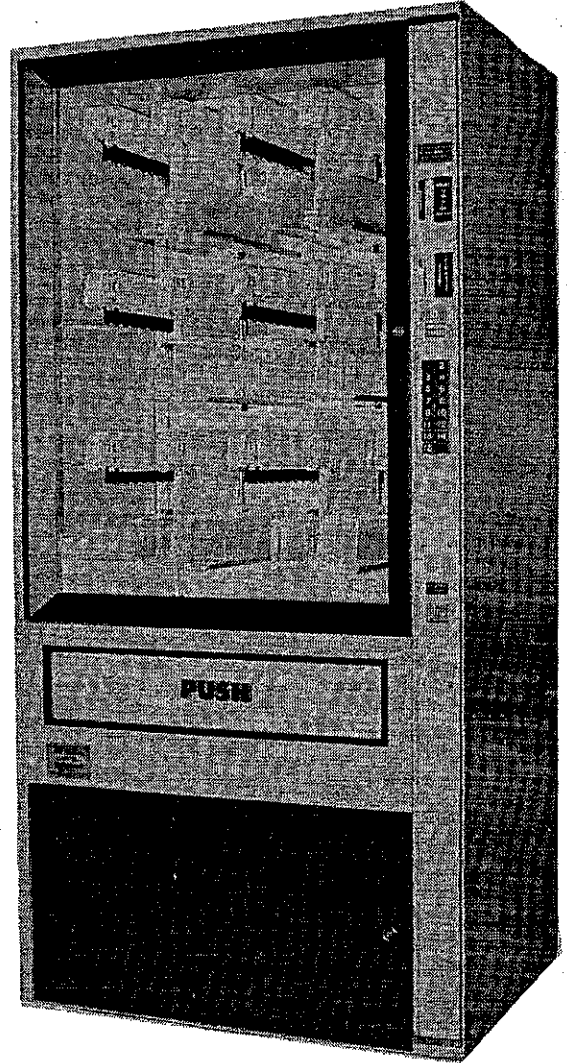


\$7.50

Polyvend SuperSeller 1500

Polyvend INC.



SERVICE MANUAL

SUPER SELLER 1500 - SNACK MODULE

FEATURES

- * Unobstructed display of product
- * Easy loading slide out arm
- * Capacity - 15 selections: 150-198 items
 - 10-bagged items per arm
 - 18-special product tray units per arm
- * No limitation of vend price by position
- * Microswitch dispensing motors
- * Trim kit package - Optional
- * Four price coin changer - Optional
- * 18 gauge steel construction
- * Electrical
 - Primary: 115 volts; 2 amps
 - Secondary: 24 volts; 3.2 amps
- * Dimensions - 68" x 34" x 29"
- * Shipping weight - 480 lbs.

BENEFITS

- * Increased sales via utilization of "impulse buying" concept
- * Frontal access for easy and quick loading by delivery personnel
- * Allows for combination of vending principles and greater flexibility
- * Greater flexibility in merchandising products
- * Technological improvement which adds to equipment reliability and durability
- * Allows flexibility in matching decor on location (bank installation)
- * Flexibility in serving full-line accounts
- * Designed to be utilized in any location; construction resists and increases structural integrity
- * Designed for standard circuitry 24 volt system for safety
- * Designed to be utilized in location where space is a problem
- * Easy and convenient to move

SERVICE MANUAL

MODEL SS-1500

AUTOMATIC RACK MERCHANDISER

GENERAL

The Polyvend SS-1500 has been developed specifically for the display rack merchandising market. Each of 15 independent dispensing units may be activated by push button selection after sufficient credit has been established in the coin mechanism.

Each dispenser is readily removable from the front for replacement or repair. Two types of module dispensers (hanging or tray) are supplied for optimum product selection.

SPECIFICATIONS

OVERALL DIMENSIONS:

Height.....70"
 Width.....33 3/4"
 Depth.....28"
 Front Clearance (Door).....30"

ELECTRICAL:

Primary.....115 VAC
 Secondary.....24 VAC
 Current (Primary).....2 AMP

WEIGHT:

Shipping.....483 pounds

CAPACITY:

6 Confectionery (Candy)
 Modules.....108 pieces
 9 Snack (Chip)
 Modules.....90 pieces

TOTAL.....198 pieces

NOTE: Polyvend, Inc. is not responsible for faulty or overloaded circuits where Polyvend machines are installed. The exact load imposed by each machine is stated in the related service manual. The sum of all such machines in any particular location will determine the total line load.

INSTALLATION

Remove all external packing materials.

Inspect for shipping damage.

Remove keys from envelope in delivery compartment.

Open product loading door and remove cardboard filler from dispenser assemblies.

Remove tape from sliding door and coin return cup.

Set coin equipment to the desired four prices in accordance with the coin equipment instruction sheet. (The changer is located behind the sliding door on the right-hand inner wall of the product loading compartment.)

Plug in numbered motor leads to one of four selected terminal strips on board for desired price settings (SEE FIGURE 1).

Select desired price labels from the envelope in the delivery compartment and place above the appropriate number tabs.

Save extra fuses, etc. found in the envelopes.

Adjust leveling screws on the bottom of the machine until the product loading door can be opened and closed freely without binding or rubbing on the cabinet opening.

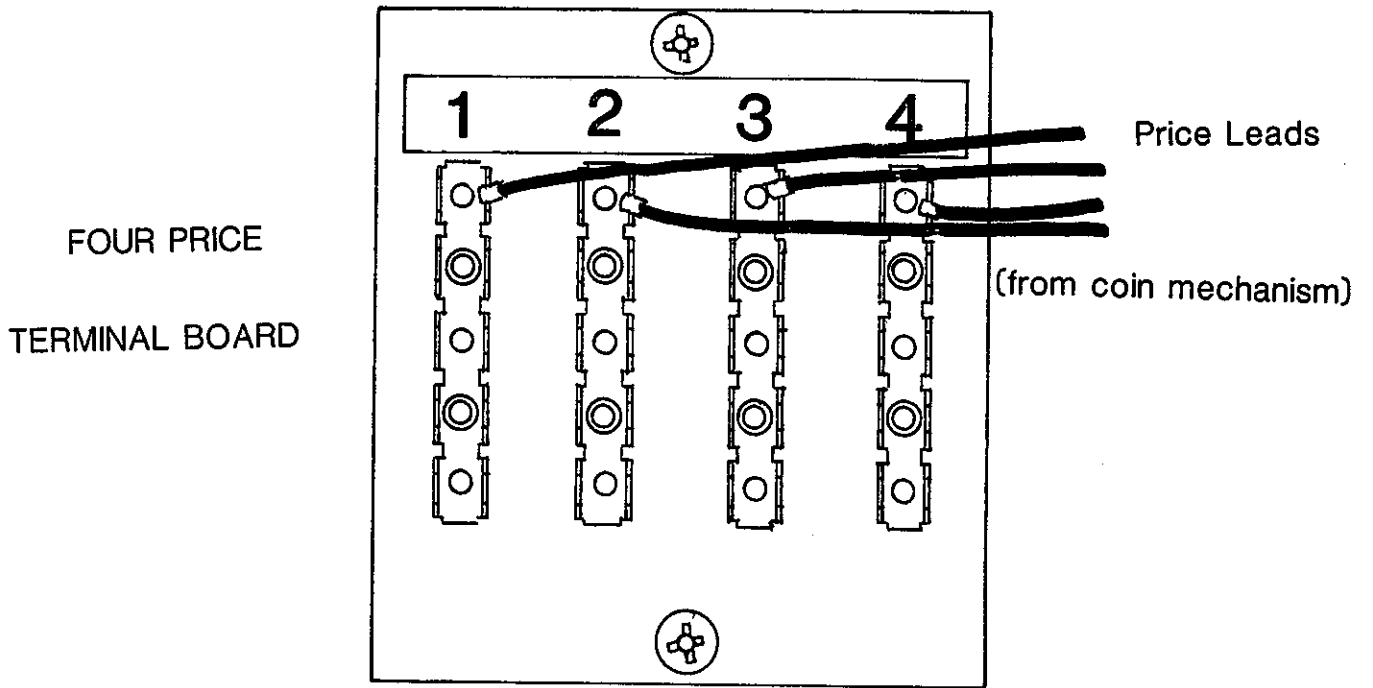
Plug the service cord into a 115 VAC source using the grounded, three pronged connector provided. If a suitably grounded outlet is not available, use a proper external ground on all locations.

Load the coin tubes in the coin changer.

Load the machine with product.

NOTE: SEE PRODUCT LOADING SECTION OF THIS MANUAL TO PREVENT DAMAGE TO DISPENSING CHAINS.

Test the operation of each dispenser using coins. If all vend properly, the machine is ready for operation.



Motor Leads

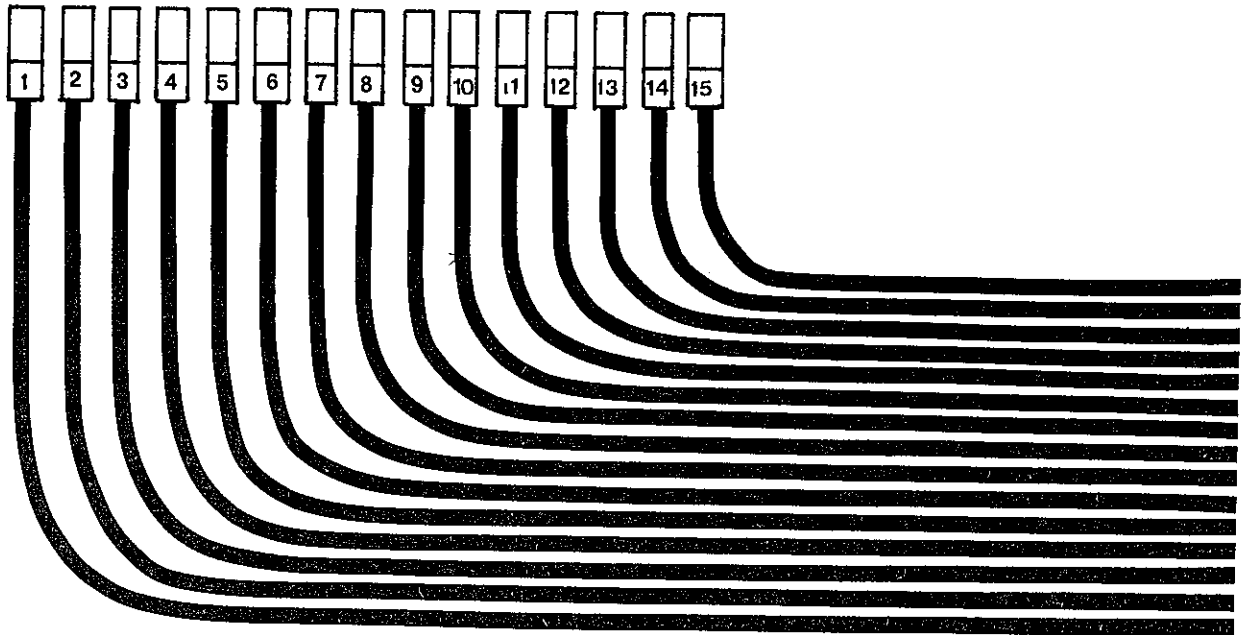


FIGURE 1

PRODUCT LOADING

All product loading of the SS-1500 is accomplished from the front. Using one of the two keys provided, open the door to the product loading compartment. There are two versions of the dispensers.

First to be considered is the wedge type bag dispenser.

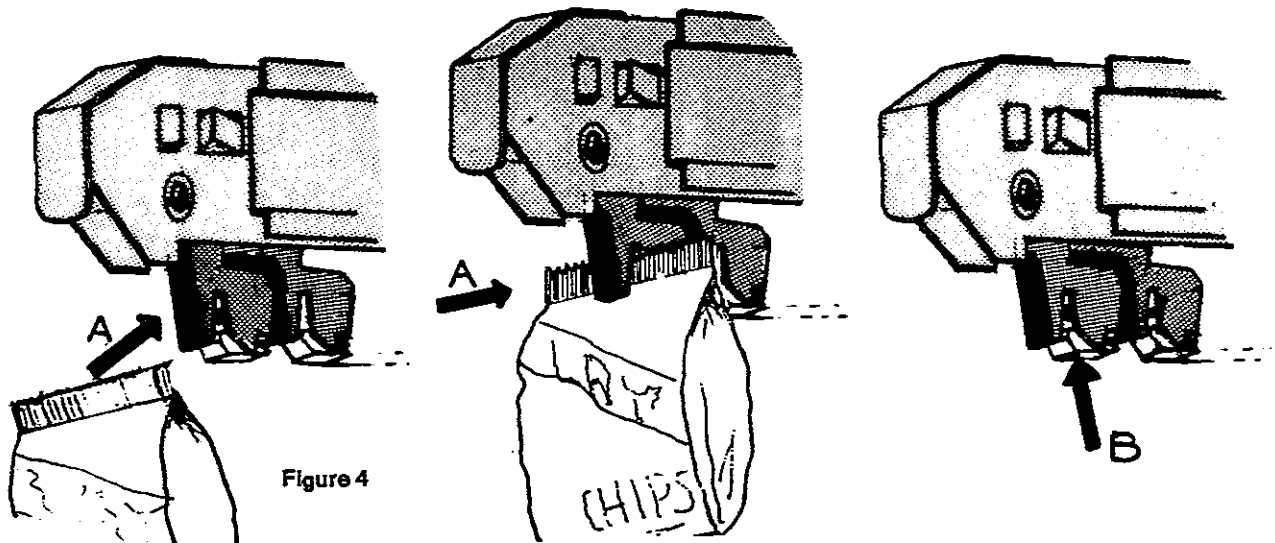
WARNING: DO NOT ATTEMPT TO PULL PRODUCT FROM THE BAG DISPENSER AT ANY TIME. SUCH ACTION WILL EITHER JAM THE MECHANISM OR PULL THE WEDGE ASSEMBLIES APART.

To load, release the latch on each dispenser as shown in FIGURE 4 and pull forward until the slide hits the stop. Each bag is now inserted into a wedge assembly as shown in FIGURE 2-A. This can be done many ways; however, there is a best way which consists of inserting the bag into the wedge at an angle and sliding the bag until centered in the wedge. Release products by pressing lever as in 2-B.

To load the candy module, release the latch and pull module slide forward to stop. Load the candy module by dropping the products into the individual dispensing cups. Since the dispensing cups rotate left to right, the product on the left should face forward, and the product on the right should face backward to assure proper fronting (SEE FIGURE 3).

With all dispensers, slide the loaded unit back into the machine until the latch snaps soundly into place.

fig. 2



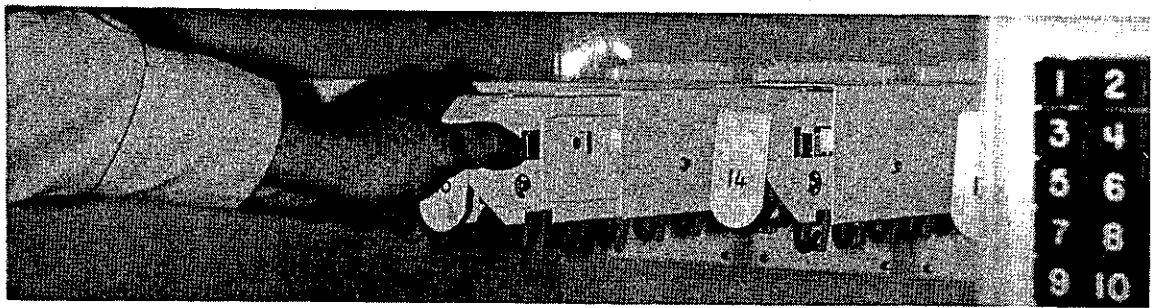
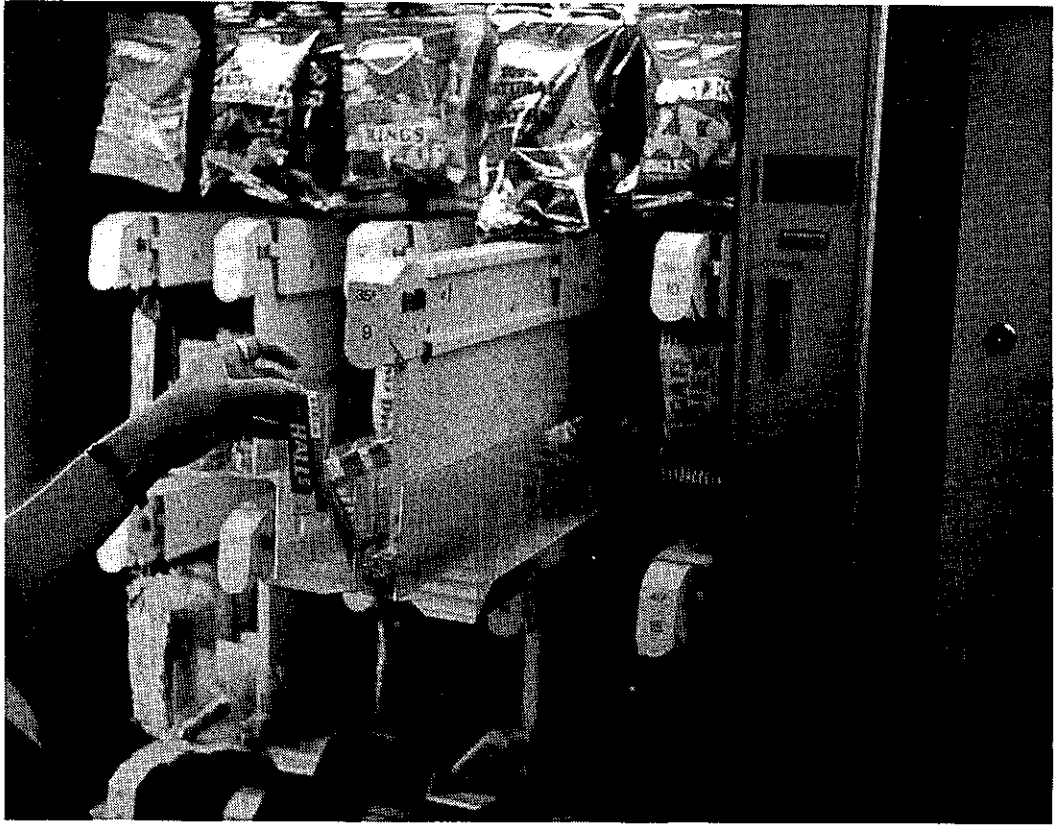


FIGURE 3



STORAGE COMPARTMENT

The storage compartment along the bottom of the machine (FIGURE 8) is opened with the same key that opens the product loading door. It provides a versatile locked area that can be utilized for convenient storage.

