# SNACKSHOP 111-112 SNACKSHOP 111-112 SNACKSHOP 111-112 SNACKSHOP 111-112 SNA CKSHOP 111-112 

## instruction manual for

## SNA CKSHOP 111-112



# Automatic Products 



Snackshop $111 / 112$ has been designed from superior engineering and with quality throughout. It has been built of rugged construction for many years of reliable trouble-free operation. (Note: For indoor use only.)
To achieve the most economical trouble-free operation from your Snackshop 111/112, it is recommended that this service manual be thoroughly read and instructions followed pertaining to all loading and servicing, etc., of the vendor.
Should you have any questions pertaining to this manual or the vendor, please contact your local Automatic Products Company distributor or write directly to:

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AP 110 SERIES TRAINING

| EITTG |  | Nop Lapl | 0, |
| :---: | :---: | :---: | :---: |
| 1 | 6 .05 PhYolt | WPNEF, 400 RIGET | $\underline{4} \mathbf{4}$ |
| 2 | 6.10 PhYolt | CHOCK, 400 LEFT | ger |
| 3 | 5 P9 PAYOUT | D* | 80\% |
| 4 | \$1.00 PAYOUT | megame lumamres | 49 C |
| 5 | PGCRON M | PREDOUGT GODE MIP | 40 K |
| 6 | FOFCE Y YN | PFitM CODE MIS CLEAR | 406 |
| 7 | ULILT YN |  | E1K |
| a | Accountheilty | DEGCOENT TMEA | Esk |
| + | TEST Y/N | EHHTUOMN TINER | 6TK |
| 10 | $\begin{aligned} & \text { 2ND LBy } \\ & \text { ACOESA } \end{aligned}$ |  | 60K |

Snackshop 111 and 112 have been designed from superior engineering and with quality throughout. They have been built of rugged construction for many years of reliable trouble-free operation. Note: (For indoor use only)

To achieve the most economical trouble-free operation from your Snackshop 111 and 112, it is recommended that this service manual be thoroughly read and instructions followed pertaining to all loading and servicing, etc. of the vendor.

## 111 capacities

Unless otherwise specified, machine will be shipped with spiral assortment shown below. Figures in circles represent capacities in each spiral.


MODEL 111-520
Capacity as shown: 176 units.


MODEL 111-532
Capacity as shown: $\mathbf{3 6 8}$ units


MODEL 111-524
Capacity as shown: 246 units.



MODEL 111-528
Capacity as shown: 302 units.


MODEL 111-540
Capacity as shown: 496 units


MODEL 111-624
Capacity as shown: 208 units.


MODEL 111-628
Capacity as shown: 278 units.


MODEL 111-632
Capacity as shown: 338 units.


MODEL 111-636
Capacity as shown: 404 units.


## PRODUCT SIZE CAPABILITY

| Shelves | Height | Width of Snack Shelves Only | Width of Candy Shelves Only | Depth of Snack Spirals Only Choice: | Depth of Candy Spirals Only Choice: |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Top | 7-3/4 | 2-1/2" to 5-1/4" | $1^{\prime \prime}$ to 2-1/4" | 4 - Item Spiral 3" | 6 - Item Sprial 1-15/16" |
| Second | 7-1/4 | 2-1/2" to 5-1/4" | $1^{\prime \prime}$ to 2-1/4" | 6 - Item Spiral 2-3/32" | 8 - Item Spiral 1-1/2" |
| Third | 6-3/8 | 2-1/2" to 5-1/4" | $1^{\prime \prime}$ to 2-1/4" | 8 - Item Spiral 1-9/16" | 10 - Item Spiral 1-1/8" |
| Fourth | 7-1/8 | 2-1/2" to 5-1/4" | $1^{\prime \prime}$ to 2-1/4" | 10-Item Spiral 1-7/32" | 12 - Item Spiral 15/16" |
| Fifth | 6-1/2" | 2-1/2" to 5-1/4" | $1^{\prime \prime}$ to 2-1/4" |  | 16 - Item Spiral 11/16" |
| Sixth | 5-7/8" | 2-1/2" to 5-1/4" | $1^{\prime \prime}$ to 2-1/4" |  | 20 - Item Spiral 1/2" |

Eight selection shelves for candy and other narrow items fit on all six positions.
Spiral of one item capacity can be freely interchanged with any other of the same diameter.

Boxed items may need slightly larger clearances to vend properly.

Movable spacers available to adjust widths to ranges shown in each selection.

Gum and Mint Capacity: It is difficult to determine the true capacity due to variations of product size. The average capacity for the Gum and Mint stack is 90 items.

Should you have questions pertaining to this manual or the vendor, please contact your local Automatic Products Company distributor or write directly to:

75 WEST PLATO BLVD. • ST. PAUL, MINNESOTA 55107-2095
SPECIFICATIONS - 111
HEIGHT - 72"
WIDTH -331⁄2" DEPTH - 27-5/8"
FLOOR SPACE REQUIRED - 6.4 SQ. FT.
SHIPPING CONTAINER SIZE - 45.5 CU. FT.
POWER REQUIREMENTS - $115 \mathrm{~V} ., 60 \mathrm{HZ}$.
STANDBY AMPERES - . 7 OPERATING AMPERES - 3

Unless otherwise specified, machine will be shipped with spiral assortment shown below.
Figures in circles represent capacities in each spiral.

| 10 | 12 | 12 | 15 |
| ---: | ---: | ---: | ---: |
| 12 | 12 | 12 | 12 |
| 12 | 12 | 12 | 12 |
| 15 | 15 | 15 | 15 |
| 15 | 15 | 15 | 15 |

MODEL112-520
Capacity as shown: 265 units.


Capacity as shown: 544 units.


MODEL 112-524
Capacity as shown: 370 units.


Capacity as shown: 631 units.


MODEL112-528
Capacity as shown: 454 units.


Capacity as shown: 741 units.


MODEL 112-624
Capacity as shown: 313 units.


MODEL 112-628
Capacity as shown: 418 units.


MODEL 112-632
Capacity as shown: 508 units.


MODEL 112-636
Capacity as shown: 598 units.


Capacity as shown: 682 units.


MODEL 112-644
Capacity as shown: 796 units.


PRODUCT SIZE CAPABILITY

| Shelves | Height | Width of Snack Shelves Only | Width of Candy Shelves Only | Depth of Snack Spirals Only Choice: | Depth of Candy Spirals Only Choice: |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Top | 7-3/4 | 2-1/2" to 5-1/4" | $1^{\prime \prime}$ to 2-1/4" | 6 - Item Spiral 3-3/32" | 6 - Item Spiral 2-7/8" |
| Second | 7-1/4 | 2-1/2" to 5-1/4" | $1^{\prime \prime}$ to 2-1/4" | 7 - Item Spiral 2-21/32" | 7 - Item Spiral 2-1/2" |
| Third | 6-3/8 | 2-1/2" to 5-1/4" | $1^{\prime \prime}$ to 2-1/4" | 10 - Item Spiral 1-7/8" | 9 - Item Spiral 1-15/16" |
| Fourth | 7-1/8 | 2-1/2" to 5-1/4" | $1^{\prime \prime}$ to 2-1/4" | 12 - Item Spiral 1-9/16" | 10-Item Spiral 1-3/4" |
| Fifth | 6-1/2" | 2-1/2" to 5-1/4" | $1^{\prime \prime}$ to 2-1/4" | 15 - Item Spiral 1-7/32" | 12-Item Spiral 1-1/2" |
| Sixth | 5-7/8" | 2-1/2" to 5-1/4" | $1^{\prime \prime}$ to 2-1/4" | 18 - Item Spiral 1" | 15 - Item Spiral 1-1/8" |
|  |  |  |  | 30 - Item Spiral 1/2" | 18 - Item Spiral 15/16" |
|  |  |  |  | 40 - Item Spiral 5/16" | 24 - Item Spiral 11/16" |
|  |  |  |  |  | 30 - Item Spiral 1/2" |
|  |  |  |  |  | 40 - Item Spiral 3/16" |

Eight selection shelves for candy and other narrow items fit on all six positions.

Spiral of one item capacity can be freely interchanged with any other of the same diameter.

Boxed items may need slightly larger clearances to vend properly.

Movable spacers available to adjust widths to ranges shown in each selection.
Gum and Mint Capacity: It is difficult to determine the true capacity due to variations of product size. The average capacity for the Gum and Mint shelf is 135 items.

## SPECIFICATIONS - 112

HEIGHT - 72"
WIDTH - $331 /{ }^{\prime \prime}{ }^{\prime \prime}$
DEPTH - 35"
FLOOR SPACE REQUIRED - 8.1 SQ. FT.
SHIPPING CONTAINER SIZE - 58.1 CU. FT.
POWER REQUIREMENTS - $115 \mathrm{~V} ., 60 \mathrm{HZ}$.
STANDBY AMPERES - . 7 OPERATING AMPERES - 3

The Snackshop 111 and 112 are assembled and packed so that a minimum amount of time is necessary for preparation to install it on location. The following steps are recommended to insure correct unpacking.

1. Shipping Damage: Thoroughly inspect the exterior of the carton for damage which may have occurred during shipment. Report any damage to delivering carrier and follow their instructions.(NOTE: Machines with refrigeration units delivered on their sides should be stood upright for 24 hours before the machine is plugged into the outlet.)
2. Remove staples from lower edge and those at top of carton, and slit carton vertically at the taped corner. Open and remove carton. Remove the remainder of the packing material. On machines shipped with lock in place, the keys are located in the coin return cup.
3. Remove Vendor With A Fork Lift Truck: Remove the carton from the vendor. From the front of the vendor tip the vendor backward and run forks under the cabinet.
4. Removing Vendor Without A Fork Lift Truck: Remove the carton from the vendor. Remove 1/4 "piece of plywood located just behind the front legs, then open the door on the vendor and remove the hold down bracket at the front center of the cabinet base and close vendor door. From the front of the vendor tip the vendor back far enough to clear the wood strip across the front of the base. Slide vendor toward the back until the back legs are off the base and pull base out.
NOTE: Because the weight concentration is toward the back of the cabinet trucking and lifting should be done from the back. CAUTION should be taken when trucking from side.
5. On machines with lock in place, unlock, and turn handle to open door. When no lock is furnished, remove tape and turn handle. Swing door it its full open position.
6. Remove all packing tape and paper from various areas of machine and the shipping strap.
7. Warranty: The warranty card is attached to the cover of this manual. It must be filled out in full and mailed at once to insure coverage.
8. IMPORTANT: A set of anchoring brackets are sent with each machine. The kit is located in the bottom of the machine complete with instructions. It is recommended that this kit be installed to prevent shifting of the machine. Part \#660438

## installation

1. LEVELING THE MACHINE on location is important for the proper function of the machine. The four leveling screws in the legs are the means of leveling the machine. After positioning the machine, level machine in front to rear and right to left directions. After leveling, turn front right (lock side) leveling screw in about one-half turn to drop this corner slightly to make the door easier to close and lock.
2. VOLTAGE AND POLARITY CHECK: It is important that this machine is hooked up to the proper voltage and polarity. Using a voltmeter, perform the following checks from the illustration below.


NOTE: Should the readings be different from above, have a certified electrician correct the problem.
3. LOADING SNACK SHELVES: Open door to full open position, push down on white plastic lock lever (Figure 1) on right side panel by shelf to unlock shelf, holding lever down. Grasp the shelf, under both front corners (see Figure 1), lift front shelf slightly and pull forward until shelf reaches its stop. The shelves tilt down (do not drop) to make loading easier. Only one product shelf should be in the loading position at a time. When returning a shelf, be sure the shelf is in its full home or vend position. Begin loading with the top shelf. Move it to the loading position. The height spacing for items is greatest in this shelf and the tallest bagged items should be placed there. Soft items, such as pastry, pies, etc., should be placed in the lowest snack shelf, making the drop distance as short as possible.

IMPORTANT: Product must not be forced into the spiral spaces but should fit freely. If the product is too tight, use a larger pitch spiral. The bottom of the product should be placed on top of the spiral wire that rests on the the shelf surface (see Figure 2). The width of the product must be greater than the diameter of the snack spiral. If it is smaller, the product may fall through when it is in the front, ready to vend position.


Figure 1. MOVING SHELF TO LOADING POSITION.


