Barqs & Faygo (blue).

** GMS — Beige, Vendura, Arco, Shell Oil & Rowe

COINAGE LABELS

TRADE* & GMS**

336749-3	10¢ Deposit dime or 2 nickels
336749-4	10¢ Deposit dime only
336749-8	10¢ Deposit 2 nickels, dime or quarter
336749-11	15¢ Deposit dime and nickel, 3 nickels, 2 dimes or quarter
336749-13	15¢ Deposit nickel, then dime
336749-16	20¢ Deposit 2 dimes, dime and 2 nickels, 4 nickels or quarter
336749-20	25¢ Deposit quarter, dimes or nickels
336749-22	30¢ Deposit nickels, dimes or quarters receive change below
336749-23	35¢ Deposit nickels, dimes or quarters receive change below
336749-24	40¢ Deposit nickels, dimes or quarters receive change below
336749-25	45¢ Deposit nickels, dimes or quarters receive change below
336749-26	50¢ Deposit nickels, dimes or quarters receive change below

OPTIONAL KITS

TRADE* & GMS**

123874	Three Point Latch Kit
123906	Chrome Moly Bezel Kit
123332	Inner Door Latch Kit
123334	Inner Door Latch Kit
123861	Anti Theft Kit (Eyelet Opening)
51191	Leg Kit
51186	Caster Swivel Kit
53546	Caster Kit (Side, Beake)
335699-2	Roller Kit — LH/RH
50823	Counter Kit
50762	Coin Box Lock Kit
53950	Can Puncher Cover Kit

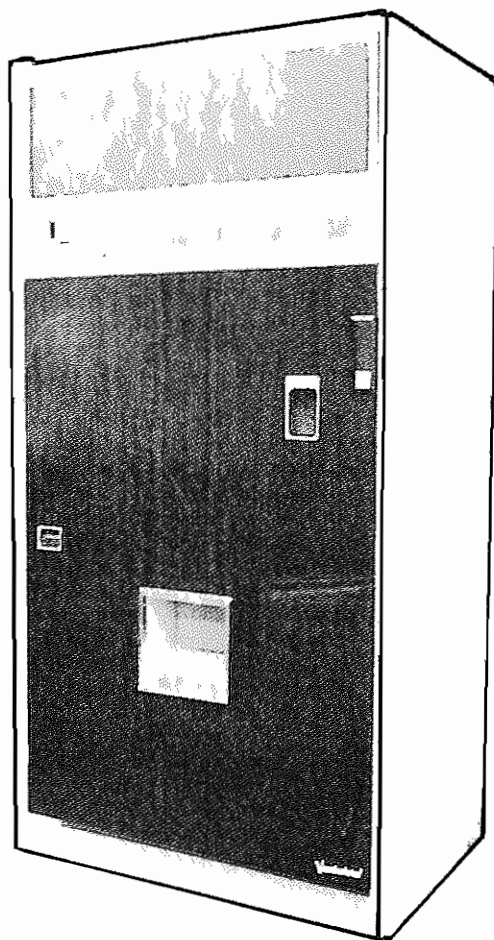
* Trade, R. Crown, D Pepper, 7-Up, C. Dry, Squirt, Faygo (red), D. Cola, Barqs & Faygo (blue).

** GMS — Beige, Vendura, Arco, Shell Oil & Rowe

NOTES

TRADE
&
G.M.S.

Vendorlator[®]



SERVICE MANUAL
for the
SERPENTINE CAN VENDER

VF165D VF246C

LITERATURE PART NUMBER 370642

"Vendorlator" is a registered trademark which identifies only products of The Vendo Company.

TABLE OF CONTENTS

Introduction	3
Model Designations	3
Specifications	3
Parts Ordering Procedure	4
Material Return Procedure	5
Initial Installation	6-8
Adjustments	9-12
Loading & Check Out	13
Trouble Chart	14-15
Cleaning	16
Lubrication	16
Introduction to Vend Cycle	17
Schematics	18-24
Wiring Diagram	25 27

INTRODUCTION

The Vendo single track serpentine venders with new "cold vault" design offer vender maintenance without product warm up, cost and labor saving features, and greater security.

Two doors with a common pivot point allow each door to operate separately. Inner refrigerated compartment door can remain closed during maintenance, eliminating product warm up and additional pull down time. Both doors, as a single unit, can be opened a full 180° for loading. The optional inner door lock allows both doors to open as a single unit with a second key required to separate the two doors before access is possible to the coin changer. The outer lock is factory installed.

The single track serpentine vender vends all domestic 10 or 12 ounce cans with only minor adjustment to the vend mechanism. All vend functions - sold-out switches, solenoid holding switch and cancel switch - are controlled on a removable, unitized vend mechanism for each track. The vender has a fast vend cycle of one second - from selection - to exit through delivery door.

MODEL DESIGNATIONS

This service manual applies to the basic vender and its various model designations as called out below in the model code number. You will find the code on your vender on the serial number plate attached to the cabinet.

VF165D	01C1650ZD	Trade
VF246C	01C2460ZC	Trade
VF246C	01C2461ZC	G.M.S. Beige
VF246C	01C2461WC	G.M.S. Vendura
VF246C	01C2461RC	G.M.S. Rowe Styling

SPECIFICATIONS

MODELS	165	246
HEIGHT	64"	73"
WIDTH	32"	38½"
DEPTH	23 3/8"	23 3/8"
WEIGHT	490	655
PRE-COOL	38	70



PARTS ORDERING PROCEDURE

When ordering parts, include the following information:

1. Shipping address.
2. Address where the invoice should be sent.
3. The number of parts required.
4. Always refer to the pertinent parts and/or service manual for the correct part number and description of a specific part.
 - a. If you do not have the right parts manual at the time you order, contact The Vendo Company, Customer Services Division, 999 Corrington Avenue, Kansas City, Missouri 64126. They will provide a copy for you.

Don't hold the order pending receipt of the parts manual - use the most accurate description you can (and the model number and serial number of the machine); include the name of the assembly in which the part is used and, if practical, a sample part. Furnish any information which will enable our order department to pinpoint the exact part needed.
 - b. 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 machine.
5. Always include model number and the serial number of the machines for which the parts are needed on the order.
6. List any special shipping instructions.
 - a. Always note on the order if you require air or air special, truck, parcel post, or rail. If a specific carrier is desired, note it on the order.
 - b. The Vendo Company pays freight on shipments unless air or other premium methods are requested.
7. Sign the order and note the date entered on the order.
8. When a purchase order number is used, be sure that it is legible and visible.

Mail your order to:

The Vendo Company
Customer Services
999 Corrington Avenue
Kansas City, Missouri 64126

All orders are carefully packed and inspected prior to shipment. Damage incurred during shipment should be reported at once and a claim filed with the terminating carrier.

MATERIAL RETURN PROCEDURE

All parts or assemblies returned must be accompanied by material return tags clearly stating the reason for return. (Tags are available on request.)

To replace an inoperative part within the terms of the warranty, please follow these instructions.

1. If a replacement part was taken from the available parts stock and installed on the machine, proceed as follows:

Complete a material return tag. Be sure all of the requested information is written in.

Keep the white (top) copy.

Attach the tag to the inoperative part and send it by the cheapest method of transportation to: The Vendo Company, 2001 Arthur Avenue, Elk Grove Village, Illinois 60007. The exception to this is refrigeration units and ice makers which must be shipped to: The Vendo Company, 999 Corrigton Avenue, Kansas City, Missouri 64126.

A like part will be shipped, prepaid, at no-charge, if our inspection shows the inoperative part became defective in warranty.

If a part does not meet the terms of the warranty, it will be replaced with a new part and invoiced accordingly. The returned part will be scrapped to eliminate further handling charges.

2. If a spare part is not available to put on the machine, order the part required. Use the postage-paid air mail order form provided by the Customer Services Division of The Vendo Company. The part will be shipped and invoiced to you. After the replacement is received, follow the procedure as outlined above under Number 1.

For major components which are impractical to stock for normal replacement activity, order a replacement using the postage-paid air mail order form.

The part will be shipped and billed.

After exchange of the part on the machine, complete a material return tag. Check the box marked "Credit our account Invoice No." on the material return tag. Fill in the invoice number.

Attach the tag to the inoperative part and send it by the cheapest method of transportation to: The Vendo Company, 2001 Arthur Avenue, Elk Grove Village, Illinois 60007. (Refrigeration systems and ice makers to: The Vendo Company, 999 Corrigton Avenue, Kansas City, Missouri 64126).

If our inspection shows the inoperative part became 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. To receive credit the inoperative part **MUST** be returned within 30 days from the date the replacement was shipped. We do not issue cash credit for the return of any part or accessory.