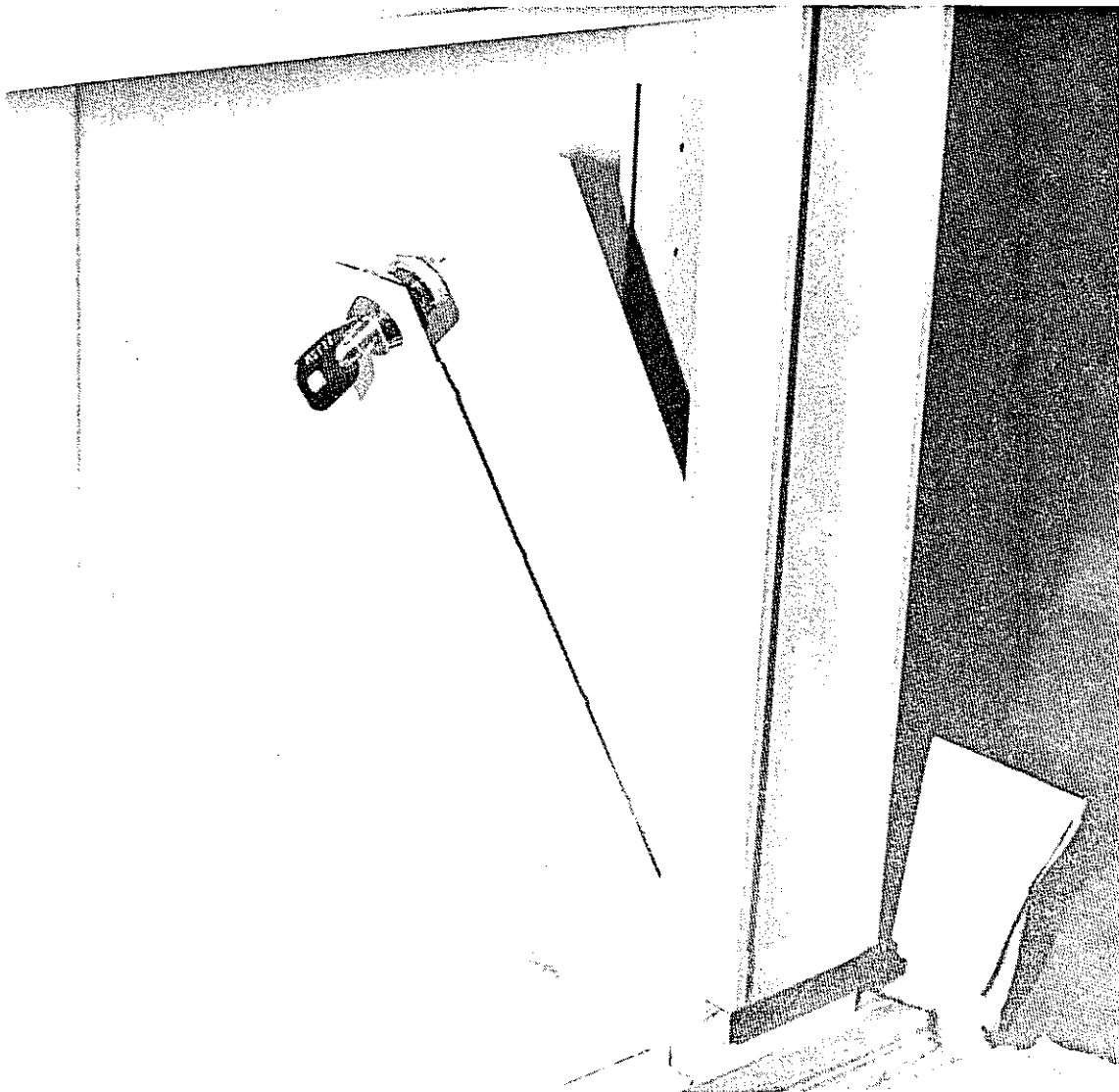


FIGURE 8

COIN COLLECTION

The coin bank is located in the right front corner of the storage compartment (FIGURE 8). To open, use key supplied that is numbered different from the access doors. Insert key, press in and rotate $\frac{1}{4}$ turn counterclockwise to unlock bank. Tilt out at top and lift out. Replace by reversing the above procedure.

DISPENSERS

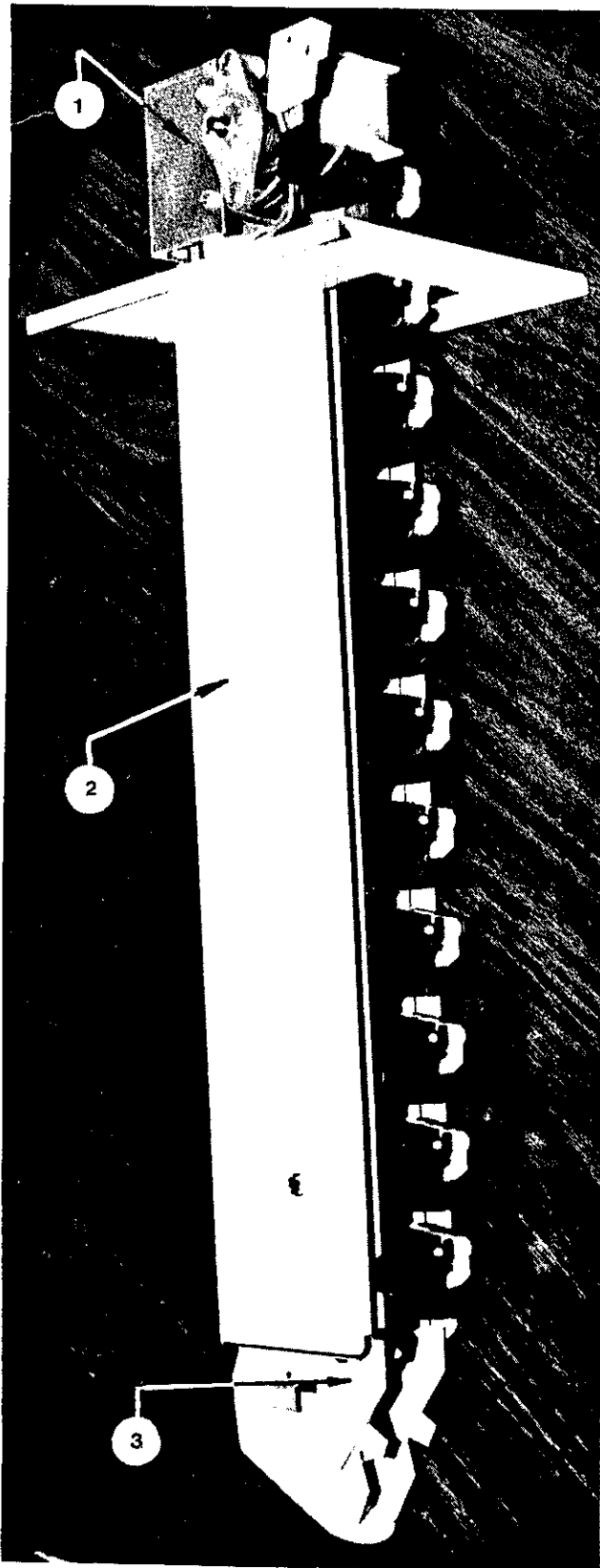
Polyvend
CONWAY, ARKANSAS



WEDGE MODULE

FIGURE 6 illustrates the wedge chain dispenser used in the SS 1500. It consists of:

- (1) Motor Assembly
- (2) Module Arm
- (3) Rack Module & Slide Assembly



When a product selection is made, an electric signal from the selector switch starts the motor, and a carry over circuit through the make-then-break switches of the motor completes the 180° rotation advancing the dispensing chain one step. As the leading chain segment moves around the front sprocket, the hook of the following segment acts as a lever to activate the white slide and lifter of the front segment, forcing the spring loaded cylinders upward (SEE FIG. 4B). This upward movement releases the wedged grip maintained on the merchandise bag, and the bag drops to the delivery compartment, completing the vend.

In a previous section on loading, a warning was given about pulling products out of the dispenser. If a brute force pull in a downward direction is used, it will cause the metal cylinders to seat against the plastic dispenser chain segment. The product cannot be released and the module may hang in cycle which causes the machine to be inoperative. A good indication of someone pulling on the bags is chain parts found laying loose in the machine. Even if less force is used, tolerances will be changed, causing eventual failure of the dispensing chain.

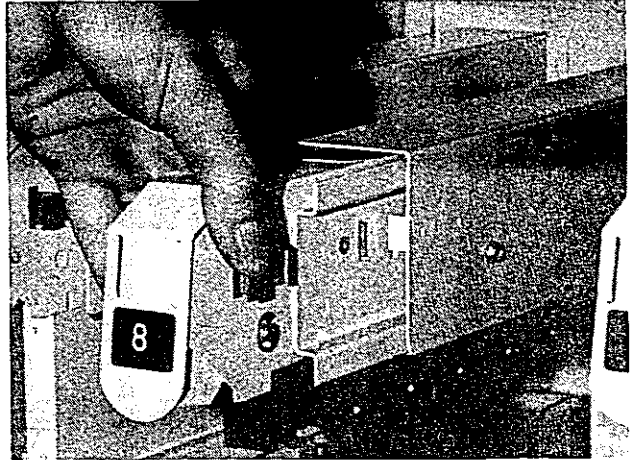
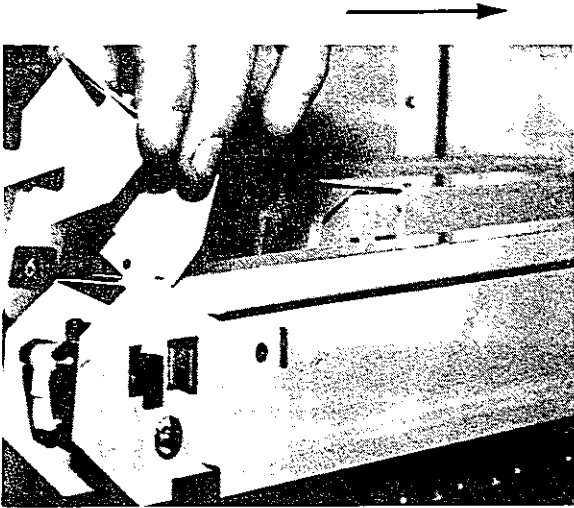
The correct way to remove product is actually easier, and consists of pushing up on the white-colored release lever immediately behind the product. This causes the product to fall into your hand without harming the dispenser.

There is a particular type of bag made of glassine material that cannot be vended with the Polyvend wedge chain. This is a coated material that covers the metal cylinders with wax causing the bags to fall out freely.

FIGURE 6
(WA THRU WN)

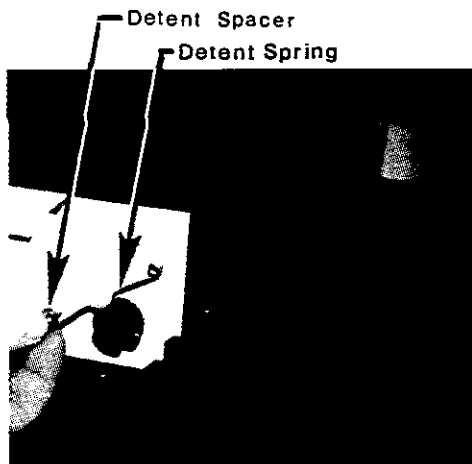
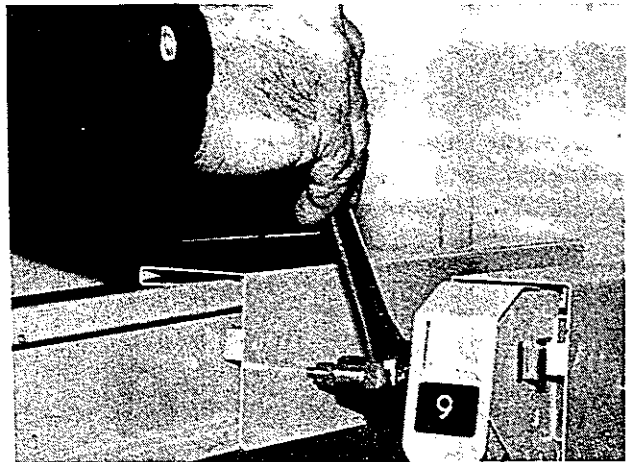
Occasionally, dispensing chains must be replaced or repaired. These chains are timed on installation and must be removed with care. FIGURE 10 shows the sequence of operations to accomplish this task.

- Release the latch on the dispenser and pull slide out to its stop. (FIGURE W A)

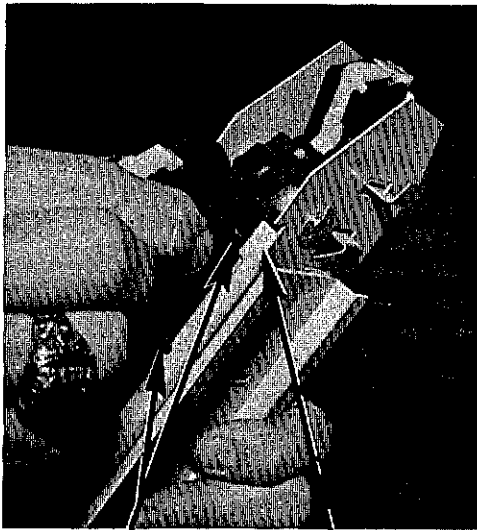


Remove the dispenser number and price cover. (FIGURE WB)

- Remove the screw from the side of the dispenser (FIGURE WC) which serves as the stop and pull slide from the machine.



- Release the detent spring by pushing the flat end down and pulling it out from under the detent spacer. (FIG. WD)

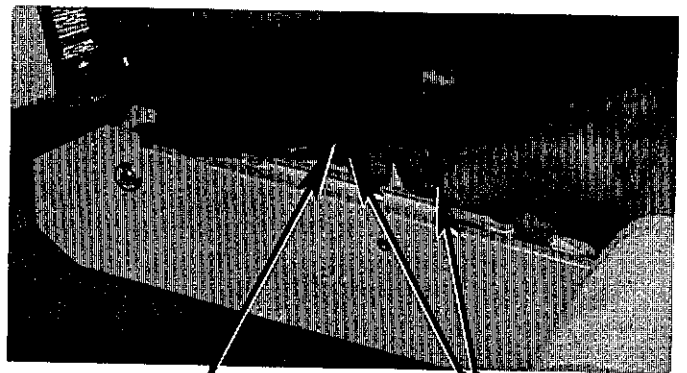


Support Pin Chain Support

- Point front end of slide up and grasp the chain with thumb and fingers. Pull the chain support pin up and over the chain support slide while rotating the chain backward to normal rotation. Repeat until eight (8) pins are on top of the slide, which will allow enough slack to unhook the chain. (FIG. WE)



- Unhook chain by grasping one link near the support pin and the next link near the snap connector - then gently twist the chain until it snaps loose. (FIG. WF)

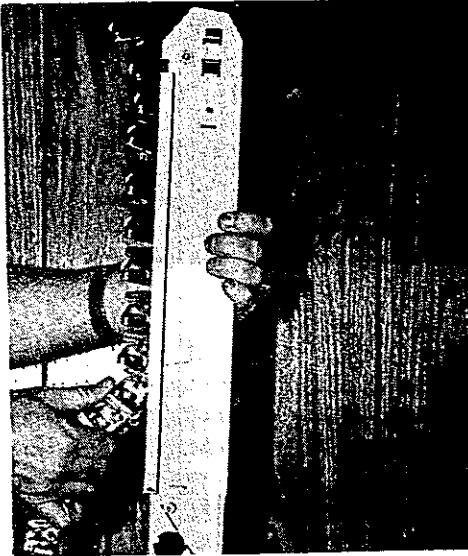


Support Pin Snap Connector



- Hold slide vertical with the front end up, and the chain will fall free of the inner portion of the slide (FIGURE WQ)





Still holding slide vertical, lift bottom of chain outward and away from the slide. Push upward. The chain should easily slide free. (FIGURE WH)

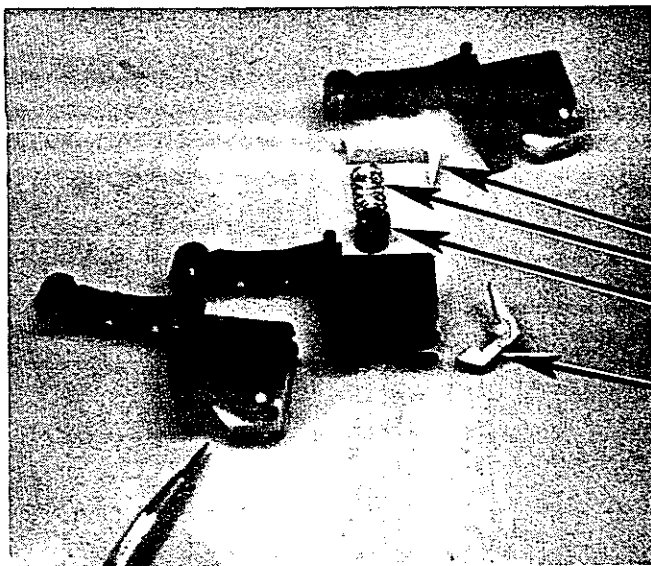


WEDGE ASSEMBLY REPAIR (FIGURE WI)

To repair the assembly and replace damaged components, remove the chain and snap out the damaged link.