Figure 2. PLACEMENT OF PRODUCT ON MAIN PRODUCT SNACK SHELVES AND FRONT END POSITION OF SPIRAL.
4. REMOVAL OF SPIRAL: Grasp the front of the spiral and turn it clockwise. Lift the spiral up and off of the spiral lock. When replacing a spiral attach it around the tab on the spiral lock and turn the spiral counterclockwise to lock it in place. Be sure the front end of the spiral is positioned properly (with the front end of the spiral pointing downward on the left side) (see Figure 3). The spiral lock is attached between the spiral retainer tabs. Give a light forward pull on front of the spiral to check it it is locked in place.


Figure 3. REMOVING AND INSTALLING SPIRAL.

figure 4. ALIGNMENT OF MOVEABLE PRODUCT SPACERS.
5. PRODUCT SPACERS-4 SELECTION SHELF: A product spacer is used to reduce the width of the product area and should be used on any 4 -selection snack shelf where the product width is $41 / 2$ " or less. Spacers should fit within $1 / 8$ " of the product but should not fit tight against the product.There are three positions in each snack space where these spacers can be placed. To install the spacer, align the lock ears (on the lower edge of the spacer) with one of the three sets of slots (one front and one rear).(See Figure 4).Push the spacer to the rear to allow the ears to enter the slots, then allow the spacer to move forward.Be sure the ears are in the same set of slots, front and rear. (See Figure 4).Continue loading all spirals adjust with spacers where needed in the top shelf. Return the top shelf to the vend position and following this procedure load the remainder of the large spiral shelves. The shelf divider separating the right (lock side) column from the next column is movable to allow vending of products wider than $51 / 2^{\prime \prime}$ in the second column. If this is used the right column must be used to vend a narrower product.
6. LOADING MAIN PRODUCT CANDY SHELVES: The 8-selection (candy type) shelves are loaded similar to the 4-selection shelves except that the bottom of the product sits on the shelf in front of the spiral wire (see Figure 5) that rests on the shelf. These products must also fit properly product in the spiral space;do not force product into spiral.


Figure 5. PLACEMENT OF PRODUCT ON MAIN PRODUCT CANDY SHELVES AND FRONT END POSITION OF SPIRAL.

These spirals are removed and installed the same as the large sprial (see Figure 3), except that the front end position is different (approximately 5 o'clock) (see Figure 5) and the front left side of the spiral must be behind the small tab located on the left side of the product space side wall (see Figure 5, Detail A).
7. PRODUCT SPACERS-8 SELECTION SHELF: The 8-selection shelves are equipped with a product spacer (see Figure 6) that can be pivoted from the right side of each product space. These spacers should be pivoted out to hold the product upright, but not tight against the product.Leave about $1 / 8$ "clearance between the spacer and the product.


Figure 6. 8 SELECTION SHELF PRODUCT SPACER POSITIONED TO HOLD CANDY UPRIGHT.
8. PRODUCT PUSHER:The machine contains enough pushers for you to install a pusher on each candy spiral. This plastic part is designed to push the top of the product forward while it is vending, helping it fall from the shelf. It can also be used with products that have the wrapper end flap on the outside of the package. In this case, the pusher prevents these products from hanging on the spiral by spreading the flap. The pusher is installed approximately 210 degrees from the front end of the spiral with the tab extending forward (see Figure 7).Locate the pusher in its proper position, hold it against the spiral wire and push the semi-circular part around the spiral wire. Note: Not every selection spiral will need a product Pusher. (Example-Box Items)


Figure 7. LOCATION OF PRODUCT PUSHER ON SPIRAL.
9. BAGGED OR BOXED ITEMS in the 8 -selection shelves if not loaded properly could be a problem. The sealed edge of the bag may get under the spiral wire causing the product to hang up after it has been vended. It is recommended that the lower edge of these types of product be folded forward and up (see Figure 8) next to the product before inserting into the spiral space. It is also recommended to use an 18 count spiral for bagged items because of the product settling to the bottom of the package.
10. CIGARETTE VENDING FROM SNACKSHOP 111. Cigarettes can bevended from the candyshelves usingthe (10 capacity) spiral for the soft pack regular, king, 100 mm or 120 mm packs. The (8 capacity) spiral should be used for (box) packs.

CIGARETTE VENDING FROM SNACKSHOP 112. Cigarettes can be vended from the candy shelves using the (15 capacity) spiral for the soft pack regualr, king, 100 mm or 120 mm packs. The (12 capacity) spiral should be used for (box) packs.
11. LOCK PRODUCT SHELVES. After all the product has been loaded be sure all shelves are returned to their vend position behind the front roller guide.
12. INSTALL PROPER PRICE TABS into price tab holder for each selection in the main product area.(See Figure 9.)
13. LOADING GUM AND MINT. The Gum and Mint shelf is located below the Snack Shelves (optional). Unlatch the shelf by pulling forward thetwo metal latches located tothe right and left of the shelf and pull forward. The cover can be pushed back to the rear for easy loading. The shelf contains four individual selections.


Figure 8. FOLD BAGGED ITEMS BOTTOM EDGE FORWARD AND UP.


Figure 9. INSTALING PRICE TABS

The first selection on the left contains two fillers for use with thin mints. (Rolaids - Certs, etc.). These fillers can be removed for standard gum or mints.

The two selections on the right of the Gum and Mint shelf also have fillers. These selections can be used for standard size gum and mints or the fillers may be removed for larger gum and mint products.

Each selection has a display hinge assembly which should be adjusted after the shelf is loaded. To adjust the display hinge, loosen the wing nut and slide the spring hinge of the flipper over the second product and fasten tightly.

## 1. POWER SUPPLY

The 115 volt power cord from the wall outlet comes into the machine and plugs into the bottom of the main junction box located to the right of the swing out panel. The other connections on the main junction box are for the light, fan (optional), 115 volt plug for bill validator and changer plug.The 115 VAC goes to the on \& off switch and then to the circuit breaker. The 115 VAC goes to the transformer in which the voltage outputs (total of five) then goes to the P1 location on the control board.
2. CHANGERS

The Snackshop 111-112 can use a variety of either Mars or Coinco changers. The machine is wired for either 24 volt or 115 volt models. When using a 24 volt 12 pin changer either (Coinco 9302L) or Mars (TRC-6010) an adapter harness MUST be used and inserted into the main junction box. The Coinco (9302LF) \& Mars (TRC-6010XV) are 15 pin, 24 volt chargers which do not need an adapter harness. The 115 volt models available are the Mars (TRC-6000), (MC-5000), and Coinco (9300L).
When installing the changer or removing the changer from the machine be sure to turn the power off. The changer is to be mounted on the three studs provided on the swing out bracket \& fastened down.(Refer to the changer manufacturer on the installation and operation guide of the changer.) Load the changer payout tubes with coins and turn your power switch on.

## Limit Coin Payout-Service Code 0130

Under certain conditions, a high vend price (greater than \$10.00) may cause the level of coins available for change payback in the coin mechanism to be repeatedly depleted and prevent further sales. If this situation exists, then you have the option to limit the amount of change that is returned to $\$ 3.00$ or if the amount of change to be returned exceeds $\$ 3.00$, permit the vend but return no change. This option is controlled as follows:

1. Press mode switch 1 time to access service mode.
2. Press 0130, display will now show "NO CHG Y/N" with either the Y or the N flashing. When the Y is flashing the amount of change to be paid is limited to $\$ 3.00$. When the N is flashing, the machine operates normally and returns the full amount of change required. Option is normally set with the N flashing from the factory.
3. Use any letter but $K$ to toggle the $Y / N$ back and forth to the required setting.
4. Press K to return to service and lock in the change.

## CODE 133

Allows the user to turn tube leveling on or off. Once the code is entered, the display will show "TUBE_L Y/N"with the cursor at "Y" (tube leveling: the coin tube that has the highest height in coins is paid out out first) or " N " (normal change payout:change will be paid out with the least number of coins). Press button "10" to alternate between the choices. Pressing the "K" button will lock in the information and return the user to the Service Mode.
(Note: This code will not work with executive mechs.)

## 3. COIN MECH INVENTORY

This function allows the monitoring and adjustment of the coin levels in the tubes of the coin mechanism. As long as ail coins have entered the coin mech through the coin entry chute and not through the tube slots, the display will show a current and accurate inventory of monies in the coin mech.
From the "service" mode, press \#10, \#1, \#2, \#5 the display will show "INV XX.XX" which represents the coin mechanism inventory. Deposit some coins through the coin entry chute to increase the inventory. Pressing the normal payout buttons, \#1, 2, 3 or 4 will decrease the inventory. When or if the power to the machine
is turned off, the information is retained so that the coin mechanism and bill validator continue to operate properly.
The scrolling display will reflect the current inventory as coins are added or subtracted. Entering 012C from service will reset the inventory to $\$ 0.00$ and reenter the mode to allow a new inventory to be established.

## 4. MODE SWITCH

The Snackshop 111-112 has only one mode switch that allows control of the machine functions. It is located on the control board. This switch will allow three modes of operation - operate (normal mode), control \& service mode, and price setting mode.

## 5. OPERATE MODE

The operate mode is the normal vending position. This position allows three functions:
A. Pressing a selection will display the price of that selection.If any selection is not operating or not programmed in the machine a beep will sound and the display will read "Make another selection".
B. Insertion of coins will display "Credit" and the amount.
C. Customer instructions will appear on the display "Make another selection", "Use correct change", or "Check selection price" for those three conditions which might occur.
NOTE:If in any of the other modes of operation the mode switch or coin return has to be depressed to get back into the operate mode.