THE VENDO COMPANY MATERIAL RETURN TAG PLEASE COMPLETE ONE FOR EACH ITEM RETURNED	
OF TAG INSTRUCTIONS. SEE BACK FOR SHIPPING	FROM <u>The Best Vending Co.</u>
	ADDRESS <u>123 Main Street</u> CITY <u>Purchase</u> STATE <u>New York</u>
	PART NUMBER <u>46789</u> PART NAME <u>Refrigeration System</u>
	REASON FOR RETURN <u>Inoperative</u>
	THIS INOPERATIVE PART, REFRIGERATION SYSTEM, OR ICE MAKER WAS REMOVED FROM MACHINE MODEL NO <u>4181</u> MACHINE SERIAL NO <u>807007921</u> REPLACEMENT DATE <u>5-10-69</u>
COMPLETE THE FOLLOWING FOR REFRIGERATION UNITS AND ICE MAKERS	
INOPERATIVE UNIT SERIAL NUMBER <u>123456</u>	
THE INOPERATIVE UNIT WAS REPLACED BY UNIT SERIAL NO: <u>654321</u>	
THE REPLACEMENT UNIT WAS TAKEN FROM OUR STOCK (PLEASE CHECK): YES ☒ OR FROM ANOTHER MACHINE MODEL NUMBER _____ SERIAL NO. _____	
PLEASE CHECK ONE ☒ REPLACE WITH A LIKE PART OR REFRIGERATION SYSTEM ☐ CREDIT OUR ACCOUNT WE PURCHASED A REPLACEMENT WITHIN THE PAST 30 DAYS IT WAS BILLED TO US ON YOUR INVOICE NO _____	
DATE <u>5-12-69</u> SIGNED <u>Adam Best</u>	
KEEP THIS COPY FOR YOUR RECORDS	

INITIAL INSTALLATION

1. UNPACK

Remove all packing and tape from the cooler.

2. LEVEL (See figure 1)

Remove the wooden shipping base and replace the leveling screws. Place the vender in position at least two inches from the wall. Do not block the ventilating louvers either front or rear. When the vender is level, the door can be opened to any position, and the door will not move by itself. Try the door in the half closed, straight out and wide open positions before deciding the vender is level.



FIGURE 1

3. COINAGE LABEL

Be sure the surface of the coin entrance is clean and dry. Peel backing paper and place the label on the coin entrance as shown in figure 2.

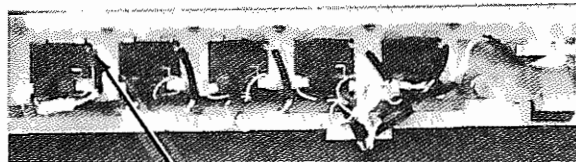


COINAGE LABEL

FIGURE 2

4. FLAVOR STRIPS

Insert flavor strips into the slot on the rear of the selection buttons. Be sure the product is the same as the flavor strip on the selection button that operates that column. (See figure 3)

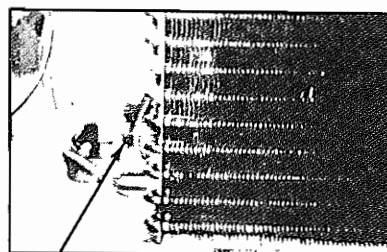


FLAVOR STRIP

FIGURE 3

5. CONDENSATE PAN

The condensate pan is in correct position when shipped. Check to make sure it is still in position as shown in figure 4. Check the drain tubing leading to the pan, seeing that it is secured with a clip free of kinks.



CONDENSATE PAN

FIGURE 4

INITIAL INSTALLATION (Continued)

6. GROUNDING

To insure safe operation of an electrically equipped vender, the vender must be grounded. To verify that the receptical is properly grounded, connect one probe of the test light to the screw holding the receptical cover. Insert the other probe into the opening of each outlet. (See figure 5.) If the test light does not light when placed in either side of the receptical, the receptical is not grounded. To provide a proper ground use an adapter which has a ground wire attached. The wire should be connected to a ground such as a water pipe. If the receptical is grounded but not the three prong type, the adapter may be used. Attach the wire to a ground or to the receptical cover screw.

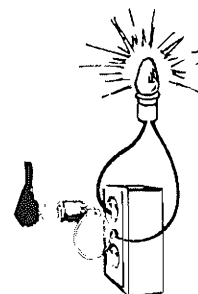


FIGURE 5

7. COIN MECHANISM

The coin mechanism mounts on the three mounting screws located on the inner door.

- A. Remove the acceptor from the coin mechanism.
- B. Slip the keyholes in the back of the mechanism over the three mounting screws and tighten.
- C. Put the acceptor back onto the coin mechanism.

Vari-Price changers - Put the coinage plug into the receptacle on the control box and secure the cord with a metal clamp. Set prices and prepare changer for operation according to the Vari-Price service manual. (See figure 6)

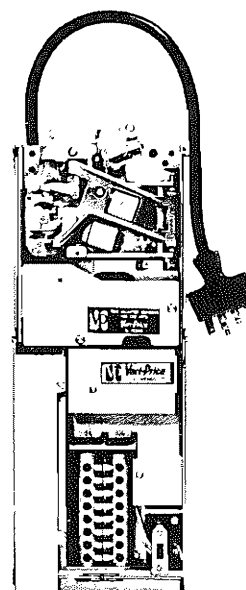


FIGURE 6

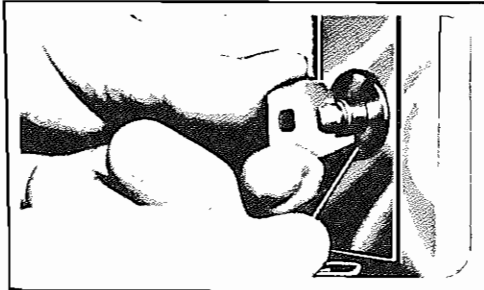
8. CHECK OUT THE VENDER

Plug in the service cord. The following components will run: compressor, condenser fan, evaporator fan. In addition, the "Make Another Selection" lamps should light when there are no cans in the columns.

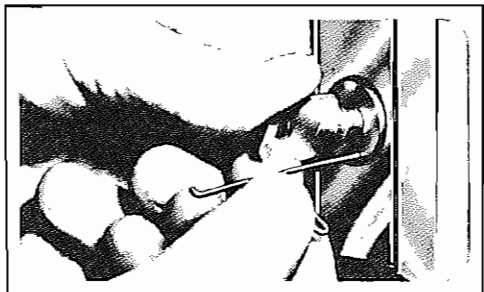
INITIAL INSTALLATION (Continued)

9. CODE YOUR LOCK.

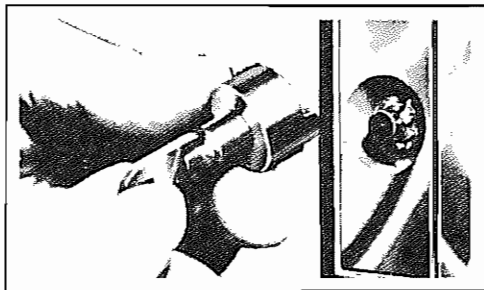
Venders shipped directly from the factory will have the Flex-Ace Lock installed and should be recoded upon receipt of your assigned coder kit.



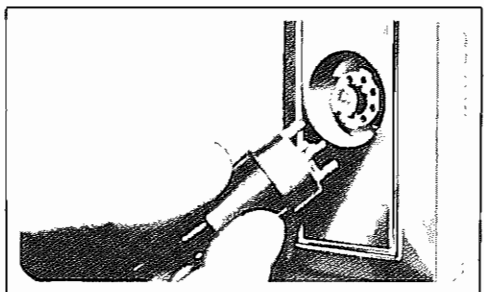
- A. Insert old key into lock and rotate to full unlocked position (6 o'clock).



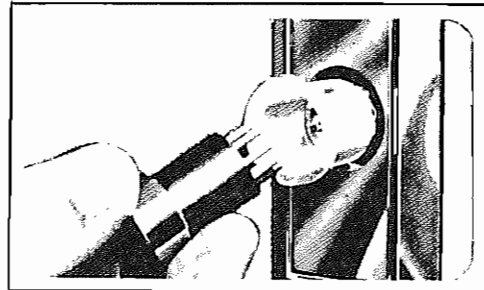
- B. Insert release pin into hole in cap, push pin firmly, and rotate key to release at slot position.



