

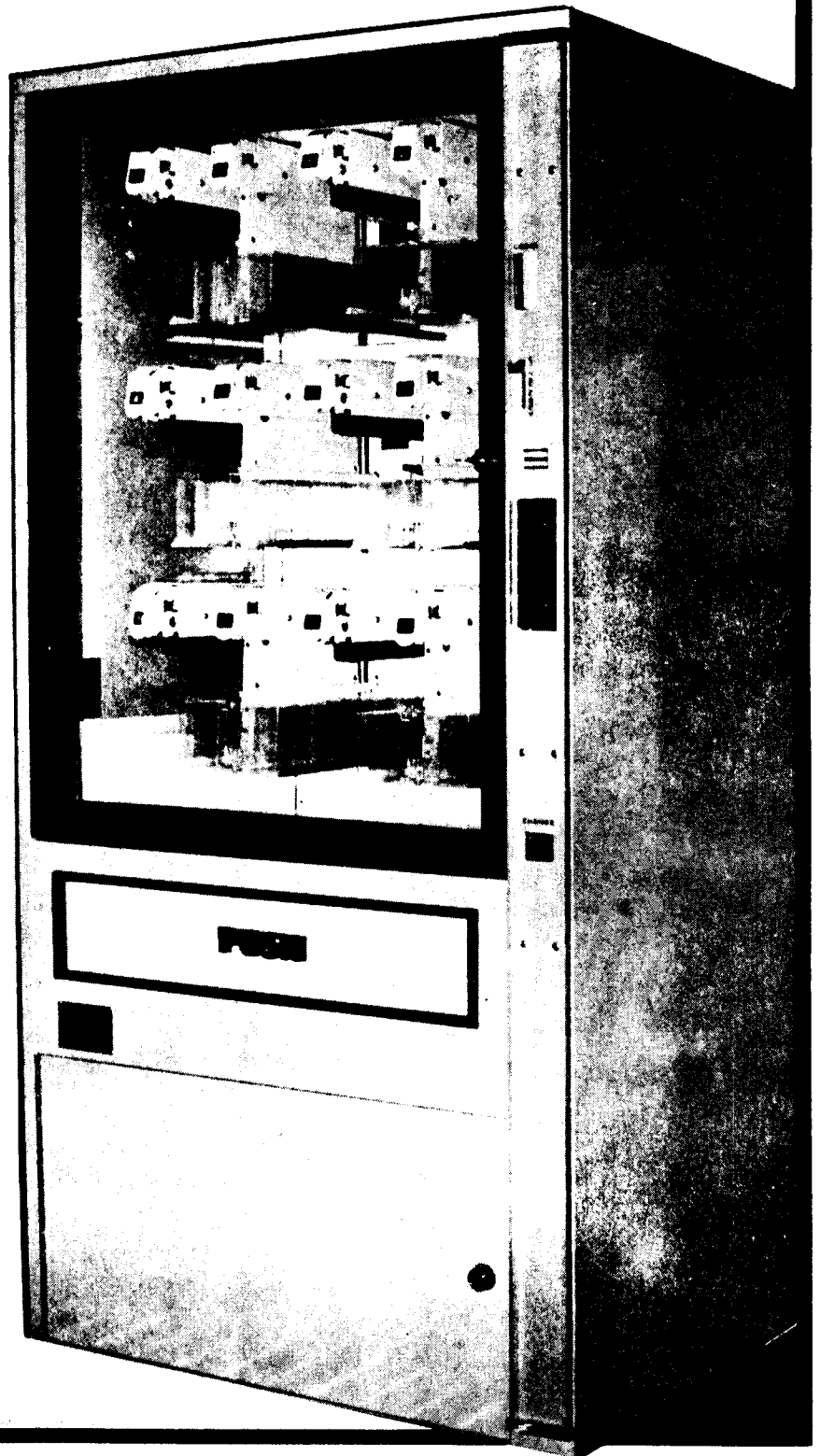
model CSV-15 by Polyvend^{inc} single price service manual

CONWAY, ARKANSAS



INDEX

| TOPIC | PAGE |
|--------------------------|------|
| General..... | 1 |
| Specifications..... | 1 |
| Installation..... | 2 |
| Product Loading..... | 3 |
| Storage Compartment..... | 5 |
| Coin Collection..... | 5 |
| Operation..... | 6 |
| Dispensers..... | 7 |
| Electrical..... | 14 |
| Selector Switch..... | 17 |
| Product Delivery | |
| Compartment..... | 17 |
| Rear Access Cover..... | 17 |
| Trouble Shooting..... | 18 |
| Parts Illustrated..... | 20 |
| Parts Alphabetical..... | 34 |



SERVICE MANUAL

MODEL CSV-15 SINGLE PRICE

AUTOMATIC RACK MERCHANDISER

GENERAL

The single price CSV-15 Polyvend automatic rack merchandiser has been developed as a part of the cooperative service vending program. Each of 15 independent dispensing units may be activated by push button after credit has been established in the coin mechanism.

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

All products are sold for one price, which is present within the single price coin changer.

SPECIFICATIONS

OVERALL DIMENSIONS:

Height.....68"
Width.....33 3/4"
Depth.....28"
Front Clearance (Door).....30"

WEIGHT:

Shipping.....483 pounds

CAPACITY:

Candy.....108 pieces
Chips.....90 pieces
Total.....222 pieces

ELECTRICAL:

Power Source.....115 VAC
Internal Power.....24 VAC
Current.....2 AMP

NOTE: Polyvend, Inc. will not be responsible for faulty or overloaded circuits where CSV banks are installed. The exact load imposed by each bank module is stated in the related service manual. The sum of all such modules in any particular location will determine the total line load. No one module with all options is designed to carry more than 12 AMPS at 115 volts.



INSTALLATION

- Remove all external packing materials.
- 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 for the desired price 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.)
- Place appropriate price sticker on machine.
- 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.



Polyvend
CONWAY, ARKANSAS

PRODUCT LOADING

All product loading of the CSV-15 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 3 and pull forward until the slide hits the stop. Each bag is now inserted into a wedge assembly as shown in FIGURE 1-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 1-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 2).

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

fig.1

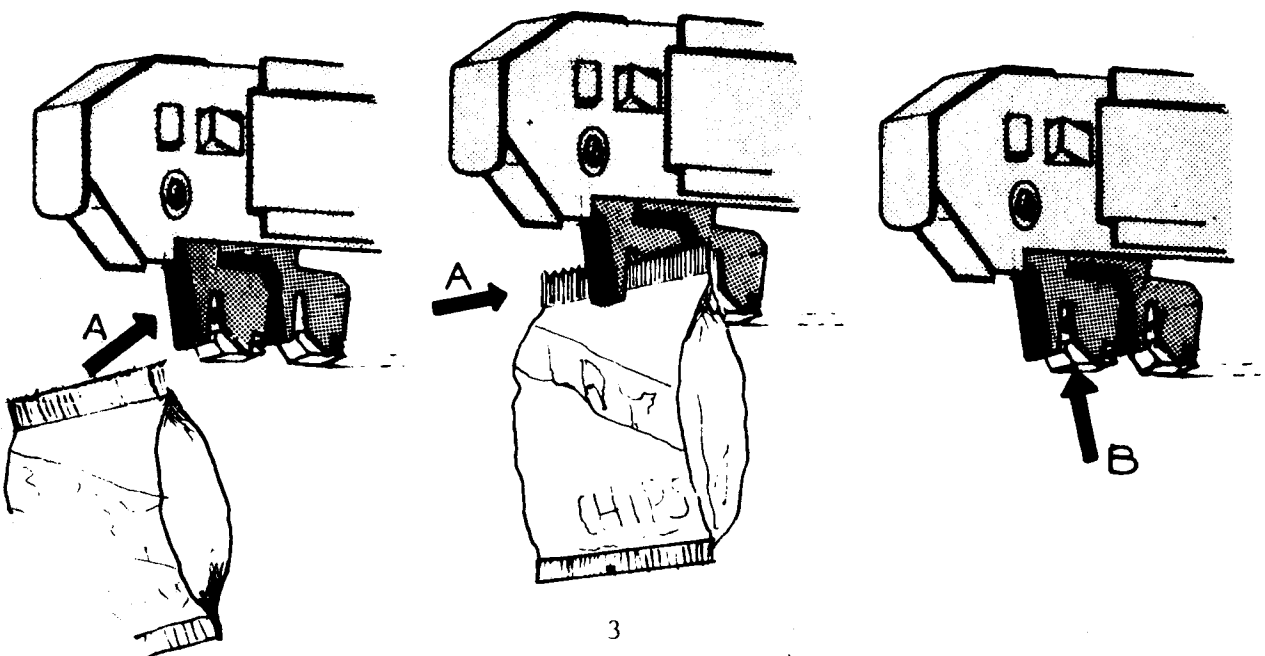


fig.
2



fig.
3



STORAGE COMPARTMENT

The storage compartment (FIGURE 4) may be used for storing extra products, spare parts or dispensers. It is a versatile compartment to be used as each operator chooses. This compartment is located in the bottom of the CSV-15 and may be opened with the same key that opens the product loading door.

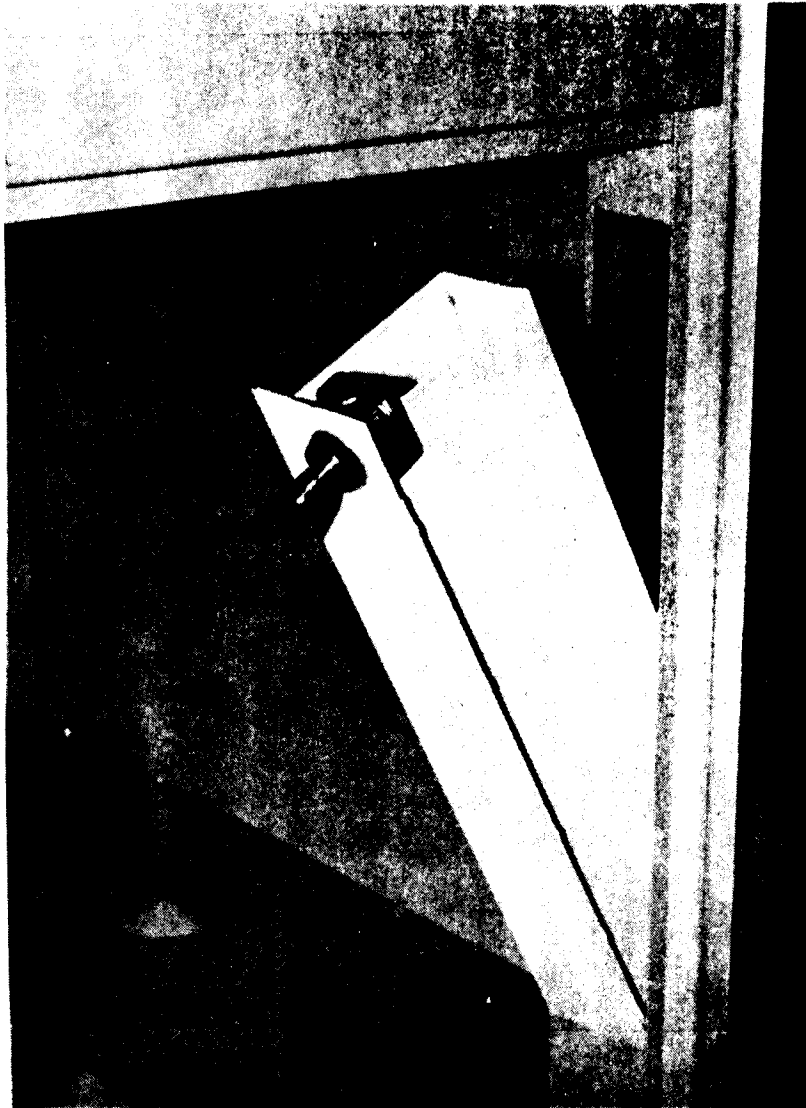


fig. 4

COIN COLLECTION

The coin bank is located in the storage compartment in the right-hand corner as shown in FIGURE 4. If a locking coin bank has been ordered with the machine, the second key supplied will be used to open this lock. Insert the key, press in and rotate $\frac{1}{4}$ turn counterclockwise to unlock the bank. Allow the top of the bank to tilt to the left until it can be lifted out. Remove the coins and replace by reversing the procedure.

OPERATION

The CSV-15 Single price automatic rack merchandiser is operated as shown in FIGURE 5.

A-Depositing money causes the coin mechanism to supply a 75 millisecond pulse to the vend relay, closing it.

B-Vend relay is now "locked on" to the ladder circuit of all dispenser motors. (15 thru 1)

C-Energized relay opens the normally closed circuit to the "coin blocking" relays in the coin mechanism to prevent further acceptance of coins.

D-Energized relay also energizes the selector switch ladder circuit. (15 thru 1)

E-When any selector switch button is pressed, all circuits higher in number will be broken to prevent cheating and the associated dispenser motor circuit will start to run.

F-Upon starting any dispenser motor, ladder circuit B will be broken to de-energize the vend relay. A carry over switch in the motor circuit continues motor operation to complete one vend.

The vend cycle is then complete and the merchandiser is ready for another sale.