## 6. CONTROL-SERVICE MODE

The mode switch on the control board should be pressed once to enter the control-service mode. Upon pressing the switch all nonoperating selections will be displayed.Next, continue to press the letter " $K$ " to advance any other problem with a failed motor until you reach "Service". Entering into the service mode use of the selection buttons (1-10) is necessary for the following functions.
Press \#1 - Dispenses 5 $\$$ from the changer.
Press \#2 - Dispenses 10¢ from the changer.
Press \#3 - Dispenses 25c from the changer.
Press \#4 - Dispenses $\$ 1.00$ from the changer.
Press \#5 - Displays escrow y/n.
(NOTE:y/n use is for yes or no. Pressing \#5 changes the position of the flashing letter. This display indicates which way the bill will be taken.)
Press \#5 - Escrow $\mathbf{y} / \mathbf{n}$. In the "yes" mode the bill will be escrowed so if you push the coin return button you will get that bill back. If a selection is priced over a dollar (Example: A1 is $\$ 1.25)$ the bill validator will not take a second dollar. You must use a dollar and insert change. In the "no" mode the bill will not be escrowed (goes directly into the stacker) so if you push the coin return you will get back change.
(NOTE: The coin mechanism must contain enough coins in all three coin tubes for this function.)
Press \#6 - Displays force $\mathbf{y} / \mathrm{n}$. (NOTE: $\mathrm{y} / \mathrm{n}$ use is for yes or no. Pressing \#6 changes the position of the flashing letter.) Pressing \#6 in the "yes"mode when pricing in the machine is above a dollar, the bill will be taken and you must buy a selection.In the "no" mode allows you to make a selection or if you change your mind push the coin return button to get your money back.
Press \#7 - Displays multi y/n. (NOTE: y/n use is for yes or no. Pressing \#7 changes the position of the flashing letter.) When multi vend is in the "yes" mode after a dollar bill or change is
inserted, will register the amount on the digital display. When a selection is made the amount on the digital display will deduct the price of that selection.At this time the total cash will be displayed of the amount left of that dollar so that another selection may be made without inserting more money. You, therefore, can push the coin return for your change or make as many selections you want to until the digital display reads below the lowest selling price in the machine, then the rest of the money will be paid automatically. (NOTE: When using the shoppers mode, there is also a delay time incorporated on the control board. If a customer does not make another selection after a period of 10-15 seconds the changer will pay back automatically.)
Press \#8 - The display will show cash 000 (total cash sales). Pressing \#8 again gives the amount of vends 000 (total vends). Pressing \#8 will show (total bills) 000 accepted. Pressing \#8 will show the amount of times the machine has been reset.
Press \#9 - Displays free vend $\mathrm{y} / \mathrm{n}$. (NOTE: $\mathrm{y} / \mathrm{n}$ use is for yes or no. Pressing \#9 changes the position of the flashing letter). When using the "yes" mode push the coin return button and you can now free vend or test each motor. (NOTE: Test vend will not add money or vends to cash sales or total vends.) Closing the door removes the test mode to the "no" mode automatically.
Press \#10 - The display will appear blank. This will allow you to program from 100 mode through 900 mode in the machine. (NOTE: When programming into different modes, the \#10 button will be 0 .) Re-entry from one mode back to the blank display can be accomplished by pressing " $K$ "(which puts you back in service) then pressing \#10 (blank display) and programming another mode. From the Service Mode - press \#10 (blank display.)
100 MODE - Winner mode. Press \#1-\#10-\#10 which is the winner mode. This function enables you to program the machine to give "free" products every so many cash vends. Setting this program at 001 will set the machine on free vend. (Every vend will give you that product and then return the money.) Setting on 012 will give a "FREE" product every twelve vends. "FREE" products can be set from 001 to the maximum range of 255 vends. (NOTE: Pressing the letter " K " will return you to the start of the service mode.)
200 MODE - Clock mode. From the service mode, press \#10 (blank display). Press \#2-\#10\#10 which is in the clock mode. This function enables you to set or change a clock. (Used for discounts and machine shut down time.) After pressing 200, the digital display will show 00 which represents the last two numbers of the year. Press the numbers for the present year. Press the letter " J " and 00 will appear which represents the month. Press 01 to 12 for the month. Press "J"again and 00 will reappear for the day. Press the numbers 01 to 31 for the day. Press " J " and 00 will be displayed for the hour. Set the hour from 00 thru 23; Midnight being 00 to 01 a.m. Press " J " and 00 will reappear for minutes. Use 00 to 59 for the current minute. Lock the clock times in by pressing "J". (NOTE: Pressing the letter "K" will return you to the start of the service mode.)
300 MODE - Identification mode. From the service mode-Press \#10 (blank display). Press \#3-\#10\#10 which is the identification mode. This function enables you to set a machine identification number. The display will show 8 zeros and by pressing any combination of numbers (maximum of 8 numbers) you can enter a machine identification number. (NOTE: This identification number will appear in the sales data mode 500.) (NOTE: Pressing the letter " K " will return you to the start of the service mode.)
400 MODE - Message mode. From the service mode-Press \#10 (blank display). Press \#4-\#10\#10 which is the message program. This function enables you to change the scrolling message
"Have A Nice Day" to any message you want to program. Alternative languages are also available by pressing \#4-\#10-\#1 for English; pressing \#4-\#10-\#2 for German; pressing \#4-\#10-\#3 for Spanish; pressing \#4-\#10-\#4 for Italian; pressing \#4-\#10-\#5 for Dutch; pressing \#4-\#10-\#6 for French; pressing \#4-\#10-\#7 for Danish; pressing \#4-\#10-\#8 for Swedish. Entering into the message program (any language) one of the letters will be flashing. The flashing letter is the character to be changed. The character may be moved to the right by pressing \#1 or to the left by pressing \#2. When the character you want changed is flashing use the letter " $A$ " to change it. Passing up the character (letter or symbol) you can reverse the scrolling direction by pressing the letter " B ". Complete your message by moving and changing each character. Pressing the letter " C " will delete the flashing character and move the whole message to the right (out of view) which delays the scroll from coming on the display. Your message can be programmed up to 137 characters. (NOTE: To eliminate your programmed message in any language and have the original "Have A Nice Day" appear you just program (401-408). When not using the message display as an option, the display can display the exact time (set in the clock mode - 200). Displaying the time can be achieved by moving the flashing character to the far left with button \#2 and entering the " $\partial$ " character with button " $A$ ". (NOTE: the " a " character can be used to delete all or part of the message.) Exit the message program (close door, push operate button, depress coin return, or push the button " $K$ " to return to "Service" mode).
500 MODE - Sales data mode. From the Service mode, press \#10 (blank display). Press \#5-\#10\#10 which is the display sales data mode. The machine identification number, if programmed in the (\#300) mode, will appear. (NOTE: The display sales data can be retrieved only when using the product codes. See price setting mode.) Press button \#1 and the first product code will be displayed with the number of vends of that product code. Press number \#1 for the next product code and sales data.Continue pressing \#1 until you reach the machine identification number. Press " $K$ " to return to the "Service" Mode.
600 MODE - Reset sales data mode. From the Service ModePress \#10 (blank display).CAUTION:Press \#6-\#-10-\#10 which is the reset sales data mode, resets all vends programmed with product codes retrieved in the 500 mode.
700 MODE - Bill Value Set Up: From the Service Mode, press \#10 (blank display). Press \#7-\#10-\#10 which is the 700 mode. Display will show "B VALXXXX"once this code has been entered. You can enter a 4 digit number representing the value of the bill. (Example: for U.S. Dollars, the value is 100 .) Note that the credit is incremented by the entered value for each pulse coming from the bill acceptor. When the XRAM is initialized, the bill value is set to 100 . When a TRC mech is connected to the controller, the controller ignores the bill value entered and uses 100 (note that it ignores, not alters, the entered value).
800 MODE - Whole Machine Discount This function allows you to discount the selling of merchandise for the entire machine at a percent and up to three time periods per day ( $\mathrm{A}, \mathrm{B}, \mathrm{C}$ ) and up to seven days of the week. (NOTE: The time must be programmed in the 200 mode for this feature.)
Step \#1 - From the Service Mode, press \#10 (blank display). Press \#8-\#10-\#10 which is the 800 mode (machine or selection discount mode). The "STRT" will appear (this will automatically put you in time period " $A$ ".). Enter the time when you want the discount of the entire machine to start.The start time is set on a 24 hour (military) basis starting with 00:00 as midnight (Example: 1:00 p.m. as 1300 hours).

Step \#2 - Press the "G" button once and "STOP" will appear. Enter the stop time (NOTE: The "STOP" time is set for the machine to go back to full price of the products).
Step \#3 - Press the "H" button and "PRCT" will appear. Select the (\%) percent of discount desired using the number buttons to enter the discount for the "Whole Machine". (Setting at 100\% the products will sell for free.) (NOTE:Clearing or cancelling all of the 3 steps can be done by pressing the "J" button.)
Step \#4 - If a discount is only desired on certain days of the week, it can be programmed by pressing the "F" button. Pressing "F"the display will show DY0000000. This represents each day of the week "Sunday through Saturday" from right to left.

## Display Shows:

"0" meaning "OFF"
"1" meaning "ON"


Pressing button " 1 " or button " 10 "-" 0 " will set each "day" on or off for discounting.
Example: Shows Monday, Wednesday and Friday - machine will be on discount for time period "A".

## Display Shows:



Step \#5 - Press button "K" to return to the service mode and lock in the "A" discount time period. Setting up for more than one discount time period by using buttons B. C, and D. Example: After setting the time period "A" with the four programming steps, press the letter " B " to enter its time period and repeat the four steps in programming the discount time period, the display will read "Buy Now and Save X\%" at the different times.

800 MODE - Discount by Selection: This function allows you to discount the selling of merchandise by selection at a discount price. Prices can be set up to four time periods per day (A, B. C \& D) and up to seven days of the week.
Step \#1 - From the service mode, press \#10 (blank display). Press \#8-\#10-\#10 which is the 800 mode (selection discount mode).The "STRT" will appear (this will automatically put you in time period "A"). Enter the time when you want the discounted price per selection to occur. The start time is set on a 24 hour (military) basis starting with 00:00 as midnight (Example: 1:00 p.m.as 1300 hours).

Step \#2 - Press the "G" button once and "STOP" will appear. Enter the stop time for the discounted prices. (NOTE: The stop time is then set to put the machine back to the original prices.)
Step \#3 - Press the "H" button and "PRCT"will appear. Enter buttons \#1-\#10-\#1. (101)
Step \#4 - If a discount is only desired on certain days of the week, it can be programmed by pressing the "F" button. Pressing "F"the display will show DY0000000. This represents each day of the week "Sunday through Saturday" from right to left.

Display Shows:
"0" meaning "OFF"
" 1 " meaning "ON"


Pressing button "1" or button "10"-"0" will set each "day" on or off for discounting.
Example: Shows Monday, Wednesday and Friday - machine will be on discount for time period "A".

## Display Shows:

"0" meaning "OFF"
" 1 " meaning "ON"

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Step \#5 - Press mode switch once (control board) to access price set mode. The display will show "PR".
Step \#6 - Press the "K" button which will access the product code setting. Press \#9-\#9-\#9 the display will show "PRD1 00.00". This is where all "Cash" discounts are set for time period " $A$ ".
Step \#7 - Enter the cash discount desired (Example: 00.05, 00.10 , etc.) Using letter and number combinations, you can program the discount per selections similar to set pricing. When the discount is programmed in the selling price of a selection it will be equal to the original price minus the cash discount. You can have more than one cash discount amount in a single time period by repeating step \#7.
Step \#8 - Setting extra time periods with discounts on selections by using Steps \#1 through \#7. When in step \#1 pressing \#8-\#10\#10 which is the 800 mode use button " B " for PRD2, button " C " for PRD3, and button "D" for PRD4. When the discount time periods occur, the display will show "Buy Selection A1 for 00.XX", "Buy Selection B7 for 00.XX" "Have A Nice Day". All discounted selections will be displayed followed by the normal user message and then repeated.
Clearing Discount by Selection: IMPORTANT: Clearing discounts on individual selections is a two step procedure. Both steps, if not programmed, will leave previous discounted selections with any discounted selections being set in the program.
Step \#1 - Press mode switch once (control board) to access the service mode. Press \#10-\#8-\#10-\#10 (0800) the display will show "START XX: XX" time period "A". Clearing the time period "A" of discounts by pressing the letter " J ", the display will be blank. Clearing other time discounts by pressing "B" time period and pressing the letter "J", same on "C" and "D" time periods. After clearing the time periods, press "K" to return to the service mode and lock in the information.
Step \#2 - Press mode switch once (control board) to access the price set mode. The display will show "PR". Press the button "K" which will access you into the product code setting. Press button \#9-\#9\#9 which will display "PRD1 00.00. This is where all cash discounts are set for period "A". Press button "J" to clear the cash discounts for time period "A". Press button "K" to advance to time period "B" which will show "PRD2 00.00" on the display. Press button "J" to clear time period "B". Repeat the step for "C" time period PRD3 and timer period "D" PRD4.
900 MODE - Shut-down mode. From the service mode, press \#10(the display will be blank). Press \#9-\#10-\#10 shut-down mode. This function enables the machine to be turned off at a certain time and then be turned back on at a given time. (NOTE: The machine must be programmed in the 200 mode to use this
feature.) The machine can be programmed to be turned off and then back on in four different time periods ( $\mathrm{A}, \mathrm{B}, \mathrm{C}$ and D ) and any day of the week.
The display will show "STRT". (This automatically puts you in time period " $A$ "). Enter the start time by pressing the buttons using the clock (military) from 00:00 as midnight to 23:00 hours as 11:00 p.m.
(NOTE: The "Start" time is for the shut down time and the "Stop" time is for resuming time.) Press button " $G$ ", it will display "Stop" time. Enter the stop time. Press button " $F$ ", the display will show DY0000000. This simulates days of the week Sunday through Saturday (right to left). Use button \#1 for on and \#10 as 0 for off.

"0" meaning "OFF"<br>"1" meaning "ON"



Example: Shows Monday, Wednesday, Friday machine will shut down. For START and STOP time, set in "A" period.

## Display Shows:

"0" meaning "OFF"
"1" meaning "ON"


Setting more than one time period by using buttons " B ", " C " and " D ", Example: After setting time period " A ", press button " B ". Press button " $G$ ", the display will show "STRT". Enter the time for period "B". Press button " $G$ ", the display will show "STOP". Enter the stop time for period "B". Press button " $F$ ", the display will show DY0000000. Set days you want period "B" to shut down the machine. (See chart, above). Continue if needed for periods C \& D by using the same procedure. During the shut down time, the display will scroll "Machine Use Not Allowed until XXXX." Service functions are allowed during the shut down times.
Previous machines had to be programmed to start and stop on the same day. A software change on the control board makes it possible now to start on one day and to stop on the next day. This feature may be used in both the 800 (discount) or 900 (shut down) mode. The day of the stop time does not need to be specified by using the " $F$ "' button.The board will automatically stop the 800 or 900 feature the day after it is started.
Example: Periods of discount or shutdown Monday 10:00 p.m . to Tuesday 2:00 a.m.,Thursday 10:00 p.m. to Friday 2:00 p.m.

## Display Shows:

"0" meaning "OFF"
" 1 " meaning "ON"


Two for One Option Mode - This function will allow you to vend two products for the price of one. From the service mode - Press \#10 (blank display). Press \#1-\#1-\#10, the " $\quad$ - $-\quad$ _ " will appear on the display. Select the purchased selection letter (A-G) then the number ( $1-10$ ). The display will then show your selection letter $(A-G)$ then the number ( $1-10$ ). The display will then show your selection on the display (Example:"B3->__") Now select the free selection letter and number. The display will then be (Example: "B3 - B5"). The two for one option is available for six combinations. After setting the first combination, press button " J "to set the next combination. NOTE: Programming the same selection on
both sides of the arrowhead (Example: B2-B2) the selection will run twice.
Clearing 2 for 1 Option - From the service mode, press button 10 (blank display) Press \#1-\#1-\#C, this will clear all combinations for this option.The display will show "_ $->$ _ _" to allow re-entering of new combinations or press button " $K$ " to return to service.