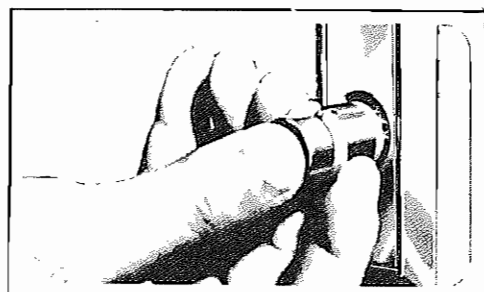
- C. Remove cap with key as one unit.



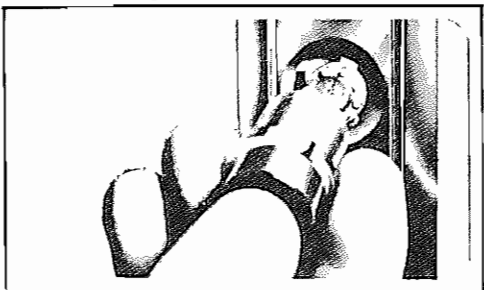
- D. Using magnet end of loader tool, remove all 7 tumblers.



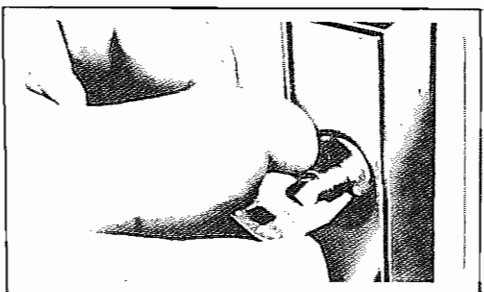
- E. Place the pre-loaded coder into lock. (It's slotted to fit over the center shaft one way only.)



- F. Place the loading tool into the coder (It's slotted to fit one way only.) and press the new tumblers firmly into place.



- G. Remove empty coder and loading tool as one. Be certain all 7 new tumblers are in place.



- H. Replace the lock cap. Insert new key. Press cap in firmly and rotate to locked position (12 o'clock).

ADJUSTMENTS

After repairs or prolonged use, the following adjustments should be checked to insure proper and efficient operation of the vender.

1. DOOR ADJUSTMENTS

The outer door must be adjusted properly to allow the door to close and lock securely. The cabinet hinges must be adjusted to provide a door-cabinet relationship as shown in figure 8.

The outer door lift must be adjusted to raise the groove of the door to meet with the cabinet latch tongue. (See figure 9)

The inner door lift must be adjusted in such a manner that it will support the full weight of the door. (See figure 9)

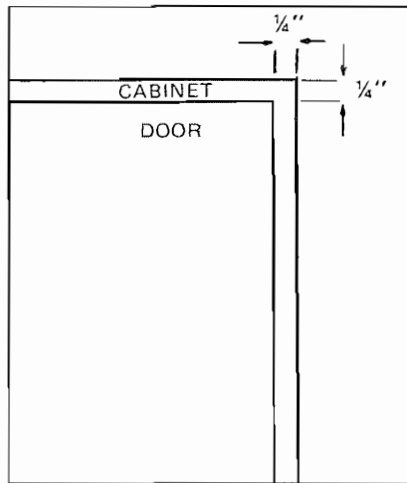


FIGURE 8

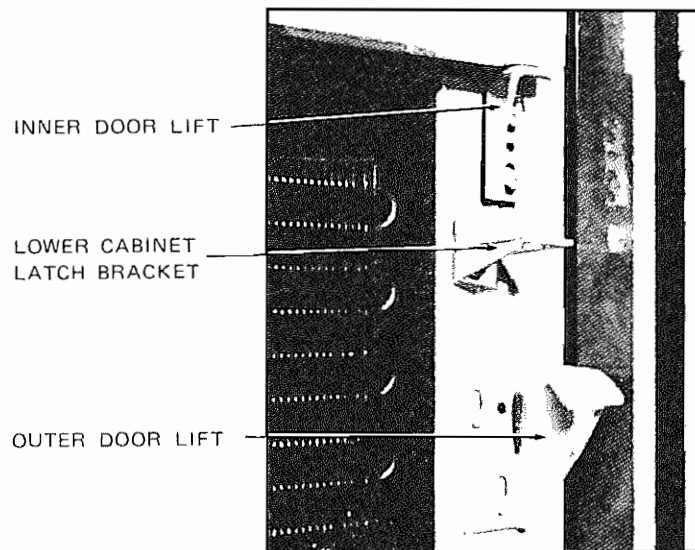


FIGURE 9

Adjust the inner door inward to cabinet to insure a good seal between door gasket and cabinet surface. Adjust door side to side to obtain a minimum of 1/8" swing clearance at door latch, but still maintaining gasket contact between door and cabinet. (See figure 10)

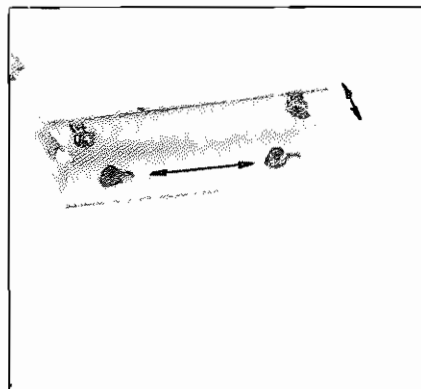


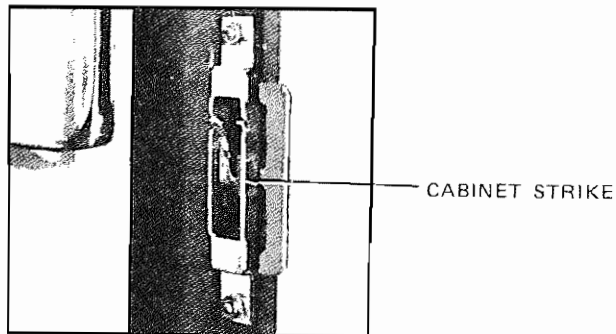
FIGURE 10

ADJUSTMENTS (Continued)**2. LOCK AND LATCH ASSEMBLY****A. MAIN LATCH AND STRIKE**

When the key is turned, the flush mounted latch handle is allowed to pop out. Rotating the handle counterclockwise 270 degrees releases the cam from the cabinet strike, to allow the door to open. If the handle becomes hard to turn, proceed as follows:

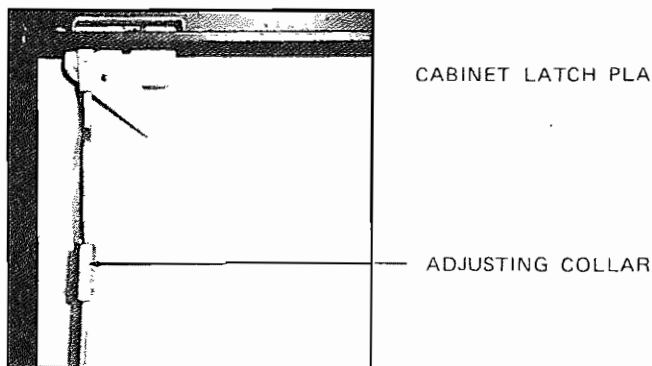
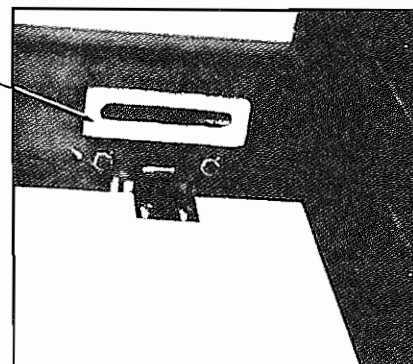
Check the set screw on the lock cam for tightness.

Adjust the cabinet strike so that the latch pin catches the latch strike. Loosen the two nuts and move the strike as required. Shims can be added or removed between the strike and cabinet to provide 1/16" clearance between lock cam and latch strike. (See figure 11)

**FIGURE 11****B. UPPER AND LOWER LATCH SYSTEM. (Standard on 73" model; optional on 64" model)**

The length of the upper drive arm link should be adjusted so that the upper latch clears the door frame without binding and allows the lock cam to rotate "freely" into the locked position. If necessary to adjust, loosen the set screw and turn the adjusting collar. (See figure 12)

The cabinet latch plate can be adjusted in or out to achieve proper clearance with the upper door latch. (See figure 13)

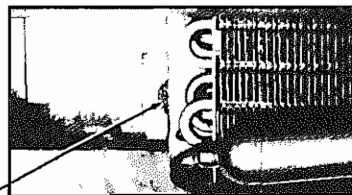
**FIGURE 12****FIGURE 13**

The lower cabinet latch bracket can be adjusted up or down to mesh properly with the door latch and lower drive arm link. (See figure 9)

ADJUSTMENTS (Continued)

3. TEMPERATURE CONTROL

The temperature inside the cabinet is regulated by the temperature control located on the left side of the evaporator. Before adjusting the control, make sure all components of the refrigeration system are working properly and the inner door seal is tight. To increase the temperature, turn the control counterclockwise. To decrease the temperature, turn the control clockwise. For a temperature change of approximately 2 degrees turn the control knob one-half turn. (See figure 14)



TEMPERATURE CONTROL

FIGURE 14

4. VEND MECHANISM

There is one vending mechanism at the bottom of each column. The two bottom cans in each column rest on this mechanism. The gate assembly, which is held in place by the rocker assembly, holds the cans in the stack during standby.

