

# Technical Manual

## P-Series



Model DN504 and DN720  
Beginning Production Run 7675AE

Manufactured by

CRANE

**DixieNarco**  
Vending Systems

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**APPLICATION**

This information applies to 504 & 720 P-Series venders manufactured the first quarter 2006 which have significant differences in programming and parts content from previous venders. To order parts or information pertaining to this vender, please contact Dixie Narco.

**VENDER SAFETY PRECAUTIONS**

Please read this manual in its entirety. This service information is intended for use by a qualified service technician, who is familiar with proper and safe procedures to be followed when repairing, replacing, or adjusting any Dixie-Narco vender components. All repairs should be performed by a qualified service technician who is equipped with the proper tools and replacement components, using genuine Dixie-Narco factory parts.

**REPAIRS AND/OR SERVICING ATTEMPTED BY UNINFORMED PERSONS CAN RESULT IN HAZARDS DEVELOPING DUE TO IMPROPER ASSEMBLY OR ADJUSTMENTS WHILE PERFORMING SUCH REPAIRS. PERSONS NOT HAVING A PROPER BACKGROUND MAY SUBJECT THEMSELVES TO THE RISK OF INJURY OR ELECTRICAL SHOCK WHICH CAN BE SERIOUS OR EVEN FATAL.**



**PRODUCT IDENTIFICATION**

First production of 504 & 720 P-Series March 2006.

The production date of Dixie-Narco products is determined by the date code incorporated in the serial number.

The vender serial number takes the form yyyzz-xxxx. The last 4 digits (xxxx) identify the specific vender. The first 4 digits (yyyy) identify the manufacturing run that the vender was built in. The two alpha characters (zz) identify the quarter and the year the vender was built. The first alpha-character identifies the quarter.

- A = 1st quarter
- B = 2nd quarter
- C = 3rd quarter
- D = 4th quarter

The second alpha-character identifies the year:

- E = 2006
- F = 2007
- G = 2008
- H = 2009

**PHYSICAL CHARACTERISTICS**

	<b>720P</b>	<b>504P</b>
HEIGHT	<b>72"</b>	<b>72"</b>
WIDTH	<b>37"</b>	<b>28"</b>
DEPTH	<b>34"</b>	<b>33.5"</b>
DEPTH WITH VALIDATOR	<b>N/A</b>	<b>N/A</b>
SHIPPING WEIGHT	<b>788 lbs.</b>	<b>646 lbs.</b>
Loaded Weight 4 Deep Cans	<b>1486 lbs</b>	<b>1134 lbs</b>

**RECEIVING INSPECTION**

Upon receipt, inspect the vender for any shipping damage. If there is any damage have the driver note the damage on the bill of lading and notify Dixie-Narco.

Although the terms of sale are FOB shipping point, which requires the consignee to originate shipping damage claims, Dixie-Narco will gladly help if you must file a claim.

The Dixie-Narco P-Series vender is designed utilizing the latest technology.

**UNPACKING THE VENDERS**

Remove the stretch wrap and top cover from the vender. Product cards are installed in the select buttons.



*DO NOT STORE THE VENDER OUTSIDE WITH THE STRETCH WRAP ON. THIS COULD CAUSE THE STRETCH WRAP TO BOND TO THE VENDER'S SURFACE, WHICH COULD DAMAGE THE FINISH.*

Remove the shipping boards from the bottom of the vender. The shipping boards are attached by the leveling legs. To avoid unnecessary damage to the leveling legs or base, remove the shipping boards by using a 1½" "socket type" wrench to unscrew the leveling legs. Be sure to replace the legs after removing the shipping boards.



**WARNING**  
TO AVOID THE POSSIBILITY OF A FIRE HAZARD, DO NOT STORE ANYTHING OR ALLOW DEBRIS OF ANY KIND TO ACCUMULATE IN THE BOTTOM OF THE DOOR, IN AND AROUND THE REFRIGERATION COMPARTMENT OF THE CABINET, OR IN FRONT OF THE EVAPORATOR AND CONDENSER COILS.