## EXITING SERVICE MODE

1. Press the mode switch on the board twice.
2. Deposit Money
3. Close the Door.
4. Push Coin Return.
5. Wait 5 Seconds.

## 7. PRICE SET MODE

The mode switch on the control board should be pressed twice to enter into the price set mode or once from the service mode. The display will then show (.) a decimal point. To set prices push the numbers ( $1-10$ ) needed to change the display (Example $7 \& 5$ will display .75) Pressing the letter and then number ( $\mathrm{A}-1$ ) you will get two beeps indicating that selection price is set. To cancel the price display push letter "J".
To set prices with a product code which are available (00 to 99) press the letter " $K$ "and push the desired code. Press the letter " J " and set the price. The product code \& price showing on the display can now be entered to the program. Set all selections using "J"for pricing \& "K"for product code. (NOTE: 500 mode is used to retrieve sales data of the product codes.)

## 8. PRICE CHECK MODE

This mode allows you to check prices and products codes set on each selection. Entering into the price check mode can be done by pressing the mode switch on the control board three times from operate (stand-by) or once from the prices set mode. Check each selection by pressing the letter and then the number. (NOTE: You can re-enter the service mode by pressing button " K " from the price check mode. This function saves time by not having to wait for the motor home check and the shelf check and "********".

## Discount Time Periods

Checking prices of an item in one of the four discount time periods may be accomplished by pressing the mode switch (control board) two times to access the price set mode. Press the letter "K". Press \#9-\#9-\#9. The display will show "PRD1 00.00". Press the mode switch (control board) once to access price check mode. The display will show "CK". Press button "J"the display will show "CK D1".Any selection that has a cash discount set in time period A will show the discounted price when that letter/number combination (i.e. A3, F3).Press J will step to CK D 2 for time period $B$ etc. If no discount has been set, then the normal vend price will be displayed.

## 9. SELECTION PANEL

The selection panel (see figure 10) on the Snackshop 111-112 incorporates that use of a self enclosed membrane switch panel. This eliminates the need for individual switches and wiring. The membrane switch panel is housed in a stainless steel panel with individual buttons protecting the switch face. The casting front also houses the display lens. The display lens gives instructions to the customer for three conditions which might occur (make another selection, use correct change, or check selection price). The display lens also can carry any message which can be programmed. For example "Have a good day."

## 10. VEND MOTORS

The Snackshop 111-112 incorporates the use of a high RPM DC motor. Due to the new design, the vend motor may no longer be homed by hand. DO NOT TRY TO TURN THE SPIRALS BY

HAND. DAMAGE TO THE MOTOR WILL RESULT. It is also important to check polarity before applying current to the motor. Two diodes and a capacitor are used to prevent circuit feedback and may have to be checked when trouble shooting motor problems.

## 11. LIGHTING SYSTEM:

There is only one fluorescent lamp in the Snackshop 111-112. The lamp is located on the top inside of the door which lights up the main product area. The starter is located on the hinge side of the lamp. The ballast and line filter is located on the top front left shelf support. (page 21, item 16)

## 12. MAIN PRODUCT SHELVES:

There are five or six main product shelves per machine. Each containing either four or eight selections. Each selection has its own motor mounted to the back of the shelf. Every shelf has its own harness and plug for connecting to the remainder of the circuit through the cabinet receptacle, located in the rear right of the cabinet. The motors are the same on either type shelf. It is now possible in the Snackshop 111-112 to exchange a five selection shelf with a ten selection shelf or visa versa. You also have the capability to gain $1 / 2$ inch either up or down on any shelf. To do this the shelf should be removed and the cabinet back harness receptacle lowered or raised with the right \& left shelf tracks.
NOTE: When exchanging the shelves, you will not need any parts, but you will have to reprogram the machines for prices and selections.

## REMOVAL OF PRODUCT SHELF:

A. Lift up and push the lock levers toward the back of cabinet. See figure 1, page 6.
B. Pull the shelf to its loading position.
C. Grasp shelf in front and rear center. Lift front of shelf up above horizontal and pull shelf forward while lifting.
D. To install shelf, reverse above procedure.

## 13. DELIVERY BIN:

This is located below the display window on the door and is mechanically operated. The linkage on the outside end of the delivery bin may require occasional lubrication. Should the door become difficult to operate, place a small amount of grease on the arm tracks.

## REMOVAL OF DELIVERY BIN:

A. Remove the screws from the underside of the delivery bin. These screws fasten into the lower door brace and remove the two screws and brackets at the top of the delivery bin.
B. Grasp delivery bin on both sides and lift up and pull back. Should bin be tight, rock it by lifting on one end, then the other.

## REPLACEMENT OF DELIVERY BIN:

A. Locate lip on front edge of delivery bin over lower edge of opening in door and behind trim. Press down along lip to make sure it is fully engaged between door and trim.
B. Install the four screws and two brackets, to secure bin to door.
14. REMOVAL OF GUM AND MINT MOTOR AND/OR EJECTORS: Disconnect the two wires going to the motor and remove the four screws holding it to the shelf. The components attached to the front base can also be replaced. These consist of the gum and mint shelf front (Price tabs and selection), gum and mint shelf front base, gum and mint display front stop (plastic) and the gum and mint ejector.
NOTE: Before replacing the gum and mint motor it would be helpful to tap the motor first with the screws. Assemble the four components together and mount them to the motor making sure that

the head crank of the motor is inserted into the ejector. Replace the four screws and test vend that selection for proper operation.

## 15. REMOVAL OF GUM AND MINT SHELF:

Below the gum and mint shelf remove the two screws holding the gum and mint receptacle harness bracket (page 19, item 19). Loosen the other two screws on each end of the gum and mint pusher stop strap (page 31, item 20) and disengage it from the cabinet. Grasp the shelf and pull the shelf straight out. With the shelf out you can replace the gum and mint pusher (page 31, item 31) by removing the screw (page 31, item 21).
Reverse the procedure to replace the shelf. Pay special attention when you put the gum and mint pusher stop strap back on that all the gum and mint pushers have spring tension and are behind the strap.

## 16. CHILLED AIR MACHINE

When placing a chilled machine at a location Caution should be taken to keep adequate clearance in the rear and front bottom screens for proper circulation. The front vent screen assembly (page 38, item 25) should be removed and cleaned periodically for proper operation of the refrigeration system.
NOTE:The cold control setting (page 39, item 15) should be set on the \#4 position.

## 17. REMOVAL OF COOLING UNIT:

Replacing a cooling unit can be done by removing the two screws from the Air Duct Support Bracket (page 37, item 3). Then, lift the air duct up and out of the cooling unit.Remove the two screws in the bottom of the cooling pan located to the right and next to the blower (page 39, item 23). The cooling unit can now be pulled straight out from the angle guides. Reverse the procedure to put the cooling unit back in the machine.

The Snackshop 111-112 will clothe best merchandising job for you if it is kept clean. The display window can be cleaned with any good glass cleaner. The exterior and interior surfaces should be cleaned with warm water and mild detergent. Rinse thoroughly and dry all surfaces.

## CAUTION:

Do not use any cleaners containing silicon as this could cause electrical failures.

The main product shelves can be best cleaned with the spirals and product spacers removed. Refer to page 5 for removal of spirals and page 6 for removal of the product spacer.

Clean the acceptor on the changer frequently as accumulated dirt in this area can cause coins to hang or not be accepted. Follow recommended cleaning procedures as described by the manufacturer.

# optional equipment 

## 1.VENTILATING FAN: (Part \#660441-120 Volts)

(Part \#660441-1-240 Volts) Export
The ventilating fan keeps a steady flow of air moving through the vendor cabinet.Installation of the fan takes only a few minutes. All the vendors are wired with a fan plug on the junction box for easy installation.
2. BASE KITS: (Part \# 660146-7)

Base kits are available to make the vendor compatible with other manufacturers.
3. GUM AND MINT:

Gum and Mint units are available as an option with Snackshop 111-112 vendors. For information pertaining to loading or servicing gum and mint unit, refer to this service manual for loading instructions and for service instructions.

## 4. SPECIAL SPIRALS (112 ONLY):

Special candy spirals are available for use in the four (4) selection snack shelves on 112 machines only. For the sake of identification, the back end of these spirals are colored RED and should never be used in the eight (8) selection candy shelves.
These spirals allow vending products that are too wide for the standard candy columns but may be too thin for the regular snack spirals. A product pusher and spacer should be used where required. Part numbers for these special spirals are as follows:

$$
\begin{array}{ll}
400139-1 & \text { 12 space special spiral } \\
400140-1 & 15 \text { space special spiral } \\
400141-1 & 18 \text { space special spiral } \\
400142-1 & 24 \text { space special spiral } \\
400143-1 & \begin{array}{l}
30 \text { space special spiral } \\
400151-1
\end{array} \\
20 \text { space special spiral }
\end{array}
$$

NOTE:The difference between the standard candy spiral and the special candy spiral used in the wide snack columns is in the overall length of the spiral. The special spiral is shorter than the standard candy spirals.
CAUTION: Do not attempt to use the special candy spirals in an eight (8) selection shelf.

## 5. SOUP DISPENSER 111: (Kit 750083-1)

A canned soup dispenser is available as an option for use inthe four selection snack shelves. The dispenser is easy to install and holds up to seven cans in the unit.
SOUP DISPENSER 112: (Kit 750083)
A canned soup dispenser is available as an option for use in the four selection snack shelves. The dispenser is easy to install and holds up to nine cans in the unit.

## 6. DOLLAR BILL VALIDATORS:

The validators take only a few minutes to install and may be purchased through the manufacturer of that unit.Mars has a 24 volt \& 115 volt validator available which will work in the machine provided that you use the right harness. The 115 volt harness can be ordered from Automatic Products under part \#680475. The 24 volt harness can be ordered under part \#680355. ARDAC validators need a kit supplied FROM ARDAC under part \#48X600-4 to be added to the 111-112 machine. Coinco validators can also be used, which are the 115 volt model (BA30SA) or the 24 volt model (BA32SA).

## 7. DEBIT CARD READERS:

The 111-112 series machine will also have the option to add a debit card reader.

## 8. CHILLED AIR MACHINE:

The 111-112 machine may be ordered with a refrigeration unit which allows the inside of the cabinet to be cooled.THE REFRIGERATION UNIT CANNOT BE ADDED TO A MACHINE AT A LATER DATE..

## 9. DUAL SPIRAL SHELF:

Snack shelves can be set up to have dual spirals per selection on the shelf. The dual spirals will help vend specialty items better.

## 10. CONVERTIBLE SHELF:

The convertible shelf allows you to convert a snack shelf into a combination candy and snack shelf. The convertible shelf can be converted from two to eight candy selections. (Example: 4 candy selections \& 2 snack).