When a selection is made, the vend solenoid is energized. The solenoid link moves the rocker assembly up between the can at the vend position and the can behind it in the column. When the rocker assembly is moved, it releases the vend gate assembly. This allows the weight of the can in the vend position to rotate the vend gate and drop the can into the delivery chute. The vend gate then returns to its free position, and actuates the cancel switch on the vending mechanism base to break the circuit to the credit relay and thus de-energize the vend solenoid.

As the vend solenoid is de-energized, it returns the rocker assembly to its standby position and the rocker again "locks" the vend gate in place. The can that was held back by the rocker assembly is then permitted to roll to the "vend" position.

When there is no can behind the can in the "vend" position, the spring-loaded sold-out lever will release and will operate the sold-out switches "A" and "B".

To remove the vend mechanism from the stack assembly, push up on the latch to the right front of the vend mechanism, lift, and pull forward. (See figure 15)

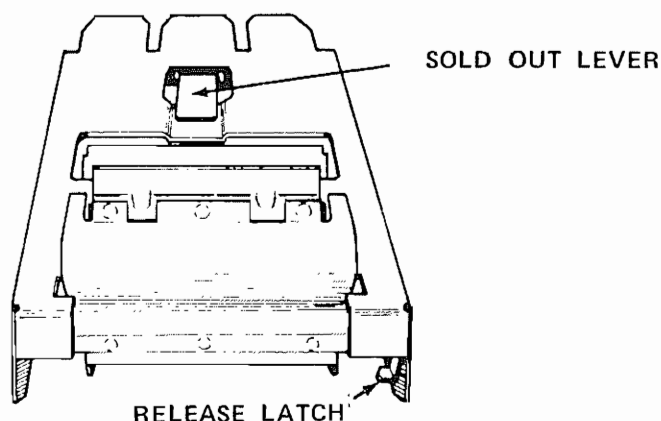


FIGURE 15

ADJUSTMENTS (Continued)

A. SOLD OUT SWITCHES (See figure 16)

The sold-out switches should be actuated only when there are no cans present on the sold-out lever. To adjust, reform the sold-out lever.

B. VEND SOLENOID (See figure 16)

The purpose of the vend solenoid is to move the rocker assembly and actuate the vend solenoid switch. When the solenoid is energized there should be approximately $1/64''$ between the rocker stop tabs and the vending mechanism frame. To correct any misalignment, loosen screw "A", close the solenoid plunger by hand and move the mount back or forward as necessary. Tighten the screw. When the solenoid is returned to its normal standby position, the linkage should operate the vend solenoid switch when there is approximately $1/16''$ between the rollers on the rocker assembly and the vend gate. Form the switch actuator on the vend solenoid switch to correct any misalignment.

C. CANCEL SWITCH

This switch must be actuated during the free travel of the gate as determined by the stops on the gate and the rocker rollers when they are in the standby position (solenoid de-energized; no cans in vend position). To adjust, form the switch actuator arm.

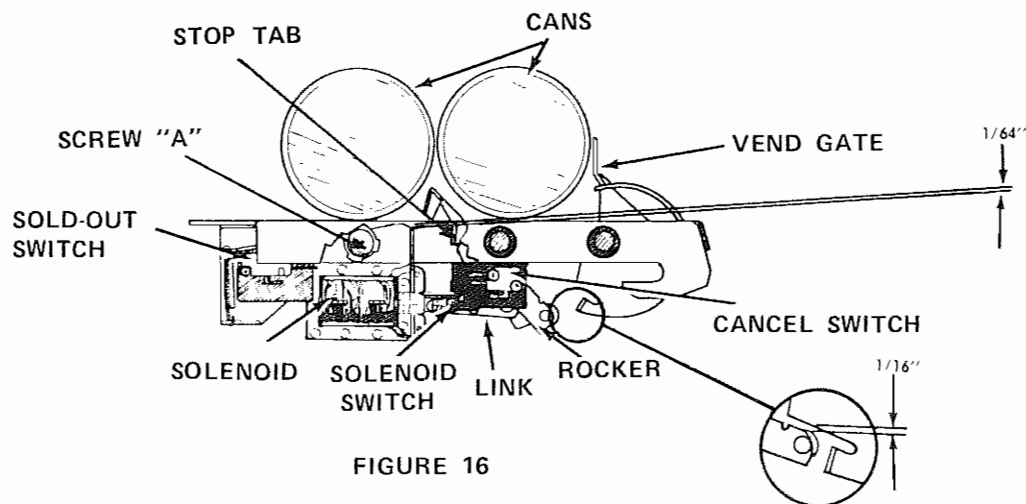


FIGURE 16

5. TIE ROD

The three bottom tie rods on the stack (the two holding the hold down plates and the one below and to the rear) should be kept just tight enough so that the hold down plates and vending mechanisms can be moved by hand. To adjust, tighten or loosen the nuts on the right ends of the tie rods as needed.

LOADING

1. In order to complete changer CREM circuit, each column must have at least one can in it; at least one column must have 2 or more cans.

When loading a column, be sure the product in the column corresponds to the flavor strip in the selection button. Relationship of column number to selection button is indicated on the label at the top flange of each stack column. (See figure 17)

Be sure the vender is in stand-by condition (vend gate locked) so that cans will not fall out of the bottom of the column.

2. Load by placing cans into the opening at the top of each column. Load cans to be pre-cooled in the area beneath the stack and between track curves on front of stack.
3. To remove a vend mechanism from a loaded column:

Insert a long bit screw driver or a flat strip of metal with smooth edges into the column just above the hold down assembly so that the end extends between the third and fourth cans in the column. Remove the vend mechanism cover which is mounted by two screws. (See figure 17) Operate the vend mechanism solenoid manually to dispense three cans. The remaining cans in the column should be supported by the previously inserted tool.

Release the spring loaded latch on the right front of the vend mechanism.

Pull mechanism forward and down to remove.

4. To remove the last can from a column:

Insert one finger through the hole in the vend mech cover below the vending mechanism. Unlock the rocker assembly from the vend gate. The weight of the can will rotate the vend gate forward and the can will be released. If the last can is removed from any column, the vender will refuse all coins until at least one can is replaced in that column.

5. 10 oz./ 12 oz. Conversion (See figure 18)

To convert a column from 12 oz. to 10 oz. cans, lower the hold down plate by pushing down and back until the rod locks in the front notch.

To convert a column from 10 oz. to 12 oz. cans, raise the hold down plate until the tie rod locks in the rear notch.