**ELECTRIC POWER NEEDED**

Refer to the cabinet serial number plate to determine the proper voltage and frequency the machine requires (domestically this is 120 VAC, 60 Hertz). The cabinet serial plate also indicates the Amperage of the vender. The vender must be plugged into its own properly rated single phase, alternating current outlet with its own circuit protection (fuse / circuit breaker).

**DO NOT USE AN EXTENSION CORD.**

**POWER SUPPLY CORD and GROUNDING REQUIREMENTS**

In accordance with the National Electrical Code and Underwriters Laboratories Inc., beginning April 10, 2006 all domestic vending machines are equipped with a three-wire power supply cord and Ground Fault Circuit Interrupter (GFCI). The GFCI device is provided as part of the power supply cord and is

either incorporated directly into the plug or mounted on the cord adjacent to the plug.

**WARNING**

- The GFCI protects against current leakage caused by ground faults. The GFCI is not designed to protect against over current or short circuits.
- **DO NOT** use the TEST and RESET buttons on the GFCI as an ON/OFF switch.
- The vending machine supply cord **MUST** be plugged directly into a properly grounded, 3 wire receptacle that is properly protected by a fuse or circuit breaker. If the receptacle will not accept the power cord plug, it must be replaced with a properly grounded, 3 wire receptacle in accordance with the National Electrical Code and Local Codes and Ordinances. The work should be done by a qualified electrician. **DO NOT USE A 3 WIRE TO 2 WIRE ADAPTOR**



Warning



Warning

**DO NOT REMOVE THE GROUND PIN ON THE PLUG OR IN ANY WAY BYPASS, MODIFY, DEFEAT, OR DESTROY THE GROUNDING SYSTEM OF THE VENDING MACHINE**

- **DO NOT USE WITH AN EXTENSION CORD.**
- **DO NOT REMOVE THE WARNING TAG ATTACHED TO THE POWER SUPPLY CORD.**
- The GFCI must be tested frequently and before each use in accordance with the instructions provided on the GFCI device. **IF THE GFCI DOES NOT PASS THE TEST, DO NOT USE THE MACHINE.** Unplug the supply cord from the receptacle and call the Dixie-Narco

Technical Support Group for assistance at 1-800-688-9090.

It is recommended that the machine be located so that the GFCI device will be accessible after the machine is installed. After installation, visually inspect the GFCI and power supply cord to be sure it is not crushed, pinched, or stretched.

Protect the power supply cord during transportation and use. Periodically inspect the power supply cord for damage. If the cord or plug is worn or damaged, it must be replaced with a power supply cord of the same type, size and specification as originally provided with the machine. **DO NOT USE THE VENDING MACHINE UNTIL THE WORN OR DAMAGED CORD IS REPLACED.**



**FAILURE TO COMPLY WITH THESE INSTRUCTIONS MAY SUBJECT A SERVICE PERSON OR USER TO THE RISK OF INJURY OR ELECTRICAL SHOCK WHICH CAN BE SERIOUS OR FATAL.**

**PLACING THE VENDER ON LOCATION**

**!! CAUTION !!**



**DO NOT TRANSPORT THE VENDER TO OR FROM THE LOCATION LOADED WITH PRODUCT OR DAMAGE TO THE VENDER MAY RESULT.**

The vender must be located on a solid, flat, and level surface. Ensure the flooring can bear the weight of a fully loaded vender (approx. 1134 lbs). The vender must be positioned close enough to an electrical outlet that an extension cord is not required. If the machine will be subject to user misuse or vandalism, it is recommended that the vender be secured to the floor or wall as described in Dixie-Narco Technical Bulletin 344. Call the Dixie-Narco Technical Service Department or your Dixie-Narco Representative for assistance.

**LEVEL THE VENDER**

When the vender is level, the door can be opened to any position and it will not move by itself. Open the door to several different positions before deciding the vender is level. A carpenter's level will help verify the machine is level.

Make sure that all leveling legs are in contact with the floor. If you cannot level the vender in its current location, select another location. **DO NOT** place any objects under the machine.