## 11. 115 Machine:

This unit is used in conjunction with a 114 master machine. The 115 operates from the selector panel of the 114 master. Since the 115 machine has no control panel, the shelves are identical to the 113 models. (interchangeable) The 115 machine can only be purchased with six shelves as a 30 selection machine (all snack shelves) or a 35 selection machine (five snack shelves and one candy shelf). The 115 machine can not have the following options: Gum \& minttray-Chilled machine or come in Eurostyling.
12. MIS Printer (Part \# 380310)

Printer Harness (Part \# 680577)
DEX-OCS Harness (Part \# 680509)
All three are needed for printer use (mode 501)


| $\begin{aligned} & \text { Item } \\ & \text { No. } \end{aligned}$ | Part No. | Description | Item No. | Part No. | Description |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 340044-10 | Top Trim Vantage. | 15 | 420071 | Ace Lock W/2 Keys. |
| 2 | 201690-3 | Top Trim Insert. True Grit Black. |  | 420071-1 | Ace Lock W/1 Key. |
|  | 201690-14 | Top Trim Insert. Dark Gray. |  | 420071-2 | Ace Lock W/O Key. |
| 3 | 340057-2 | Trim Outside Vertical.Black. Right \& Left Side. | 16 | 660319 | Assembly Lock Handle W/Lock Arm \& Nut. |
| 5 | 340058-46 | Trim Vertical. window. Black, Right \& Left Side. |  | 420146 | Lock Handle Only. |
| 6 | 750141-1 | Front Window. ( $445 / 8 \times 219 / 16 \times 1 / 8)$. | 17 | 660444 | Assembly Complete. Bezel Ring. |
|  |  | NOTE Replacement Glass Must Be | 18 | 600599 | Door Only. Specify Color. |
|  |  | Hard Tempered or Lexan Only. |  | 600599-1 | Door Only. European Style. Specity Color. |
| 7 | 340058-12 | Trim Horizontal.Window. Black. |  | 600599-2 | Door Only. With Validator Hole And Debit |
| 8 | 201356-2 | Delivery Tray Panel. True Grit Black. |  |  | Card Use. Specify Color. |
|  | 201356-4 \| | Delivery Tray Panel.Dark Gray. |  | 600664 | Door Only. (115) Specify Color. |
| 9 | 640012 | Assembly, Lower Door Hinge Plate. |  |  | (not pictured) |
| 10 | 201678-2 | Bottom Door Edging. | 19 | 201678-7 | Top Lock Door Edging. |
| 11 | 420186 | Screw Pan Hd. Drill Pt. (6-20 x 1/2) Qty.4. | 20 | 202059-28 | Panel, Left Side Vertical. Painted.Specity Color. |
| 12 | 201692-15 | Lower Horizontal Panel.Black. |  | 202059-49 | Panel, Left Side Vertical.White. |
|  | 201692-55 | Lower Horizontal Panel.Dark Gray. |  | 202059-51 | Panel, Left Side Vertical.Dove Gray. |
| 13 | 440296 | Coin Cup Trim. |  | 202059-53 | Panel, Left Side Vertical.Sterling Royce. |
|  | 440296-1 | Coin Cup Trim. Dark Brown. | 21 | 202061-22 | Panel, Right Side Vertical. Lower. Painted. |
|  | $\begin{aligned} & 440296-2 \\ & 201156 \end{aligned}$ | Coin Cup Trim.Medium Gray. Coin Cup Door. |  | 202061-39 | Specify Color. <br> Panel, Right Side Vertical. Lower. White. |
|  |  |  |  | 202061-41 | Panel, Right Side Vertical. Lower. Dove Gray. |
|  |  |  |  | 202061-43 | Panel, Right Side Vertical. Lower. Sterling Royce. |
|  |  |  | 22 | $\begin{array}{\|l\|l\|} \hline 202060-28 \\ \\ 202060-51 \\ 202060-53 \\ 202060-55 \end{array}$ | Panel, Right Side Vertical. Upper. Painted. Specify Color. <br> Panel, Right Side Vertical. Upper. White. Panel, Right Side Vertical. Upper. Dove Gray. Panel, Right Side Vertical.Upper. Sterling Royce. |

## door - inside front





| Item No. | Part No. | Description | Item No. | Part No. | Description |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 750101-5 | Assembly Complete. Cabinet W/Legs. | 25 | 201453 | Gum \& Mint Tray Catch. |
|  |  | Specify Color.111. | 26 | 437-41 | Nut, Keps (1/4-28). |
|  | 750101-6 | Assembly Complete. Cabinet W/Legs. | 27 | 440278 | G \& M Tray Slide. |
|  |  | Specify Color. 112. | 28 | 300137 | Screw, Shelf Roller. |
|  | 750101-7 | Assembly Complete. Cabinet W/Legs. | 29 | 660439-1 | Supt., G \& M Left Side. 112. |
|  |  | Specify Color 115. |  | 202064-1 | Supt. Bracket Only. 112. |
| 2 | 600195 | Leg Assembly Rear. Specify Color. |  | 660439-3 | Supt., G \& M Left Side. 111. |
| 3 | 420187 | Screw, Hex Hd. Mach.(5-16-18 x 314). |  | 202064-3 | Supt. Bracket Only. 111. |
| 4 | 300103 | Leg Leveler. | 30 | 660439-2 | Supt. G \& M R.H. 111. |
| 5 | 600195 | Leg Assembly Front. Pivot Side. |  | 202064-2 | Supt. Bracket Only. 111. |
|  |  | Specify Color. |  | 660439 | Supt. G \& M R.H. 112. |
| 6 | 201773 | Lower Hinge Support. Specify Color. |  | 202064 | Supt. Bracket Only. 112. |
| 7 | 420010-22 | Washer | 31 | 600433 | Assembly, Door Lock Catch. |
| 8 | 420003 | Screw, Flat Hd. (1/4×20 x $3 / 4$ ). | 32 | 404-4 | Nut, Hex Hd. (8-32). |
| 9 | 640157 | Assembly, Lower Door Plate. Specify Color. | 33 | 680456 | Harness, Fan. |
| 10 | 300151 | Nut, Special. Door Stop Anchor. | 34 | 202072 | Fan Housing Only. |
| 11 | 400090 | Door Stop. | 35 | 660441 | Kit, Complete. Ventilating Fan.Add-on. 115 Volt. |
| 12 | 420010-10 | Washer. |  | 660441-1 | Kit, Complete. Ventilating Fan.Add on. |
| 13 | 114-41-8 | Screw Hex Hd.Mach. (1/4-20 x 1/2). |  |  | 240 Volt. |
| 14 | 200940 | Door Stop Bracket. |  | 360122-2 | Fan Motor. 120 Volt. |
| 15 | 276-8R6 | Screw, Pan Hd.Self Tap (8-32 x 3/8). |  | 360122-3 | Fan Motor. 230 Volt. |
| 17 | 202065-1 | Plate, G \& M Filler. Deflector. | 36 | 202070 | Fan Screen Bracket. |
| 18 | 380230 | Gum \& Mint Receptacle Plug Only. |  | 202235 | Cover Plate (Use WO/Fan). |
| 19 | 201415 | Gum \& Mint Mounting Bracket Plug.111. | 37 | 202071 | Fan Screen. |
|  | 201415-1 | Gum \& Mint Mounting Bracket Plug. | 38 | 438-41 | Nut, Keps (1/4-20). |
| 21 | 600197 | Assembly, Leg Front. Lock Side. | 39 | 640150 | Assembly Top Hinge. Specify Color. |
|  |  | Specify Color. | 40 | 420003-1 | Screw, Flat Hd. (1/4-20 x 1/2). |
| 22 | 202124 | Cash Box Support. | 41 | 750097 | Lock \& CAM for Cash Box w/2 Keys |
| 23 | 600648 | Cash Box Mounting Bracket Assembly. |  |  | Specify Number. |
| 24 | 600179-1 | Cash Box. |  | $\begin{aligned} & 420020 \\ & 420069 \end{aligned}$ | Lock w/1 Key .Specify Number CAM Cash Box Only. |



| Item No. | Part No. | Description | Item No. | Part No. | Description |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{array}{r}1 \\ \\ \\ \\ \hline\end{array}$ | 750101-5 | Cabinet Assembly Complete. WLegs. 111. <br> Specify Color. <br> Cabinet Assembly Complete. W/Legs 112. <br> Specify Color. <br> Assembly Complete. Cabinet.WLegs. <br> Specify Color. 115. | 11 | 640177-1 <br> 640177-3 <br> 360163 <br> 680501 <br> 660506 <br> 660508 | Assembly Cabinet Track Right. 112. <br> Assembly Cabinet Shelf Track Right.111. <br> Power Inlet Cord. <br> Power Inlet Cord Export. <br> Assy. Complete Power Cord w/plate <br> Assy. Complete. Power Cord w/plate |
| 2 | 420142-2 | Pin, Cabinet Receptacle. | 13 | 380052-3 | Strain Relief Bushing W/Screw. |
| 3 | 660442 660442-3 660442-1 | Cabinet Harness Complete. 5 Shelf. Cabinet Harness. Complete. 115. Cabinet Harness Complete. 6 Shelf. | $\begin{aligned} & 14 \\ & 15 \end{aligned}$ | $\begin{aligned} & 202270 \\ & 660492 \end{aligned}$ | Power Inlet Cord Plate. <br> Assembly Complete. Light Ballast \& Filter. 115 Volt. |
| $\begin{aligned} & 4 \\ & 5 \end{aligned}$ | 202069 276-8R6 | Receptacle Mounting Plug. <br> Screw, Pan Hd.Self-Tap ( $8-32 \times 3 / 8$ ). |  | 660492-1 | Assembly Complete. Light Ballast \& Filter. 220 Volt. |
| 6 7 | 640177 <br> 640177-2 <br> 202119 | Assembly Complete. Left Side Track.112. Assembly Complete. Left Side Track. 111. Filler Plate. Left Front |  | 660492-2 202251 | Assembly Complete. Light Ballast \& Filter. 240 Volt. <br> Cover Mounting Plate Only. |
| 8 9 | $\begin{aligned} & 201386-1 \\ & 202252 \\ & 202266 \\ & 660446 \end{aligned}$ | Gum \& Mint Filler Panel. <br> (Use W/o Gum \& Mint Shelf). <br> Filler Panel. 4 Shelf Only (Not Shown). <br> Filler Plate. Front 112S Only. <br> Assembly Complete. Swing Out Panel. | $\begin{aligned} & 16 \\ & 17 \\ & 18 \end{aligned}$ | $\begin{array}{\|l\|} \hline 380303 \\ 404-6 \\ 680514 \\ 680513-1 \\ 680513 \end{array}$ | Assembly, Line Filter. Nut, Hex Hd. (6-32) Ballast Only. 115 Volt. Ballast Only. 220 Volt. Ballast Only. 240 Volt. |
| 10 | 660489 | See Page \#21 For Itemized Parts Assembly Complete Main Junction Box. (See Page \#33 For Itemized Parts.) | $\begin{aligned} & 19 \\ & 20 \\ & 21 \\ & 22 \end{aligned}$ | $\begin{aligned} & 276-6 R 6 \\ & 202238 \\ & 680455-4 \\ & 420078-1 \\ & 202120 \end{aligned}$ | Screw, Pan Hd. (6-32 x 3/8). Validator Guard Ground Wire (Not Shown) Pop Rivet Shelf Support, Left Front. |



| Item No. | Part No. | Description | Item No. | Part No. | Description |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 660446 | Assembly Complete, Swing Out Panel. | 14 | 404-8 | Hex Nut \#8. |
|  | 600614 | Panel Only. | 15 | 18443 | Hex Nut $1 / 4$ Self Threading. |
| 2 | 680310 | Door Operate Switch Harness. | 16 | 680457 | Connector Ribbon - Control Board. |
| 3 | 380258 | Door Operate Switch. | 17 | 360166 | Display Board.Without Optics. |
| 4 | 420095 | P.C. Board Stand Off. |  | 460533 | Display Board Pad. |
| 5 | 360165 | Control Board. |  | 360166-1 | Display Board.With Optics. |
|  | 380308 | Battery | 18 | 200-6R6 | Screw, Rd. Hd. Type AB \#6. |
| 6 | 660368 | Front Bezel, Assembly Complete. Black. | 19 | 276-8R6 | Screw, Pan.Had. Phil. Type 23 \#8-32 x 3/8. |
|  | 320057-1 | Front Bezel Only. | 20 | 440289 | Coin Return Button.Gray. |
| 7 | 440310 | Display Lens. |  | 440289-2 | Coin Return Button.Use w/DEBITEK only. |
| 8 | 440304 | Selector Button. Quantity 20. |  | 440289-3 | Coin Return Button.Black. |
|  | 460415 | Decal, Selector Button Background, Black. | 21 | 201660 | Coin Return Support Bracket. |
|  | 460415-1 | Decal, Selector Button Background, Dark | 22 | 600502 | Coin Chute Assembly. Metal. (Dutch Use) |
|  |  | Brown. |  | 660488 | Assembly. Coin Chute. Plastic. |
|  | 460415-2 | Decal, Selector Button Background, Medium | 23 | 660367 | Coin Return, Assembly Complete. |
|  |  | Gray. |  | 640152 | Coin Return Bracket Only. |
| 9 | 660366 | Selector Switch \& Plate Assembly. |  | 751-25 | Retaining Ring, 1/4. |
| 10 | 460414 | Bezel Background. Black. |  | 400034 | Spring, Indexing Lever. |
|  | 460414-1 | Bezel Background.Multicard. | 24 | 201703 | Coin Return Link. |
|  | 460414-2 | Bezel Background. Dark Brown. | 25 | 440311 | Coin Chute. |
|  | 460414-3 | Bezel Background. Medium Gray. | 26 | 201712 | Coin Chute Support Bracket. |
| 11 | 440309 | Coin Entrance. | 27 | 660445 | Panel Latch, Assembly Complete. |
|  | 440309-1 | Coin Entrance. (use w/DEBITEK Only) |  | 202121 | Latch, Bracket Only. |
| 11A | 460416 | Decal, Coin Return, Black. | 28 | 437-41 | Nut 1/4-28 Keps. |
|  | 460416-1 | Decal, Coin Return, Dark Brown. | 29 | 440362 | Shelf Roller. |
|  | 460416-2 | Decal, Coin Return, Medium Gray. | 30 | 300203 | Shelf Roller Screw. |
| 11B | 460417 | Decal, Right Side Insert Filler. Black. | 31 | 660448 | Control Board Cover Assembly. |
|  | 460417-1 | Decal, Right Side Insert Filler. Dark Brown. |  | 660448-3 | Assembly, Control Board Cover. England. |
|  | 460417-2 | Decal, Right Side Insert Filler. Medium Gray. |  | 660448-2 | Assembly, Control Board Cover. French. |
| 12 | 660370 | Assembly, Validator Filler. Black. |  | 460575 | Instructions Control Board. Export. |
|  | 460424 | Validator Decal Only. Black. |  | 202175 | Cover Only. |
|  | 660370-1 | Assembly, Validator Filler. Dark Brown. | 32 | 420040-3 | Hole Snap Bushing. |
|  | 460424-1 | Validator Decal Only. Dark Brown. | 33 | 460514 | Instructions, Control Board. |
|  | 660370-2 | Assembly, Validator Filler. Medium Gray. |  | 460539 | Instructions, Control Board. French. |
|  | 460424-2 | Validator Decal Only. Medium Gray. |  | 460657 | Decal, Instructions. England. |
|  | 460636 | Validator Decal. French. | 34 | 202136 | Panel Stop. 111/112 Only. |
|  | 202708 | Adapter Bracket CBV (Not Shown) | 35 | 750182 | Kit, Lower Plastic Coin Chute. (2 pcs.) |
| 13 | $\begin{aligned} & 660371 \\ & 460425 \end{aligned}$ | Debit Card Filler Assembly. Black. Debit Card Decal Only. Black |  |  |  |
|  | 460425-1 | Debit Card Decal. (Use w/DEBITEK only) |  |  |  |
|  | $\begin{array}{\|l\|} \hline 460637 \\ 660371-1 \end{array}$ | Debit Card Decal. French. <br> Debit Card Filler Assembly. Dark Brown. |  |  |  |
|  | 460425-2 | Debit Card Decal Only. Dark Brown. |  |  |  |
|  | $\begin{aligned} & 660371-2 \\ & 460425-3 \end{aligned}$ | Debit Card Filler Assembly. Medium Gray. Debit Card Decal Only. Medium Gray. |  |  |  |