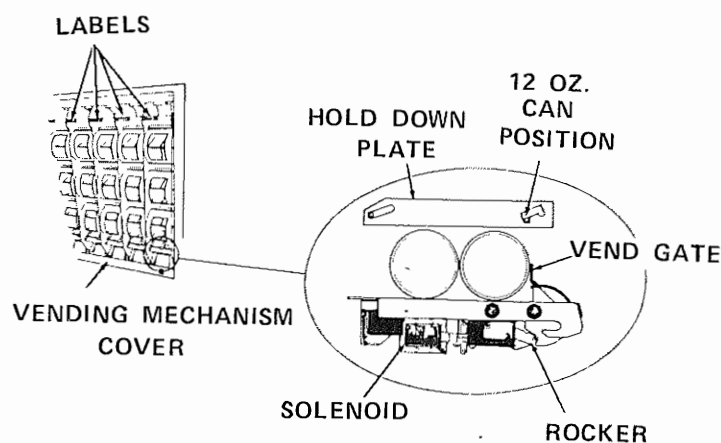


FIGURE 17
SIDE VIEW

PUSH PLATE DOWN SO THAT
ROD LOCKS IN THIS NOTCH
FOR 10 OZ. CANS

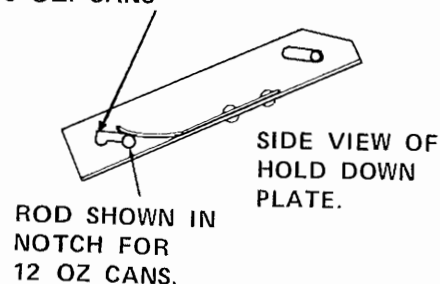


FIGURE 18

TROUBLE CHART

TROUBLE	CAUSE	SERVICE SUGGESTION
Compressor will not run.	No electrical power	Check power source and vender service cord.
	Defective thermostat	Remove cover from thermostat leads and apply jumper across its terminals. If compressor runs, thermostat is defective. Replace.
	Defective overload protector.	Replace
Compressor tries to start but cycles on Overload Protector.	Defective start relay	Replace
	Defective compressor	Ohmeter check of compressor: Remove all leads from compressor. Check continuity from common connector to compressor case. If meter shows continuity, compressor has shorted windings. Repeat check with start and run connections. Replace. Check continuity from common to start connections, then from common to run. A meter reading should result. If not, windings are open and compressor should be replaced.
Temperature above normal.	Condenser or evaporator fan not operating.	Check fan motor circuit. Check for fan blade obstruction.
	Temperature control sensor out of position.	Check
	Air flow restricted around evaporator.	Check for obstruction around evaporator area.
	Blocked or dirty condenser or air scoop screen.	Keep condenser and air intakes free of lint, dirt and obstructions.
	Bad door seal.	Check seal. Make necessary door adjustments.
	Evaporator frosting up.	Check for broken delivery door. Check for delivery door closing properly. Check delivery door torsion spring. Check drain tube for loop as required for air trap.
	Low voltage	Check power source with volt-meter. Check extension cord for proper wire size.

TROUBLE CHART

TROUBLE	CAUSE	SERVICE SUGGESTION
Excessive noise.	Evaporator fan blades hitting ice build up due to stopped up drain.	Check for obstruction.
	Condenser fan blade hitting foreign object or condenser shroud.	Check for obstruction.
	Fan blades bent.	Straighten or replace.
	Fan motor noisy.	Repair or replace.
	Fan motor mounting loose.	Tighten.
Returns all good coins.	Vender not level.	Level vender.
	Coin path dirty.	Clean acceptor.
	Acceptor needs adjusting or coin gate not closed.	Make sure the coin mechanism is properly mounted. See proper coinage manual for adjustments.
	Coin switch defective or not in standby position.	Replace switch or return it to standby position.
	Cancel switch defective or not in standby.	Replace switch or return it to standby position.
	Coin Return Electro Magnet (CREM) defective or blocking fingers bent.	Replace CREM or reform blocking fingers.
	Contacts of credit relay open.	Check continuity of credit relay switches. Replace if necessary.
Changer will not pay out change for quarter deposited.	Columns empty	See loading instruction page.
	Coins not laying flat in coin tube.	Remove coins and reload tube.
	Dime in nickle payout area.	Remove coins and reload tube.
	Coin tube switch defective.	Replace
Vender accepts coins but doesn't vend product.	Lack of credit established when money deposited.	Refer to coinage manual.
	Credit relay defective.	Replace
	Sold out switch defective.	Replace
	Vend solenoid switch defective.	Replace
	Selection button switch defective.	Replace
	Vend solenoid defective.	Replace
	Circuit breaker has kicked out.	Reset
	Circuit breaker open internally.	Replace.



CLEANING

1. CABINET

Wash the vender with soap and water. Wax the exterior with automobile wax. Corrosion may be removed from the interior with steel wool and retouched with paint.

2. REFRIGERATION UNIT

The face of the condenser and evaporator must be kept clean for efficient operation. Clean with a brush, a vacuum cleaner or compressed air.

3. ACCEPTOR

The following steps are recommended for cleaning the acceptor:

- A. Place the acceptor in boiling water and soak for ten minutes.
- B. After soaking, use a brush and kitchen cleanser to completely remove all foreign matter.
- C. Rinse thoroughly in boiling water.
- D. Dry thoroughly with filtered compressed air if available.
- E. Use powdered graphite on the pivot posts of the coin cradles only. Use care in keeping the graphite away from the paths followed by the coin. *CAUTION: Do not use oil.*

LUBRICATION

INTERVAL	PARTS	LUBRICANT
Every Six Months	Top hinge of door Door hinge pin at base of cabinet Door latch and upper 3 point latch area Inner to outer door lock pivot points	Part Number 323452 (1 Pound Can)
Whenever Necessary	Moving mechanisms behind coin insert panel. All pivot points in vending mechanism.	Part Number 323798 (1 Pound Can)

INTRODUCTION TO THE VEND CYCLE

The electrical system in the serpentine can vender performs three basic functions during a vend:

1. "Establishes credit" in the machine through the changer.
2. Relays the customer's selection to the proper column.
3. Vends a can from that column.

VEND SOLENOID

A solenoid is a coil of wire wrapped on a frame around a movable plunger. To say a solenoid is "energized" is to say an electrical current is fed through the coil of wire. A magnetic field is thus set up which pulls the plunger further into the coil. The solenoid thereby turns electrical power into a mechanical action.

In the case of the vend solenoid, this mechanical action does two things. It releases the gate assembly to allow a column to vend. It also actuates the vend solenoid switch and raises rocker assembly to prevent second can from vending.

CREDIT RELAY

When a solenoid is used to actuate one or more switches, it is called a relay. There is one relay in this circuit. Its function, is to transfer electrical power from one line to another.

C.R.E.M.

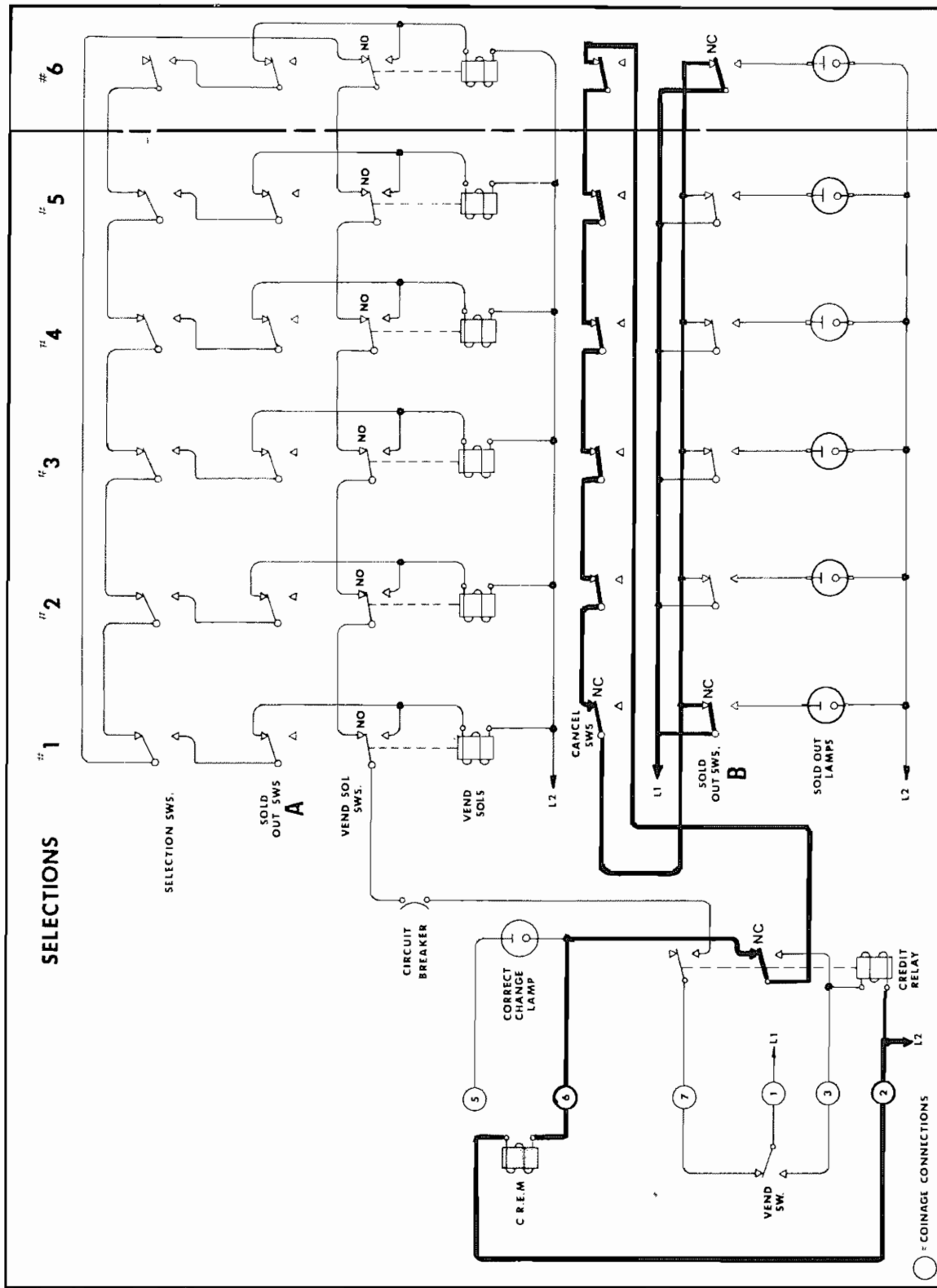
The Coin Return Electro Magnet (C.R.E.M.) is also a solenoid. Attached to its plunger are the blocking fingers. When the C.R.E.M. is not energized, the blocking fingers extend into the coin paths and deflects the coin to the return cup. When it is energized, it holds the fingers out of the coin paths to allow coins to be accepted.