This link is made up of the basic chain housing segment (Black), a cylinder lifter (White), a slide (White), two cylindrical wedge components and a compression spring. (FIGURE WI)

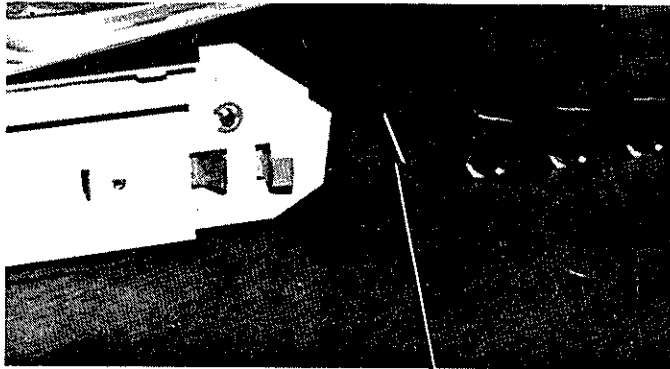
To disassemble, hold the link between both hands and push the cylinder lifter stub shafts outward with both thumb nails. It will pop out (retain with fingers) and may be removed. Next, the slide may be removed. Take care the compression spring isn't lost as the slide is removed. Now, the spring will fall free and the cylindrical wedge components will follow when the link is inverted. When reassembling the lifter, be sure the "flat" edge is against the cylindrical wedge and not against the slide.



All that remains is to reassemble using replacement parts as necessary. When the link has been repaired, snap it back on the chain.

— SLIDE
— SPRING
— CYLINDRICAL WEDGE
— LIFTER

FIGURE WI

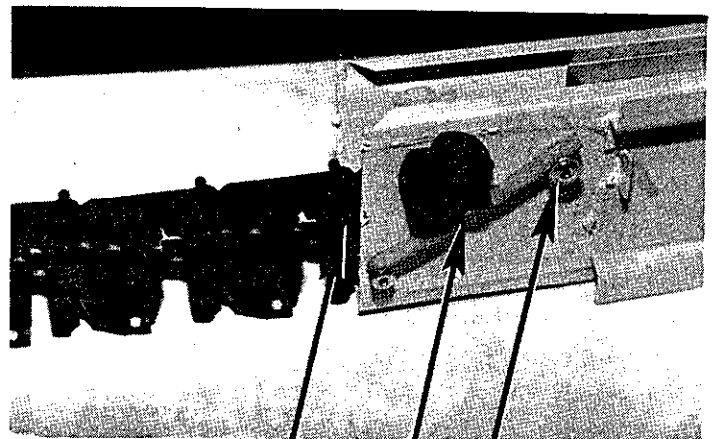


Snap Connector

- To replace chain, lay dispenser on it's top and insert the chain end through the front of the module. (The snap connector end must be inserted from the front as shown or chain rotation will be wrong). Continue pushing the chain through the dispenser until equal lengths of chain are sticking out each end.(FIG. WJ)



To time the chain, re-engage the detent spring by turning the sprocket to the detent position and pushing the detent spring end under the detent spacer. Align a support pin with the back edge of the module. (During the next step, be careful NOT to move the chain forward or backward as this would misalign the support pin and therefore chain timing would be wrong). (FIG WK)



Support Pin

Detent Spacer

Sprocket Detent

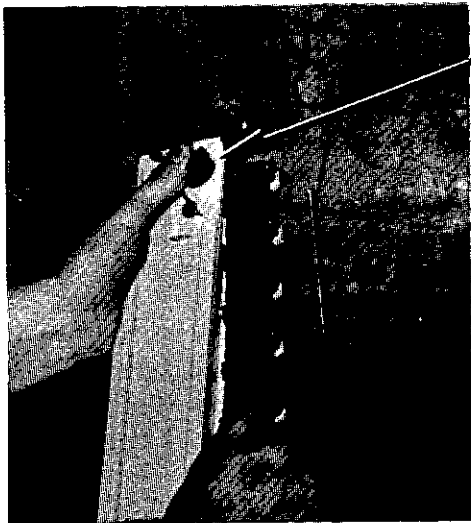


Snap Connector

Slide

- Grasp both ends of the chain and pull it over the bottom of the module. Push the white color slide out of the way and push the snap connector onto the support pin. (FIG. WL)



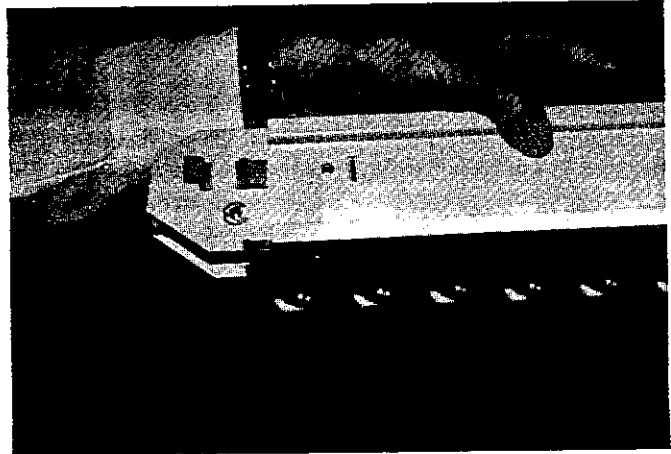


Detent
Sprocket

- To place the chain guide pins in the chain support slide, grasp the chain with one hand and rotate it in the direction of normal rotation, while holding the detent sprocket in with one thumb. (FIGURE WM)



- Continue pulling the chain until 3 complete revolutions have been made. With the detent spring in the detent position, the leading chain segment will be in the position shown if the timing is correct. (FIGURE WN)

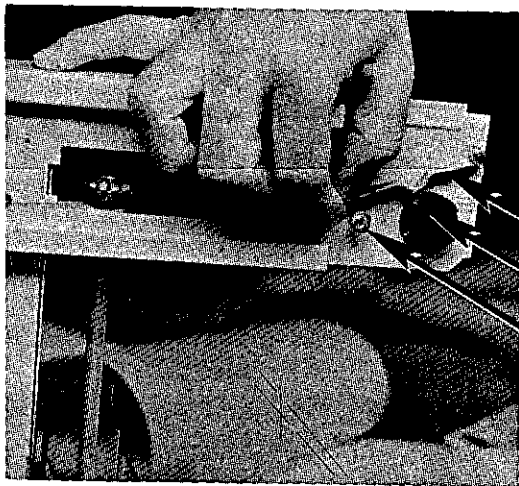


CANDY MODULE (CONFECTIONARY)

FIGURE 9 (CA THRU CP)

The candy dispenser slide assembly is removed from the machine in the same way that the chain slide assembly is removed. Just withdraw the stop screw and slide the assembly out of the machine.

CUP AND PLASTIC CHAIN REMOVAL



Detent Spring

Sprocket Detent

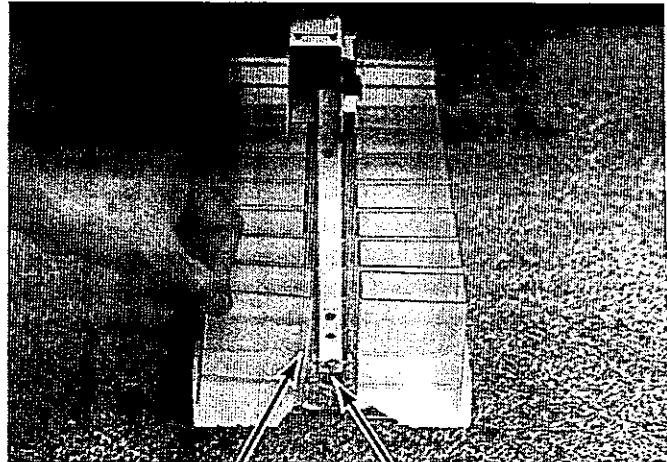
Detent Spacer

Release the detent spring by pushing the flat end away from the detent spacer and pulling the spring out from under the spacer. (FIGURE CA)

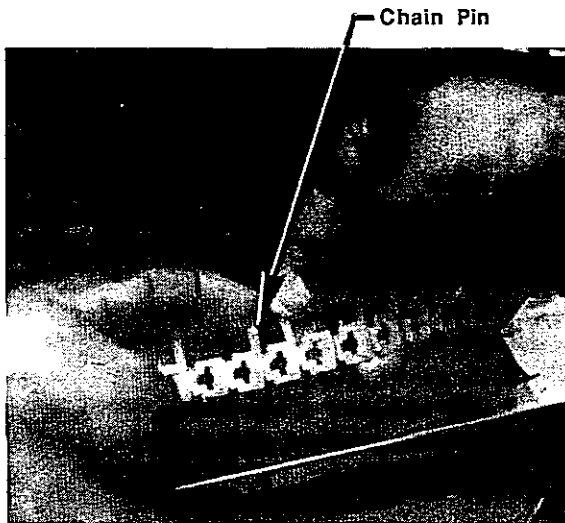




Pull upward on the cups
and they will snap loose.
After all cups are removed,
the chain can be removed by
twisting the chain until
it unsnaps. (FIGURE CD)

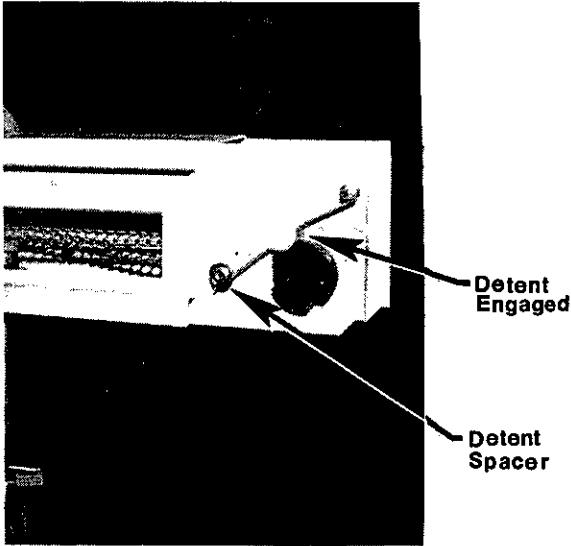


Cup Connector — Chain Pin



After all cups are removed,
the chain can be removed by
placing a finger behind the
top pin on one link while
pushing the pin on another
link with a thumb. The chain
will snap apart. All damaged
links can be replaced with
new ones. (FIGURE CE)

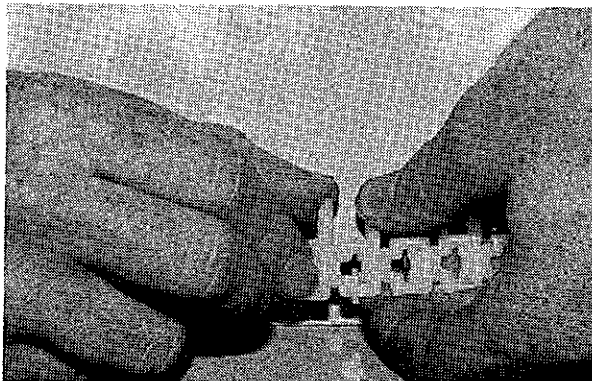
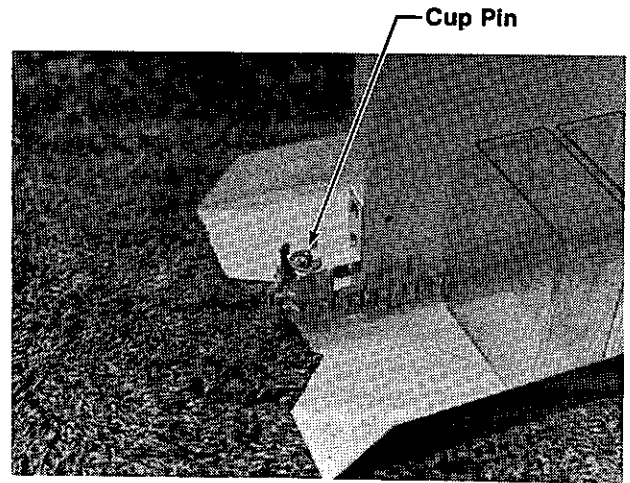
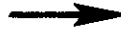




After repairing the chain, reassemble all components, making sure there are 44 cup retainer links and 22 plain links. Then, to reassemble, turn the sprocket to the detent position and reengage the detent spring by pushing the spring end around and under the detent spacer. (FIG. CF)

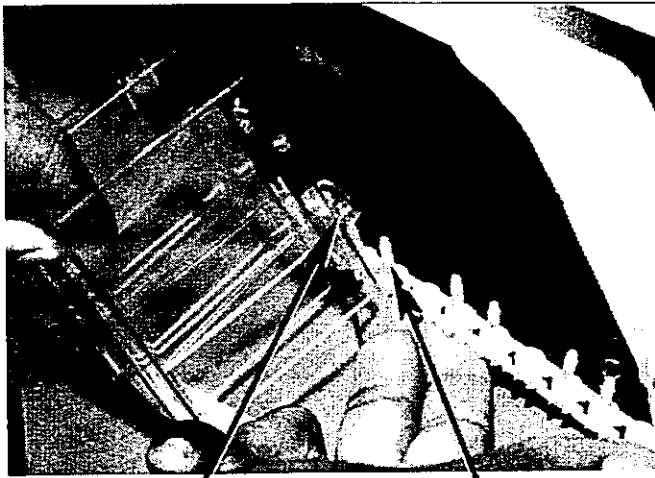


Place the chain around the front sprocket and align a pair of cup pins opposite each other, as shown. (This will assure proper timing of the cups when the chain is snapped together.) Without moving the front sprocket, pull the chain tight and wrap it around the back sprocket. (FIG. CG)



With the detent spring engaged, and the cup pins aligned opposite each other, snap the chain together. (FIG. CH)



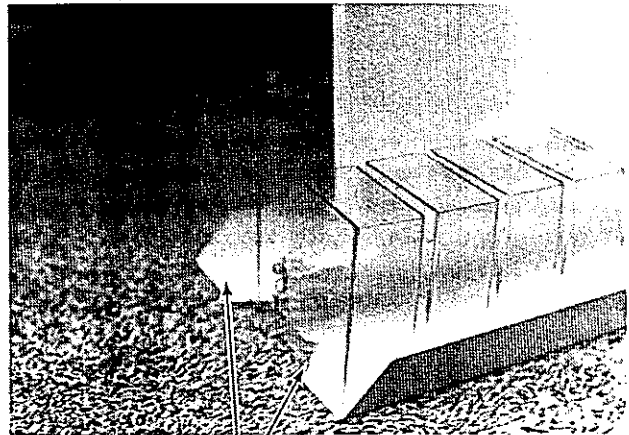


— Cup Mounting Tab — Chain Pin

To replace dispensing cups, snap the cups back on the chain pins. For easier installation, place two fingers under the chain while pushing the cups on with the other hand. Be sure the cups are pushed all the way down on the chain. (FIGURE CJ)



After all cups are replaced, check for proper timing. (The module is timed correctly when the detent spring is engaged and the front cups are parallel to each other. (FIG. CK)



— Correct Timing

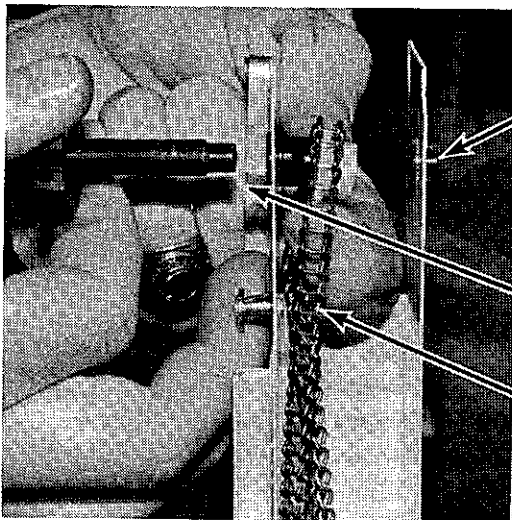
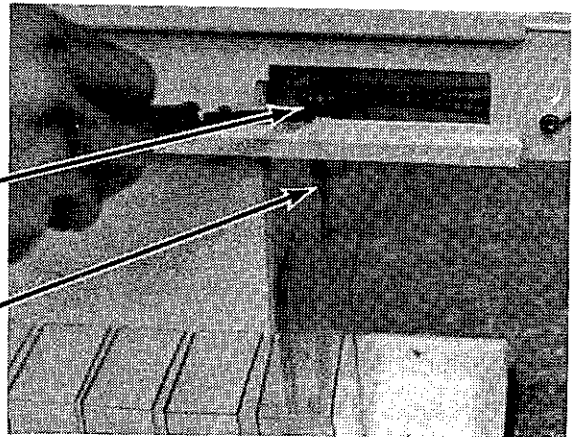
Re-install the candy module in the machine and tighten the stop screw on the side of the module arm. (SEE FIGURE CA)

LADDER CHAIN REMOVAL AND REPLACEMENT

To replace the metal ladder chain, pry the drive sprocket off the vertical shaft. The chain will hang free from the back drive sprocket. (FIGURE CL)



Drive Sprocket
 Vertical Shaft



Bushing
 Shaft
 Chain

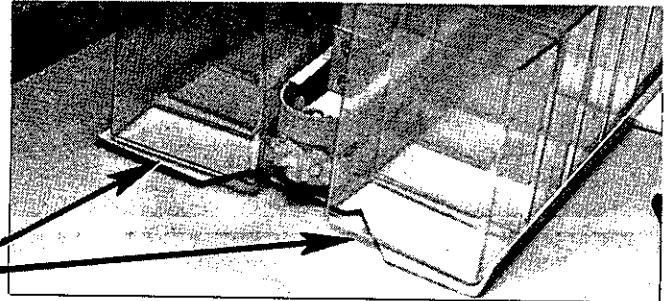
To remove the chain from the sprocket shaft, pull the back sides of the slide module apart, allowing the sprocket shaft to slide out of the bushing. The chain will drop off the shaft. Place the new chain on the back drive sprocket and push the sprocket shaft through its bushing. (FIGURE CM)