| Item <br> No. | Part No. | Description | Item No. | Part No. | Description |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 750121-4 | Assembly Complete. Snack Shelf w/0 Spirals, 111. |  |  |  |
|  | 750121-5 | Assembly Complete. Snack Shelf w/0 Spirals,112. | 16 | 276-8R6 | Screw, Pan Hd.Self-Tap (8-32 x 3/8) |
|  | 750162-1 | Assembly Complete. Dual Snack Shelf w/0 Spirals, | 17 | 600601 | Bracket Only. |
|  |  | 112. | 18 | 420142-2 | Pin, Shelf Plug. |
|  | 750162-2 | Assembly Complete. Dual Snack Shelf, w/o | 19 | 660435-5 | Assembly Complete. Harness \& Plug Brkt. |
|  |  | Spirals, 111. |  | 680448 | Harness, Complete. Pastry Shelf. |
|  | 600267-5 | Snack Shelf Only, 111. | 20 | 440366 | Spiral Retainer. Left Hand. Gray. |
|  | 600267-6 | Snack Shelf Only, 112. | 21 | 440287 | Spiral Retainer. White. |
| 3 | 750159 | Kit, Dual Spiral Add-On. | 22 | 201534 | Front Rail Support Only. |
|  | 360169 | Dual Spiral Motor Only, White. | 23 | 660330-2 | Product Rail Assembly. For use w/Pastry Spiral. 112. |
| 4 | 360138 | Vend Motor Complete, White. |  | 660330-3 | Product Rail Assembly. 111. |
| 5 | 300203 | Screw, Shelf Roller. |  | 440148-2 | Plastic Rail Only. |
| 6 | 440362 | Roller, Shelf. | 24 | 200913 | Rear Support Bracket Only. For use w/Special Candy |
| 7 | 437-41 | Nut, Keps. (1/4-28). |  |  | Spiral. |
| 8 | 305-8R6 | Screw, Pan Hd.Phillips. Plastite. (8-16 $\times 3 / 8$ ). | 25 | 400124-1 | 6 Space. Snack Spiral. 111. |
| 9 | 440285 | Price and Selection Tab Holder. |  | 400125-1 | 8 Space Snack Spiral. 111. |
| 10 | 460346 | Item Tabs. |  | 400126-1 | 10 Space Snack Spiral. 111. |
| 11 | 460347 | Price Tabs. Assorted 25¢ - \$1.50. |  | 400165-1 | 4 Space Snack Spiral. 111. |
|  | 14600010 | Price Tabs. Assorted \$3.25-\$5.50 |  | 400127-1 | 10 Space Snack Spiral, Chrome. 112. |
|  |  | (See Candy Shelf Additional Price Sheets - Next Page) |  | 400128-1 | 12 Space Snack Spiral, Chrome. 112. |
| 12 | 440367 | Dual Spiral Pastry Shelf, Front Only. |  | 400129-1 | 15 Space Snack Spiral, Chrome. 112. |
| 13 | 640101 | Spacer, Snack Shelf. 112. |  | 400136-1 | 30 Space Snack Spiral, Chrome. 112. |
|  | 640101-1 | Spacer, Snack Shelf. 111. |  | 400137-1 | 40 Space Snack Spiral, Chrome. 112. |
|  | 202770 | Large Chip Bag Extension. 112 |  | 400153-1 | 7 Space Snack Spiral, Chrome. 112. |
|  | 202770-1 | Small Chip Bag Extension . 111 |  | 400162-1 | 6 Space Snack Spiral, Chrome. 112. |
| 14 | 400184-1 | Short Spiral. Left Hand. 4 Space. Chrome. 111. |  | 400163-1 | 18 Space Snack Spiral, Chrome. 112. |
|  | 400186-1 | Short Spiral. Left Hand. 3 Space. Chrome. 111. | 26 | 750083 | Kit, Can Dispenser Assembly. 112. |
|  | 400175-1 | Dual Spiral Only. Left Hand. 8 Space. 111. |  | 750083-1 | Kit, Can Dispenser Assembly. 111. |
|  | 400176-1 | Dual Spiral Only. Left Hand. 10 Space. 111. | 27 | 440201 | Drive Cam. Rear. |
|  | 400169-1 | Dual Spiral Only. Left Hand. 10 Space. Chrome. 112. | 28 | 751-31 | Retaining Ring. \#31. |
|  | 400170-1 | Dual Spiral Only. Left Hand. 12 Space. Chrome. 112. | 29 | 440200 | Drive Cam. Front. |
|  | 400171-1 | Dual Spiral Only. Left Hand. 15 Space. Chrome. 112. | 30 | 300184 | Shoulder Bushing. |
|  | 400179-1 | Dual Spiral Only. LH. 9 Space. Chrome. |  | 277-10R8 | Screw Type 23 (\#10-32 x 1/2). |
|  | 400178-1 | Dual Spiral Only. Left Hand. 7 Space. Chrome. 112. | 31 | 400094 | Actuator Wire. 112. |
| 15 | 400183-1 | Short Spiral.Right Hand. 4 Space. Chrome. 111. |  | 400094-1 | Actuator Wire. 111. |
|  | 400185-1 | Short Spiral.Right Hand. 3 Space. Chrome. 111. | 32 | 440196 | Price and Selection Trim. |
|  | 400166-1 | Dual Spiral Only. Right Hand. 9 Space. Chrome. 112. | 33 | 440199 | Stop Lever. |
|  | 400164-1 | Dual Spiral Only. Right Hand. 7 Space. Chrome. 112. | 34 | 440198 | Leg, Top Can Guide \& Sign Trim. |
|  | 400173-1 | Dual Spiral Only. Right Hand. 6 Space. 111. | 35 | 440197 | Top, Can Guide \& Sign Trim. |
|  | 400116-1 | Dual Spiral Only. Right Hand. 8 Space. 111. | 36 | 600308 | Can Dispenser. Trough Only. 112. |
|  | 400117-1 | Dual Spiral Only. Right Hand. 10 Space. 111. |  | 600308-1 | Can Dispenser. Trough Only. 111. |
|  | $\begin{aligned} & 400168-1 \\ & 400120-1 \\ & 400121-1 \end{aligned}$ | Dual Spiral Only. Right Hand. 10 Space. Chrome. 112. Dual Spiral Only. Right Hand. 12 Space. Chrome. 112. Dual Spiral Only. Right Hand. 15 Space. Chrome. 112. | 37 | 640109 | Cam, Mounting Brkt. \& Spring Assembly. |



| Item |  |
| :---: | :--- | :--- |
| No. | $\quad$ Description |


| Item No. | Part No. | Description |
| :---: | :---: | :---: |
| 12 | 440141-1 | Candy Product Pusher. |
| 13 | 660503 | Product Guide Assembly. For Use w/Half Cycle Motor. 112. |
| 14 | 660503-1 | Product Guide Assembly. For Use w/Half Cycle Motor. 111. |
|  | 660296 | Small Product Guide. For Use w/Thin Mints. 112. |
|  | 660296-1 | Small Product Guide. For Use w/Thin Mints. 111. |
|  | 400116-1 | 8 Space. Candy Spiral.111. |
|  | 400117-1 | 10 Space Candy Spiral. 111. |
|  | 400118-1 | 12 Space Candy Spiral. 111. |
|  | 400119-1 | 16 Space Candy Spiral. 111. |
|  | 400134-1 | 20 Space Candy Spiral. 111. |
|  | 400173-1 | 6 Space Candy Spiral. 111. |
|  | 400120-1 | 12 Space Candy Spiral, Chrome. 112. |
|  | 400121-1 | 15 Space Candy Spiral, Chrome. 112. |
|  | 400122-1 | 18 Space Candy Spiral, Chrome.112. |
|  | 400123-1 | 24 Space Candy Spiral, Chrome. 112. |
|  | 400135-1 | 30 Space Candy Spiral, Chrome. 112. |
|  | 400138-1 | 40 Space Candy Spiral, Chrome. 112. |
|  | 400164-1 | 7 Space Candy Spiral, Chrome. 112. |
|  | 400166-1 | 9 Space Candy Spiral, - Chrome. 112. |
|  | 400167-1 | 6 Space Candy Spiral, Chrome. 112. |
|  | 400168-1 | 10 Space Candy Spiral, Chrome. 112. |
| 15 | 276-8R6 | Screw, Pan Hd.Self-Tap (8-32 x 3/8). |
| 16 | 420142-2 | Shelf Plug. Pin. |
| 17 | 680447-1 | Harness. Candy Shelf. |
|  | 660435-4 | Assy. Shelf Harness With Bracket |
| 18 | 600601 | Bracket Only. |
| 20 | 660191 | Product Rail Assembly. For Use With A Candy Spiral. 112. |
|  | 440148-1 | Plastic Rail Only. 112. |
|  | 660191-2 | Product Rail Assembly. For Use With A Candy Spiral. 111. |
|  | 660191-6 | Product Rail.Use With Kit Kat.111. |
|  | 660191-8 | Product Rail. Use With Kit Kat. 112. |
|  | 600618 | Product Rail. Use With 12 Oz. Cans. 112 |
|  | 440148-2 | Plastic Rail Only. 111. |
| 24 | 200913 | Rear Support Bracket Only. |
| 25 | 201258 | Front Support Bracket Only. |
| 26 | 305-8R6 | Screw Pan Hd.Phil. Plastite (\#8-16 x 3/8) |