ABBREVIATIONS

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

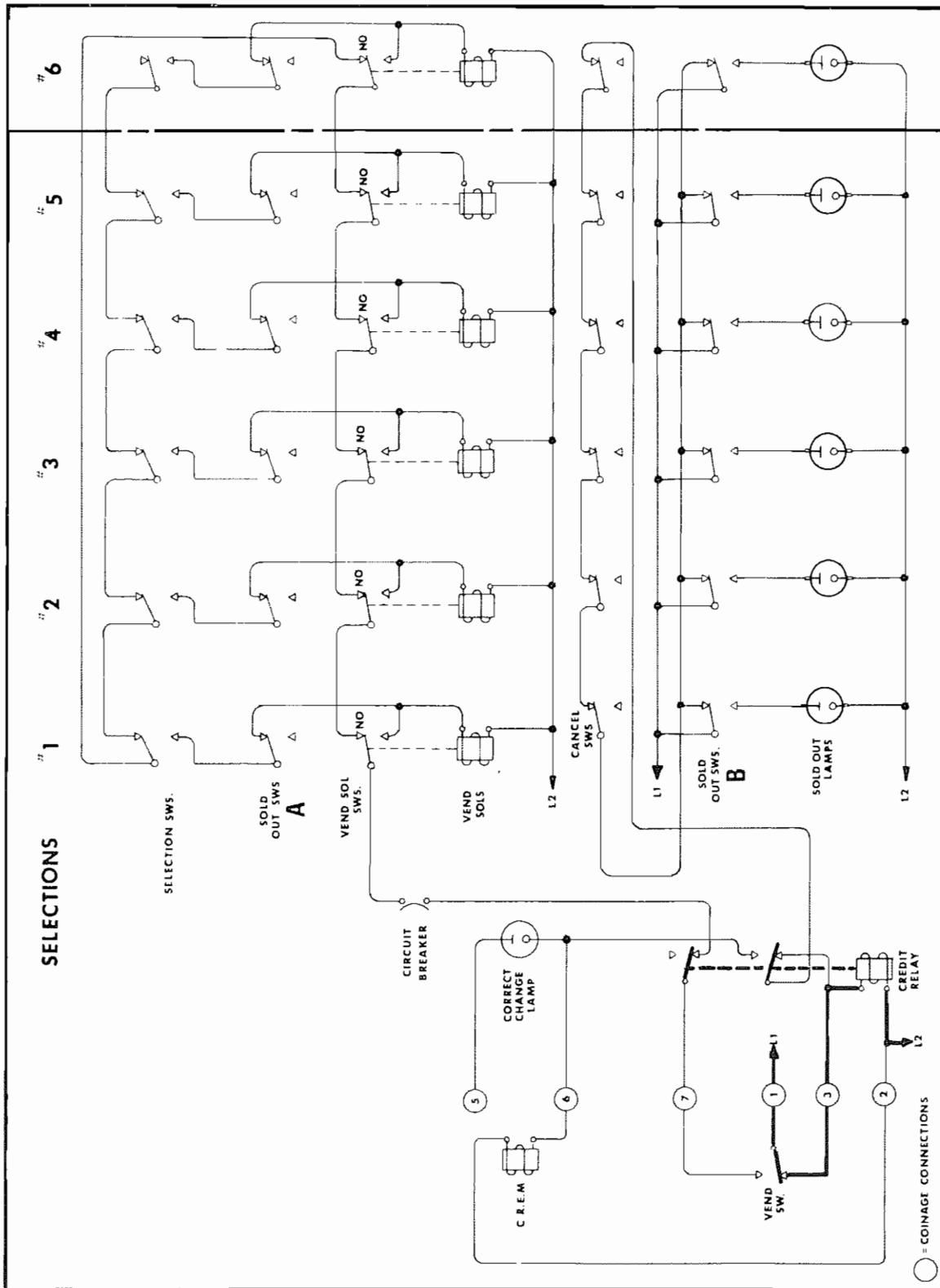
SYMBOLS

	 SWITCH
	 SERVICE CORD LINE PLUG
	 LAMP
	 SOLENOID
	 ELECTRICAL WIRE JUNCTION
	... ELECTRICAL PLUG AND RECEPTICAL IDENTIFICATION
	 CIRCUIT BREAKER

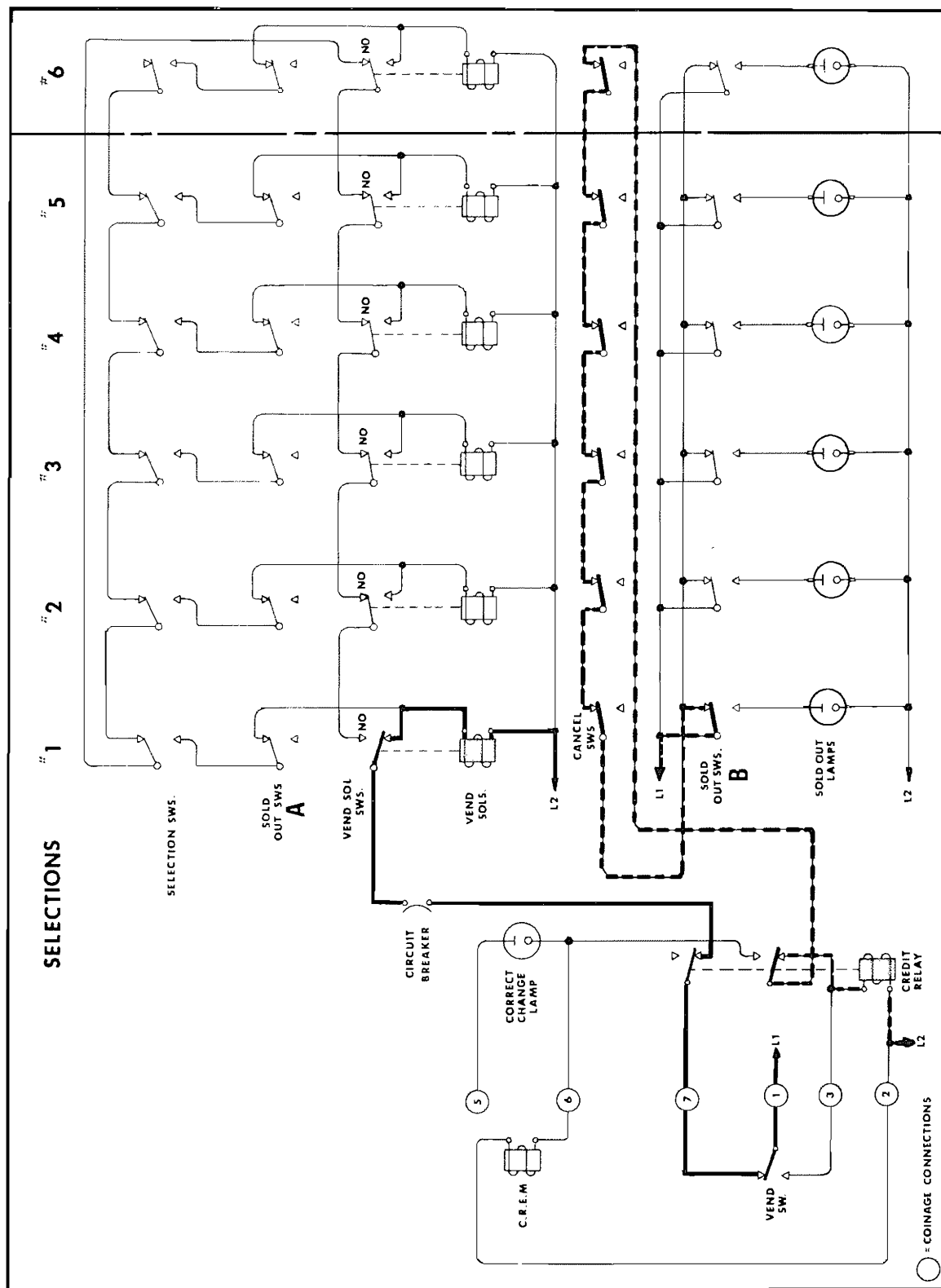


1. STANDBY

When each column has one can in it, and at least one column has two or more cans in it, the sold out lever actuates the sold out switches to complete a circuit to the CREM of the changer.