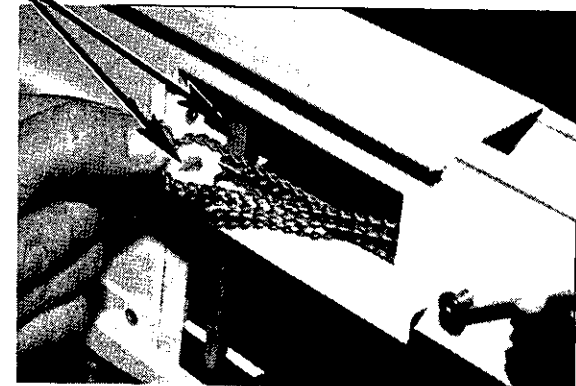
To time the module, position the cups so the two front cups are parallel, and be sure the detent spring is engaged. (FIGURE CN)



Cups



Flat side

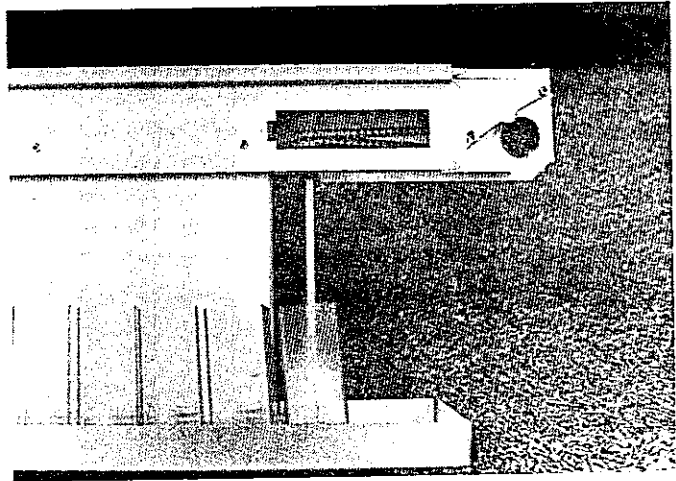


To re-install the drive sprocket on the vertical shaft, hold the sprocket so the flat side of the sprocket shaft hole is facing the flat side of the shaft. Pull the chain through the slide access hole and "twist" the chain $\frac{1}{2}$ turn and place it on the sprocket. (The chain must be "twisted" as shown or the cups will rotate backward. (FIG. CO)



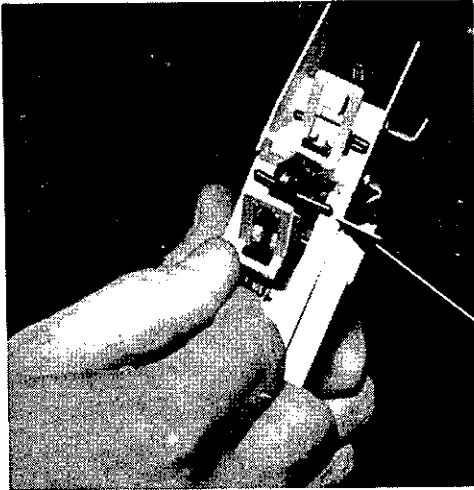


with the chain around the sprocket, place the sprocket on the vertical shaft. Be sure the sprocket is pushed down all the way on the shaft. (FIGURE CP)



Reinstall the module in the machine, tighten the stop screw, and cycle the machine 3 times. If the timing is not correct or if the module operates backward, repeat steps CL, CN, CO and CP.

NOTES

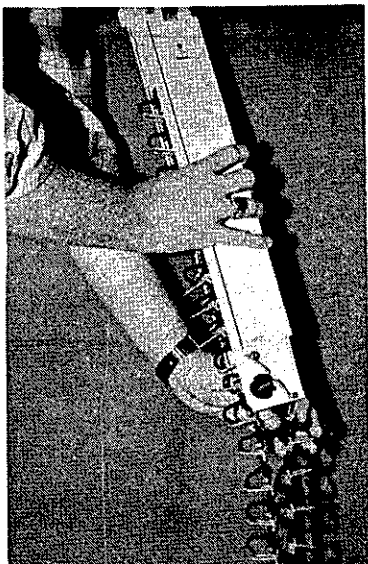
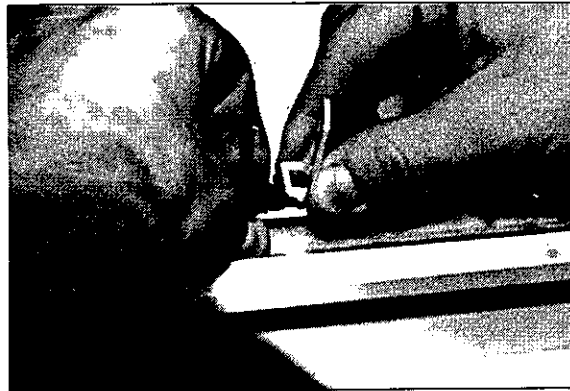


Hold the front end of slide up with one hand and grasp the chain hook with the other hand. Pull the chain support pin up and over the chain support slide while rotating the chain opposite to normal rotation. Repeat until eight (8) pins are on top of the slide, (this will allow enough slack to unhook the chain.) (FIGURE HE)



Support Pin

Unhook the chain by laying the slide module on a work surface with the front end pointing right. Place left thumb under a support pin while placing fingers on top of the other end of the support pin. Grasp gray colored retainer link with right hand and gently twist the chain until it unsnaps. (FIGURE HF)



Hold slide vertical with the front end up, and the chain will fall free of the inner portion of the slide. (FIGURE HG)

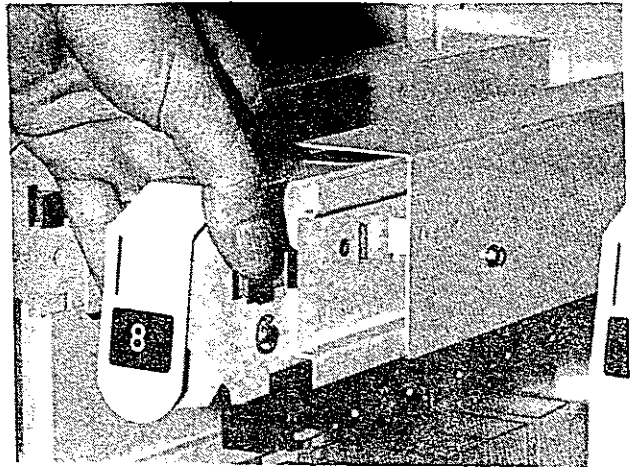
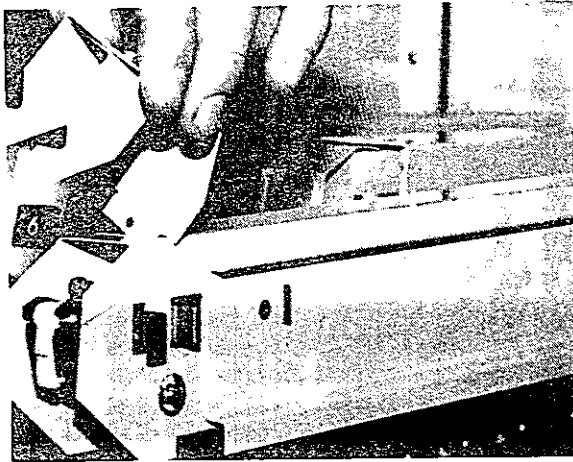


HOOK DISPENSERS

The hook dispenser is ideal for products that have a hole pierced in the packet. A hole tab can be purchased that has adhesive on it that sticks to the packet. Using this hole tab makes it possible to easily hang snacks and many other products on the hook chain.

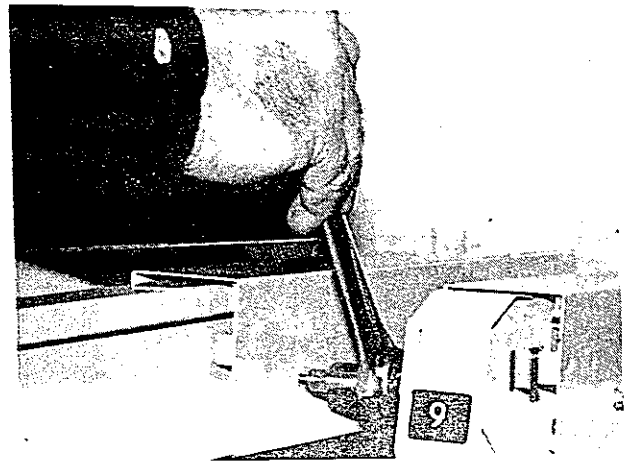
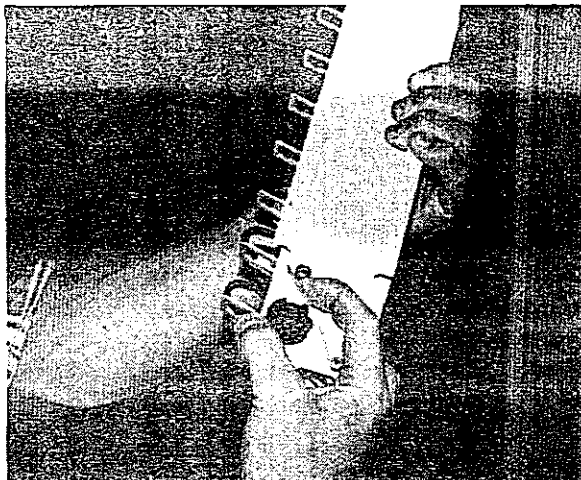
If it becomes necessary to replace or repair these chains, follow the sequence of operations in FIGURE 10 (HA THRU HL).

Release the latch on the dispenser and pull slide out to its stop (FIGURE HA). →



← Remove the dispenser number and price cover (FIGURE HB).

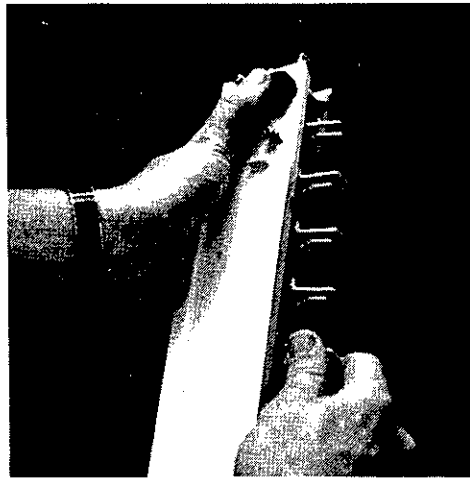
Remove the screw from the side of the dispenser (FIGURE HC) which serves as the stop and pull slide from the machine. →



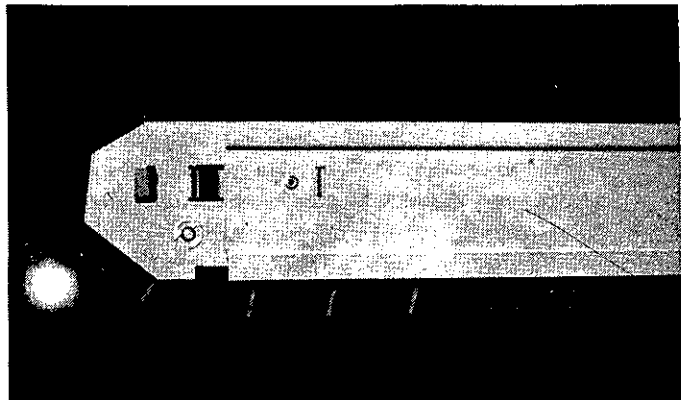
← Release the detent spring by pushing the flat end away from the detent spacer and pulling it from under the spacer. (FIGURE HD)

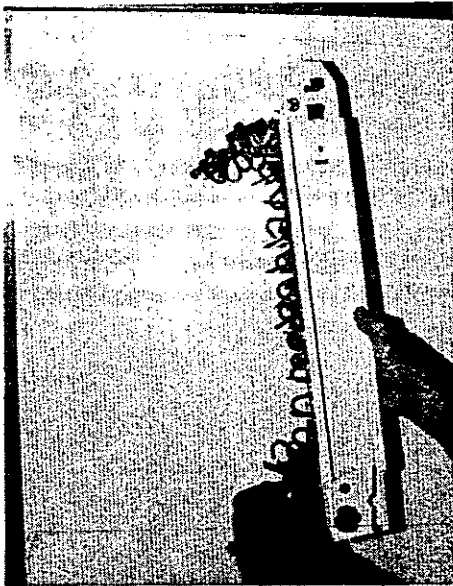


Grasp the chain with one hand while holding the module with the other hand. Place thumb on sprocket to prevent it from coming out of the bushing and pull the chain in the direction of normal rotation. This will reengage the chain support pins in the chain slide. (Do not rotate the chain backward to normal rotation as this would break the support pins.) (FIG. HK)



Continue pulling the chain until three (3) complete cycles have been made. If the timing is correct, the chain will be in the position shown when the detent spring is in the detent position. (FIGURE HL)



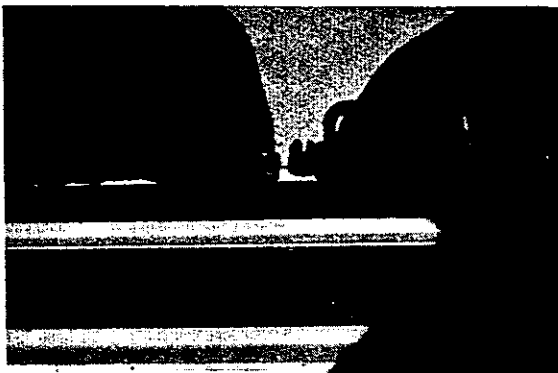
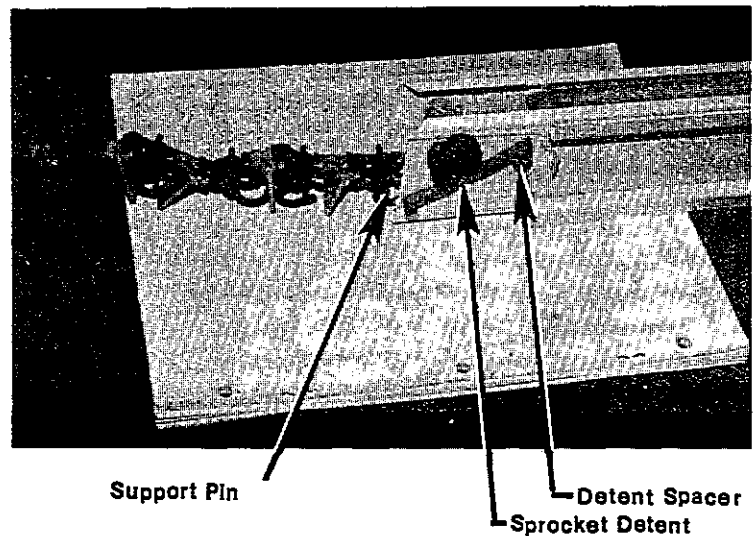


Still holding the slide vertical, lift bottom of chain outward and away from the slide. Push upward. The chain should easily slide free. (FIGURE HH)



After repairing chain, reassemble all components, making sure the chain has 28 of each link. (28 chain links, 28 plain links, and 28 retainer links.)

To replace chain, lay module on its top, reengage detent spring by turning the detent sprocket to the detent position and then pull the spring up and over the detent spacer. Route the chain through the back of the module with the hooks pointing forward as shown. Continue pushing the chain through until equal lengths are sticking out both ends and a support pin is even with the end of the module. (FIGURE HI)



To properly time the chain, keep a support pin even with the back of the module, while pulling the chain ends up and over the module. Place the snap connector on the chain slide, then press the gray link into the snap connector. (FIGURE HJ)



VEND OPERATION

The Four Price Merchandiser's basic vending operation is depicted below:

- A-Depositing coins establishes credit circuits (1 to 4) in the coin mechanism. The ones established are determined by the price setting and amount of coins desposited.
- B-When a selection button is depressed and sufficient credit is established for that price setting in the coin mechanism, the corresponding price line circuit is completed through the coin mechanism and terminal board to the dispense motor selected.
- C-The dispense motor starts its rotation which actuates its snap-action switches.
- D-The inside (#1) motor switch breaks the series circuit to the selector switch and makes one side of the 24 volt circuit to the motor coil.
- E-The outside (#2) motor switch breaks line 6 to the coin mechanism - clearing it and makes the other side of the 24 volt circuit to the motor coil.
- F-The dispense motor rotates 180° until the motor switches are de-actuated by its cam. The product is delivered and the series circuits to the selector switch and line 6 (crem coils) of the coin mechanism are again made ready for the next vend.

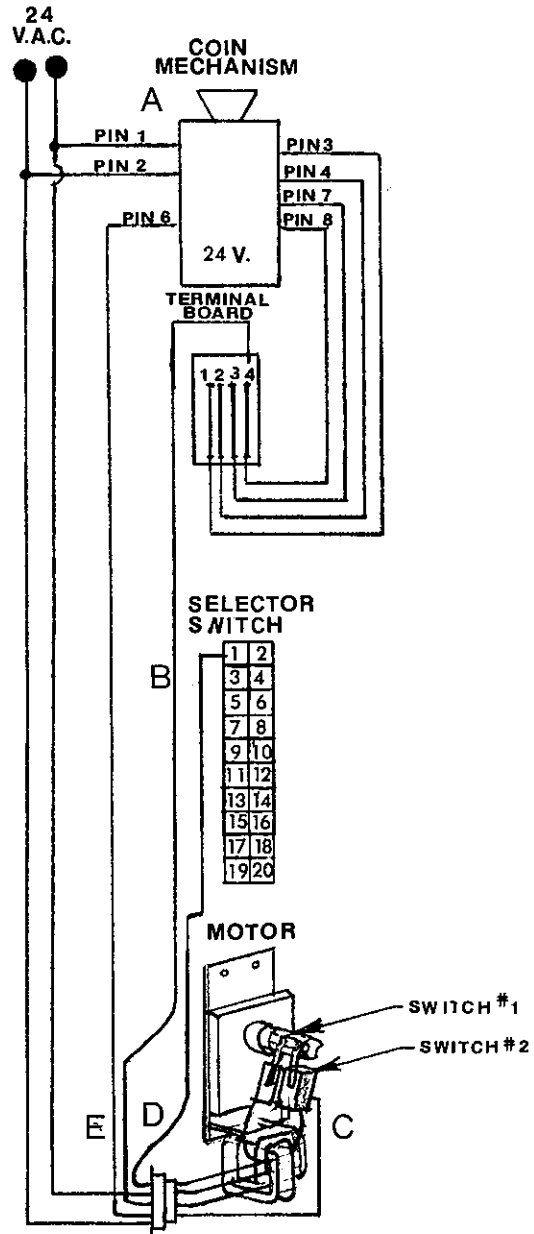


Fig.1

SELECTOR SWITCH

The 15 button selector switch is mounted inside the right front of the product compartment behind the sliding electrical compartment door. It may be removed by backing out four phillips head screws and disconnecting it from the control box.