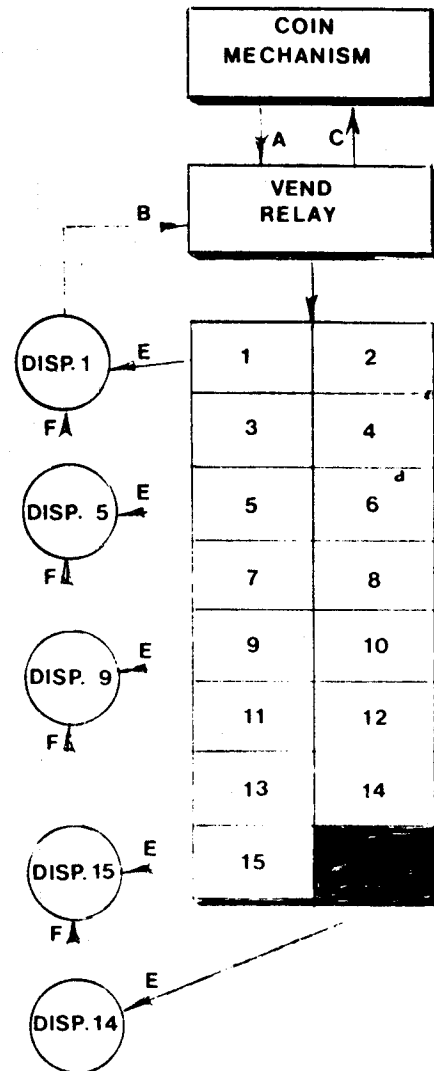


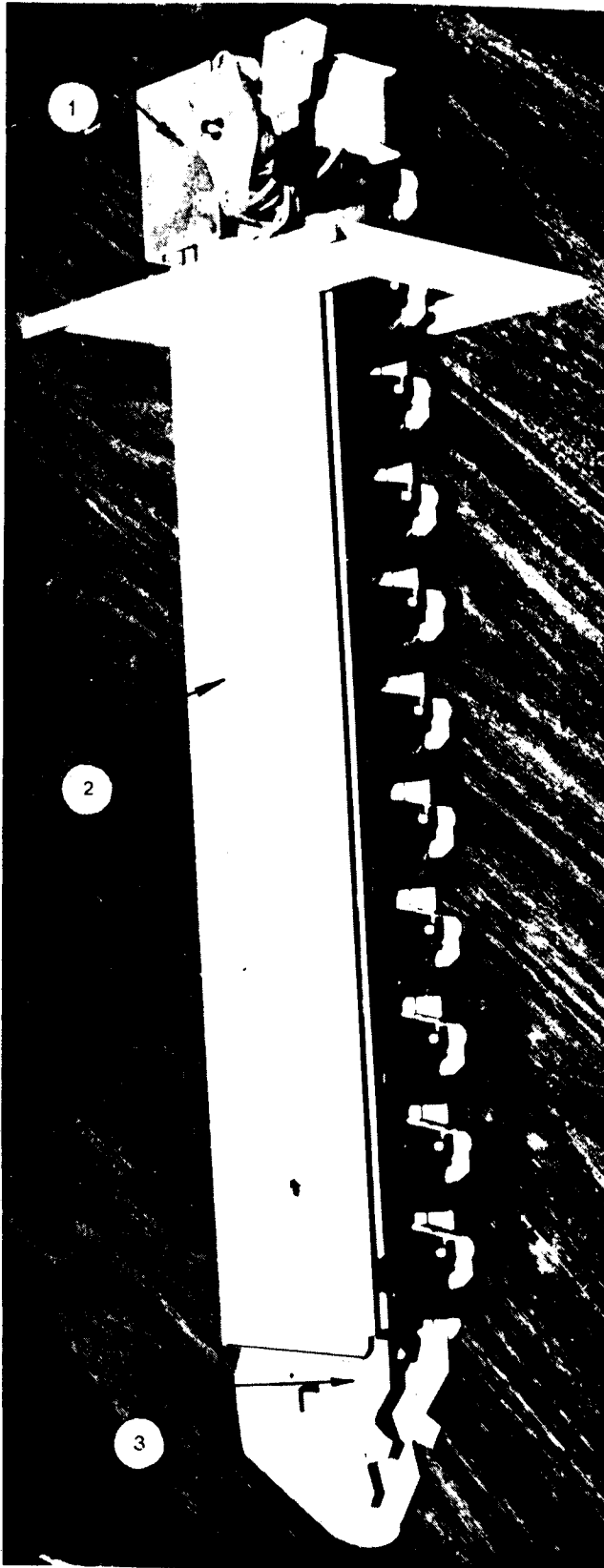
FIGURE 5



DISPENSERS

FIGURE 6 illustrates the bag dispenser used in the CSV-15. It consists of:

- (1) Motor Assembly
- (2) Module Arm
- (3) Module chain and slide assembly



When a product selection is made (see section E of operation), an electric signal from the selector switch starts the motor, and a carry over circuit through the make-then-break contacts 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 FIGURE 1B). This upward movement releases the wedged grip maintained on the merchandise bag, and it 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 machine.

There is a particular type of bag made of glassine material that cannot be vended with the Polyvend chain. This is a

Figure 6

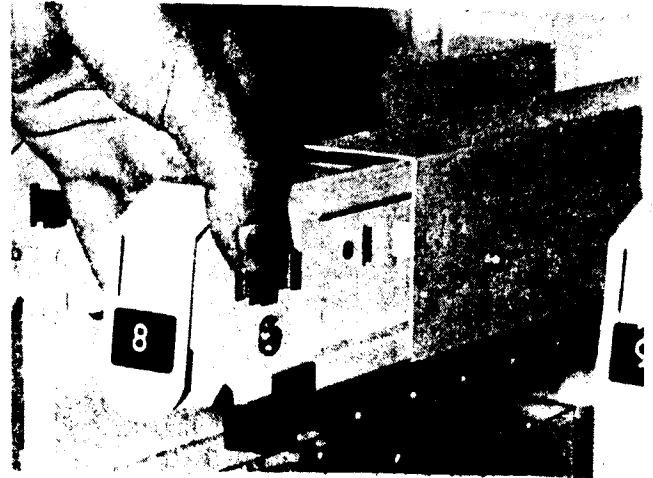
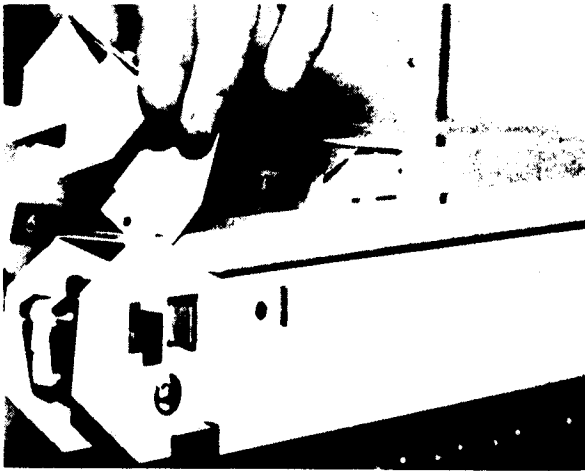


Polycend
CONWAY, ARKANSAS

coated material that covers the metal cylinders with wax causing the bags to fall out freely.

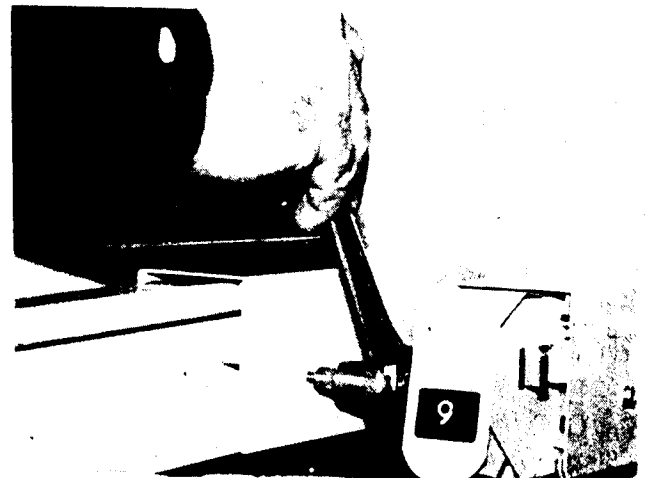
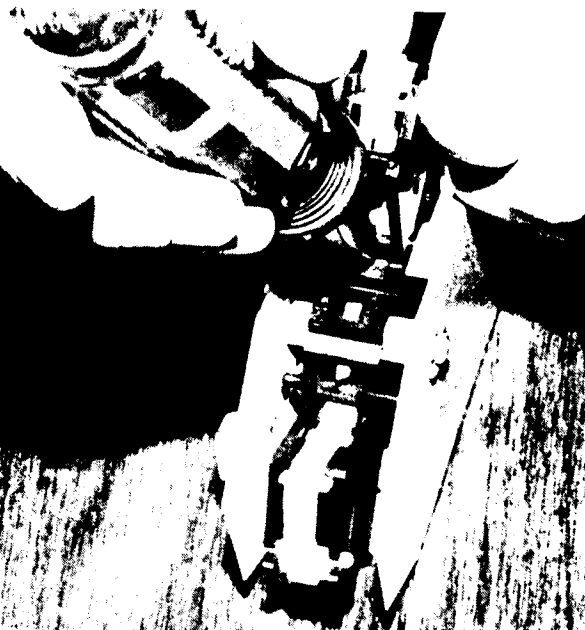
Occasionally, dispensing chains must be replaced or repaired. These chains are timed on installation and must be removed with care. FIGURE 7 shows the sequence of operations to accomplish this task.

- Release the latch on the dispenser and pull slide out to its stop. (FIGURE 7-A)



Remove the dispenser number and price cover. (FIGURE 7-B)

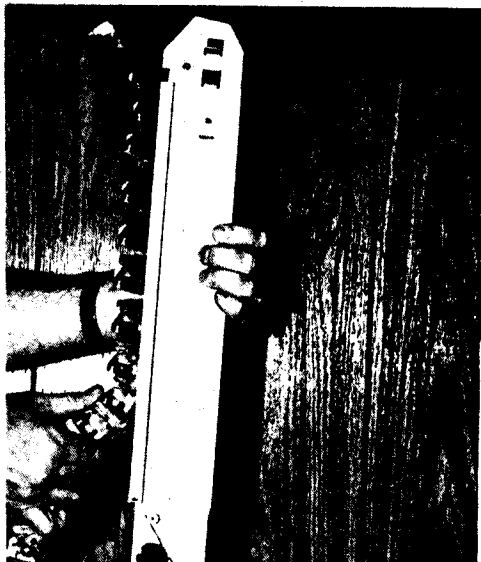
- Remove the screw from the side of the dispenser (FIGURE 7-C) which serves as the stop and pull slide from the machine.



Place slide upside down on a work surface and grasp the first wedge assembly on the front end of the slide. Using a screw driver, press inward and down as shown in (FIGURE 7-D). The hook will snap loose.

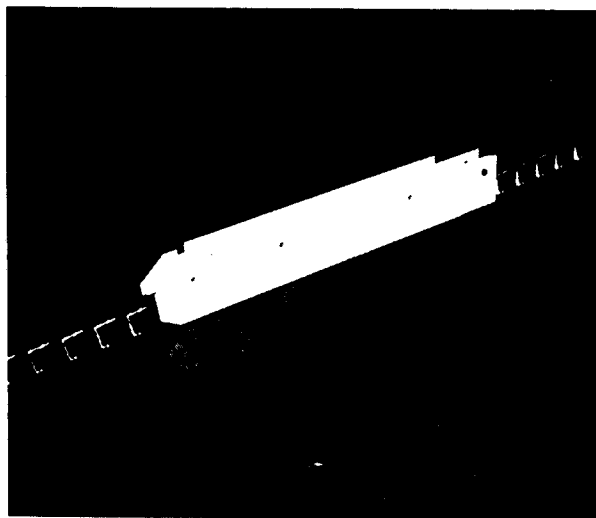


- Hold slide vertical with the front end up, and the chain will fall free of the inner portion of the slide (FIGURE 7-E).



- Still holding slide vertical, lift bottom of chain outward and away from the slide. Push upward. The chain should easily slide free. (FIGURE 7-F)

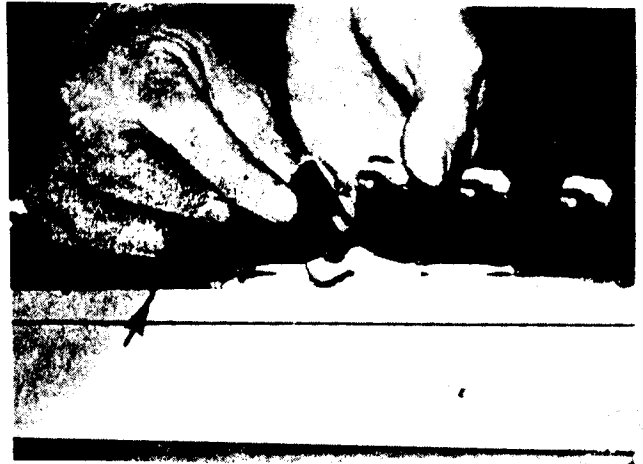
- To replace chain, hold it at the middle and drape it over the forward sprocket, while allowing one end to drop through the center of the slide. (CAUTION: The external links or wedge assemblies must have the black surfaces facing up.) (FIGURE 7-G)



- Place the slide upside down on a work surface. Pull the chain through until equal lengths are extending from both ends of the slide (FIGURE 7-H).

- Fold the chain over the slide from both ends and snap together as shown in (FIGURE 7-I). Care must be taken NOT to stretch the links.