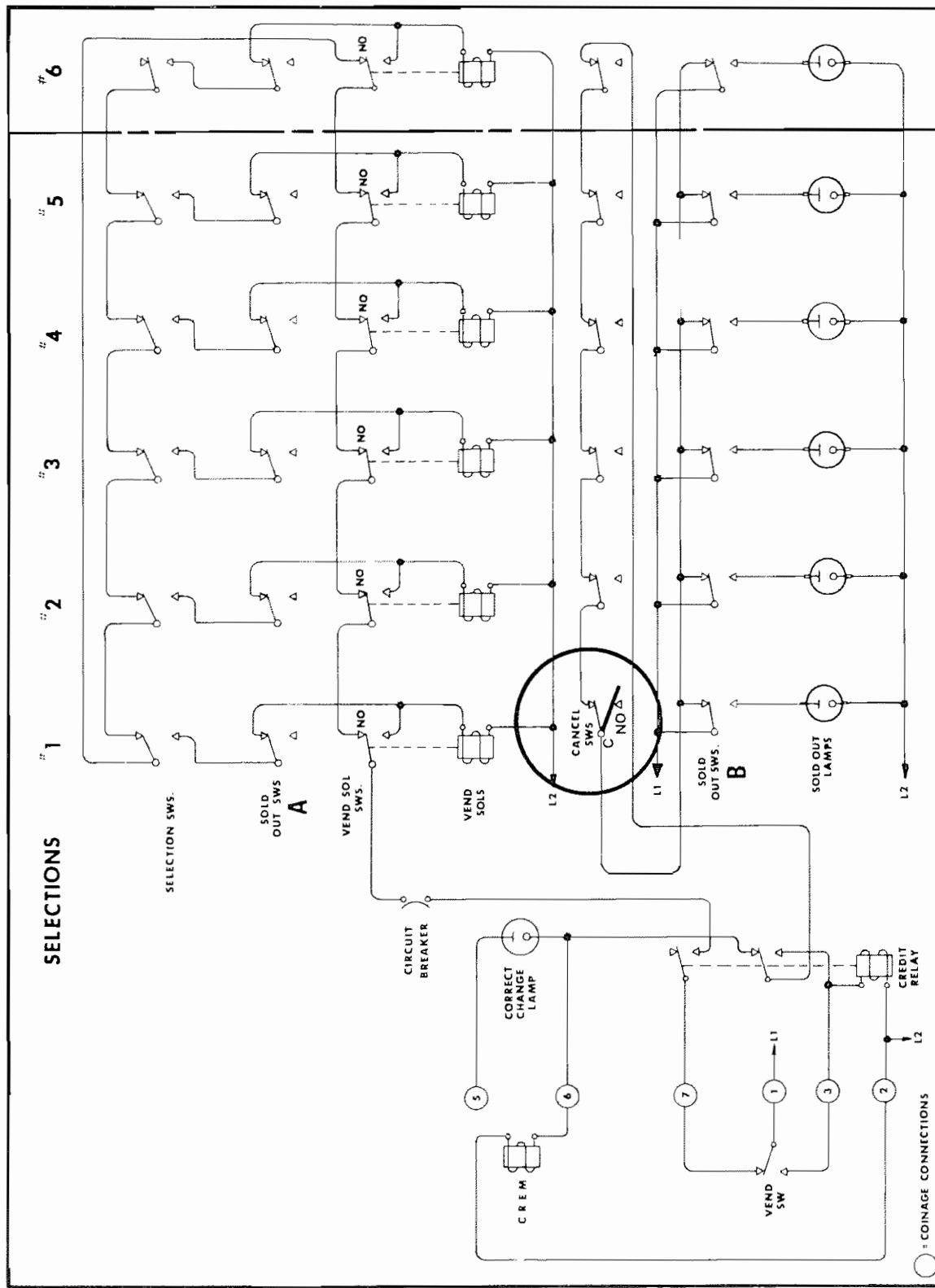


2. **CREDIT**
As a coin or coins pass through the accept side of the changer, the vend switch is actuated, and a circuit is completed to energize the credit relay.



5. SELECTION HOLD

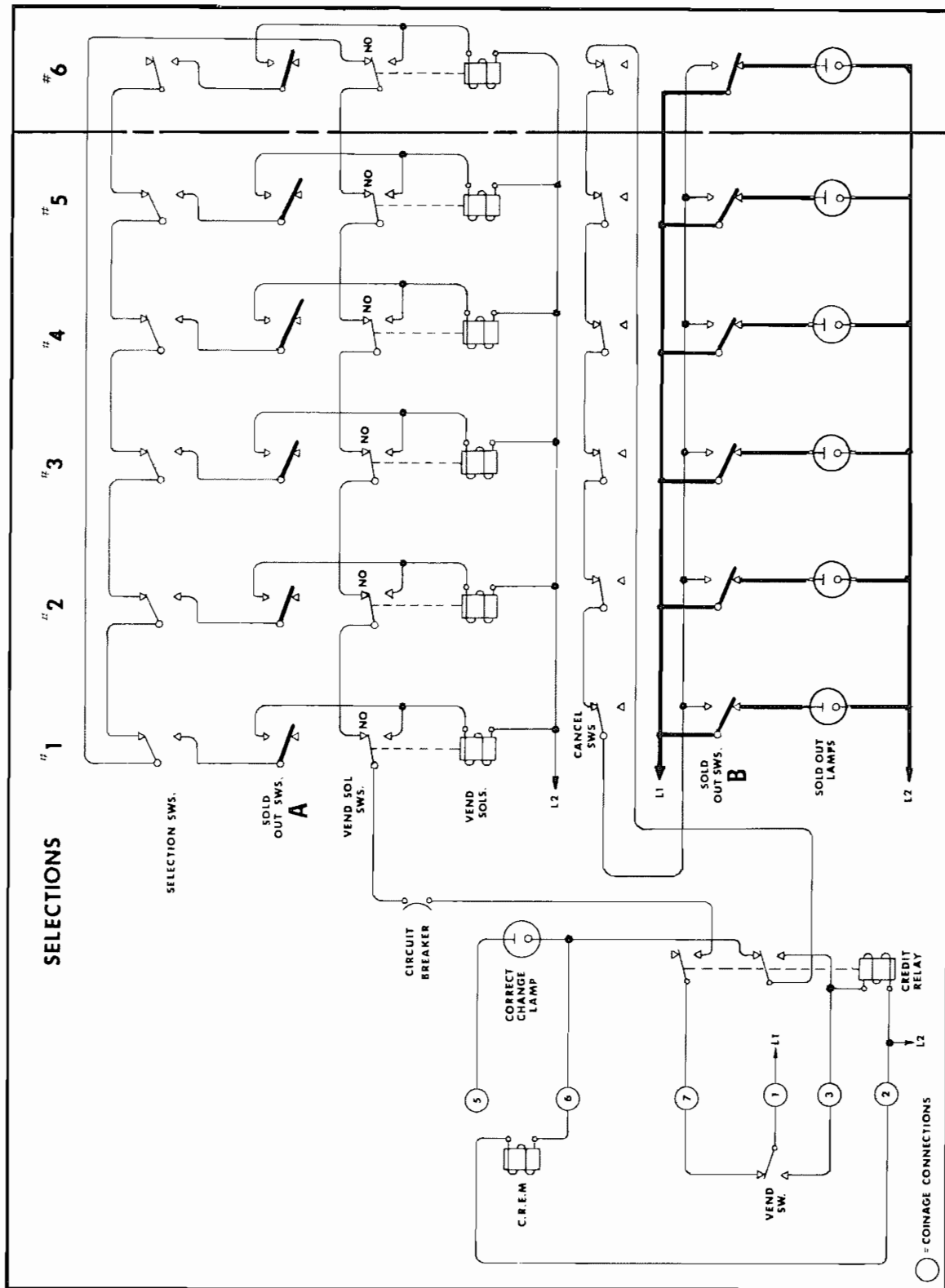
As the vend solenoid energizes, the vend solenoid switch is actuated to C.-N.C. to maintain a holding circuit to the vend solenoid.



6. CREDIT CANCEL

With the vend solenoid energized, the rocker assembly releases the vend gate assembly, allowing it to rotate as a result of the weight of the can of product.