PRODUCT DELIVERY COMPARTMENT

This sub-assembly, including the "push" plastic door, may be removed from the front of the machine thru the storage compartment. This may be accomplished as follows:

Remove display compartment bottom. (5 screws)

Remove left fluorescent.

Remove the left side panel. (6 screws)

Remove the right side panel and sliding door.

Remove 3 screws on the front inside edge of the delivery compartment. Note: Support the compartment while removing the last screw to prevent dropping.

Lift up compartment to release it and lower it into the storage compartment.

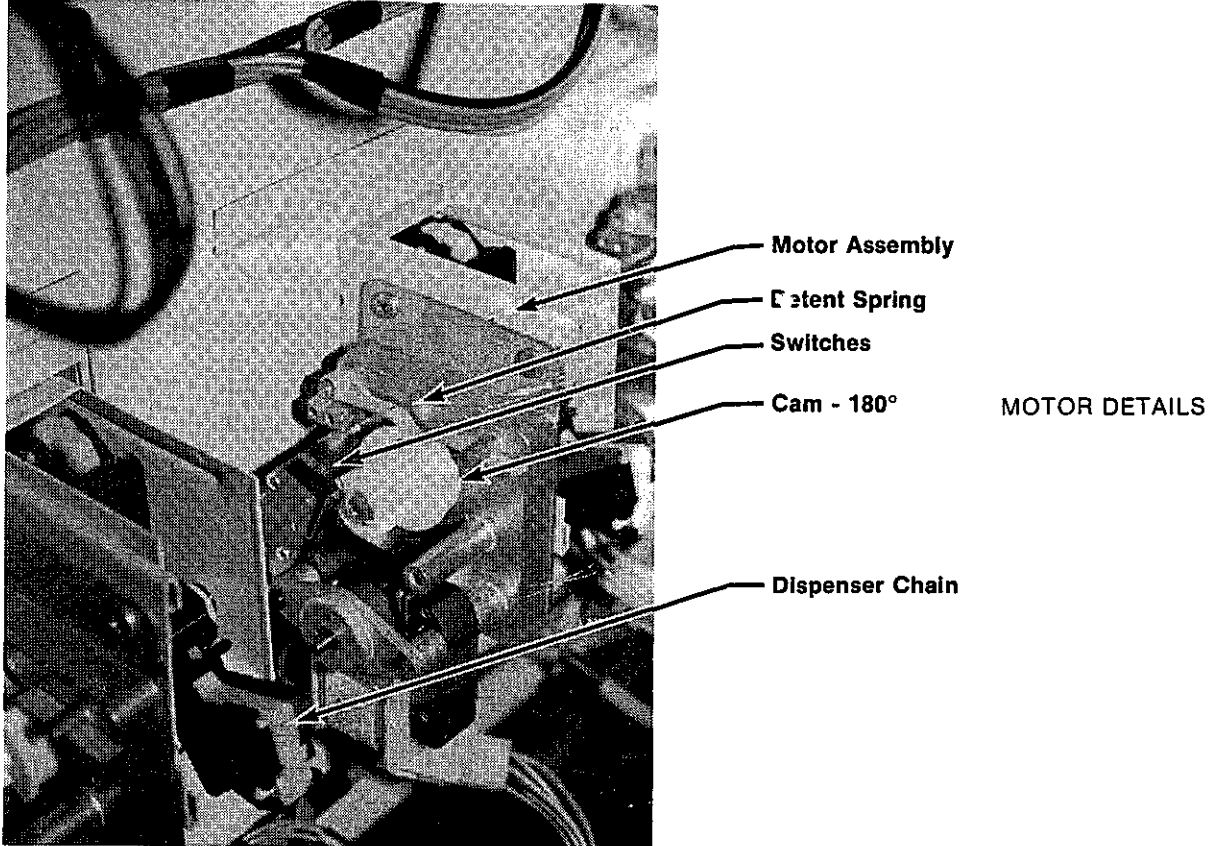
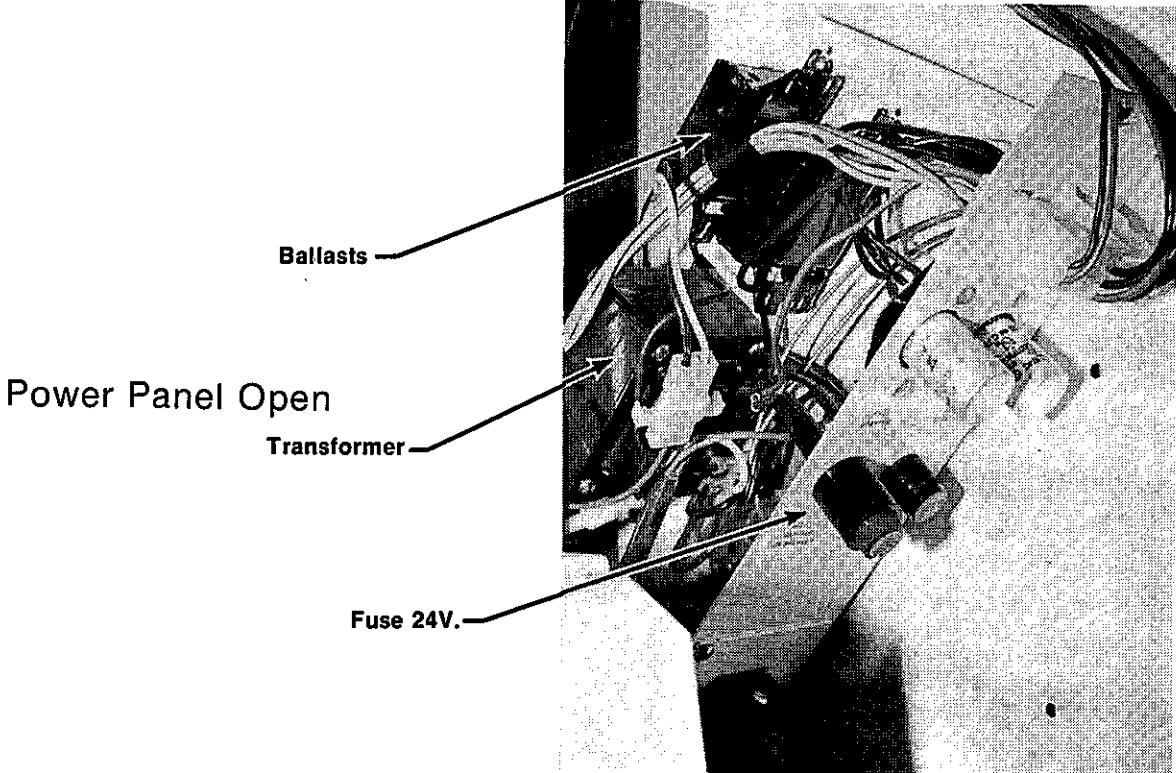
Open storage compartment and remove.

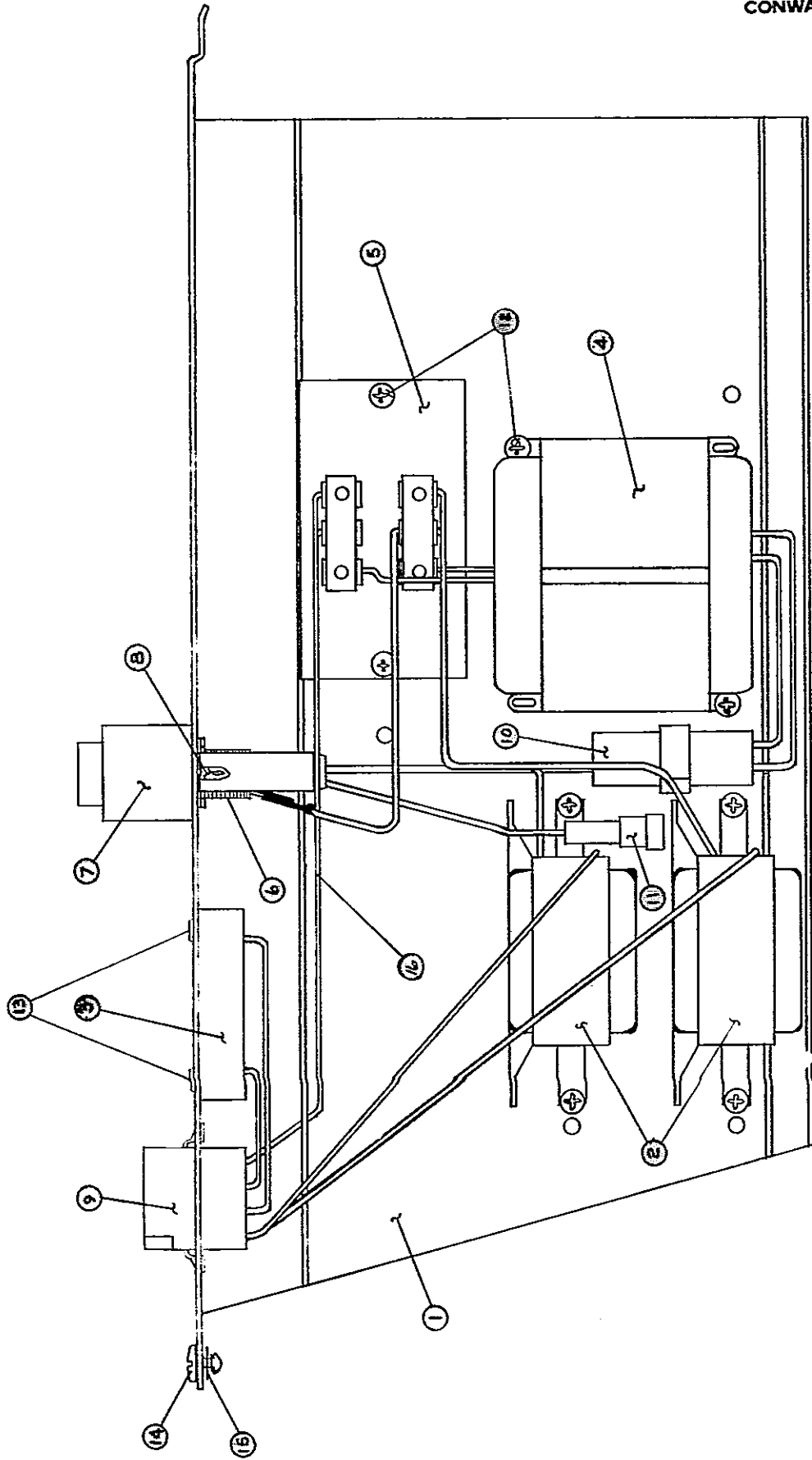
Reverse procedure to replace.

REAR ACCESS COVER

A large access cover is provided on the rear of the SS-1500. Its major purpose is to permit access to the wiring harness in the rear of the machine. To remove it, withdraw two screws accessible through holes above dispensers #1 cover from falling off when screws are removed.

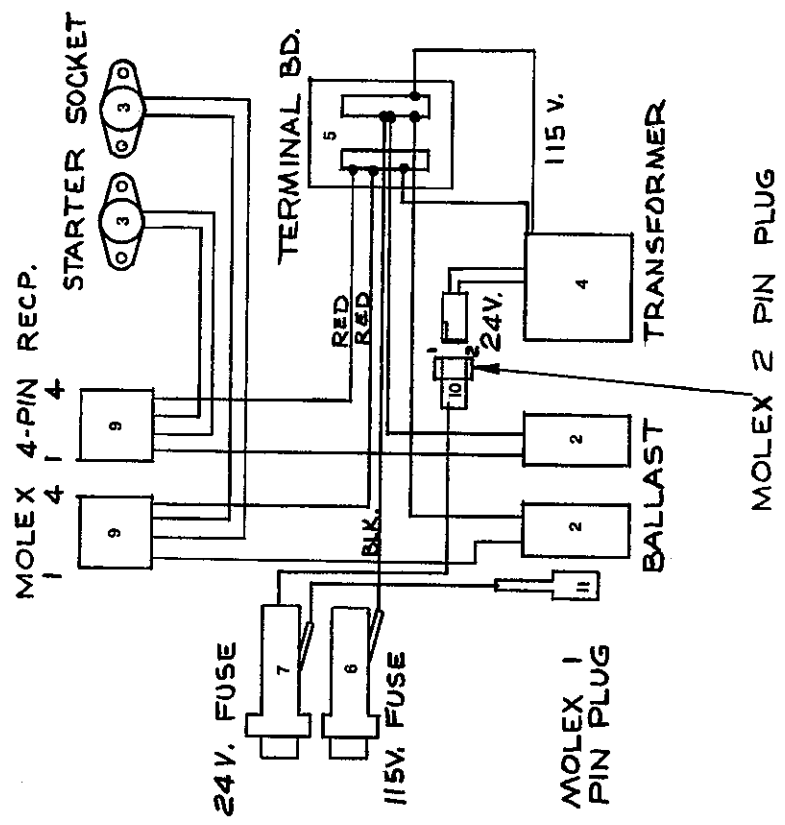
Replace in reverse order. Note: Use of a magnetic screwdriver facilitates replacement.





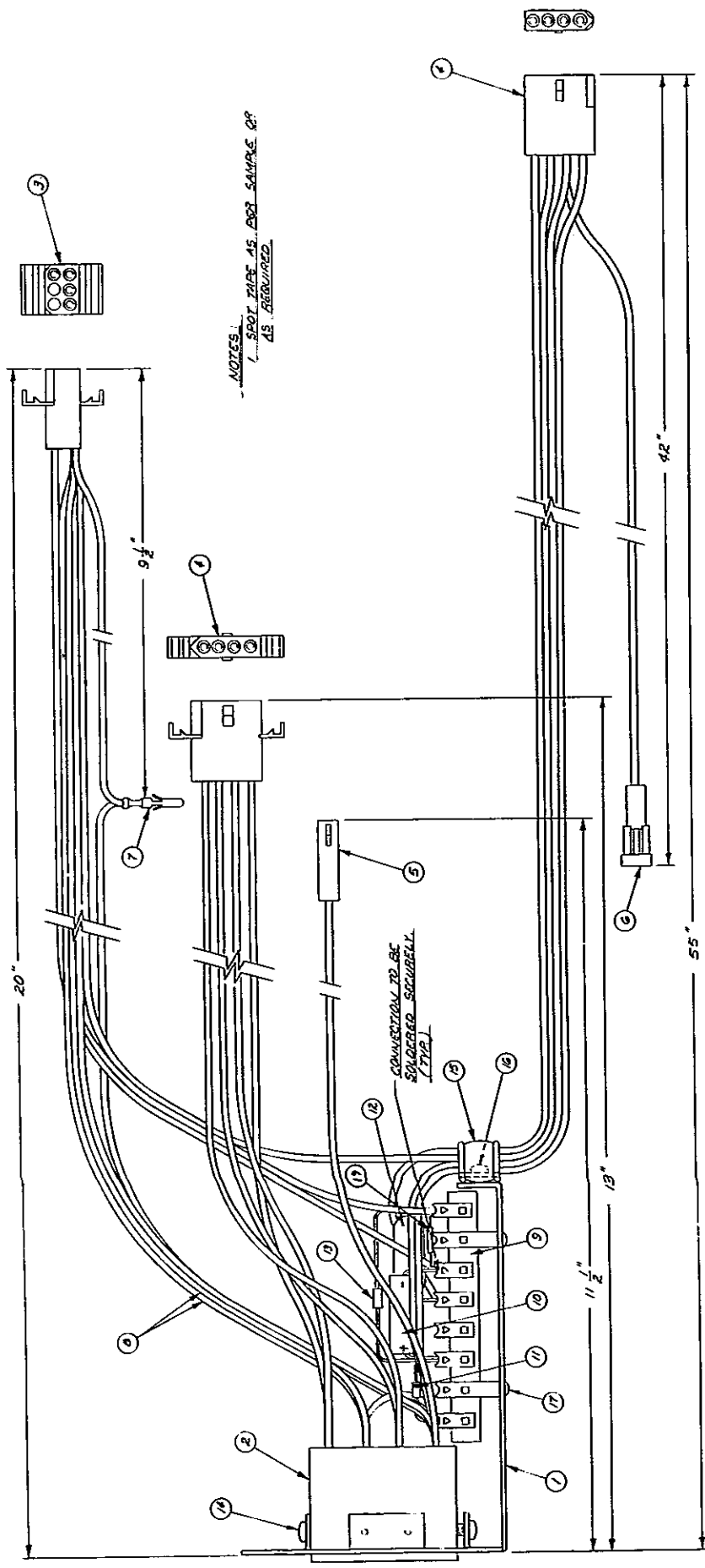
Power Panel Complete 12693

ITEM	QTY	PART NO.	DESCRIPTION
1	1	12706-01	Panel-Power
2	2	104	Ballast-115Volt
3	2	1466	Socket-Starter
4	1	1565	Transformer with receptacle
5	1	1652	Board-Terminal
6	1	996	Fuseholder - 115 Volt
7	1	1487	Fuseholder - 24 volt
8	1	1489	Clip-Mounting
9	2	4839	Receptacle - 4 pin
10	1	4844	Plug - 2 pin
11	1	4842	Plug - 1 pin
12	8	1298	Screw
13	4	302	Screw
14	1	12667	Fastener - 1/4 Turn
15	1	12668	Retainer - Fastener
*	8		Female Term.
*	2		Male Term.
*	8		.250 Quick Dis-connect
*	1	12671	Decal - Starter
*	1	12672	Decal - Fuse
16	Typ.		(Red) 20 AWG 7/28B.C. .023" PVC-SAE-GBT
*	1	222	Fuse 2 Amp (115V Holder)
*	1	1488	Fuse 3.2 Amp (24 Volt Holder)