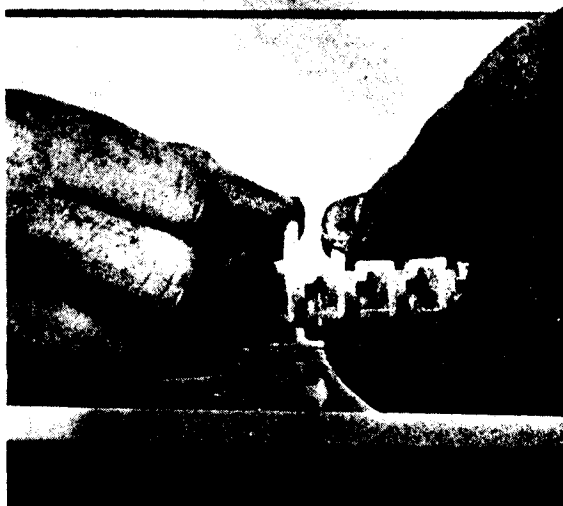
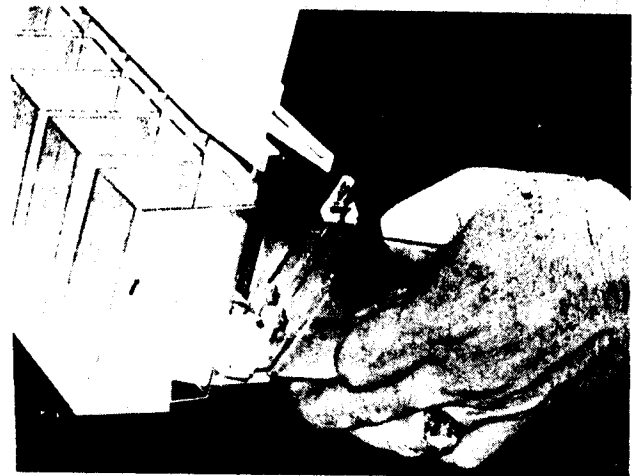
Observe that the timing is right. FIGURE 8-D shows the position of the black forward surface of the chain with respect to the slide when properly timed at arrows. If timing is right, manually pull the chain through in the direction of normal operation to engage support pins. (7-I arrow) →



The slide may now be replaced in the CSV-15 and the stop screw reinstalled.

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

- To disassemble, first remove all dispensing cups by tilting the top of each cup toward the front of the module and at right angle to the plane of the conveyor chain. After tilting, unsnap the cup, lift it up and out. Repeat until all are removed. (SEE FIGURE 8-A) →

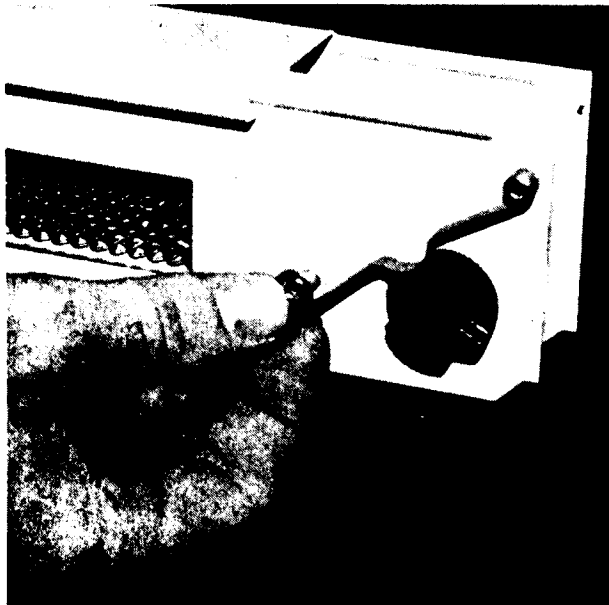


- After removing all cups, remove the conveyor chain (SEE FIGURE 8-B). Simply insert finger tip under one link and press inward on the next (FIGURE 8-B). The links will snap apart and the conveyor chain drops free.



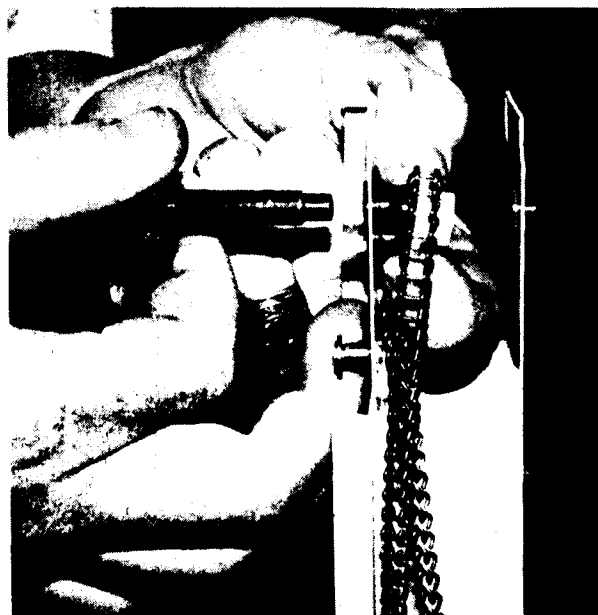
- Removal of the copper colored ladder chain commences with the release of the detent lever spring on the side of the slide (FIGURE 8-D).

← Reinstall the conveyor chain, snapping it together and positioning it so that the cup holding pins are directly opposite each other on each side of the module to assure proper timing (FIGURE 8-C).



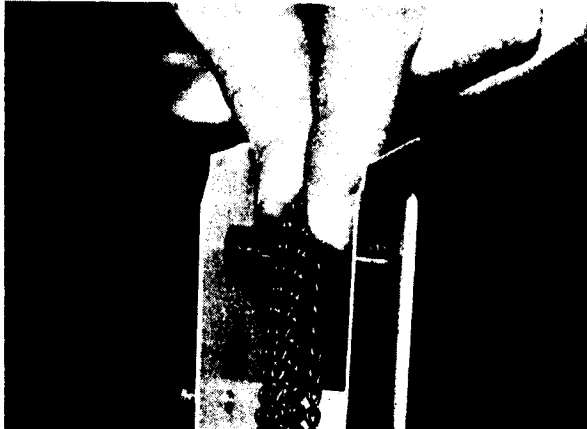
← Next, using E-ring pliers remove the spring steel snap ring holding the slide, sprocket and shaft together (FIGURE 8-E).

- The black plastic shaft can now be pulled from the side of the slide, dropping the sprocket and chain free (FIGURE 8-F).





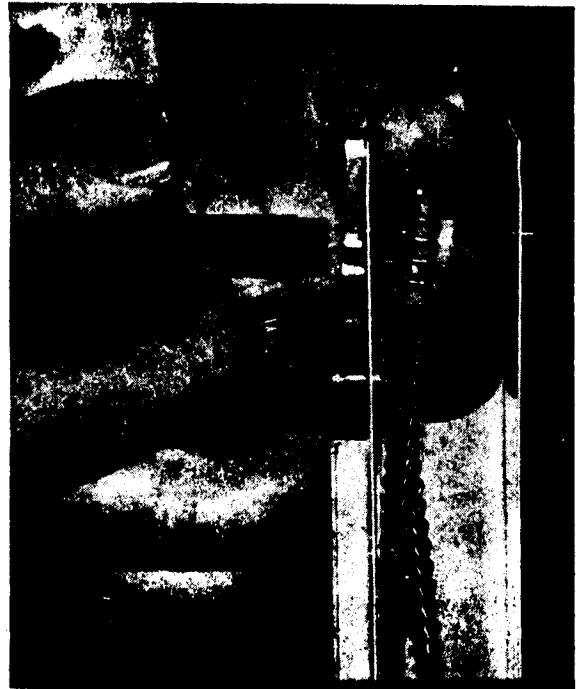
Polyvend
CONWAY, ARKANSAS



- The new ladder chain can now be installed. First, place it over the conveyor drive shaft sprocket and pull toward the rear of the slide, moving $\frac{1}{4}$ turn counterclockwise in the process (FIGURE 8-G).



- Holding the chain in the $\frac{1}{4}$ turn position, insert the black drive shaft through the black grommet and sprocket. Position snap ring over the shaft and complete insertion into opposite side of slide. Center the sprocket and position snap ring retainer on the shaft. Take care to check for proper timing of the conveyor chain. (The conveyor chain is properly timed when the cup holding pins on the chain are directly opposite each other on each side of the module and the black sprocket shaft is in the detent position (FIGURE 8-H).



- Reinstall all cups by reversing the technique shown in FIGURE 8-A.
- Reinstall the candy module in the dispenser and the machine, tightening the stop screw in the process. It is now ready to operate.

The dispenser motor assembly can be removed by withdrawing two phillips head screws at the bottom of the assembly, lowering it slightly and pulling it out. Care must be exercised to protect the pigtail connector wiring and unplug it as you remove the assembly. Reverse the procedure for re-installation.



WEDGE ASSEMBLY REPAIR

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 (Ivory), a slide (Ivory), two cylindrical wedge components and a compression spring. (FIGURE 9)

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.

All that remains is to reassemble using replacement parts as necessary. (Replacement parts are usually the chain housing segment or the cylinder lifter).

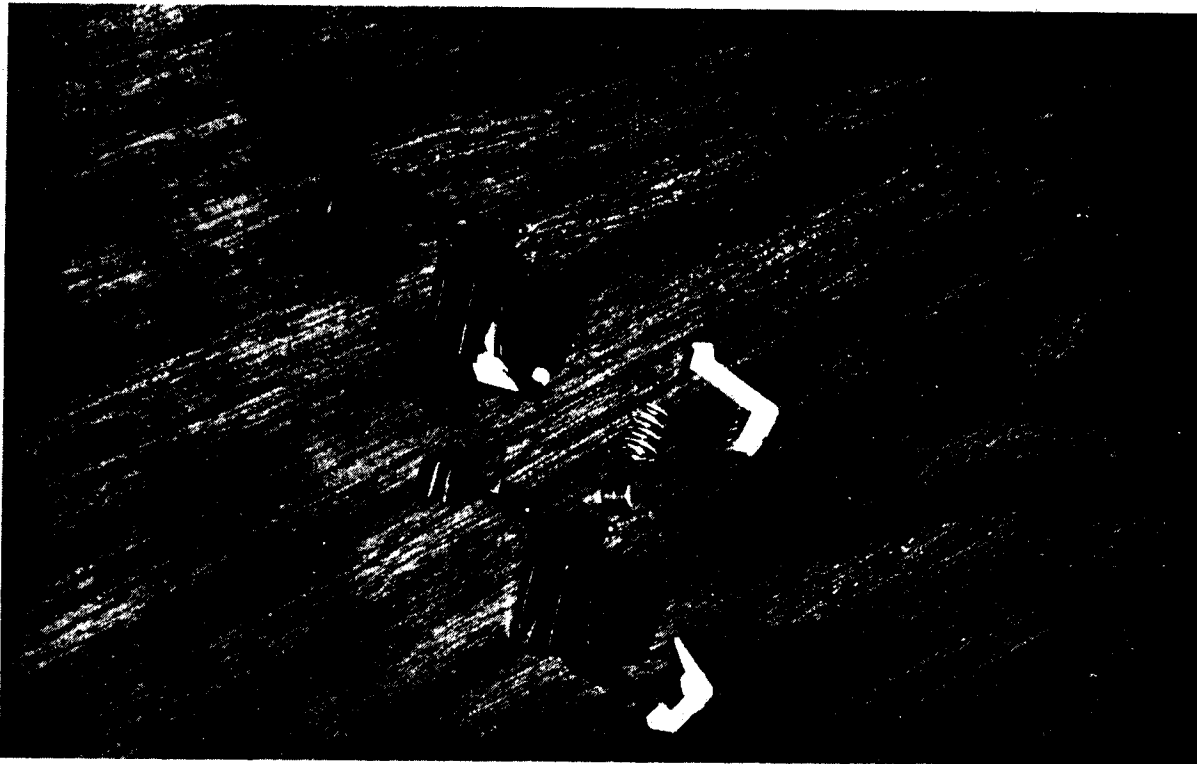


fig 9



ELECTRICAL

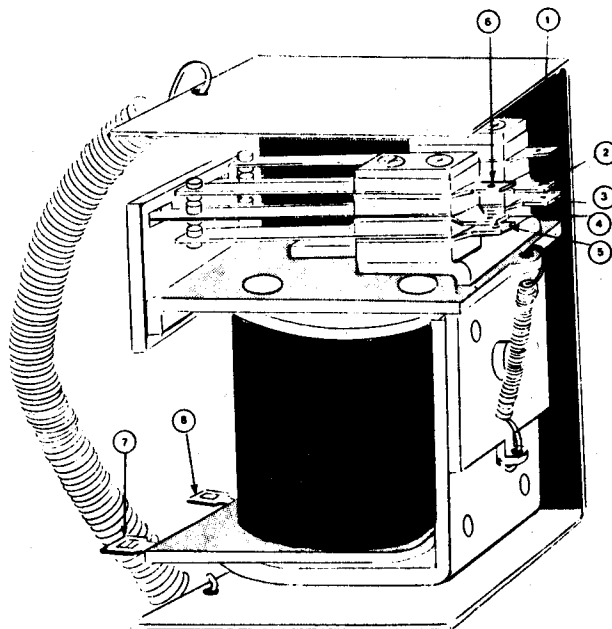
The Single Price Automatic Rack Merchandiser operates from a primary power source of 115 volts, 60 cycle A.C. This power source is reduced through a transformer to a secondary source of 24 volts, 60 cycle A.C. which supplies power to the entire machine with the exception of the fluorescent lighting. The low voltage system offers greater protection in the servicing and maintenance of the machine. The electrical schematic (FIGURE 12) shows the entire electrical system.

FIGURE 11 shows the right-hand inner side of the product compartment with the access panel pushed back. Item 1 in this figure is the vend relay (also shown in FIGURE 10). If the vend relay fails, it is replaced by detaching (pulling) the relay from its bracket (held only by a spring) and pulling each wire from its terminal. The new relay may then be installed by connecting the red wire to 1 (in FIGURE 10), the green wire to 2, the yellow wire to 3, the orange wire to 4, the brown wire to 5, and NO wire to 6. On the opposite side of the relay, the yellow wire is attached to 7 and the white wire to 8.

Item 4 of FIGURE 11 is the step down transformer for reducing the 115 VAC 60 cycle to 24 VAC 60 cycle. **WARNING:** The 24 V side has a white lead as well as a 24 V identification. Leads and connectors on the opposite side have a full 115 volt potential.

Item 5 is the fuse holder. The fuse can be replaced as required by turning the red cap on the bottom of the fuse holder toward the rear of the machine until it falls free. The fuse can then be replaced with a new one.