As the can rolls over the vend gate, the vend gate is released. The vend gate through spring tension will return to actuate the cancel switch to C.-N.O. This breaks the circuit to the credit relay which is then de-energized along with the vend solenoid.



7. SOLD OUT SWITCHES

There are two sold out switches per column.

Sold Out Switch "A"

When this switch is actuated C.-N.O. (empty condition) the circuit is broken to the respective vend solenoid.

Sold Out Switch "B"

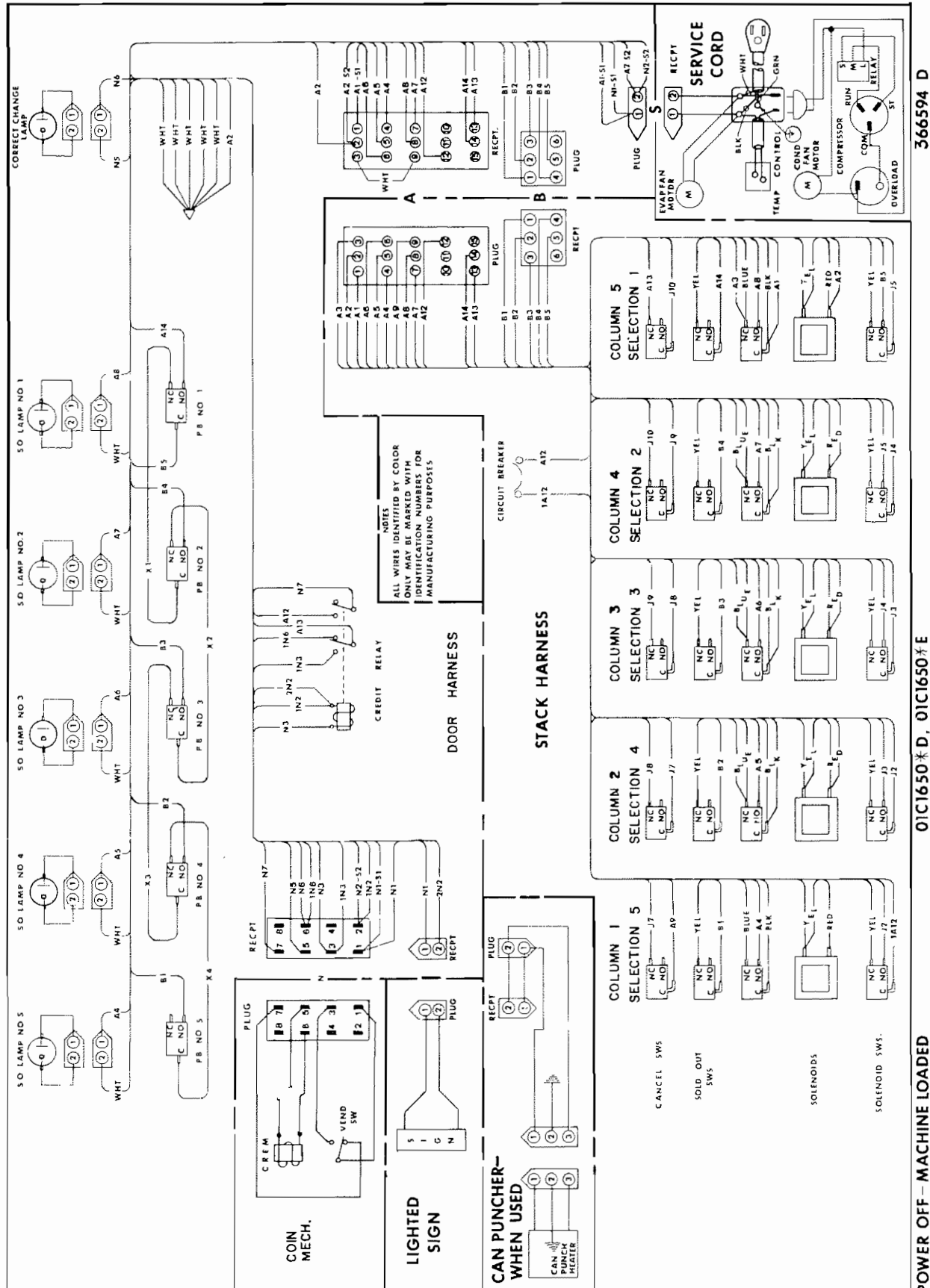
When this switch is actuated C.-N.O. (empty condition) the circuit is completed to the corresponding

Sold Out Lamps. The circuit to the CREM will be broken if all of these switches (sold out switch "B")

are actuated to C.-N.O. as a result of all columns selling to empty condition.

Note: One can will be left in each column at sold out condition.

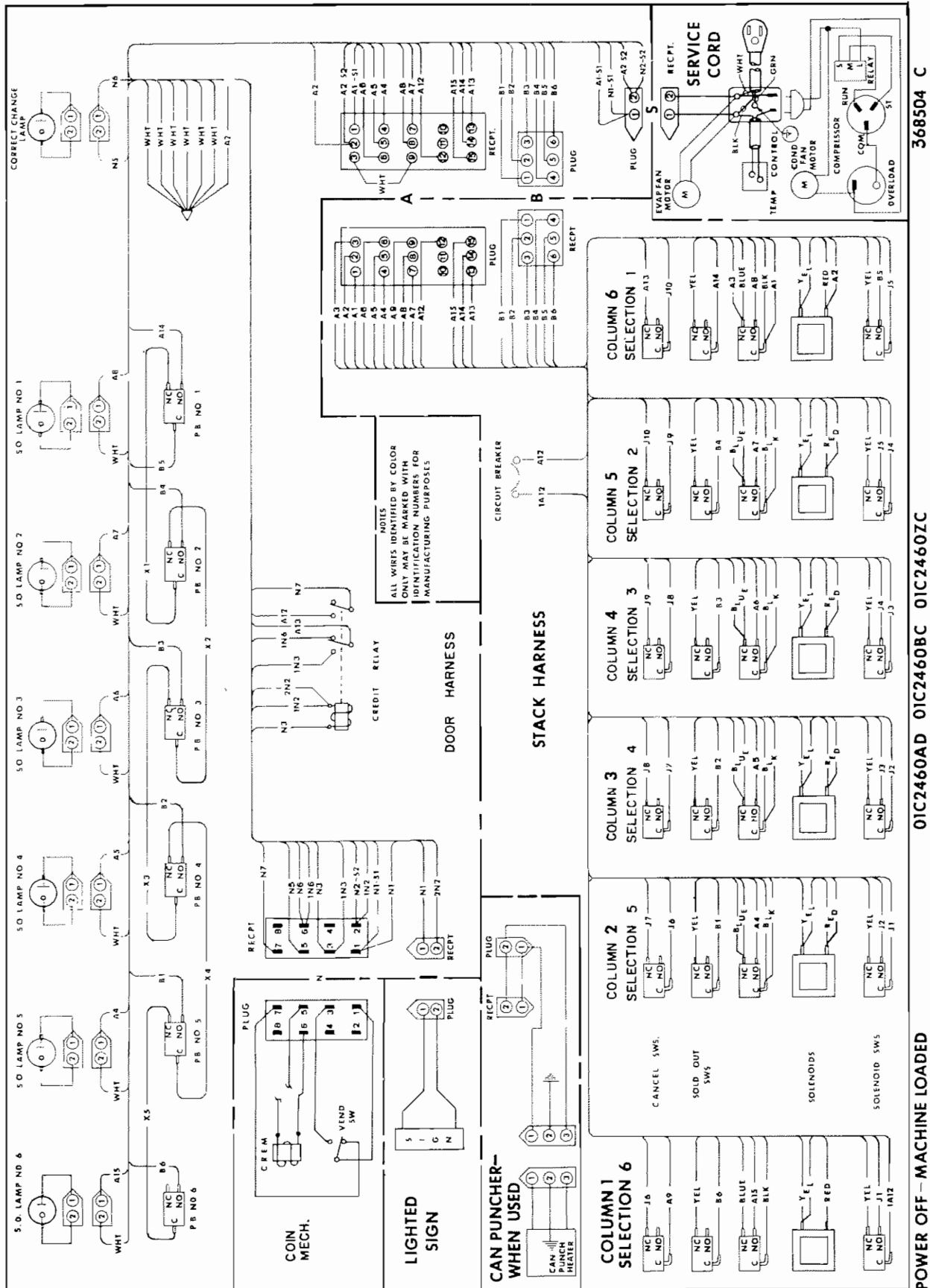
WIRING DIAGRAM
165
TRADE



WIRING DIAGRAM

246

TRADE



WIRING DIAGRAM 246 G.M.S.