Wiring Sketch ITEMS 2,3,4,5,6,7,9,13,11

* NOT SHOWN

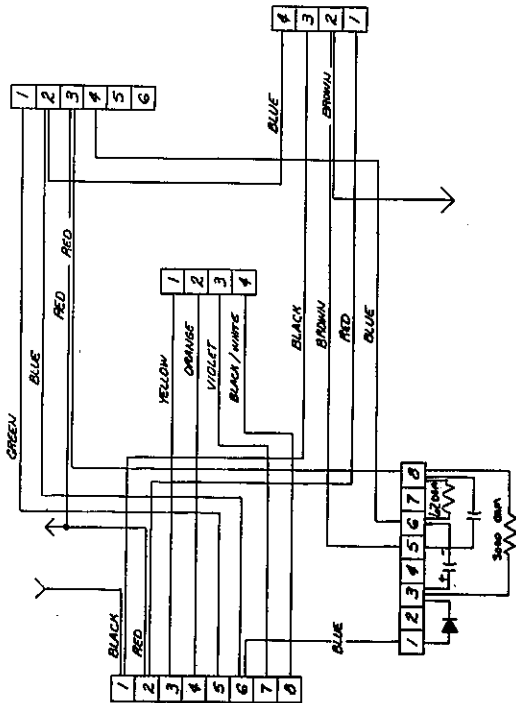


12686

Harness - Jones Plug

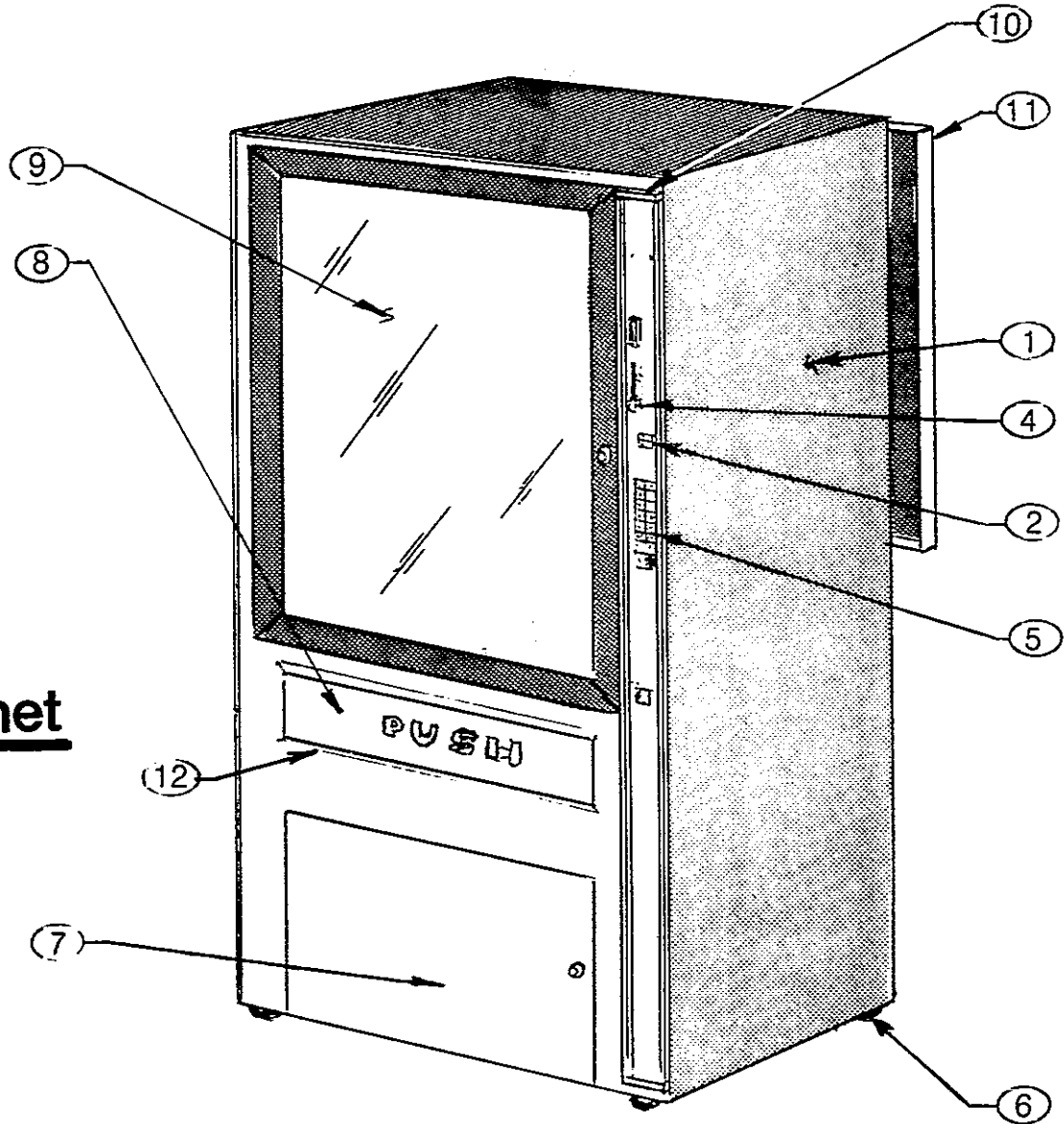
(Mounts to bottom of power panel)

WIRING DIAGRAM



ITEM	PART NO.	DESCRIPTION
1	12702-01	Bracket - Jones Plug
2		Jones Plug - Molex Part No. 738
3		Receptacle - Molex Part No. 1261 W/4 #1189 Fem Term.
4		Receptacle - Molex Part No. 1490 W/4 #1189 Fem. Term.
5		Receptacle - Molex Part No. 1619 W/1 #1189 Fem. Term.
6		Plug - Molex Part No. 1619 W/1 #1190 Male Term.
7		Male Term. - Molex Part No. 1190
8		Wire - 20 AWG 7/28" B.C..023" PVC-SAE-GBT
9		Lug - Type Terminal Strip, Allied Part No. 868-0858
10		Capacitor 100 UF @ 50V (Aluminum Electrolytic)
11		Diode, Part No. 1N4001
12		Capacitor 0.1 UF @ 100
13		Resistor - 3000 OHM, 1 Watt
14	302	Screw, Mach. #6-32
15	4332-02	Clamp, Cable 3/8
16	1868	Screw, #8
17	729	Rivit - Pop
18	not shown	.016 Terminal (For #738 Recp't)
19		Resistor - 62 OHM, 1/2 watt

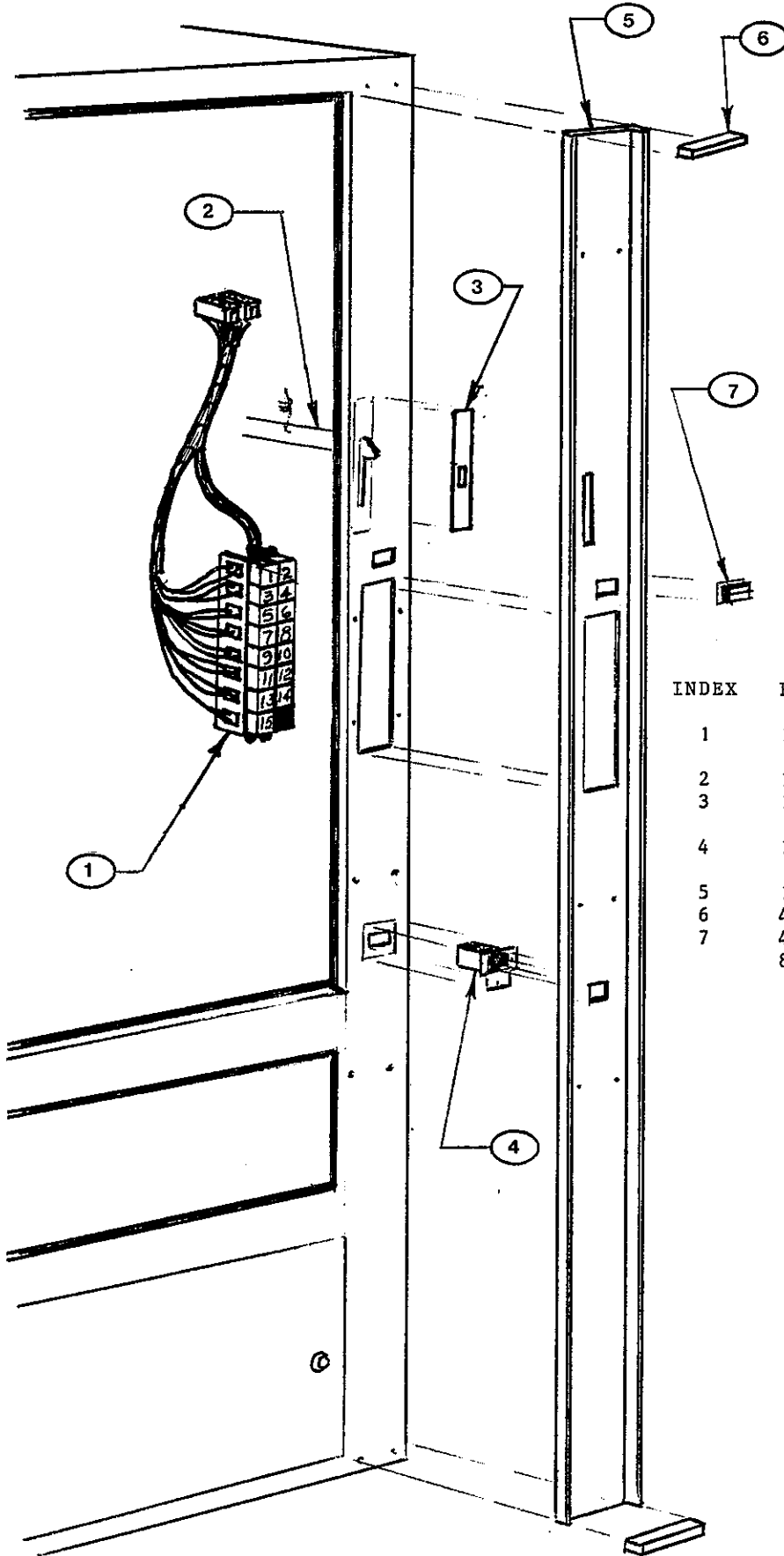
Cabinet



INDEX	PART NO.	NOMENCLATURE
1	11009-*	Outer Shell
2	8613	Indicator Lamp
	4015	Change & Select Lamp
4	11031	Reject Lever Assembly
5	11056	Selector Switch Assembly
6	295	Leg Equalizer
7	Specify on pg. 45 or 46	Storage Compartment Door
8	Specify on pg. 32	Delivery Compartment Asy
9	Specify on pg. 33 or 34	Service Door Asy
10	4960	Trim Cap
11	11027-*	Rear Door
12	4988	Trim Set (Black)
	1948	Trim Set (Silver)

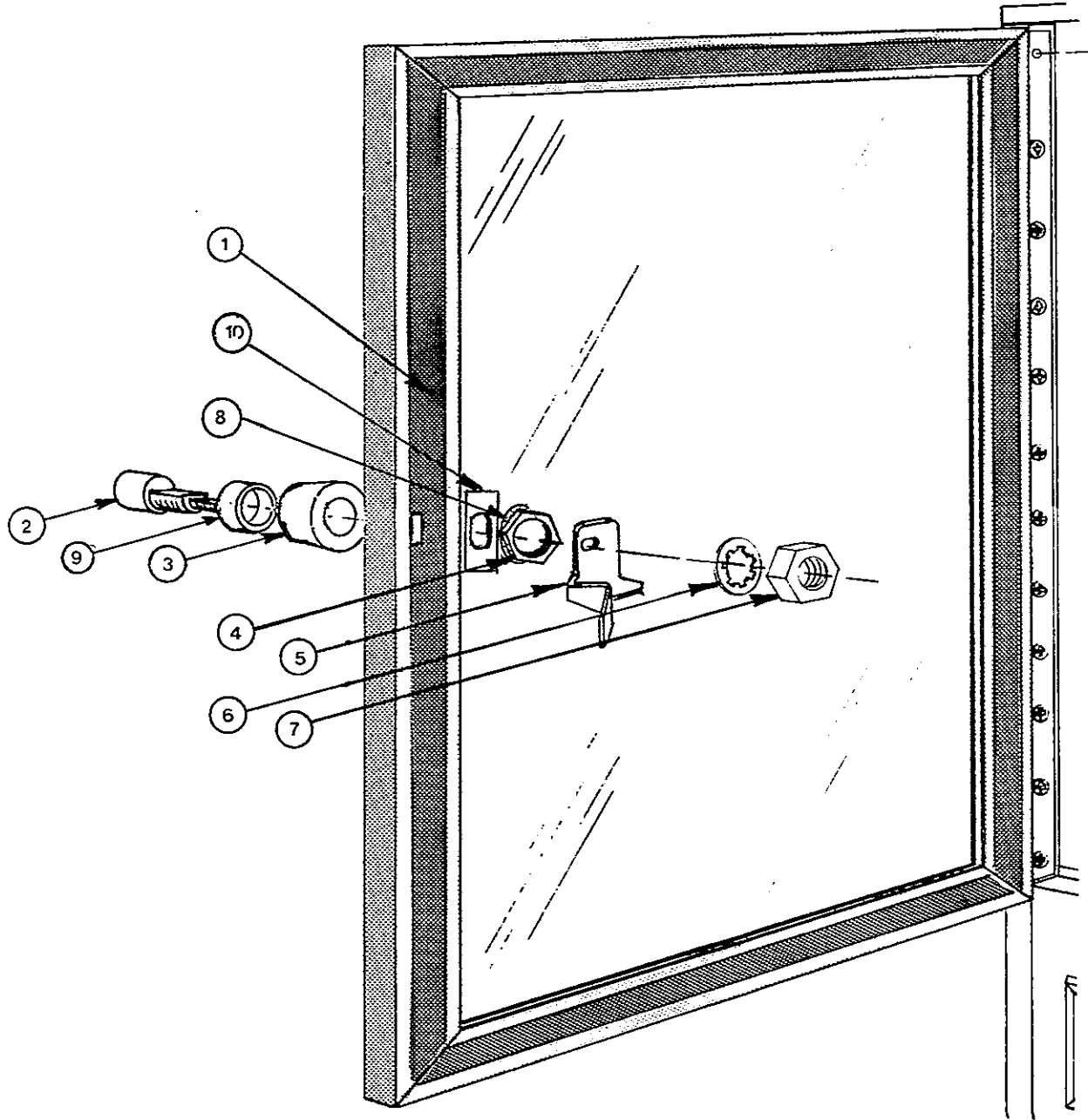
* Specify color by the following dash numbers

- | | |
|---------------------|------------------|
| -02 Vendo Beige | -06 Sweden Beige |
| -03 Beige Enamel | -07 White |
| -05 Pearlstone Grey | |



trim

INDEX	PART NO.	NOMENCLATURE
1	11059	Selector Switch Assembly
2	11031	Reject Lever Asy
3	1414	Reject Lever Cover Plate
4	10342	Coin Return Cup Assembly
5	12619	Escutcheon Plate
6	4960	Trim Cap
7	4015 or 8613	Indicator Light

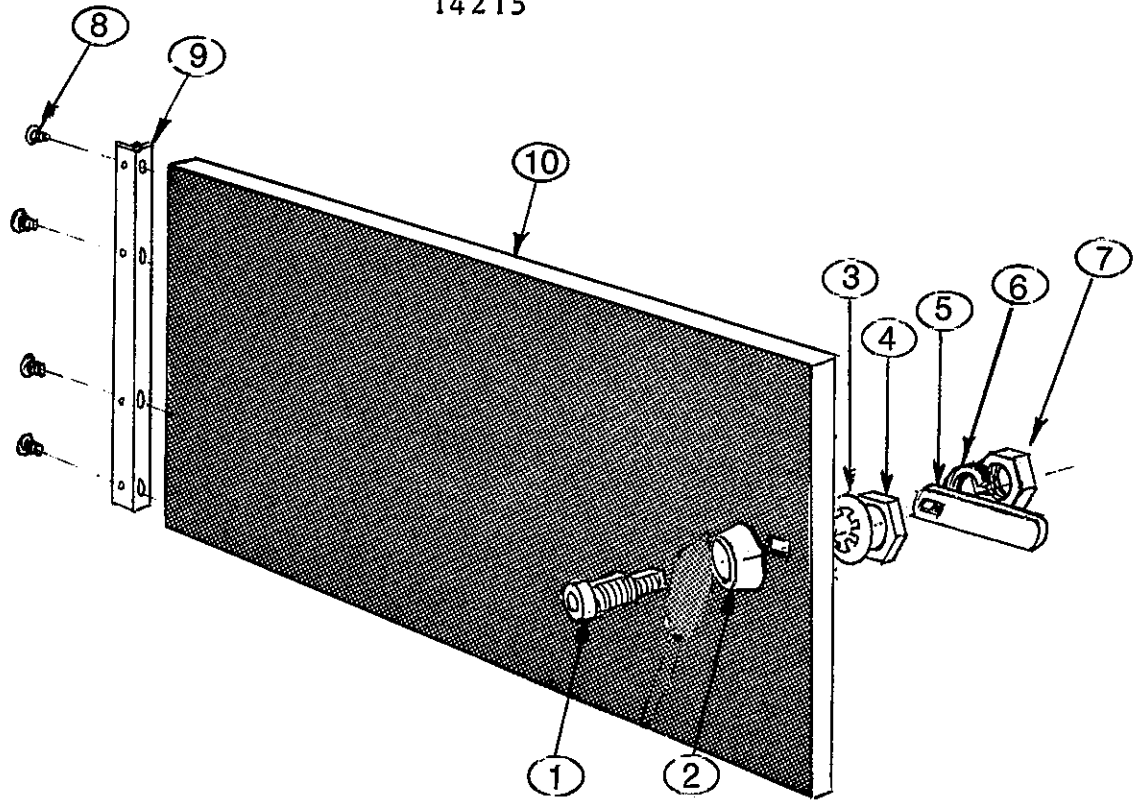


**Product Loading Door
A-10113-02
Lock Assembly 10114-10**

INDEX	PART NO.	NOMENCLATURE
1	10113-02	Product Loading Door
2	351	Ace 4152 Lock
3	575	Protection Collar For Flex-ace Lock
4	1788	Hex Nut
5	1531	Cam
6	357	Lockwasher
7	358	Hex Nut
8	366	Lockwasher
9	1676	Spacing collar
10	1250-02	Reinforcing Plate