Lighting for the machine is supplied by two 15 watt fluorescent lamps located on the left side and top of the product compartment. In FIGURE 11, Items 2 are the starters for the fluorescents. Items 3 are the ballasts for the lights.



Vend Relay
Figure 10

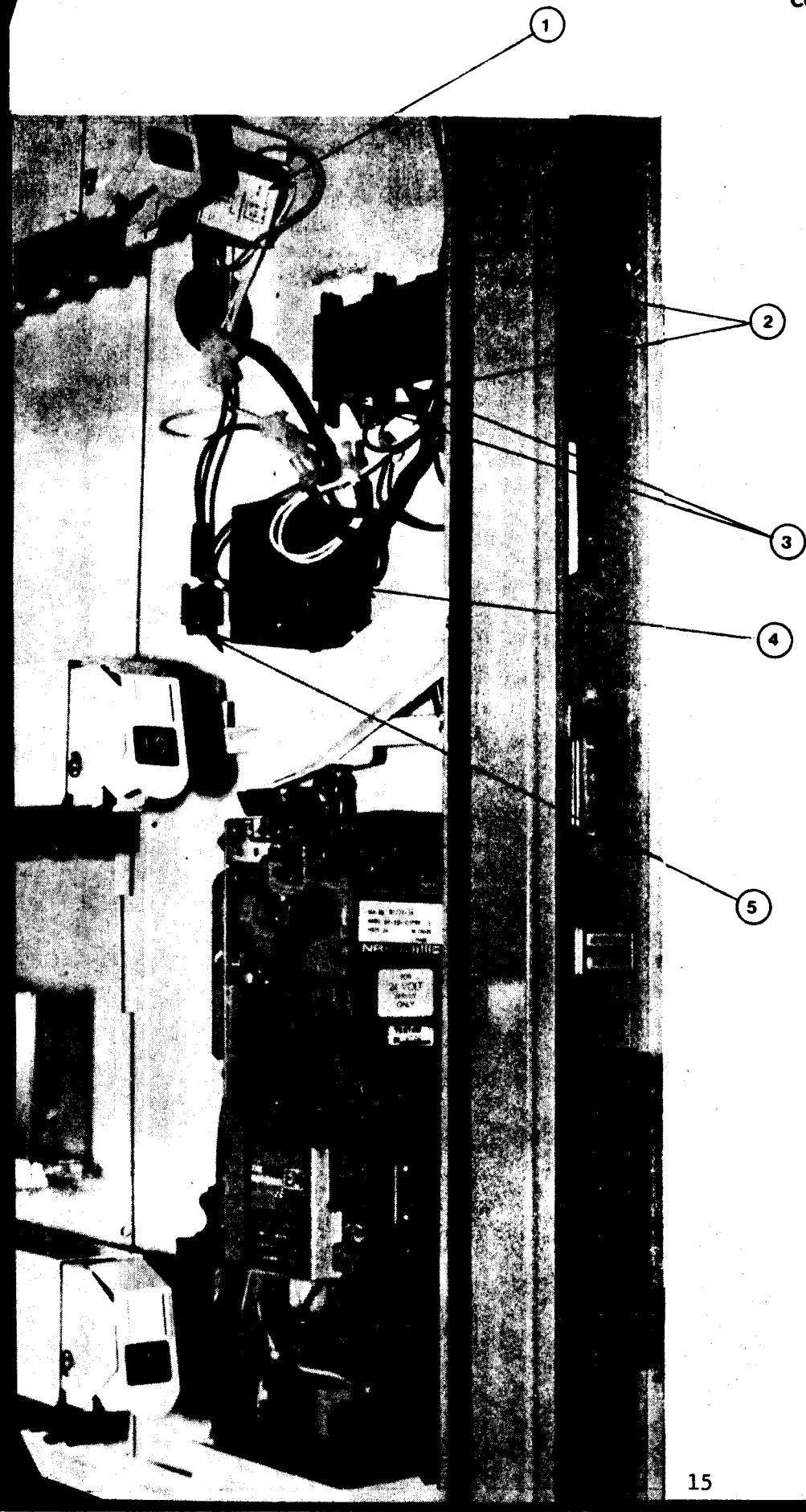
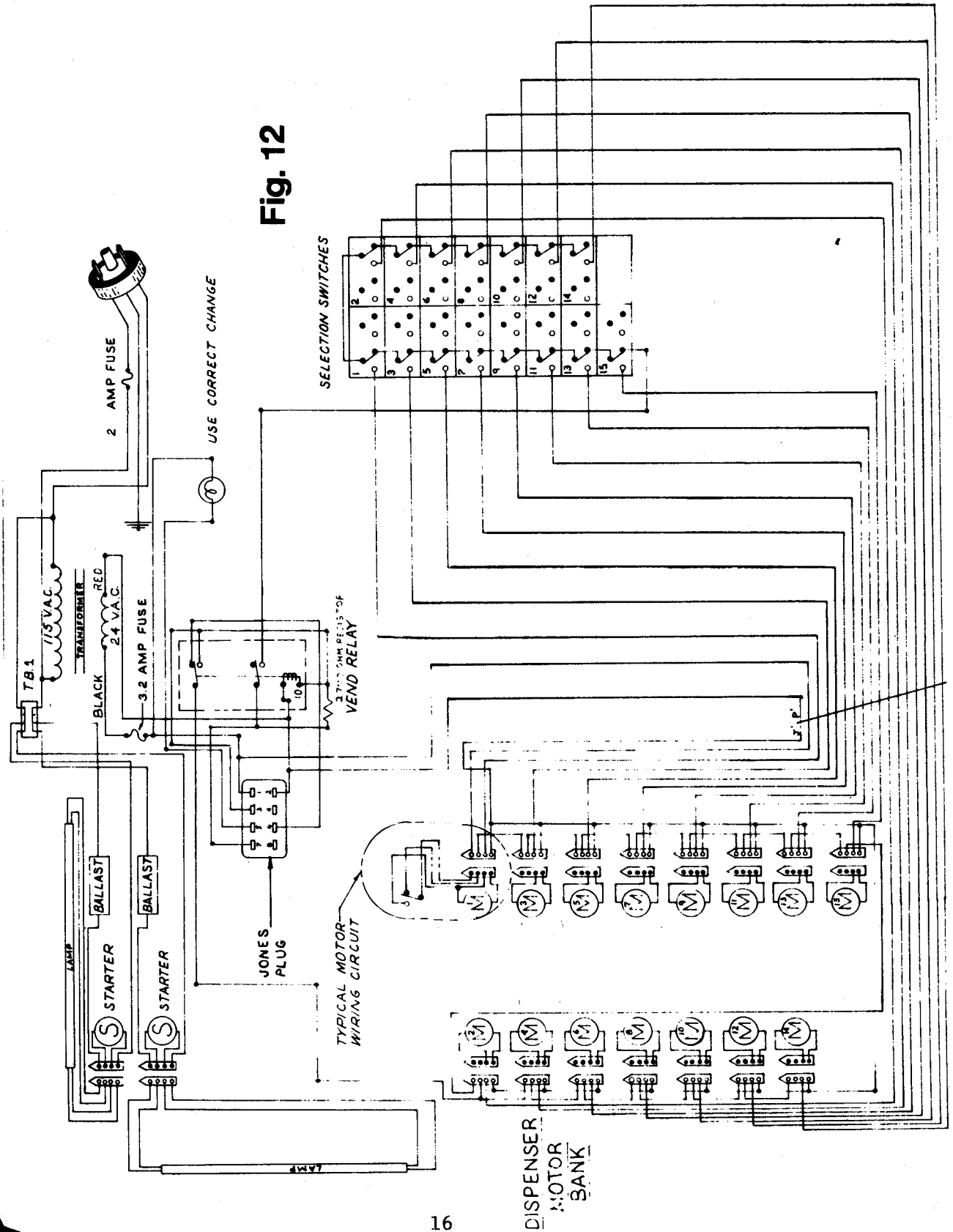


Fig. 11

Fig. 12





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 CSV-15. 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 and #5. Have someone hold cover from the rear or secure with tape to keep cover from falling off when screws are removed.

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



CSV-15 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)
 - Check for credit on machine.
 - 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 vend relay. This can be done by replacing relay with one that is known to be good. If blocking fingers are now retracted, relay was bad.
 - Manually pull #15 dispensing chain forward by grasping several segments with both hands. If it electrically picks up and completes one cycle, repeat for dispensing conveyor #1. If #1 fails to pick up electrically, the ladder circuit between #15 and #1 is broken. Locate break by testing each dispenser in order, beginning with #14, #13, #12, #11, #6, #7, #8, #9, #10, #5, #4, #3, #2, until the first dead position is found. This dead dispenser motor assembly, the previously tested assembly, or wiring between the two is faulty.
- If a selection has a chain that is too snug to pull forward, remove back door to inspect. Check to see if a module slide has been pushed too far in, causing the motor to bind. Also, check to see if the rear door may have been pushed in against the chain causing it to bind.
- If #15 and #1 completes cycle, coin changer is probably defective.



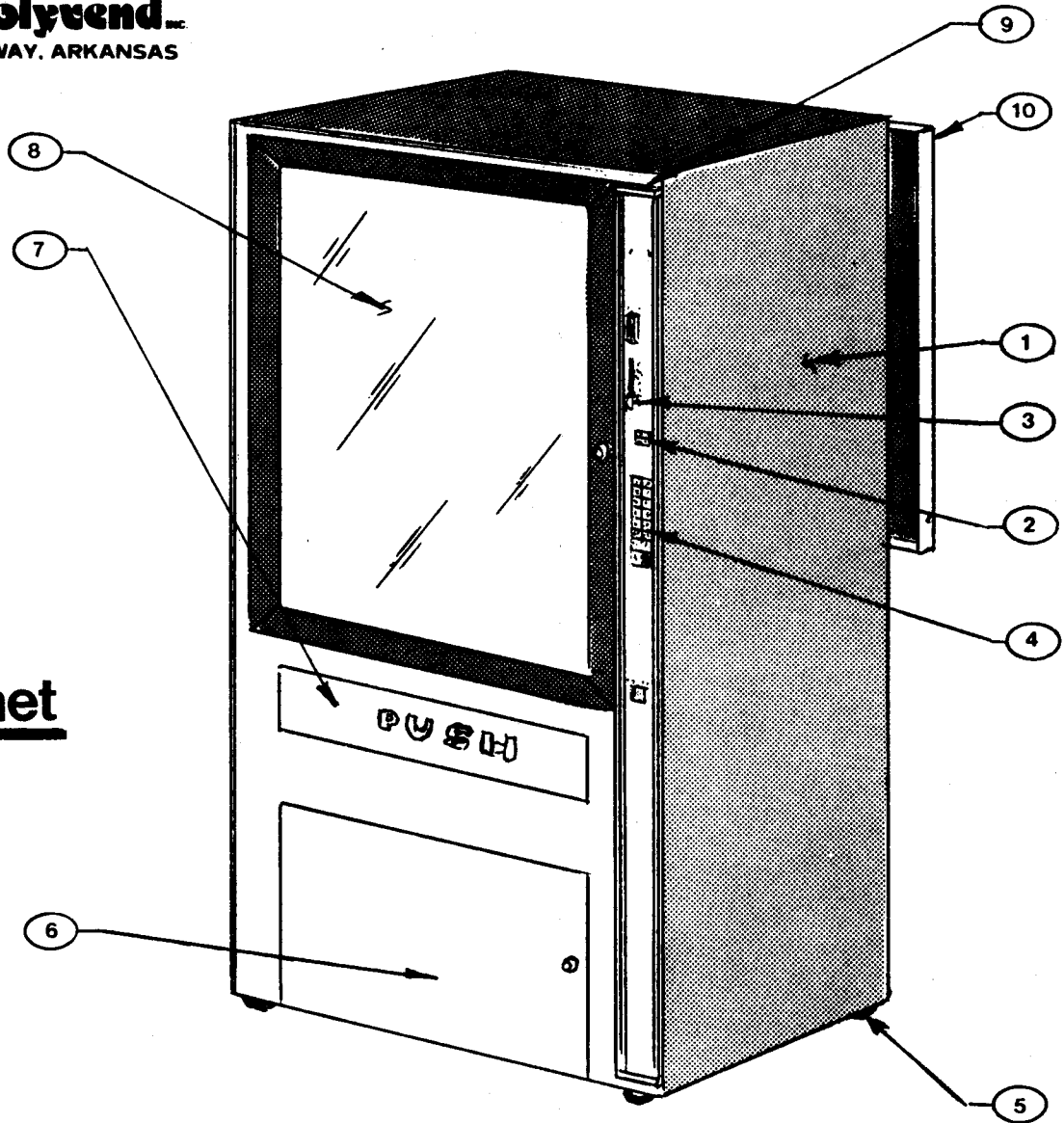
- MACHINE WILL ACCEPT COINS, BUT.....
 - No selection can be made.
 - Check for coins lodged in coin path of changer.
 - Check all connections.
 - Check wire continuity between vend relay and the series circuit starting at position #1 on the selector switch assembly.
 - Check for defective changer by substituting one known to be operable.
 - Only some selections can be made.
 - Changer must be a 24 volt single price unit.
 - 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.

- MACHINE WILL ACCEPT CERTAIN COINS BUT NOT OTHERS....
 - 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 nickles 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 electro-magnetic coil.