**DANGER**

**THE VENDER MUST BE PROPERLY LOCATED AND LEVELED. IF THE MACHINE WILL BE SUBJECT TO USER MISUSE OR VANDALISM IT IS RECOMMENDED THAT THE VENDER BE SECURED TO THE FLOOR OR WALL AS DESCRIBED IN DIXIE-NARCO TECHNICAL BULLETIN 344 TO MINIMIZE THE RISK OF INJURY OR DEATH FROM TIPPING. CALL THE DIXIE-NARCO TECHNICAL SERVICE DEPARTMENT OR YOUR DIXIE-NARCO REPRESENTATIVE FOR ASSISTANCE.**



**SPACE THE VENDER**

Do not block the rear of the vender. Keep the vender 4 inches (10 cm) from the wall to ensure adequate airflow to the condenser and compressor. At the front of the vender, make sure that nothing obstructs the air intake at the bottom of the main door. At the rear of the vender, make sure nothing obstructs the air exhaust at the bottom of the cabinet.

**WARNING**

**TO AVOID THE POSSIBILITY OF A FIRE HAZARD, DO NOT STORE ANYTHING OR ALLOW DEBRIS OF ANY KIND TO ACCUMULATE IN THE BOTTOM OF THE DOOR, IN AND AROUND THE REFRIGERATION COMPARTMENT, THE CABINET, OR IN FRONT OF THE EVAPORATOR AND CONDENSER COILS.**



**COIN CHANGERS & OTHER ACCESSORIES**

The vender must have an MDB coin changer installed and can have an MDB bill acceptor installed. If the MDB coin changer and other MDB accessories are not factory installed, refer to the instructions received from the manufacturer of the MDB coin changer and other MDB accessories for proper set-up and installation.

The vender will support the following MDB coin changers:

- Multi-Drop Coin Mech (Domestic)

Coinco 9302GX  
 Coinco USQ G700 Series  
 Conlux USLZ-101  
 Conlux CCM5G  
 Mars 4510  
 Mars 6512

The vender will support the following MDB bill validators:

Multi-Drop Bill Validators (Domestic)  
 Coinco BA30B, BA50, MAG30, MAG50  
 Mars VN2512, VN2502, VN2312  
 Conlux NBU-2111-12, NBM 3000 Series  
 Ardac 5500 Series

The vender will support the following MDB card readers:

At publication, card reader dispositions were not available. Contact card reader manufacturer for proper installation and setup.

**LOADING CHANGE TUBES**

Open the main door and enter the Service Mode. Advance to "FILL Coin Mech (CF)" mode in the "CASH SET" (CS) sub-menu in Programming. Load the coin mechanism with coins by inserting coins in the coin mech's separator. The display will show the total value of coins as they are inserted.

*Note: A low coin level in the coin tubes will interfere with operation of the bill validator.*

For additional information about coin mechanisms, refer to the specific manufacturer's instructions.

**Loading Product**

The P-Series Vender is designed to vend a wide range of packages.

All P-Series Venders are shipped ready to vend packages according to customers' orders. To vend an alternative package in the P-Series vender, contact Dixie Narco Technical Service Dept. or your Representative for assistance.

**INITIAL LOADING**

To ensure proper vending, make sure columns are set to vend the proper packages. When loading the narrow columns, lay the first row of packages on the Load Bar.

Correct loading will prevent service calls and ensure proper vending.

After loading the vender for the first time, ensure the vender is loaded and primed. Priming is done in programming. **The depth must also be programmed depending on the package to be vended. Cans may be programmed up to 4 deep.**

NOTE: To ensure proper airflow through the evaporator and the proper operation of the Vend Sensor, DO NOT place packages (or other foreign objects) in the bottom of the tank.

**SERVICE NOTE**

Battery Backup (SBC)  
 The Single Board Controller is equipped with a battery backup which is used to retain information programmed in the system (pricing, time, date, etc.) in case of power interruptions or any time the main power is off. When the vender is shipped, the battery is connected and memory is being maintained.

Disconnect the battery if the vender will be stored for a long period of time. The following steps will guide you through this procedure.

- Remove power from the vender by unplugging the main power cord from the wall receptacle.
- Locate the Control Board on the main door. Remove the battery from its holder (B1).