STORAGE DOOR ASSEMBLY

14215



INDEX	PART NUMBER	NOMENCLATURE
1	351-**	Flex-Ace Lock, Keyed MSU
2	12250	Protecting Collar
3	366	Washer - Shakeproof
*** 4	1788	Hex Nut
5	3548	Cam
6	357	Washer - Shakeproof
7	358	Hex Nut
8	638	Screws - #8-32 x 3/8" Type 23 (Undercut Flat Hd Phillips Recess, Z.P.)
9	2305	Hinge
10	5137-*	Storage Compartment Door

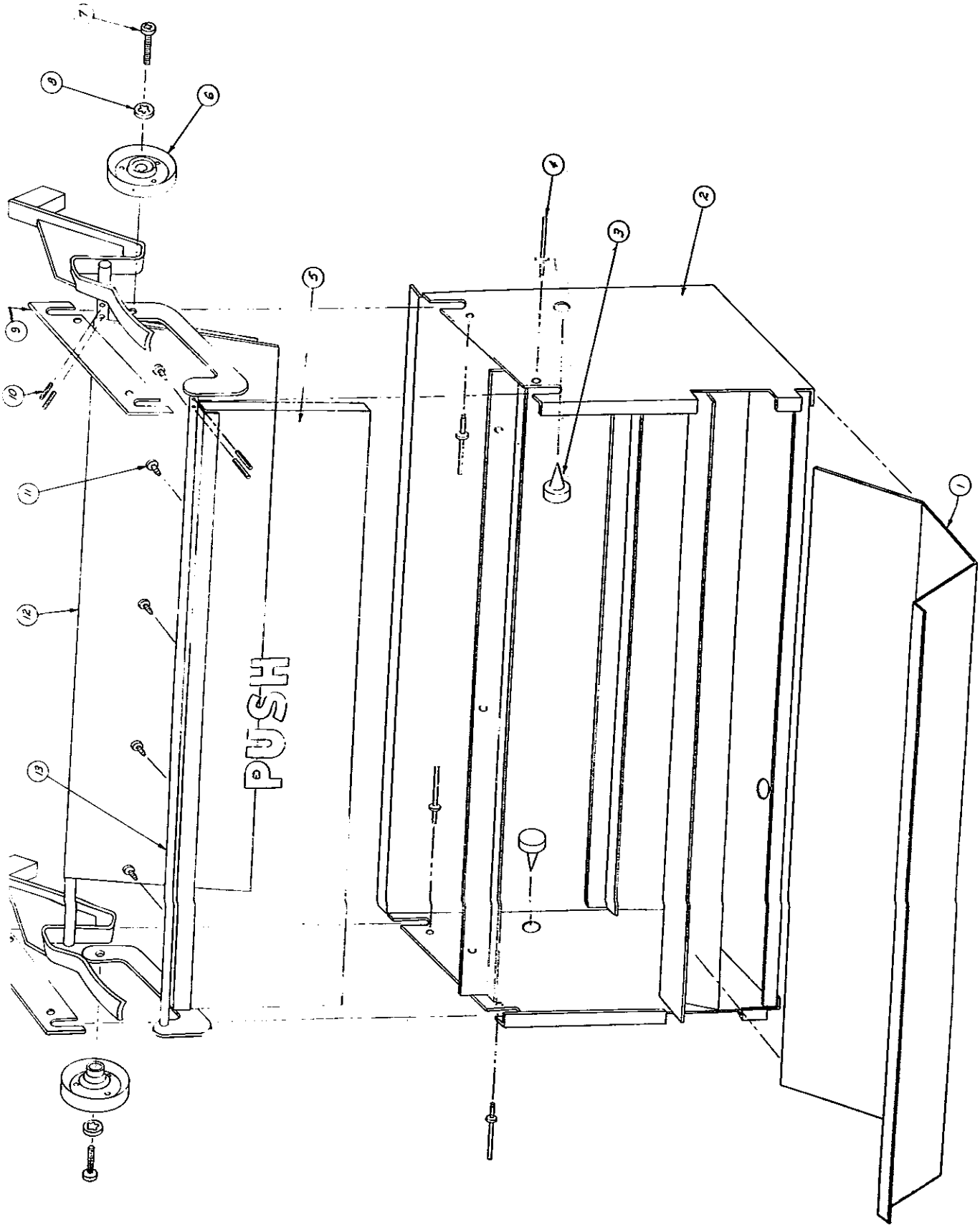
* Specify color by the
--following dash numbers--

- 02 Vendo Beige
- 03 Beige Enamel
- 05 Pearlstone Grey
- 06 Sweden Brown
- 07 White

For flat key type lock - substitute
the following parts for items 1-7:

- 11530-01 - Barrel & Tumbler **
- *** 8496 - Cam
- 11520 - Nut - Hex
- 8504 - Washer
- 4737 - Screw
- 5364 - Washer #10

** Please specify key number

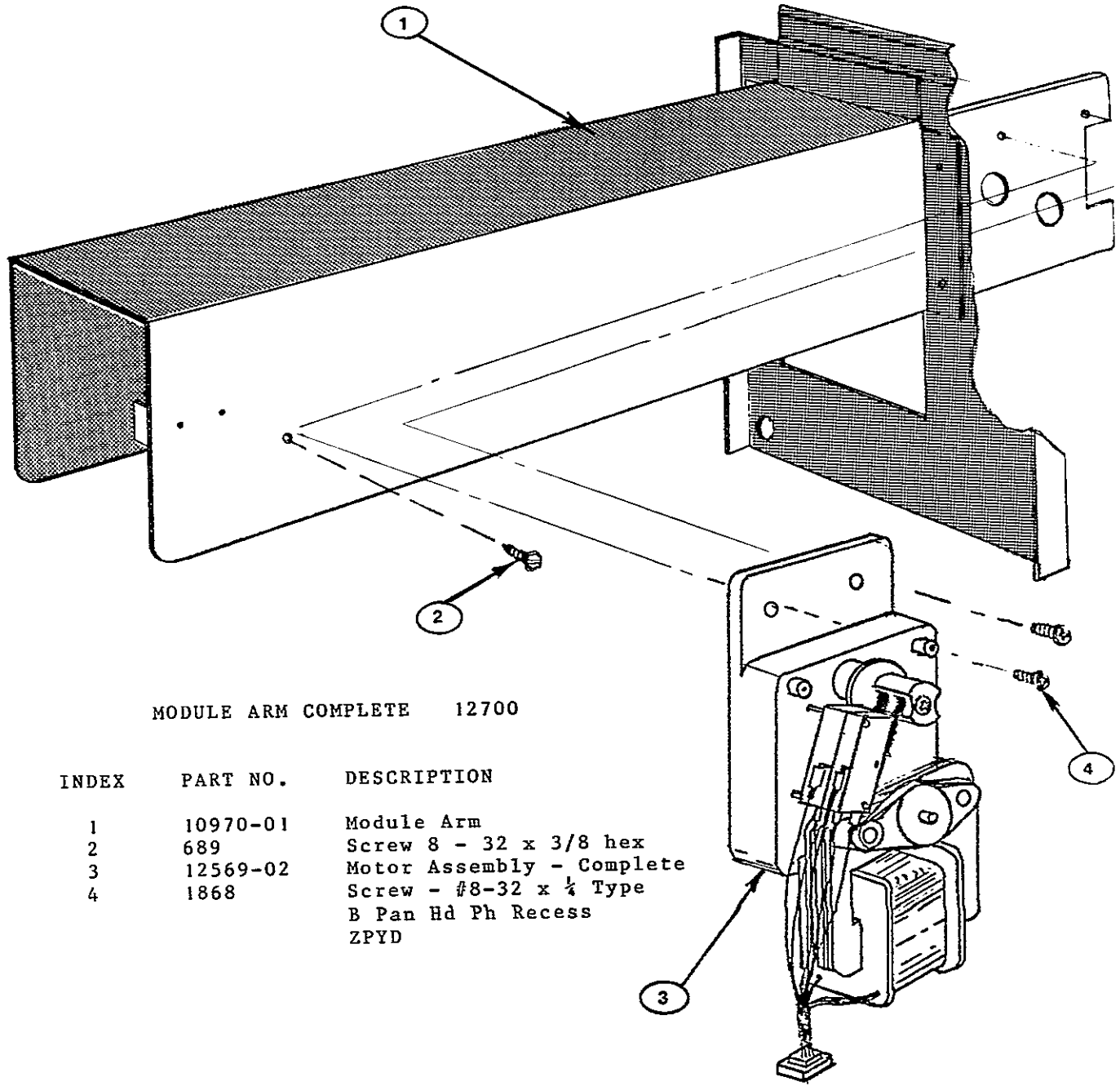


DELIVERY COMPARTMENT ASSEMBLY COMPLETE 11168

ITEM	PART NO.	NOMENCLATURE
1	1841	Bottom - False
2	10469-01	Compartment WA - Delivery
3	842	Bumper - Snap In Rubber
4	729	Rivet - Pop .125 x .232
5	*	Door - Delivery
6	534	Wheel - Roller Skate
7	13220	Screw TP "F" Pan #8
8	266	Washer Int. Tooth #8
9	1817	Retainer - Delivery Compartment Door
10	1272	Pin - Roll 3/32 x 5/8
11	1298	Screw TP "AB" Pan #8
12	10431-01	Door WA Anti-theft
13	10432-01	Arm WA - Channel

* Specify By:

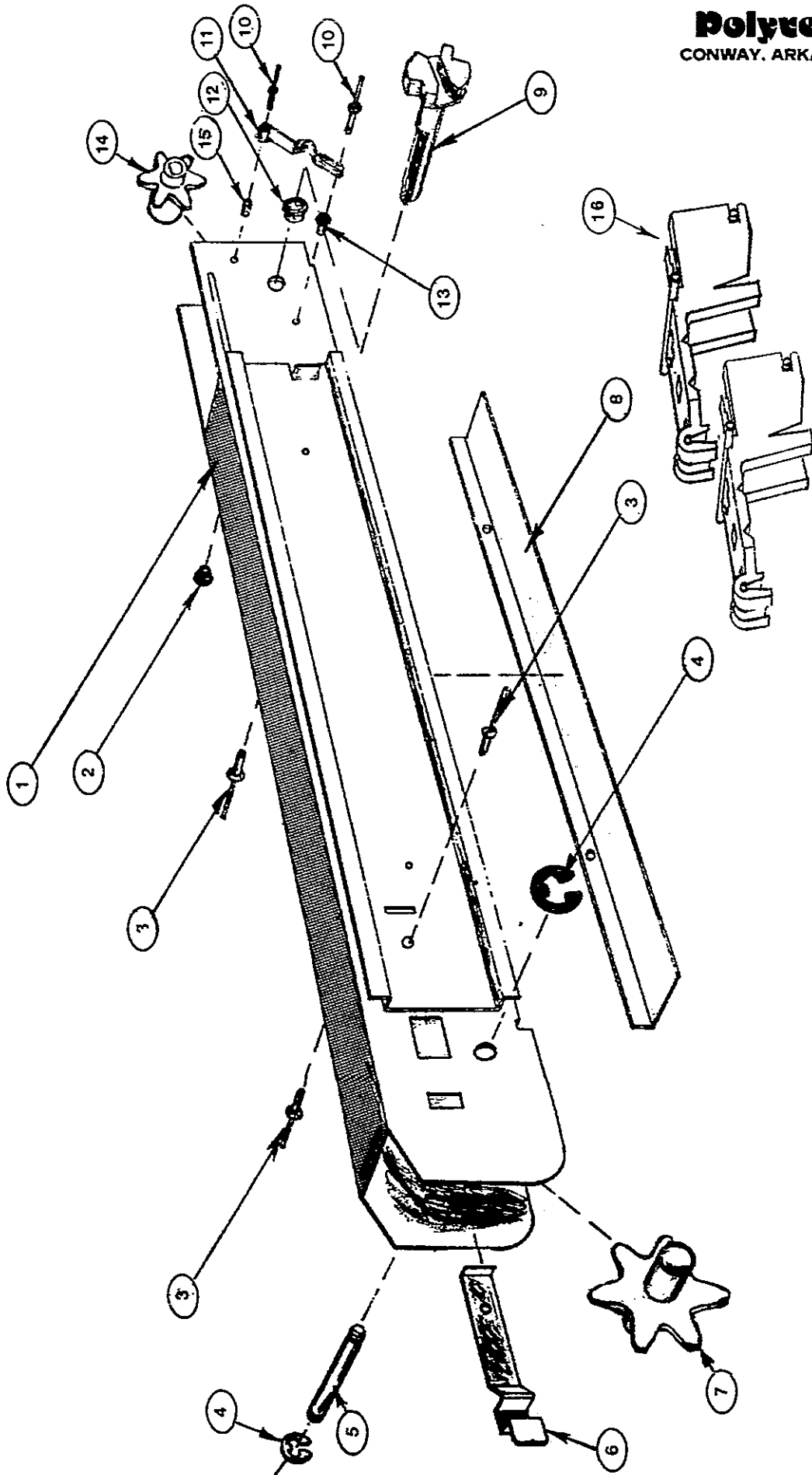
11168 Asy - Uses	1851-02	-	"Push" Door
11419 Asy - Uses	8686	-	"Pous Et Prn" Door
12284 Asy - Uses	11746	-	"TRYCK" Door
13425 Asy - Uses	13423	-	"Push" (Tinted) Door



MODULE ARM COMPLETE 12700

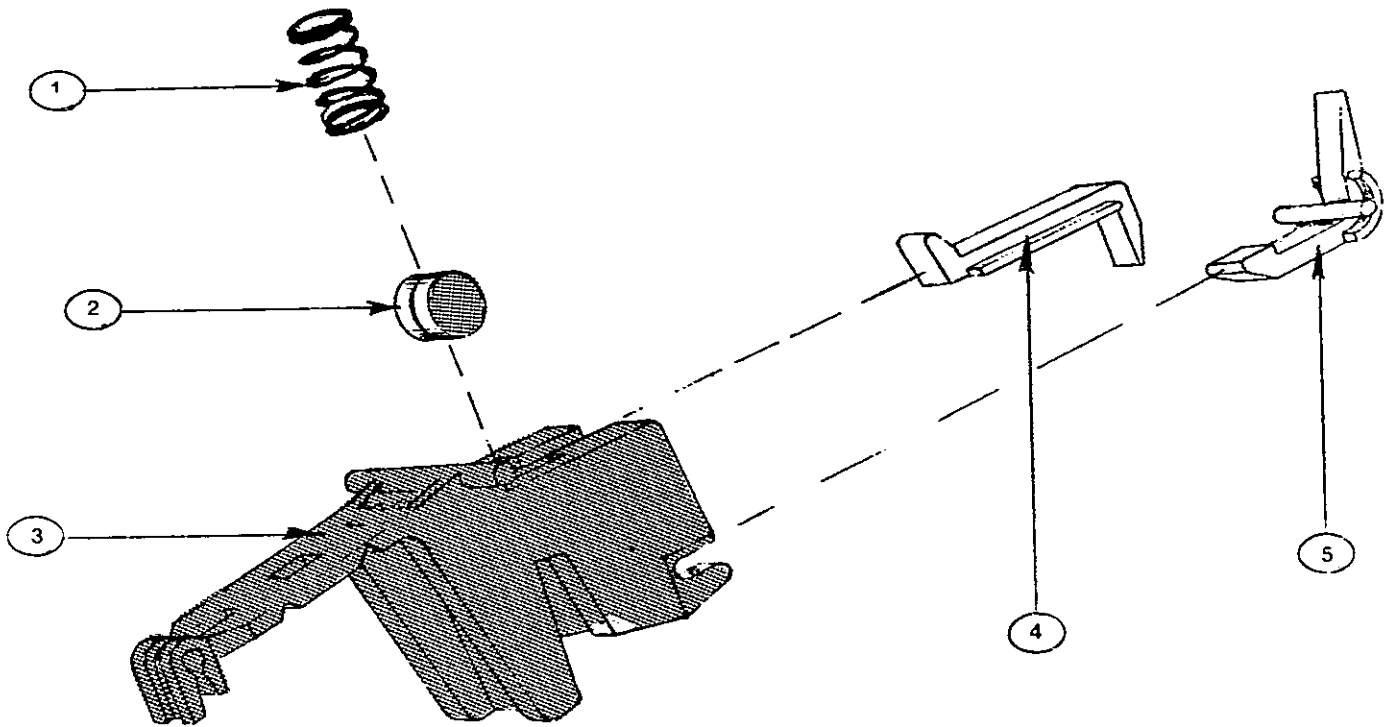
INDEX	PART NO.	DESCRIPTION
1	10970-01	Module Arm
2	689	Screw 8 - 32 x 3/8 hex
3	12569-02	Motor Assembly - Complete
4	1868	Screw - #8-32 x 1/4 Type B Pan Hd Ph Recess ZPYD