Polyvend
CONWAY, ARKANSAS



Cabinet

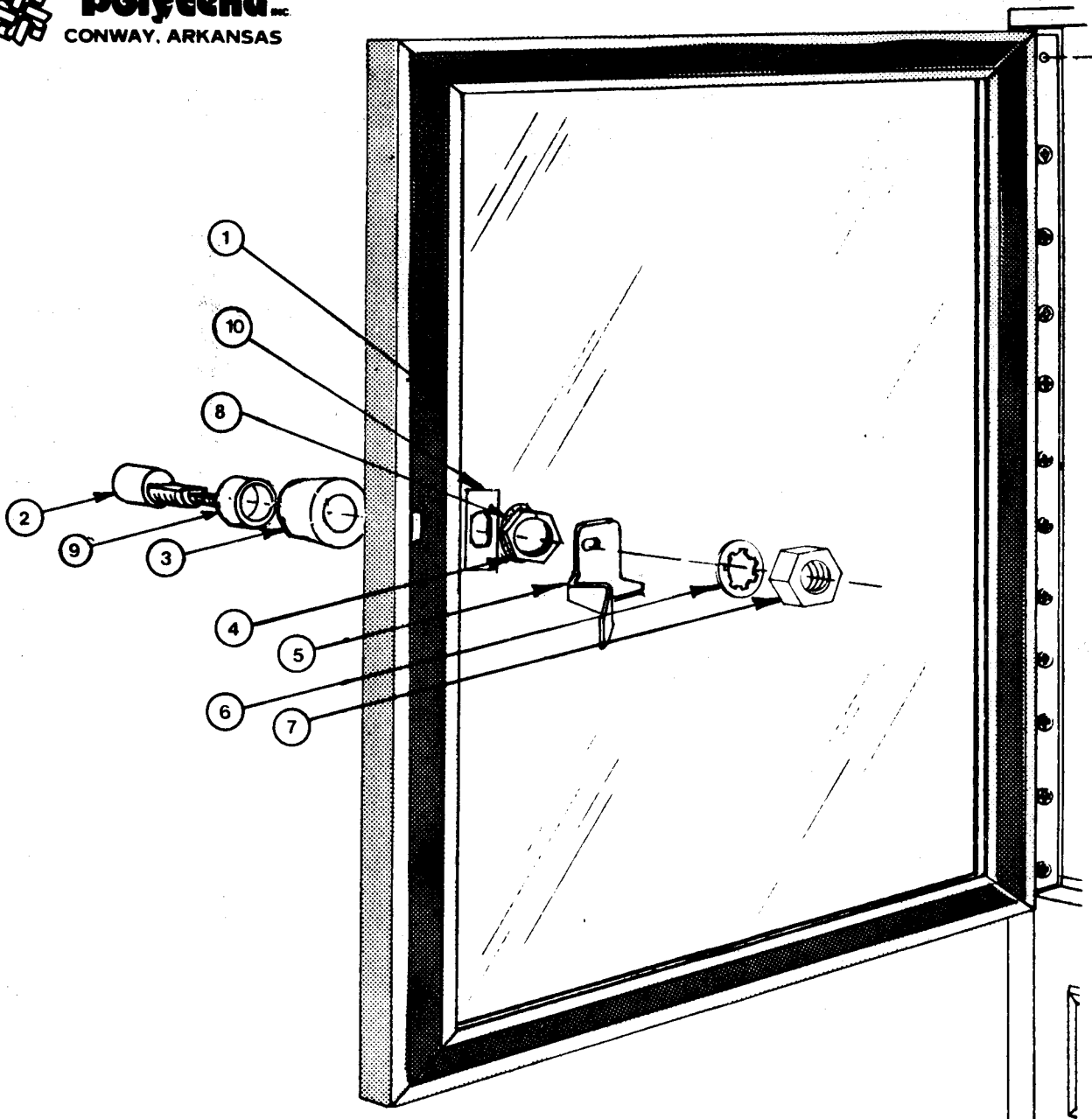
| INDEX | PART NO. | NOMENCLATURE |
|-------|------------|-------------------------------|
| 1 | R-11009-* | Outer Shell |
| 2 | A-1592 | Indicator Light |
| 3 | C-11031 | Reject Lever Assembly |
| 4 | C-11059 | Selector Switch Assembly |
| 5 | A-295 | Leg Equalizer |
| 6 | B-10960 * | Storage Compartment Door |
| 7 | A-11168 | Delivery Compartment Assembly |
| 8 | D-10113-02 | Product Loading Door |
| 9 | C-4960 | Trim Cap |
| 10 | C-11027-* | Rear Door |

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

| | |
|-----|-----------------|
| -02 | Vendo Beige |
| -03 | Beige Enamel |
| -05 | Pearlstone Grey |



Polyvend
CONWAY, ARKANSAS



Product Loading Door

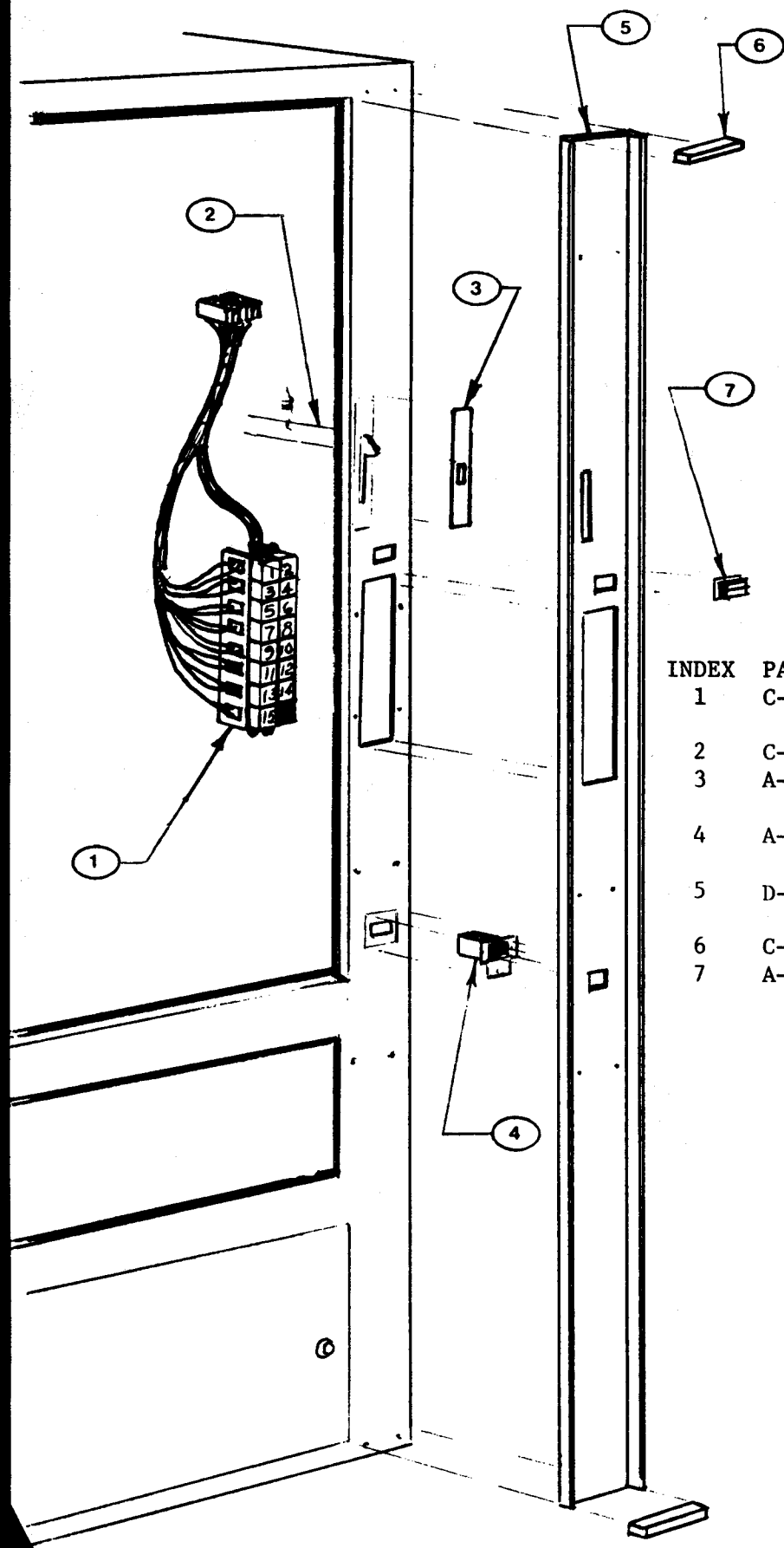
A-10113-02

Lock Assembly B-10114

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

*-Please Specify Key Number when ordering-

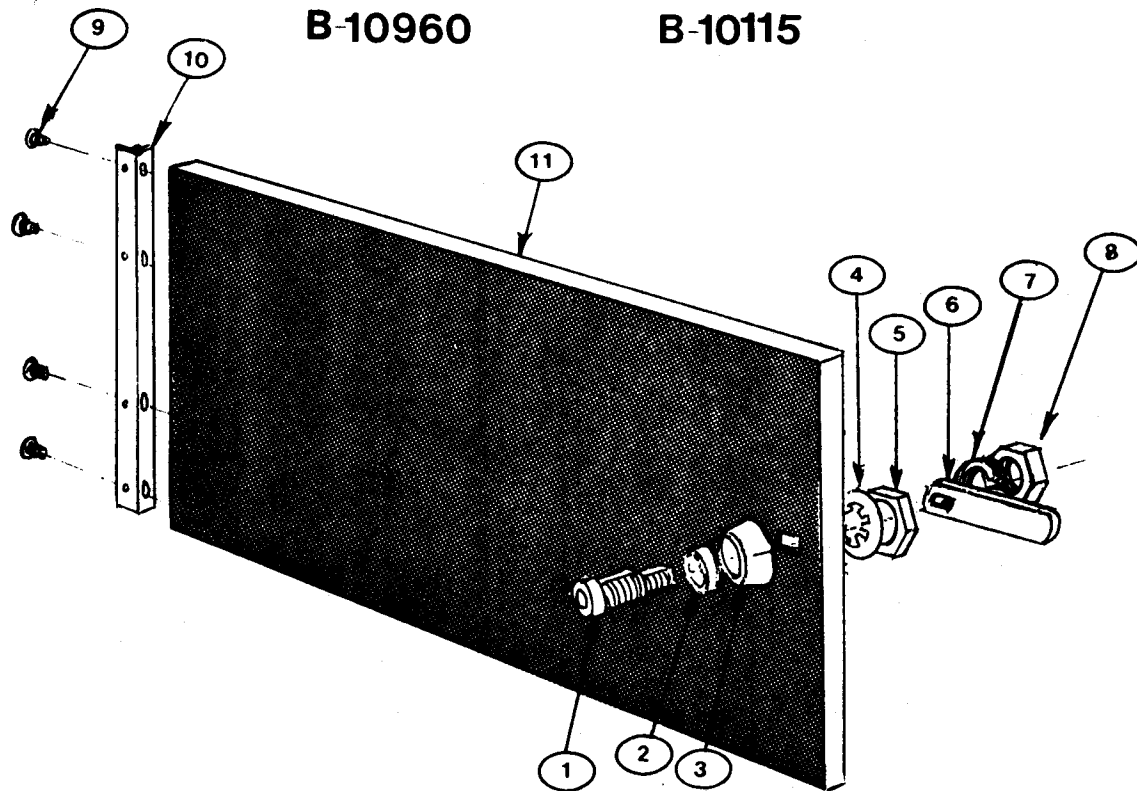
B-10114 Lock Assembly includes No. 2 thru 9



trim

| INDEX | PART NO. | NOMENCLATURE |
|-------|-----------|--------------------------|
| 1 | C-11059 | Selector Switch Assembly |
| 2 | C-11031 | Reject Lever Assy |
| 3 | A-1414 | Reject Lever Cover Plate |
| 4 | A-10342 | Coin Return Cup Assembly |
| 5 | D-5041-02 | Escutcheon Plate |
| 6 | C-4960 | Trim Cap |
| 7 | A-1592 | Indicator Light |

storage door & lock ass'y



| INDEX | PART NO. | NOMENCLATURE |
|-------|----------|--|
| 1 | B-351** | Flex-Ace Lock, Keyed MSU |
| 2 | A-1676 | Spacer Collar |
| 3 | A-575 | Protecting Collar |
| 4 | A-366 | Washer-Shakeproof |
| 5 | A-1788 | Hex Nut |
| 6 | A-3548 | Cam |
| 7 | A-357 | Washer - Shakeproof |
| 8 | A-358 | Hex Nut |
| 9 | A-638 | Screws - #8-32 x 3/8" Type 23 (undercut Flat hd Phillips Recess, Z.P.) |
| 10 | B-2305 | Hinge |
| 11 | C-5137-* | Storage Compartment Door |