| Item No. | Part No. | Description | Item No. | Part No. | Description |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 750148-5 | Assembly Complete. Convertible Shelf |  | 460347-8 | Price Tabs. All \$1.00-\$1.05. |
|  |  | (4 Snack Selections) w/o spirals. 111. |  | 460347-9 | Price Tabs. All \$1.10-\$1.15. |
|  | 750148-6 | Assembly Complete. Convertible Shelf |  | 460347-10 | Price Tabs. All \$1.20-\$1.25. |
|  |  | (3 Snack Selections and 2 Candy) w/o spirals. |  | 460347-11 | Price Tabs. All \$1.30-\$1.35. |
|  |  | 111. |  | 460347-12 | Price Tabs. All \$1.40-\$1.45. |
|  | 750148-7 | Assembly Complete. Convertible Shelf |  | 460347-13 | Price Tabs. All \$1.50-\$1.55. |
|  |  | (2 Snack Selections and 4 Candy) w/o spirals. |  | 460347-14 | Price Tabs. All \$1.60-\$1.65. |
|  |  | 111. |  | 460347-15 | Price Tabs. All \$1.70-\$1.75. |
|  | 750148-8 | Assembly Complete. Convertible Shelf |  | 460347-16 | Price Tabs. All \$1.80-\$1.85. |
|  |  | (1 Snack Selection and 6 Candy) w/o spirals. |  | 460347-17 | Price Tabs. All \$1.90-\$1.95. |
|  |  | 111. |  | 460347-18 | Price Tabs. All \$2.00-\$2.05. |
|  | 750148-9 | Assembly Complete. Convertible Shelf |  | 460347-19 | Price Tabs. All \$2.10-\$2.15. |
|  |  | (8 Candy Selections) w/o spirals. 111. |  | 460347-20 | Price Tabs. All \$2.20-\$2.25. |
|  | 750149-5 | Assembly Complete. Convertible Shelf |  | 460347-21 | Price Tabs. All \$2.30-\$2.35. |
|  |  | (4 Snack Selections) w/o spirals 112. |  | 460347-22 | Price Tabs. All \$2.40-\$2.45. |
|  | 750149-6 | Assembly Complete. Convertible Shelf |  | 460347-23 | Price Tabs. All \$2.50-\$2.55. |
|  |  | (3 Snack Selections and 2 Candy) w/o spi- |  | 460347-24 | Price Tabs. All \$2.60-\$2.65. |
|  |  | rals. 112. |  | 460347-25 | Price Tabs. All \$2.70-\$2.75. |
|  | 750149-7 | Assembly Complete. Convertible Shelf |  | 460347-26 | Price Tabs. All \$2.80-\$2.85. |
|  |  | (2 Snack Selections and 4 Candy) w/o spi- |  | 460347-27 | Price Tabs. All \$2.90-\$2.95. |
|  |  | rals.112. |  | 460347-28 | Price Tabs. All \$3.00-\$3.05. |
|  | 750149-8 | Assembly Complete. Convertible Shelf |  | 460740 | Price Tabs. 75¢ - \$1.25 |
|  |  | (1 Snack Selection and 6 Candy) w/o spirals. |  | 460529 | Price Tabs. French. |
|  |  | 112. |  | 460540 | Price Tabs. Mexico. |
|  | 750149-9 | Assembly Complete. Convertible Shelf |  | 460561 | Price Tabs. Spanish. |
|  |  | (8 Candy Selections) w/o spirals. 112. |  | 460727 | Price Tabs. Italian |
|  | 750159 | Kit, Dual Spiral Add-On w/o spirals |  | 460644 | Price Tabs. English |
|  |  | (Use per selection). | 8 | 440262 | Price and Selection Tab Holder, Offset Candy. |
|  | $\begin{aligned} & 600267-5 \\ & 600267-6 \end{aligned}$ | Convertible Snack Shelf Only. 111. Convertible Snack Shelf Only. 112. |  |  | (Please see Page 27 Item \#14 for Candy Spirals). |
| 2 | 300203 | Screw, Shelf Roller. | 9 | 440285 | Price and Selection Tab Holder, Snack. |
| 3 | 440362 | Roller, Shelf. |  |  | (Please see Page 25 Item \#25 for Snack |
| 4 | 437-41 | Nut, Keps (1/4 x 28). |  |  | Spirals). |
| 5 | 305-8R6 | Screw Pan Hd.Phillips. Plastite (8-16 $\times 3 / 8$ ). | 10 | 200753-6 | Shelf Divider. Candy. |
| 6 | 460346 | Item Tabs. |  | 200753-2 | Shelf Divider. Candy. 112. |
| 7 | 460347 | Price Tabs. Assorted 25¢ - \$1.50. | 11 | 660178-2 | Assembly Candy Spacer. |
|  | 14600010 | Price Tabs. Assorted \$3.25-\$5.50 |  | 660178 | Assembly Candy Spacer. 112. |
|  | 460347-1 | Price Tabs. All 30¢ - 35c. | 12 | 276-8R6 | Screw Pan Hd. Self-Tap (8-32 $\times 3 / 8$ ). |
|  | 460347-2 | Price Tabs. All 40¢ - 45c. | 13 | 420142-2 | Pin, Shelf Plug. |
|  | 460347-3 | Price Tabs. All 50¢ - 55¢. | 14 | 660435-3 | Harness, Candy Shelf with Plug Bracket. |
|  | 4603474 | Price Tabs. All 60¢ - 65c. | 15 | 360138 | Vend Motor Complete, White. |
|  | 460347-5 | Price Tabs. All 70¢ - 75¢. |  | 750150 | Kit, Convertible Shelf. 2 Selection Add-On. |
|  | 460347-6 | Price Tabs. All 80¢ - 85¢. |  |  | 112. |
|  | 460347-7 | Price Tabs. All 90¢ - 95¢. | 16 | $\begin{aligned} & 750150-1 \\ & 440287 \end{aligned}$ | Kit Convertible Shelf. 2 Selection Add-On. 111. Spiral Lock.White. |



| Item No. | Part No. | Description | $\begin{aligned} & \text { Item } \\ & \text { No. } \end{aligned}$ | Part No. | Description |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 660317 | Assembly Complete. Gum \& Mint Shelf. 111. | 19 | 680306 | Harness, Gum and Mint Shelf. Harness, Gum and Mint "/bracket. Gum and Mint Shelf Plug Only. Harness Only, Gum \& Mint Shelf. Export Only. Harness And Bracket Only, Gum \& Mint Shelf. Export Only. |
|  | 660317-2 | Assembly Complete. Gum \& Mint Shelf. 112. |  | 660341 |  |
|  | 660317-5 | Assembly Complete, Gum \& Mint |  | 380229 |  |
|  |  | Shelf. 111. Export Only. |  | 680328 |  |
|  | 660317-6 | Assembly Complete. Gum \& Mint |  |  |  |
|  |  | Shelf. 112. Export Only. |  | 660341-1 |  |
|  | 750165-1 | Kit, G \& M Add-On. 112. |  |  |  |
|  | 750165-2 | Kit, G \& M Add-On. 111. | 20 | 201414-1 | Strap, Gum and Mint Pusher Stop. G \& M Pusher Stop Strap, Export Only. Screw, Flat Hd. Phil. Type $23(6-32 \times 5 / 16)$. |
|  | 750165-11 | Kit, G \& M Add-On. 111. Australia |  | 201553 |  |
|  | 750165-10 | Kit, G \& M Add-On. 112. Australia | 21 | 262-6R5 |  |
|  | 600421 | Gum and Mint Shelf Only. 111 | 22 | 400106 | Screw, Flat Hd. Phil. Type 23 ( $6-32 \times 5 / 16$ ). Spring, Gum and Mint Pusher Return. Assembly, Complete Gum and Mint |
|  | 600421-2 | Gum \& Mint Shelf Only. 112 | 23 | 660314 |  |
|  | 600463-2 | Gum \& Mint Shelf Only. 111. Export Only. |  |  | Assembly, Complete Gum and Mint <br> Display. Hinge. <br> Gum and Mint Shelf Latch. Right Side. |
|  | 600463-3 | Gum \& Mint Shelf Only. 112. Export Only. | 24 | 201454 |  |
| 2 | 420049-9 | Snap Bushing and Hole Plug. | 25 | 420023 | Wing Nut (8-32). |
| 3 | 201412 | Thin Mint Adapter (2 per selection) 112. | 26 | 201411-1 | Column Spacer, Left. 112. |
|  | 201412-1 | Thin Mint Adapter (2 per selection) 111. |  | 201411-3 | Column Spacer, Left.111. |
| 4 | 201458-1 | Gum and Mint Rear Pusher Stop. | 27 | 201411 |  |
|  | 201458-3 | Gum and Mint Rear Pusher Stop, |  | 201411-2 | Column Spacer, Right. 111. <br> Shelf Grommet. (NGS \#1 22). 112. |
|  |  | Export Only. | 28 | 420296 |  |
| 5 | 276-8R6 | Screw, Pan Hd.Self-Tap Phillips |  | 420296-1 | Shelf Grommet. (NGS \#1 22). 112. <br> Shelf Grommet. (NGS \#1 14).111. |
|  |  | ( $8-32 \times 318$ ). |  | 460351 |  |
| 6 | 217-8R22 | Screw, Pan Hd.Phillips Type AB (1-3/8). | 30 | 201409-1 | Cover, Gum and Mint Shelf. 111. Cover, Gum \& Mint Shelf. 112. |
| 7 | 300184 | Shoulder Bushing. |  | 201409-2 |  |
|  | 277-10R8 | Screw Type 23 (\#10-32 x 1/2). |  | 201530-1 | Cover, Gum \& Mint Shelf. 112. Cover Gum and Mint Shelf, 111. |
| 8 | 201454-1 | Gum and Mint Shelf Latch. Left Side. |  |  | Export Only. |
| 9 | 360105 | Gum and Mint Motor, White. |  | 201530-2 | Gum \& Mint Shelf Cover, 112.Export Only. |
| 10 | 420089 | Screw, $100^{\circ}$ Flat Hd.(6-32 $\left.\times 1 / 2\right)$. |  |  |  |
| 11 | 600427 | Gum and Mint Plug Mounting Bracket. | 31 | 660313 | Assembly, Complete. Gum and MintPusher and Spring. |
| 12 | 440267 | Ejector, Gum and Mint. |  |  |  |
| 13 | 440266 | Gum and Mint Shelf Front Base. | 32 | 801C-125-12 | Roll Pin (1/8 $\times 3 / 4$ ).Pusher Only. |
| 14 | 305-7R16 | Screw, Pan Hd.Plastite (\#7 x 1). | 33 | 440265 |  |
| 15 | 460352 | Decal, Gum and Mint Shelf Latch. | 34 | 440274 | Pusher Only. Roller, Gum and Mint Pusher. |
| 16 | 440270 | Display Stop. Gum and Mint Column Front. | 35 | 201691 | G \& M Shelf Closer. |
| 18 | 305-7R22 | Screw, Pan Hd. Plastite (\#7 x 1-3/8). |  |  |  |





| Item No. | Part No. | Description |
| :---: | :---: | :---: |
| 1 <br> 2 <br> 3 <br> 4 <br> 7 <br> 8 | 660489 <br> 660489-2 <br> 660489-1 <br> 660489-3 <br> 202249 <br> 680511 <br> 680510 <br> 202087 <br> 276-8R6 <br> 380291 <br> 437-10 | Assembly Complete, Junction Box. 110 Volts. <br> Assembly Complete, Junction Box. 220 <br> Volts. Export Only. <br> Assembly Complete, Junction Box. 240 <br> Volts. Export Only. <br> Assembly Complete. Junction Box. 115 Volt Export. Mexico. <br> Junction Panel Only. Junction Box Harness, Domestic. Junction Box Harness. Export Only. <br> Cover, Junction Panel. <br> Screw, Pan Hd.Phil. Type 23 (8-32 x 3/8). <br> Push Mount Cable Tie. <br> Nut, Keps,10-32. |


| Item No. | Part No. | Description |
| :---: | :---: | :---: |
| 9 | 680452 | Changer Harness. U.S. |
|  | 680516 | Harness Changer Exec.(L+) |
| 10 | 276-6R6 | Screw Pan Hd.Phil. Type 23 (6-32 x 3/8). |
| 11 | 360164 | Transformer, Domestic. |
|  | 360167 | Transformer, Export. |
| 12 | 380241 | Circuit Breaker. |
| 13 | 380243 | Switch, On/Off. |
| 14 | 360109 | Control Power Board. U.S. Only. |
| 15 | 420095 | PC Board Stand-Offs. U.S. Only. |
| 16 | 460506 | Decal, Breaker Identification. Domestic. |
|  | $\begin{aligned} & 460578 \\ & 460458-2 \end{aligned}$ | Decal, Breaker Identification. Export. Not Shown. Voltage Decal 240 Volt. |
|  | 460458-1 | Not Shown. Voltage Decal 220 Volt. |
|  | 460535 | Decal, Breaker Identification. French. |