### Setting the Vender Type

To program with “**SCOL**” on the display press select button 1. The display will show “**6**” for six columns. Press select buttons 1 & 2 to scroll through available number of columns in the machine. When the displayed number of columns matches the number of columns in the machine, press select button 1 to set the number of columns. “**MODL**” will appear on the display, press select button 1. The display will show the first available model number for the current vender type. Press select button 1 & 2 to scroll through the available vender model numbers for this vender. When the vender type you wish to save is showing on the display, press select button 1. The display will scroll “**1 = SET PACKAGE TYPE 2 = EXIT**”. Press select button 1 and the display will show “**1**” indicating the package type. This will allow you to set the package type of the machine if it is different that the default of package type 2. Press select button 1 & 2 to scroll through the available package types. Press select button 1 to set the displayed package type. “**2=Exit 1=Prime COL1**” will appear on the display. Press button 1 to prime column 1 or select button 2 to skip priming column 1. The display will then display “**2=Exit 1=Prime COL2**”. Repeat the priming process until all columns have been primed or skipped.

#### 6 column machines

DN552-5,  
DN552-6,  
DN552-7,  
DN756-10DP,

#### 7 column machines

DN504-6,  
DN504-7,  
DN504-8,  
DN532-5,  
DN532-6,  
DN532-7,

#### 8 column machines

DN756-7,  
DN756-8,

DN756-9,  
DN756-10,  
DN756-11,  
DN756-12,  
DN756-13,  
DN756HV-12,

#### 10 column machines

DN720-9, DN760HV-12  
DN720-10, DN770HV-11  
DN760-9, DN770HV-12  
DN760-10, DN770-12  
DN760-11,  
DN760-12,  
DN760-13,  
DN760HV-11,

The following are other model numbers that may appear:

#### 6 column machines

DN552-5,  
DN552-6,  
DN552-7,  
DN552-8,

#### 7 column machines

DN532-5,  
DN532-6,  
DN532-7,  
DN532-8,

#### 8 column machines

DN756-7,  
DN756-8,

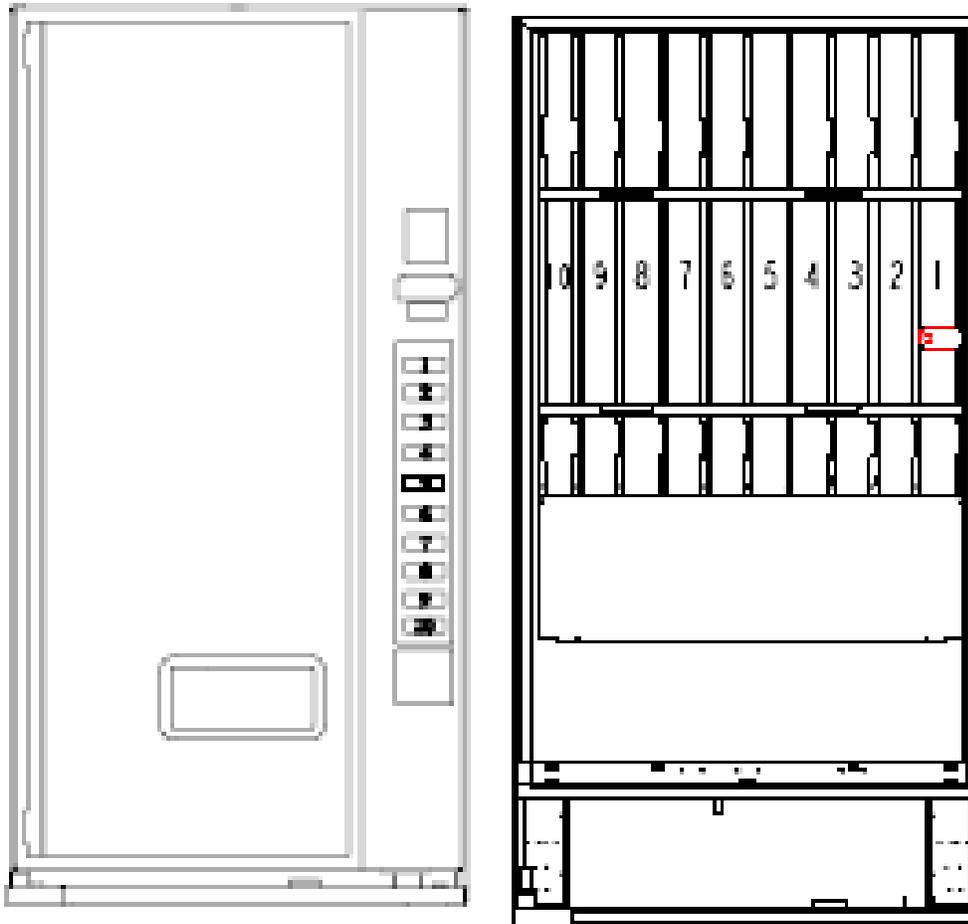
#### 8 column machines (continued)