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

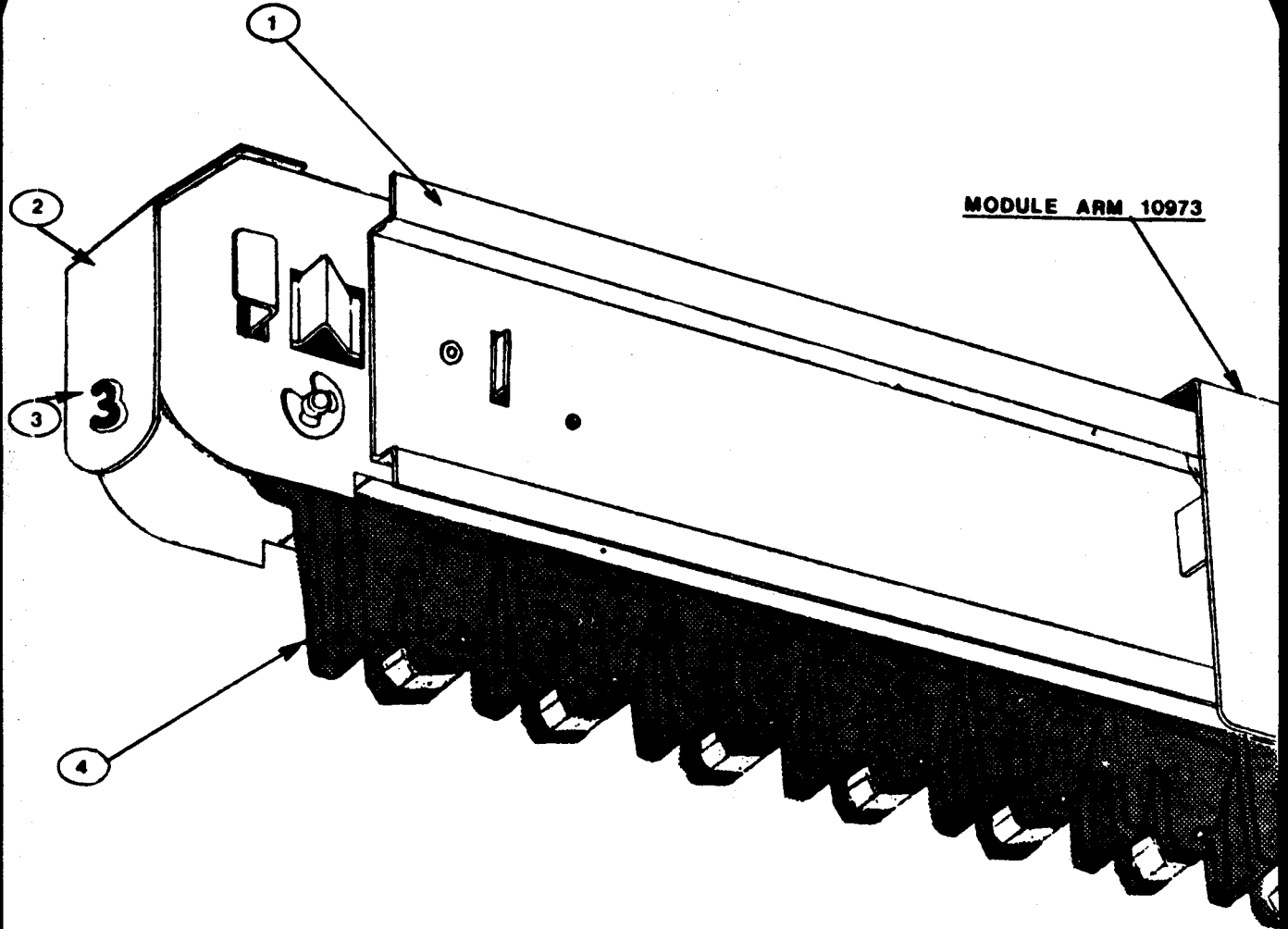
- 02 Vendo Beige
- 03 Beige Enamel
- 05 Pearlstone Grey

B-10115 Lock Assembly -- Includes No. 1 thru 8

** Please specify key number



Polyvend
CONWAY, ARKANSAS



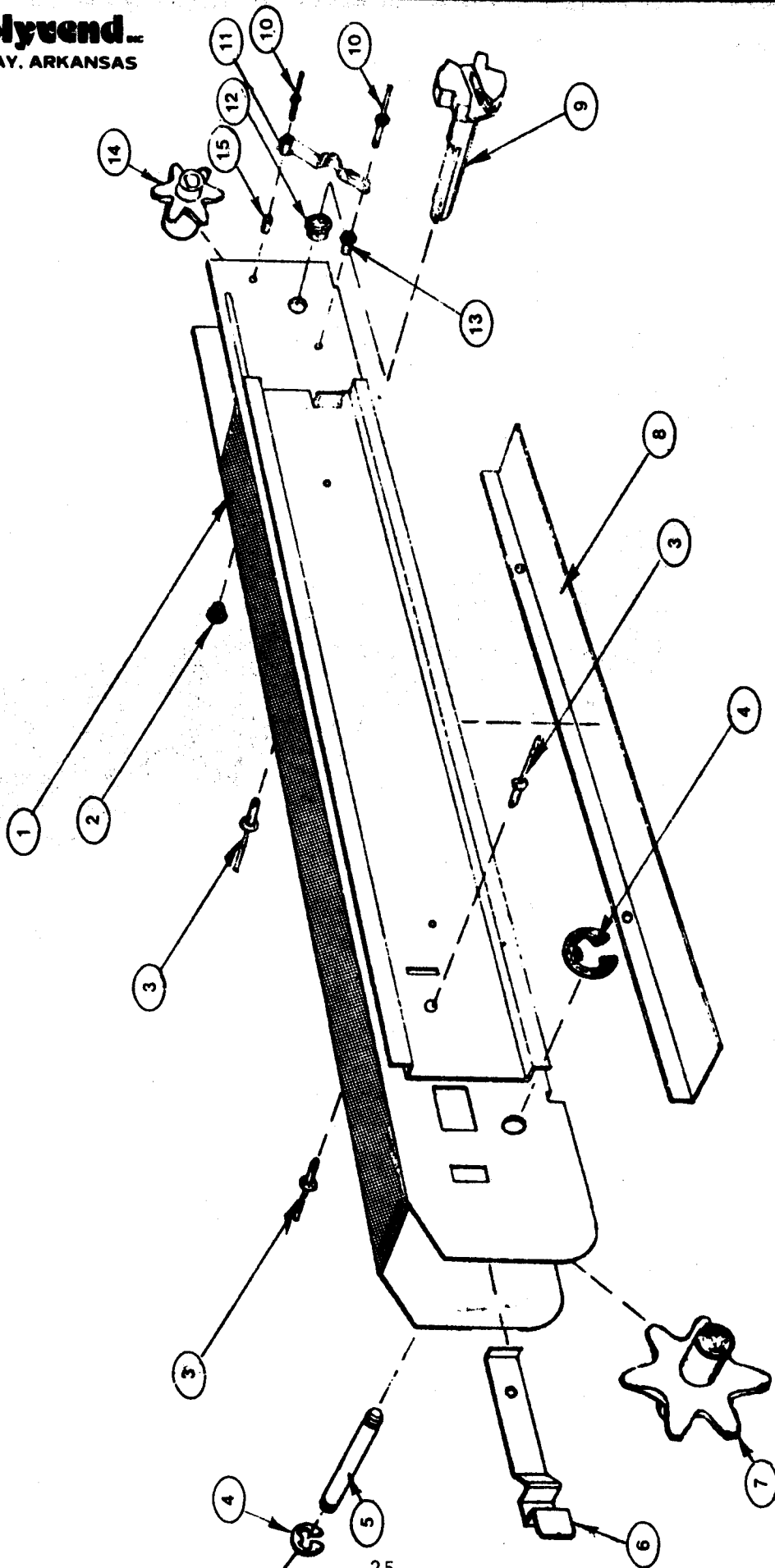
Rack Module Assembly B-10972

| INDEX | PART NO. | DESCRIPTION |
|-------|-------------|---------------------------|
| 1 | B-10971-00* | Slide and Module Assembly |
| 2 | A-10410-00 | Tab and Stripper Assembly |
| 3 | A-5213 | Number Tab |
| 4 | B-10965 | Chain Complete |

* Please specify color
-01 White

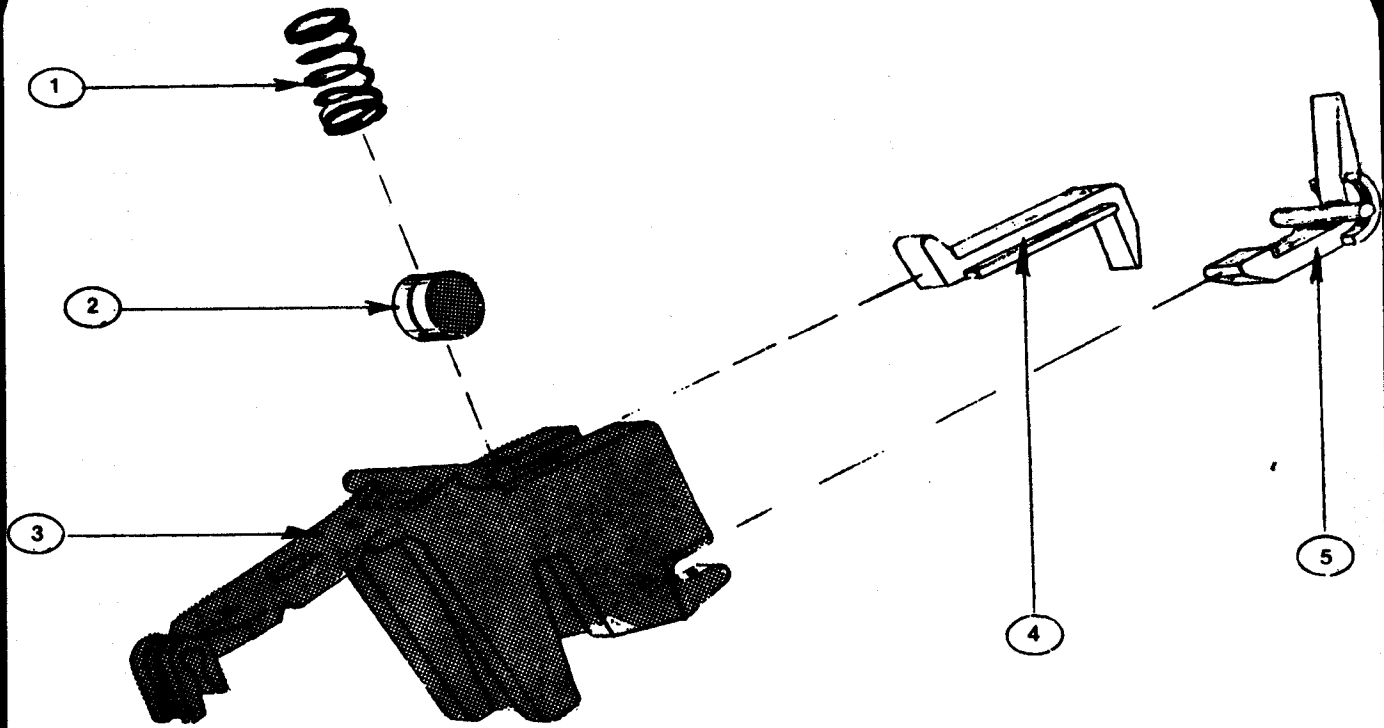


Polyvend
CONWAY, ARKANSAS



RACK MODULE - B-10972

| INDEX | PART NO. | DESCRIPTION |
|-------|------------|---------------------------------|
| 1 | B-10971-01 | Slide and Module Assembly |
| 2 | A-730 | Bushing |
| 3 | A-729 | "Pop" Rivet SD-42-BS |
| 4 | A-2559 | "E" Ring, Tru Arc |
| 5 | A-2558 | Front Sprocket Shaft |
| 6 | A-1744 | Spring Lock |
| 7 | A-2565 | Sprocket -- Front |
| 8 | A-4994 | Chain Guide |
| 9 | A-1741 | Sprocket Shaft -- Rear |
| 10 | A-1642 | "Pop" Rivet SD-45-BS |
| 11 | A-1743 | Spring, Rear Sprocket, Detent |
| 12 | A-1178 | Bearing Bushing |
| 13 | A-1745 | Spacer - Detent, Spring "T" |
| 14 | A-2563 | Sprocket - Rear |
| 15 | A-1869 | Spacer - Detent, Spring "plain" |