## electrical harnesses

|  | Description |
| :--- | :--- |
| 360163 | Line Cord Set. |
| 680306 | Harness, Gum and Mint Shelf. |
| $680447-1$ | Harness, Candy Shelf. |
| 680448 | Harness, Pastry Shelf. |
| 660442 | Cabinet Back Harness 5 Shelves. |
| $660442-1$ | Cabinet Back Harness 6 Shelves. |
| 680452 | Harness, Changer Hook-Up. |
| 680501 | Line Cord Export. |
| 680542 | Harness Interconnect. 115. |
| 660507 | Assy. Line Cord Australia. |
| 660508 | Assy. Complete Line Cord Export. |
| 680456 | Harness, Fan or Light. |
| 680464 | Assembly Lamp Harness. |
|  |  |
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| Part No. | Description |
| :--- | :--- |
| 680310 | Harness, Operate Switch. |
| 680355 | Harness, Mars/Coinco Bill Validator. Hook Up. 24 Volt. |
| 680457 | Connector Ribbon. |
| 680475 | Harness, Mars/Coinco Bill Validator. Hook Up. 115 Volt. |
| 680319 | Executive Harness, Mars Changer Hook Up. Export |
|  | Only. |
| $660442-3$ | Harness Cabinet Complete. 115. |
| 660506 | Assy. Complete Line Cord w/plate. |
| 660483 | Assy. Complete. Line Cord Export. |
| $660505-5$ | Assy. Complete. Line Cord Multisnack. |
| 660460 | Assy. Line Cord. Australia. |
| $680475-1$ | Harness, Mars Validator w/Card Reader, w/2 Pin Molex |
| 680577 | Harness, Printer. |
| 680509 | Harness, Board to Printer. |
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chill machine supplement


| Itderm Nolo. | PaPaktalo. | Description |
| :---: | :---: | :---: |
| 1 | 660452 | Assembly Complete. Cabinet \& Insulation Only. Specify Color. 112. |
| 2 | 276-8R6 | Screw, Pan Hd.Phillips (8-32 x 3/8). |
| 3 | 202404 | Air Duct Top Support. |
| 4 | 660455 | Assembly, Air Duct. Export and Domestic 112. |
| 5 | 460468 | Door Gasket.Order by Inches (Qty. 80). |
| 6 | 680458-1 | Harness, Power Inlet Box. 112. |
|  | 680503 | Harness, Power Interlock Box. Export. |
| 7 | 660447-1 | Assembly Complete. Power Interconnect Box. 112. |
|  | 660486 | Assembly, Power Interconnect Box.Export. 112. |


| Ittarm <br> NHO. | PaRantoNo. | Description |
| :---: | :---: | :---: |
| 8 | 460468 | Gasket.Order by Inches. |
| 9 | 202145 | Right Retainer. |
| 10 | 202144 | Left Retainer. |
| 11 | 660514 | Assembly Complete. Cooling Unit. (R134A) 112. |
|  | 660513 | Assembly Complete. Cooling Unit. Export. (R134A) 112. |
| 12 | 660504 | Assembly Vent Back Screen. |
| 13 | 660505 | Line Cond. U.S.111/112. |
| 14 | 276-8R8 | Screw, Pan HD. Phillips (8.32 X 1/2). |
| 15 | 202471 | Deflector. |

111 chill machine only

| Item <br> No. | Part No. | Description |
| :---: | :--- | :--- |
| 1 | 660520 | Assembly Complete. Cabinet \& Insulation Only. <br> Specify Color. <br> 3 <br> 4 <br> 7 |
| 640192 | Air Duct Top Support. <br> Assembly, Air Duct. <br> Assembly Complete. Power Interconnect Box. <br> 220/240V. 111 Only. |  |


| Item <br> No. | Part No. | Description |
| :---: | :--- | :--- |$|$| 10 |
| :--- |
| 11 |

chill machine supplement



AP II style


high tech style



## tron II style



| REPORT DATE 09/23/94 |  | COMMENTS |
| :---: | :---: | :---: |
| REPORT TIME 09:05 |  | Special notes or Service Mode For Access in BOLD |
| ID101 12345678 |  | Eight digit machine ID number - Mode Service 0300 |
| EA301 | 6 | Number of electronic audits |
| EA203 | 0 | Number of Audit Resets |
| VA101 | 20.45 | Cash Meter, all vends - Mode Service 8 |
| VA102 | 38 | Vend Counter all vends - Mode Service 8 |
| VA202 | 19 | Counter, Test Vends - Mode Service 9 |
| VA301 | 3.25 | Cash Meter, Winner Vends - Mode Service 0100 |
| VA302 | 6 | Vend Counter, Winner Vends - Mode Service 0100C |
| VA702 | 0.00 | Cash Meter Discount Vends - Mode Service 0800 \& 0110 |
| CA306 | 12.45 | Cash to Coin Box |
| CA308 | 8.00 | Value of Bills Accepted |
| DA201 | 0.00 | Cash Meter, Debit Card Sales |
| DA202 | 00 | Vend Counter, Debit Card Sales |
| CA602 <br> EA1 | 40 | Number of Door Openings |
|  | *1*23*09:00*01 | Time of most recent door open (hour) |
|  |  | *Number*Day of month*hour:OO*Duration of opening |
| EA1 | *2*23*08:00*21 | Time of second most recent door open |
| EA1 | *3*22*09:00*11 | Time of third most recent door open |
| EA1 | *4*21*09:00*15 | Time of fourth most recent door open |
| PA 1 | *11**A1, A3, A5, A7 | Product Code (* 11) and Selections assigned to that code |
| PA202 | 10 | Vend Counter, Product Code (*11) - Mode Service 0500 |
| PA202 | 5.00 | Cash Meter, Product Code (* 111 |
| EA1 | *11*23*08:00 | Most Recent Product Code Vend (hour) |
|  |  | *Product Code*Day of month*hour:OO** |
| PA1 | *21**B1,B3,B5,B7 | Product Code (*21) and Selections assigned to that code |
| PA202 | 6 | Vend Counter, Product Code (*21) - Mode Service 0600 |
| PA202 | 3.00 | Cash Meter, Product Code (*21) |
| EA1 | *21*23*08:00 | Most Recent Product Code Vend ((hour) |
| END OF PRINTOUT ${ }^{\text { }}$ |  |  |

Note: Dotted lines added to printer tape for clarity.
All clock dependent functions require that time \& date are correctly set in Service Mode 0200.
Revision M or higher software required. Mode Service 0501
$\qquad$

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| 80ctit 146010 <br>  | ST <br> HOTRTIMA THPE CHDLETE 38015 | 2 PN MTEFTITHAL MOLEX Sope 1 |
| 2 RN FTIETMTOML MOLEX FECGTICIE <br>  | 4 PIN INTERNATIONAL MOLEX PLUG 380296 <br> 3 PIN INTERNATIONAL MOLEX PLUG <br> FREE HANGING－ 380286 <br> PANEL MOUNT－380286－1 | 4 PIN INTERNATIONAL MOLEX RECEPTICAL－ 380293 <br> 3 PIN INTERNATIONAL MOLEX RECEPTICAL－ 380288 |
|  |  |  |

_ trouble shooting chart

| Problem | Cause | Remedy |
| :---: | :---: | :---: |
| No power | No lights | Check wall outlet for correct wiring, and line cord. See page 3. |
|  | Lights work - no power to board | Check transformer outputs \& circuit breakers |
|  | No power to the board | Check wiring connections |
|  | Defective power board | Replace power board |
|  | Display blank | Check for voltage at P1-110 Machine-4.7 volts between yellow wires |
|  |  | LCM machines-24VAC at white wires at P1 |
| Won't take coins | No power to machine | Check wall outlet, line cord \& voltage |
|  | Defective changer | Replace changer |
|  | Machine only accepts one coin | Machine lost its vend prices reprice and test |
|  | Defective circuit breaker | Replace circuit breaker |
|  | No power to coin payouts | Replace power board or logic board on LCM machines |
| Won't payout coins/incorrect change returned | No voltage | Check voltages |
|  | Defective power board | Replace power board |
|  | Defective coin mechanism. | Replace coin mechanism. |
|  | Jammed coins in tube | Remove coins |
| Won't take bills | No coins in coin tubes | Fill coin tubes |
|  | Belts or stacker doesn't run on power-up | Check for 110 VDC on power board |
|  | Belts run-bill goes half way but won't accept | Replace validator |
|  | Incorrect inventory | Check inventory of coin mechanism by entering service mode 10-125 |

## trouble shooting chart

| Problem | Cause | Remedy |
| :---: | :---: | :---: |
| Says make another selection | Motor $1 / 2$ cycled | Home motor and retry /LCM do mode 5 test vend |
|  | Selection lost its price | Reset prices |
|  | Motor won't turn | Swap shelves with another shelf and retry |
|  |  | Check shelf harness connection to board |
|  |  | Check 24VAC to logic board (blue wires 110) /white wires LCM |
| Display messages | "Machine use not allowed" | Machine set in shutdown mode see mode 800 in manual |
|  | "Buy now \& save X\%" | Machine set in discount mode see mode 900 in manual |
|  | "Free" | Winner vend set to 01 |
|  |  | Discount set on |
|  |  | Selection priced at 00.00 |
|  |  | Free vend on |
| Use correct change | Coin tubes empty | Re-fill coin tubes |
|  | Says use correct change with coin tubes full | Replace coin mechanism |
| Spirals turn more than one turn | Capacitor discharging current | Re-solder capacitor or replace motor |
|  | Loose wire on motor | Repair wire |
|  | Defective motor switch | Replace switch |
|  | Defective control board | Replace control board |
| More than one motor turns together | One of the motor wires is shorting out | Check each individual motor for loose or pinched wire |
|  | Defective control board | Replace control board |
|  | Incorrect vend motors installed | Black bodied motors for LCM |
|  |  | Ivory bodied motors for 110 series |


| Problem | Cause | Remedy |
| :--- | :--- | :--- |
| Unable to enter service mode | Check plugs on control board | Power down and remove and <br> install connectors |
|  | Defective changer | Replace changer |
|  | Defective main board | Replace board |
|  | Incorrect voltage | Check voltages $\pm 10 \%$ |
|  | Defective coin mechanism | Replace coin mechanism |
|  | Defective board | Replace control board |
| Motor doesn't home on door <br> close | No voltage | Check for correct voltages |
|  | Defective door switch | Replace door switch |
|  | Defective board | Replace board |

## connector pinouts

P1 POWER IN
124 VAC HOT
2 KEY
324 VAC NEUTRAL
4 7.0 VAC HOT
5 7.0 VAC NEUTRAL
6 4.7 VAC HOT
7 4.7 VAC NEUTRAL
8 4.7 VAC CENTER TAP
924 VAC 50 Ma
1024 VAC 50 Ma

## P2 MOTOR DRIVE

1 ROW A
2 ROW B
3 ROW C
4 ROW D
5 ROW E
ROW F
ROW G
8 ROW H
9 COL 1
COL 2
COL 3
KEY
COL 4
COL 5
COL 6
COL 7
COL 8
COL 9
COL 10
P3 DISPLAY
1 FIL
2 FIL
5VDC
DOR
CT
-27VDC
DATA
CLOCK
DOR
SERIAL RES. 5VDC
SERIAL RES. SIGNAL
OPTICS GND
OPTICS RECEIVE
OPTICS TRANSMIT
OPTICS 5 YOLTS
P4 MODE KEY SWITCH
1 KEY SWITCH CONTROL
2 KEY SWITCH M/O
P5-DOOR SWITCH
1 SIGNAL
2 GND

P6-BILL VALIDATOR
1 ESCRCW HIGH
2 \$1 HIGH
3 \$2 HIGH
4 \$5 HIGH
5 ESCROW ENABLE (LOW)
6 \$ ENABLE
7 \$ ENABLE
8 \$ ENABLE
9 CREDIT
10 (KEY)
11 GND
12 24VAC HOT
13 24VAC NEUTRAL
$14+15$ VDC
$15+9.75 \mathrm{VDC}$

## P7 TRC-6000/6010 Series Mech

124 VDC RET NF
2 KEY
34 VDC HOT NF
4 KEY
5 DATA
6 INT
7 AE
8 MECH RESET
9 SEND
10 +5VDC
11 GND
12 .05¢ DISPENSE
13 .10¢ DISPENSE
14 .25¢ DISPENSE
15 \$1.00 DISPENSE
P9-MS 1600/EUROPEAN CARD READER
1 REC +
2 REC
3 XMIT
4 GND
5 XMIT +
6 24VAC HOT
7 KEY
824 VAC NEUTRAL
9 EXACT CHANGE
P10-RS232 SERIAL INTERFACE
1 RECEIVE DATA
2 GND
3 TRANSMIT DATA
4 KEY
5 GND