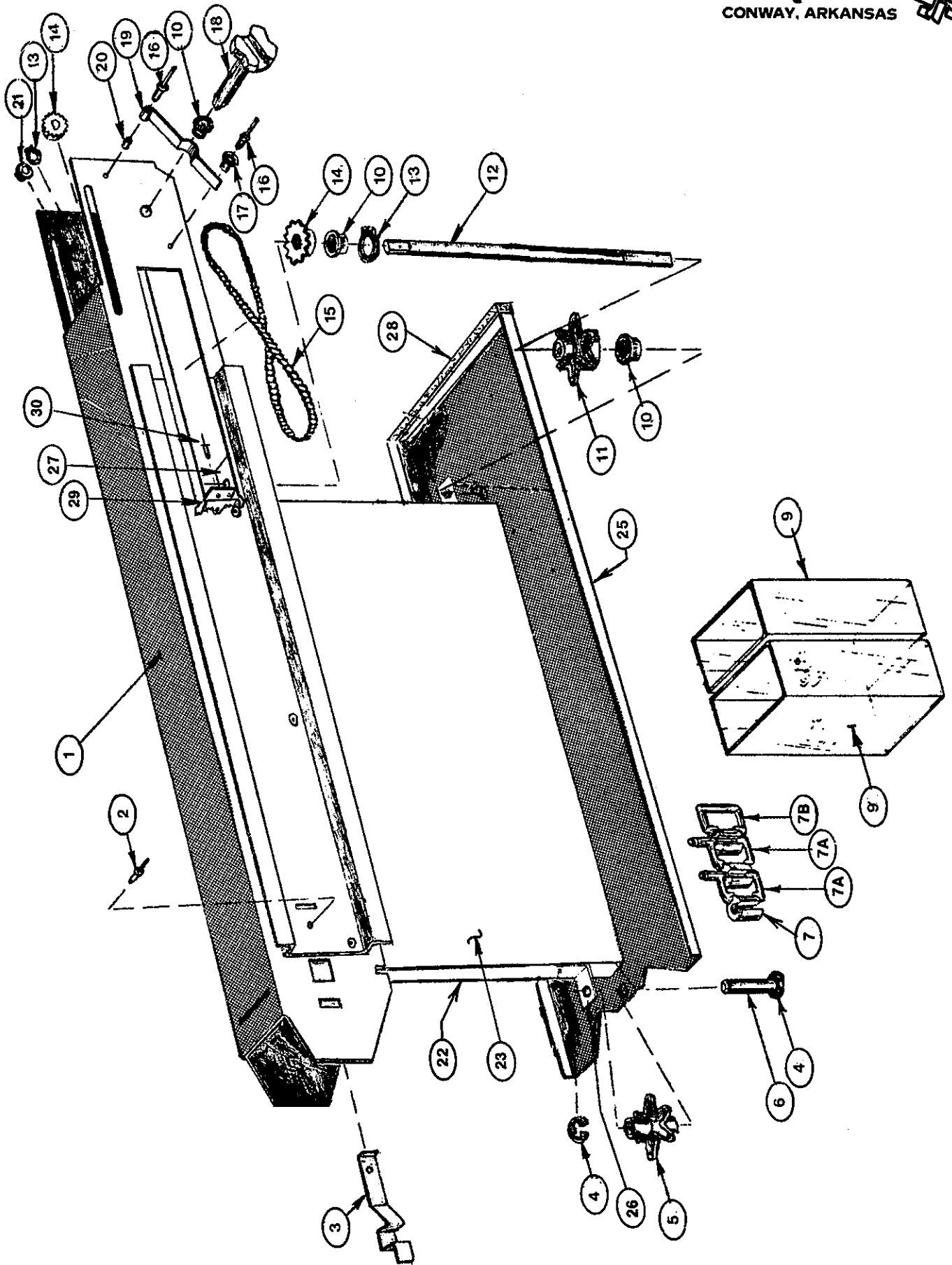
RACK MODULE - -10972-01

INDEX	PART NO.	DESCRIPTION
1	10971-02	Slide and Module Assembly
2	730	Bushing
3	729	"Pop" Rivet SD-42-BS
4	2559	"E" Ring, Tru Arc
5	2558	Front Sprocket Shaft
6	1744	Spring Lock
7	2565	Sprocket -- Front
8	4994	Chain Guide
9	1741	Sprocket Shaft -- Rear
10	1642	"Pop" Rivet SD-45-BS
11	1743	Spring, Rear Sprocket, Detent
12	1178	Bearing Bushing
13	1745	Spacer - Detent, Spring "T"
14	2563	Sprocket - Rear
15	1869	Spacer - Detent, Spring "Plain"
16	10965	Chain Assembly Complete (24 segments)



CHAIN SEGMENT ASSEMBLY 10416

INDEX	PART NO.	DESCRIPTION
1	1720	Spring, Compression
2	1754	Wedge, Cylindrical (2 req)
3	1723	Chain Housing Segment
4	1717	Slide
5	1719	Lifter, Cylinder



CANDY MODULE ASY. 11086-02

ITEM	PART NO.	NOMENCLATURE
1	11053-02	Candy Slide & Module WA
2	729	Rivet - Pop
3	1744	Lock - Spring
4	2559	Ring "E", Tru Arc
5	2565	Sprocket - Front
6	2558	Shaft - Front Sprocket
7	10689	Chain Asy. Complete, 18 Segments
	1945	Link - Cup Retainer (36 req'd)
	1946	Link - Plain (18 req'd)
	4886	Cup - Dispensing
9	1178	Bushing - Bearing
10	2563	Sprocket - Rear
11	1939	Shaft - Vertical
12	2225	Ring - Grip
13	1927	Sprocket - Drive
14	1928-01	Chain - Ladder
15	1642	Rivet - Pop
16	1745	Spacer - Detent Spring
17	1741	Shaft - Rear Sprocket
18	1743	Spring - Rear Sprocket Detent
19	1869	Spacer - Detent Spring
20	730	Bushing - Sprocket
21	4905-02	Divider - Right Side
22	4906-02	Divider - Left Side
23	5228	Bottom Candy Module
24	1935-02	Retainer - Front Shaft
25	1936-02	Retainer - Rear Shaft
26	4846	Plate - Reinforcement
27	810-01	Stripping - Neoprene
28	4948	Rivet - Pop
29		
30		

TROUBLE SHOOTING

MACHINE WILL NOT ACCEPT COINS: Remove acceptor/rejector to visually inspect 5¢/10¢ blocking fingers in coin changer.

5¢/10¢ blocking fingers are magnetically retracted:

Be sure the machine is level.

Be sure the changer is properly installed.

Be sure blocking fingers are adjusted properly - not protruding into the acceptor/rejector.

Acceptor/rejector needs cleaning or adjustment, clean, repair, or replace.

5¢/10¢ or 25¢ blocking fingers are not magnetically retracted:

Make sure machine is plugged into 115 volt outlet.
(Are fluorescent lamps on - check 2 amp fuse)

Make sure changer Jones Plug is securely connected.

Check manual payout on changer. If it does not operate, check red cap fuse. If blown, check for short or ground on 24 volt circuit. Transformer may be defective.

Check to see that each module arm is pushed in all the way so as not to lock a motor in cycle.

Check series circuit that runs through all the outer switches on the dispense motors:

Manually pull #15 dispensing chain forward by grasping several segments with both hands.

If it fails to electrically pick up and complete a cycle; Check wire continuity from Pin #1 of Changer Jones plug receptacle to pin #1 of Dispense Motor #15. Also check motor assembly #15 for proper switch operation and connection.

If #15 electrically picks up and cycles; repeat pull test for dispenser #1.

If #1 fails to pick up electrically; the series circuit is broken between #15 and #1. Locate break by continuing pull test through the circuit in descending number order (#14 thru #1) until the first dead position is found.

Either this "dead" dispenser motor assembly or the last operable assembly is faulty.

If #1 picks up electrically; check wire continuity from pin #6 of motor #1 to pin #6 of the Changer Jones Plug receptacle.

NOTE: The direct descending order (#15 thru #1) for the motor series circuit is different from previous 15 select machines.

If all the above check good, the coin changer is defective

MACHINE WILL ACCEPT COINS BUT.....

No selection can be made.

Check for coins lodged in coin path of changer.

Check series circuit that runs through all the outer switches on the dispense motors:

Manually pull #15 dispensing chain forward by grasping several segments with both hands.

If it fails to electrically pick up and complete a cycle; check wire continuity from pin #2 of Changer Jones Plug receptacle to pin #4 of Dispense Motor #15. Also check Motor Assembly #15 for proper switch operation and connection.

If #15 electrically picks up and cycles; repeat pull test for dispenser #1.

If #1 fails to pick up electrically; the series circuit is broken between #15 and #1. Locate break by continuing pull test through the circuit in descending number order (#14 thru #1) until the first dead position is found. Either this "dead" dispenser motor assembly or the last operable assembly is faulty.

If #1 picks up electrically; check wire continuity from pin #5 of motor #1 to position #1 of selector switch.

NOTE: The direct descending order (#15 thru #1) for the motor series circuit is different from previous 15 select machines.

If all the above check good, the coin changer is defective.

Only some selections can be made.

Changer must be a 24 volt 4-price unit.



Identify defective selections by number and determine if a dead price level in changer is cause of failure. Also be sure of vend price setting for that level.

Check for defective selector switch assembly. The selector switch is wired in series starting at position #1 and running down the left side thru the odd numbers. A jumper then connects to position #2 and the series circuit runs down the right side thru the even numbers. A defective selector switch is indicated when a sequence of selections in this series do not operate.

EXAMPLE: Selection #1, #3, #5, and #7 can be made but the remaining selections can not. The selector switch is defective between positions #7 and #9.

Check for good and proper connection of price setting motor leads at terminal board above changer.

MACHINE WILL VEND CONTINUOUSLY.....

Determine selections that are vending continuously.

If selections are controlled by a common price level of changer - replace changer.

If free-vending selections have no common connection by price level - dispense motor assembly is probably defective.

MACHINE WILL ACCEPT CERTAIN COINS BUT NOT OTHERS (ALWAYS A COIN MECHANISM PROBLEM).....

Will not accept quarters.

Check to see if coin tubes have sufficient coins to retract 25¢ blocking finger.

If coin tubes are full and finger is not retracted, check for loose connection, burned out electromagnetic coil, or defective tube switch.

Check to see if the 25¢ blocking finger is adjusted so that when magnetically pulled in, the tip is clear of the rejector/acceptor.

If none of the above, clean, adjust, or replace, acceptor/rejector.

Will not accept nickels and dimes.

Check 5¢/10¢ blocking fingers.

If fingers are retracted, check to see if the fingers are adjusted so that when magnetically pulled in, the tips clear the rejector/acceptor.

If not the above; clean, adjust, or replace acceptor.

If not retracted, check for loose connection, or a burned out electromagnetic coil.

PARTS LIST

SS-1500 FIFTEEN SELECTION SNACK MACHINE

PART NUMBER	DESCRIPTION
10432-01	ARM WA-CHANNEL
12406-01	ARM WA-DOOR
12406-02	ARM WA-DOOR
12407	ARM WA-ELEVATING
10970-01	ARM WA-MODULE
12700-02	ARM-ASY-MODULE
13183-01	ARM-CHANNEL W.A.
104	BALLAST-115V
10121-01	BANK WA-COIN
3193	BOARD ASY-TERMINAL
1841	BOTTOM-FALSE
1416-01	BRKT-REJECT LEV MTG
11734	BRKT-SELECTOR SWITCH
8439-01	BRKT-SIDE LAMP
795-01	BRKT-TOP LAMP MTG
8438-01	BRKT-WIRE COVER
326	BUMPER-SNAP IN
842	BUMPER-SNAP IN RUBR
1178	BUSHING-BEARING
1961	BUSHING-SB-1500-21
730	BUSHING-SB-437-5
2438	BUSHING-SR-6N3-4
10689	CANDY CHAIN
4960	CAP-TRIM
2236	CAP-TRIM END
4959	CASTING-COIN INSERT
1928-01	CHAIN-LADDER
10965	CHAIN-WEDGE W-15
11029-01	CHUTE WA-COIN
8538-01	CLAMP-CABLE 3/8
8538-02	CLAMP-CABLE-5/8
1489	CLIP-FUSE HOLDER MTG
10469-01	COMPT ASY-DEL
11168	COMPT ASY-DEL COMPLETE
1473	CORD-SERVICE 13 FT
12259	COUNTERWEIGHT-DOOR
10342	CUP ASY-COIN RETURN
10230	CUP WA-COIN RETURN
4886	CUP-DISPENSING
12672	DECAL-FUSE
5213	DECAL-SEL NUMBER
12671	DECAL-STARTERS

PART NUMBER	DESCRIPTION
11540	DECAL-WARNING
10113-01	DOOR ASY-SERVICE
10431-01	DOOR WA-ANTI-THEFT
13182-01	DOOR WA-ANTI-THEFT
577	DOOR-COIN RETURN CUP
1851-02	DOOR-DEL, BLK PUSH
11027-02	DOOR-REAR, VEN BEIGE
11028-02	DOOR-REAR, VEN BEIGE
5157-01	DOOR-SLIDING
14215-00	DOOR-STORAGE COMPT.
14215-02	DOOR-STORAGE COMPT.
13181	ELEVATING-ARM W.A.
12766	EQUALIZER-LEG E SLOT
549	EXTENSION-REJ LEVER
12615	EXTRUSION-R.S. TRIM
12667	FASTENER-1/4 TURN
10217-01	FIXTURE ASY-LIGHT
11362-01	FIXTURE ASY-LIGHT
1488	FUSE-GMQ 3
222	FUSE-MDL 2
4994	GUIDE-CHAIN
12822-01	GUIDE-CUP CHAIN
12666	HARNESS-CORRECT CHG
1520	HARNESS-LAMP
1629	HARNESS-LAMP, W20
12685	HARNESS-MAIN 15's
5200	HARNESS-SUBMAIN 154P
2305-00	HINGE-STRG DR, ZP
996	HOLDER-FUSE
1487	HOLDER-FUSE HLQ 3
8656	HOPPER ASY-COIN H22
1804	LABEL-U.L.
1616	LAMP-CORRECT CHANGE
4015	LAMP-CORRECT CHANGE
546	LAMP-F18T8/CW/K28
11031-01	LEVER WA-REJECT
4864	LEVER-REJECT
1744	LOCK-SPRING
12248	LOCK/STG DR
12251	LOCK/SVC DR,
10972-02	MODULE ASY-RACK
11086-02	MODULE ASY-CANDY
12569-02	MOTOR-CHIP MCH 4P
533	NUT-WELD #8-32
1296	NUT-WELD #8-32

PART NUMBER	DESCRIPTION
8548	NUT-WELD 3/8-16
10966-01	PANEL WA-MOTOR MTG
12693	PANEL-POWER
12707	PANEL-R.H. INNER
5417-01	PANEL-STG DOOR, CROWN
12708-01	PANEL-WA-R.H. INNER
1272	PIN-ROLL 3/32X5/8
5204	PKG-CARTON CAP D/C
5203	PKG-FLANGE TUBE C 15
1293-35	PLATE-DATA, W-15-4
12618-02	PLATE-ESCUTCHEON
1250-01	PLATE-LOCK REINF
1747	PLATE-MODULE FACE
13058	PLATE-NAME W-15
1302	PLATE-PATENT NOTICE
1414	PLATE-REJ LEVER COV
4844	PLUG-2 PIN
1817	RETAINER-DEL COMP DR
1935-01	RETAINER-FRONT SHAFT
1936-01	RETAINER-REAR SHAFT
12668	RETAINER-SPLIT RING
5840-01	RETAINER-TRIM
5840-02	RETAINER-TRIM
5840-03	RETAINER-TRIM
2559	RING-E, 5133-25
2225	RING-GRIP 5555-31SZF
642	RIVET-DRIVE 125DX187
729	RIVET-POP 125DX232
4948	RIVET-POP 125DX294
1642	RIVET-POP 125DX419
766	SCREEN-FBRGLAS 18X16
766-01	SCREEN-REAR
766-02	SCREEN-SHELL BTM
302	SCREW-MCH PAN #6
1715	SCREW-SEMS PAN #8
2614	SCREW-TP A PAN #8
1298	SCREW-TP AB PAN #8
1868	SCREW-TP PAN #8
689	SCREW-TP SF HEX #8
638	SCREW-TP 23 FLT #8

SS-1500
PAGE
ALPHA

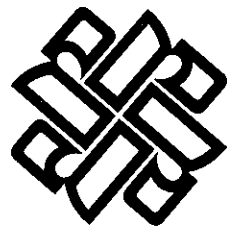
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EFFECTIVE DATE
7/15/81

Polyvend^{INC.}
CONWAY, ARKANSAS



PART NUMBER	DESCRIPTION
318	SCREW-TP 23 HEX 1/4
863	SCREW-TP 23 PAN #4
11894	SCREW-TP 23 PAN #8
13220	SCREW-8-32 1 F
2558	SHAFT-FRONT SPROCKET
1741	SHAFT-REAR SPROCKET
1939	SHAFT-VERTICAL
11053-02	SLIDE WA-CANDY MOD
801	SOCKET-LAMP HOLDER
1466	SOCKET-STARTER
1745	SPACER-DETENT SPRING
1869	SPACER-DETENT SPRING
827	SPACER-REJECT LEVER
1743	SPRING-DETENT
84	SPRING-EXTN 1 3/4
1927	SPROCKET-DRIVE
2565	SPROCKET-FRONT
2563	SPROCKET-REAR
2607	STARTER-FS 25
545	STRAP-HARNESS
1751	STRIKER-LATCH
3566	STRIPPING-DEL COMPT
810-00	STRIPPING-NEOPRENE
5209	SUPPORT-PACKING
11059	SWITCH-SELECTOR
11245-01	TRACK ASY-LOWER
11032-01	TRACK WA-UPPER
12545-02	TRACK-DBL.17 29/32
567	TRACK-SLIDING DOOR
1565	TRANSFORMER-75VA
5839-02	TRIM-CROWN HORZ
5839-03	TRIM-CROWN SIDE
5839-01	TRIM-CROWN TOP
4988-01	TRIM-DEL COMPT.
4988-02	TRIM-DEL COMPT.
5831	TRIM-J SIDE
5849	TRIM-J, BOTTOM
5850	TRIM-J, TOP
266	WASHER-INT TH #8
534	WHEEL-ROLLER SKATE
5365	WIRE-GROUND



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