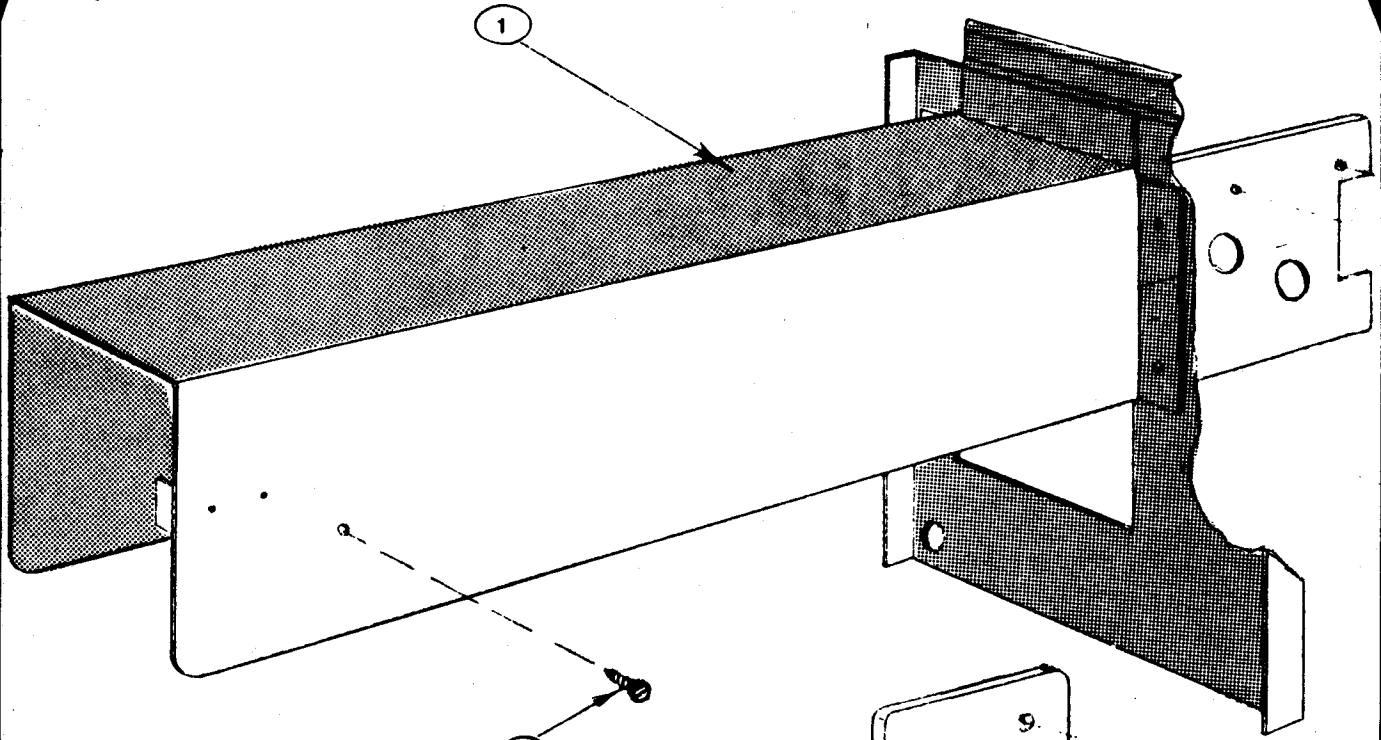


CHAIN SEGMENT ASSEMBLY A-10416

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

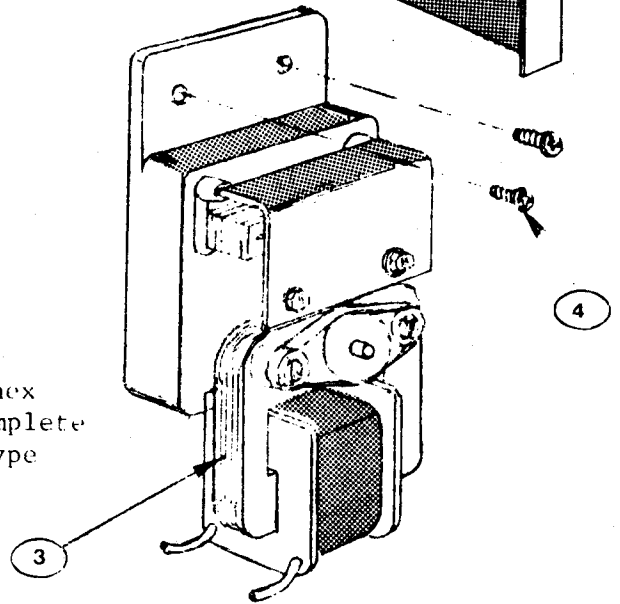


Polyend.
CONWAY, ARKANSAS



MODULE ARM COMPLETE A-10973-01

| INDEX | PART NO. | DESCRIPTION |
|-------|-----------|--|
| 1 | B-4899-01 | Module Arm |
| 2 | A-689 | Screw 8 - 32 x 3/8 hex |
| 3 | C-10434 | Motor Assembly - Complete |
| 4 | A-1868 | Screw - #8-32 x 1/2 Type B Pan Hd Ph Recess ZPYD |

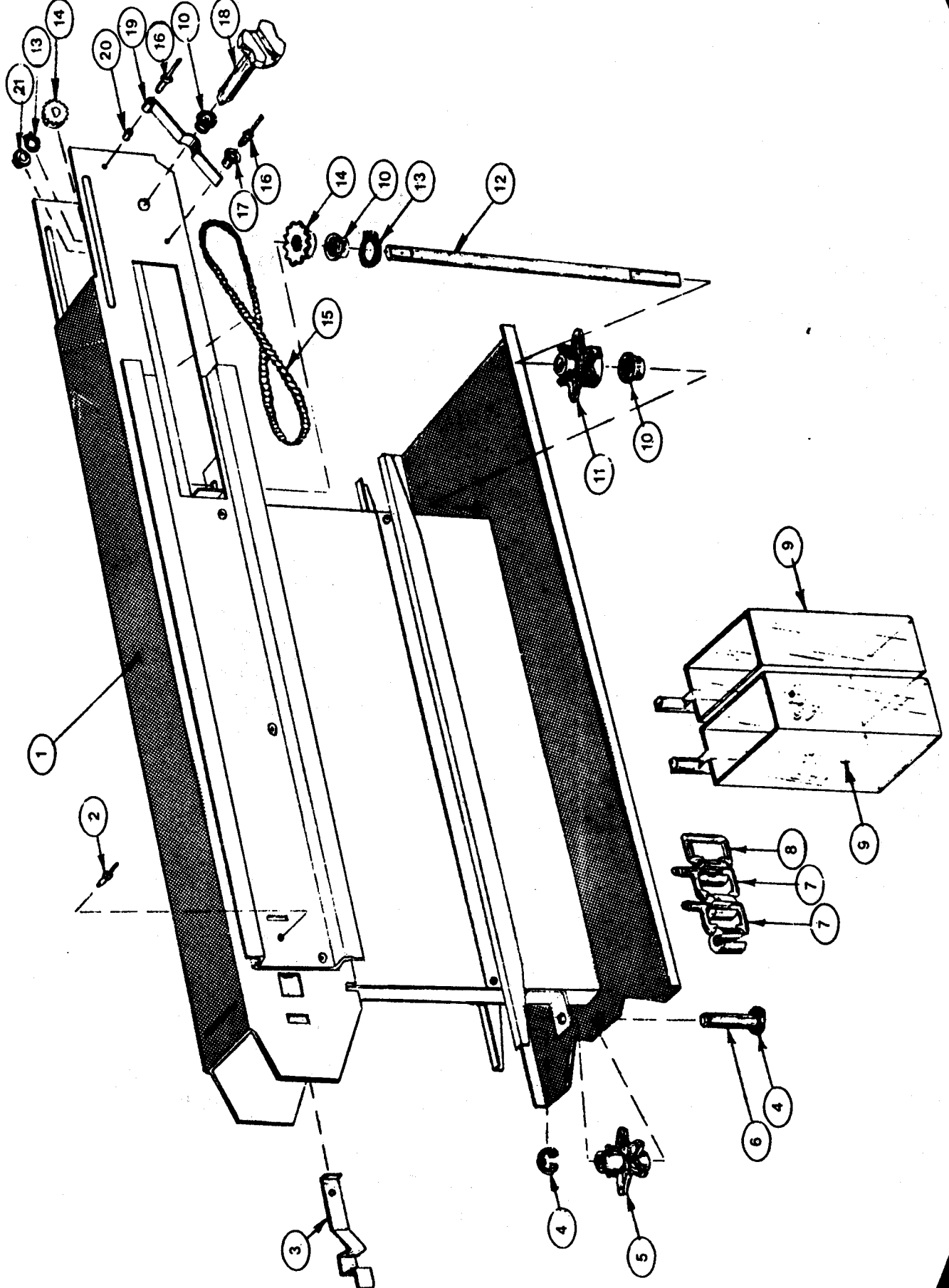


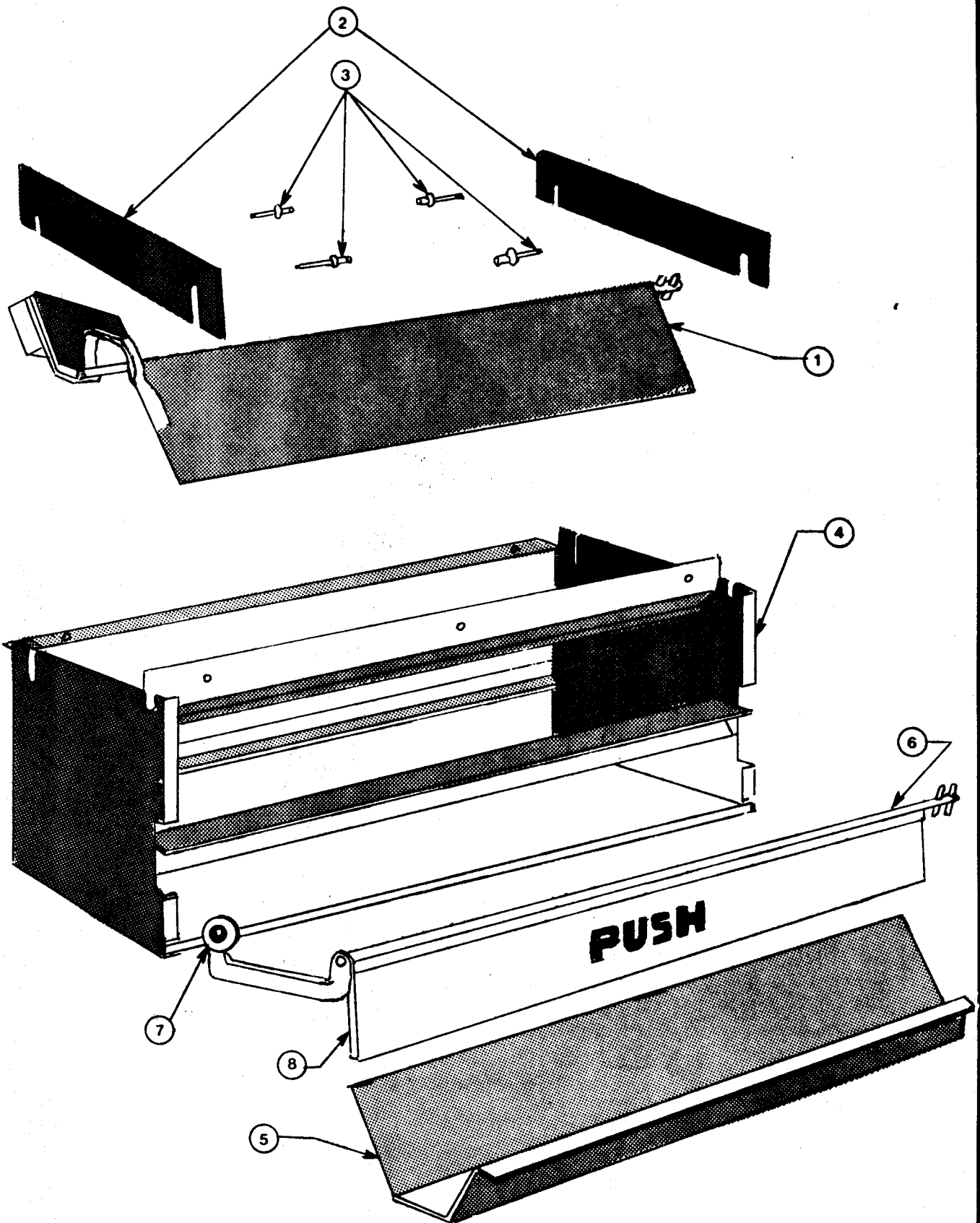
CANDY MODULE B-11086 & B-11060

| INDEX | Large Cup B-11086 PART NO. | Small Cup B-11060 PART NO. | DESCRIPTION |
|-------|----------------------------------|----------------------------------|--------------------------------|
| 1 | C-11053 | C-11053 | Candy Slide & Module |
| 2 | A-729 | A-729 | "Pop" Rivet SD-42-BS |
| 3 | A-1744 | A-1744 | Spring Lock |
| 4 | A-2559 | A-2559 | "E" Ring, Tru Arc |
| 5 | A-2565 | A-2565 | Front Sprocket |
| 6 | A-2558 | A-2558 | Front Sprocket Shaft |
| 7 | A-1945 | A-1945 | Cup Retainer Link |
| 8 | A-1946 | A-1946 | Plain Link |
| 9 | C-4886 | C-1940 | Dispensing Cup |
| 10 | A-1178 | A-1178 | Bearing Bushing |
| 11 | A-2563 | A-2563 | Rear Sprocket |
| 12 | A-1939 | A-1939 | Vertical Shaft |
| 13 | A-2225 | A-2225 | Gripring |
| 14 | A-1927 | A-1927 | Drive Sprocket |
| 15 | A-1928 | A-1928 | Ladder Chain |
| 16 | A-1642 | A-1642 | "Pop" Rivet SD-45-BS |
| 17 | A-1745 | A-1745 | Spacer - Detent Spring "(T)" |
| 18 | A-1741 | A-1741 | Rear Sprocket Shaft |
| 19 | A-1743 | A-1743 | Rear Sprocket Detent Spring |
| 20 | A-1869 | A-1869 | Spacer - Detent Spring (Plain) |
| 21 | A-730 | A-730 | Bushing |
| 22 | C-11085 | C-11061 | Divider and Bottom Assembly |



Polyvend
CONWAY, ARKANSAS



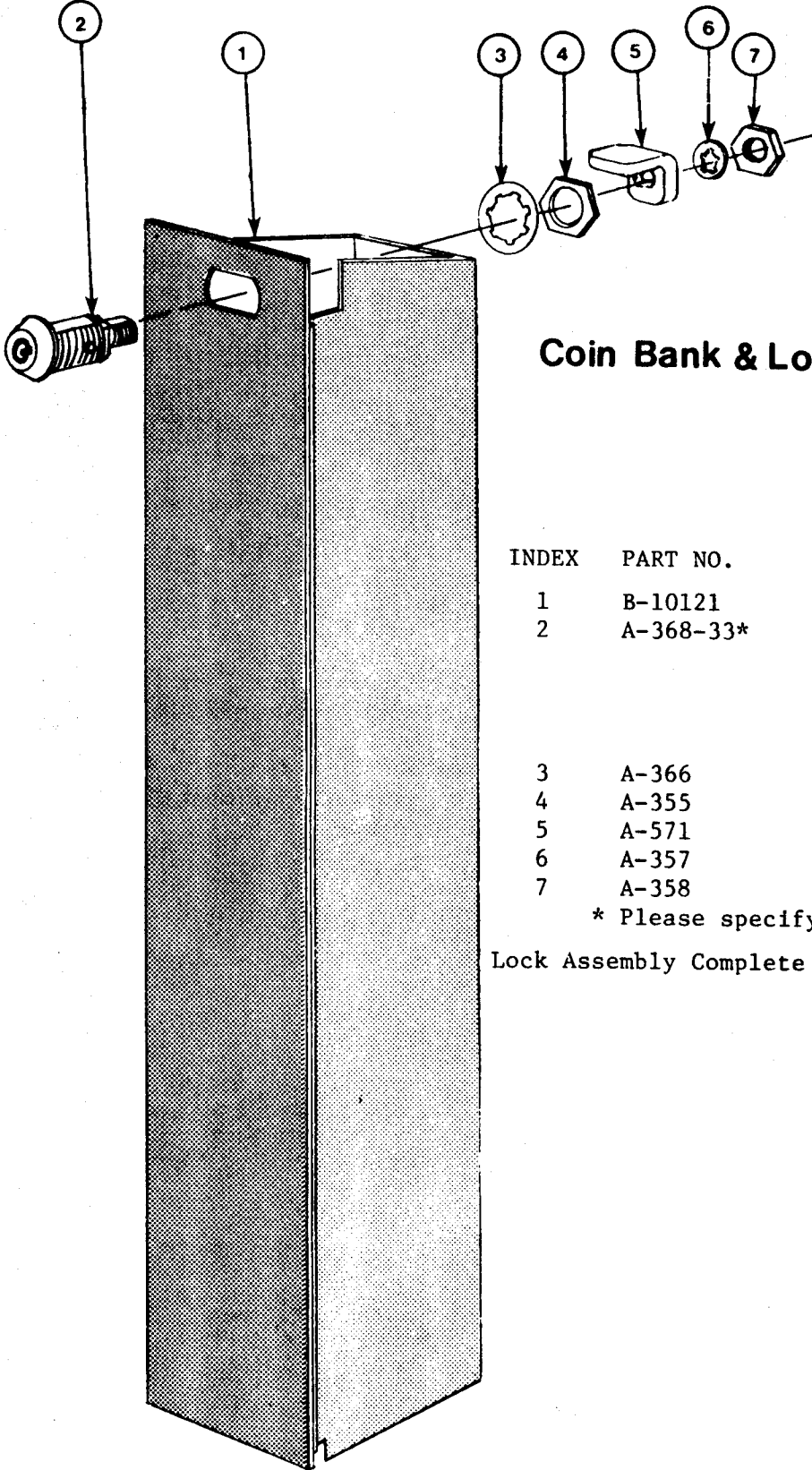




Polyvend
CONWAY, ARKANSAS

DELIVERY COMPARTMENT COMPLETE - A-11168

| INDEX | PART NO. | NOMENCLATURE |
|-------|------------|---|
| 1 | C-10431-01 | Door Assembly - Anti-theft |
| 2 | B-1817 | Retainer, Delivery Compartment Door |
| 3 | A-729 | "Pop" Rivet - Delivery Compartment-Door Retainer |
| 4 | D-10469-01 | Delivery Compartment Assembly |
| 5 | B-1841 | False Bottom - Delivery Compartment |
| 6 | D-10432-01 | Arm and Channel Assembly |
| 7 | A-534 | Skate Wheel |
| 8 | B-1851-01 | Plexiglas Door |



Coin Bank & Lock Assembly

| INDEX | PART NO. | NOMENCLATURE |
|-------|-----------|--|
| 1 | B-10121 | Coin Bank |
| 2 | A-368-33* | Ace 7 Pin Tumbler (keyed MST-33 unless specified otherwise on order). Other numbers available are MST-7 thru 32. |
| 3 | A-366 | Lockwasher |
| 4 | A-355 | Hex Nut |
| 5 | A-571 | Cam |
| 6 | A-357 | Lockwasher, Shakeproof |
| 7 | A-358 | Hex Nut |

* Please specify key number

Lock Assembly Complete B-10118* includes 2 thru 7.

POLYVEND MODEL CSV-15

Single Price Unit

ALPHABETICAL PARTS LIST

| PART NUMBERS | NOMENCLATURE |
|--------------|---|
| D-10432..... | Arm & Channel Ass'y. - Delivery Compartment |
| B-10969..... | Arm & Track Assembly |
| C-4862..... | Baffle - Left Side |
| C-4859..... | Baffle - Right Side |
| A-104..... | Ballast |
| A-1178..... | Bearing Bushing |
| B-4852..... | Bottom, Product Display |
| A-1704..... | Bracket - Fuse Holder |
| A-597..... | Bracket - Mounting Jones Receptacle |
| A-1416..... | Bracket - Mounting - Reject Lever |
| A-1322..... | Bushing, Snap SB-2000, Right Side Panel |
| B-8439..... | Bracket - Side Lamp (amp) |
| B-795..... | Bracket - Top Lamp (amp) |
| A-842..... | Bumper, Rubber |
| A-326..... | Bumper, Associated Rubber |
| A-730..... | Bushing - Candy Module |
| A-777..... | Cable Clamp - R.H. Panel Assembly |
| A-571..... | Cam, Chicago Lock #7-586 |
| A-3548..... | Cam, Storage Door |
| A-1531..... | Cam, Product Loading Door - Lock |
| C-11053..... | Candy Slide and Module |
| B-11086..... | Candy Module (large cup) |
| B-11060..... | Candy Module (small cup) |
| B-10965..... | Chain Assembly - Complete |
| A-4994..... | Chain Guide |
| D-1723..... | Chain Housing Segment |
| A-1928..... | Chain - Ladder |
| A-10416..... | Chain Segment Assembly |
| A-1489..... | Clip, Mounting (Fuse Holder) |
| A-10342..... | Coin Return Cup Assembly |
| B-10230..... | Coin Return Cup Assembly |
| A-549..... | Coin Release Extension |
| C-11029..... | Coin Chute Assembly -- Upper |
| C-10898..... | Coin Hopper & Chute Assembly |
| B-10121..... | Coin Bank Assembly |
| A-1676..... | Collar - Spacing (3/8") |
| A-575..... | Collar, Protecting for flex-ace lock |
| A-1414..... | Cover Plate - Reject Lever |
| B-5158..... | Cover, L.H. Rear Brace |
| 11066..... | CSV-15 Assembly Complete |
| C-1719..... | Cylinder Lifter |



| PART NUMBER | NOMENCLATURE |
|-----------------|---|
| A-5213..... | Decal - Selection Numbers (1-15) |
| A-11168..... | Delivery Compartment Assembly |
| D-10469..... | Delivery Compartment Assembly |
| C-11061..... | Divider and Bottom Assembly - Candy Module |
| C-11085..... | Divider and Bottom Assembly - Candy Module |
| C-11028..... | Door Assembly - Rear |
| C-11027..... | Door Assembly - Rear |
| D-10113-02..... | Door Assembly - Product Loading |
| B-10960..... | Door Assembly - Storage Compartment |
| B-11167..... | Door Assembly - Plexiglass |
| B-10493..... | Door Assembly - Anti-theft |
| A-577..... | Door - Coin Return Cup |
| B-1851-02..... | Door - Plexiglass |
| B-1817..... | Door Retainer - Delivery Compartment |
| C-5137..... | Door - Storage Compartment |
| B-5157..... | Door - Sliding |
| A-2559..... | "E" Ring Tru Arc |
| A-198..... | Envelope 9½" x 12½" |
| A-295..... | Equalizer, Leg |
| B-11012..... | Escutcheon Plate Assembly |
| D-5041-02..... | Escutcheon Plate - Right Side |
| A-1235..... | Extrusion - Right Side - Product Door |
| A-1240..... | Extrusion - Left Side - Product Door |
| A-1241..... | Extrusion - Top & Bottom - Product Door |
| B-1841..... | False Bottom - Delivery Compartment |
| A-1362..... | Fastner, Secure-A-Tie |
| A-1488..... | Fuse #GMQ 3.2 amp |
| A-1811..... | Glass, Tempered 3/16" x 25 13/16 x 36 3/16" |
| A-2225..... | Gripring |
| A-1706..... | Harness, Fuseholder |
| C-1702..... | Harness, Lamp - Top and Side |
| B-2305..... | Hinge - Storage Compartment Door |
| A-1248..... | Hinge - Product Door |
| B-4959..... | Insert - Coin Casting |
| A-1919..... | Instructions, Cleaning |
| A-1243..... | Key, extruded corner - Product Door |
| A-546..... | Lamp, Fluorescent |
| A-801..... | Lampholder, (amp) #1-480344-0 |
| B-10217..... | Light Fixture Assembly - Top |
| B-11362..... | Light Fixture Assembly, Left Side |
| A-1592..... | Light, Indicator 28V W/split legend |
| A-10118..... | Lock Assembly |
| A-10114..... | Lock Assembly (Service Door) |
| A-10115..... | Lock Assembly |
| A-266..... | Lockwasher #8 Internal Tooth |
| A-366..... | Lockwasher |
| A-357..... | Lockwasher |
| A-772..... | Lower Track - Sliding Door |
| C-10483..... | Module Arm |

| PART NUMBER | NOMENCLATURE |
|----------------|--|
| A-10973..... | Module Arm Assembly Complete |
| C-10970..... | Module Arm and Plate Assembly |
| C-10434..... | Motor Assembly - Complete |
| A-5162..... | Nameplate CSV-15 |
| A-1788..... | Nut - Hex |
| A-358..... | Nut - Hex |
| A-355..... | Nut - Hex |
| D-11034..... | Panel Assembly - Right Side |
| C-10996..... | Panel Assembly - Motor Mounting |
| A-1946..... | Plain Link |
| A-1293-17..... | Plate - Data |
| A-1302..... | Plate "Patent Notice" |
| A-1250-02..... | Plate - Reinforcing - Front Door Lock |
| A-729..... | "Pop" Rivet #SD-42-BS |
| A-1642..... | "Pop" Rivet #SD-45-BS |
| A-4990-01..... | Price Insert 15¢ |
| A-4990-02..... | Price Insert 20¢ |
| A-10484..... | Rack Module Assembly |
| B-10972..... | Rack Module Assembly - Complete |
| C-11031..... | Reject Lever Assembly |
| C-4864..... | Reject Lever |
| A-1415..... | Reject Lever Tab |
| A-10184..... | Relay Bracket Assembly |
| A-642..... | Rivit, Drive - Southco #38-10 |
| A-5138..... | Rivit, Drive |
| A-1272..... | Roll Pin 3/32 dia. x 5/8" lg |
| A-766..... | Screen, Fiberglass 2" x 3 3/4" |
| A-289..... | Screw, #8-32 x 3/8" PH type "F" thread cutting |
| A-1298..... | Screw, #8 x 3/8" PH Pan "AB" Dichromatic |
| A-300..... | Screw, #6 x 7/8 "A" |
| A-601..... | Screw, #10-24 x 3/8 |
| A-863..... | Screw, #4-40 x 1/2 P.H. Pan "23" ZP |
| A-1210..... | Screw #8-32 x 5/16 Machine P.H. Pan SS |
| A-681..... | Screw #8-32 x 3/4" "F" |
| A-1868..... | Screw #8-1/4 Type "B" Pan H.D. PH Recess, ZPVD |
| A-638..... | Screw #8-32 x 3/8 Type 23 Undercut flat hd Phillips Recess Z.P. |
| A-318..... | Screw, 1/4-20 x 5/8 "23" |
| A-286..... | Screw, #10-32 x 1/2 "F" |
| A-302..... | Screw #6-32 x 3/8" Machine, Mt. Jones Receptacle |
| A-689..... | Screw #8-32 x 3/8 swageform slot hex hd washer |
| C-11059..... | Selector Switch Assembly - Single Price |
| B-1872..... | Selector Switch Guard |
| C-1627..... | Selector Switch Button #1-15 & One Blank |
| A-538..... | Service Cord |
| A-1741..... | Shaft, Rear Sprocket |
| A-2558..... | Shaft, Front Sprocket |
| A-1939..... | Shaft, Vertical |



Polyvend
CONWAY, ARKANSAS

| PART NUMBER | NOMENCLATURE |
|-----------------|---|
| R-11009..... | Shell, Outer - Assembly |
| D-10427..... | Shell Front Panel Assembly |
| A-534..... | Skate Wheel |
| C-1717..... | Slide - Chain Segment |
| B-10971-00..... | Slide & Module Assembly |
| A-1745..... | Spacer - Detent Spring |
| A-1869..... | Spacer - Detent Spring (Plain) |
| A-827..... | Spacer - Reject Lever |
| A-611..... | Spring - Relay Mounting |
| A-1744..... | Spring Lock, Module Assembly |
| A-1743..... | Spring - Rear Sprocket Detent |
| A-1720..... | Spring - Compression |
| A-84..... | Spring |
| A-1927..... | Sprocket - Drive |
| A-2563..... | Sprocket - Rear |
| A-2565..... | Sprocket - Front |
| A-1344..... | Strain Relief Heyco |
| A-910..... | Stripping, Neoprene 3/16 x 3/8 |
| A-3566..... | Stripping, Neoprene Delivery Compartment |
| A-545..... | Strap, Wire Harness R.H. Panel Assembly |
| A-2607..... | Starter - FS-25 |
| A-5213..... | Tab - Number |
| A-10410-00..... | Tab and Stripper Assembly |
| B-11032..... | Track Assembly - Upper |
| A-5159..... | Track Mounting Plate - Upper |
| A-567..... | Track Sliding Door |
| B-11245..... | Track Assembly - Lower |
| C-4960..... | Trim Cap |
| A-4989-01..... | Trim, Side - Escutcheon Plate |
| A-1565..... | Transformer |
| A-351..... | Tumbler 7-Pin Keyed MSU Ace Keypull and rotation style "A" |
| A-368-33..... | Tumbler 7-Pin Ace (keyed MST-33 unless otherwise specified) |
| A-5161..... | Vend Relay, Mounting Bracket |
| A-868..... | Vend Relay, Mounting Bracket |
| A-539..... | Vend Relay, Service #9-9F25G3 |
| A-559..... | Warranty Sheet |
| A-1754..... | Wedge- Cylindrical |
| A-1207..... | Wire Nut, Ideal #A-5 |
| C-607..... | Wiring Harness Assembly - Coin Equipment |
| C-544..... | Wiring Harness - Vend Relay |
| C-5197..... | Wiring Harness Motor |

for Parts and Service contact:

Polyvend 
P.O. BOX 1166
CONWAY ARK. 72032
501 / 327-1301