DN756-9  
DN756-10  
DN756-11, DN756HV-11  
DN756-12, DN756HV-12  
DN756-13

#### 10 column machines

DN760-9  
DN760-10  
DN760-11  
DN760-12  
DN760-13

### Factory Default Settings (10 Select / 10 Column shown)

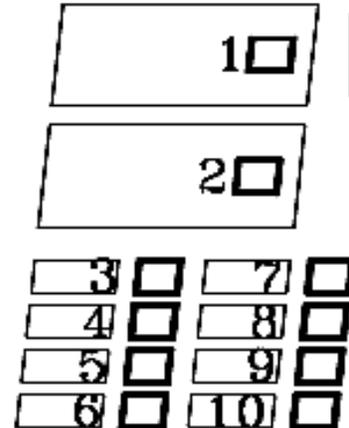
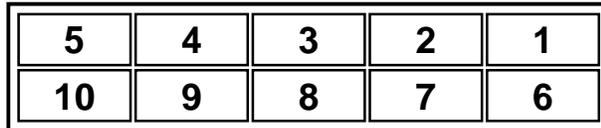
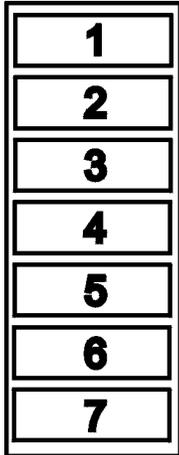


Select Button #	For reference list shows # of select buttons / # of columns.									
	Column assignment to select button.									
	10/10	7/7	8/8	6/6/	10/8	8/10	6/7	9/10	8/7	12/10
1	1	1	1	1	1	1&2	1&2	1&2	1	1
2	2	2	2	2	2	3&4	3	3	1	1
3	3	3	3	3	3	5	4	4	2	2
4	4	4	4	4	3	6	5	5	3	2
5	5	5	5	5	4	7	6	6	4	3
6	6	6	6	6	4	8	7	7	5	4
7	7	7	7		5	9		8	6	5
8	8		8		6	10		9	7	6
9	9				7			10		7
10	10				8					8
11										9
12										10

# SBC PROGRAMMING METHOD

JANUARY 2008

## P-SERIES



**Generic Round, DP V4**

**Display**

**DP SL5**

The controller has two modes of operation:  
NORMAL and SERVICE.

**NORMAL MODE:**

In Normal Mode, on power up display will show the software version installed in vender for 10 Seconds, then change to Ice Cold Drink message, Product Price, Sold Out, Credit Value, or decimal point. If the right most decimal is flashing, this indicates an error or problem recognized in the vender. When money is inserted, the display indicates the total amount of the deposit. The select buttons are used to select the product. In normal mode you may access an external menu for reading historical sales total, product total, product total by selection, sales by price totals, and machine temperature.

**Note:** If " SCOL" appears on the display on power up with the door open, you will need to program the vender model number in the controller. **Refer to Setting The Vender Type** on page 8.

**SERVICE MODE:**

The Service Mode is entered when the vender door is open and the service switch is pressed. The display will show a list of error codes for errors that have occurred since the door was last opened. "VS" is a vend sensor problem, "HS #" is a vend mechanism home sensor problem, "JC #" is a vend mechanism jammed, "SS #" is a select switch problem, "RFRG" is a refrigeration or temp sensor problem, and "DRSW" is a door switch open problem. To acknowledge an error, press select button 1, at this time you will enter the service menu. The display will show "HD" at this time. Some of the menu items have sub-menus.

To move through the menus and sub-menus follow these instructions. To:

- MOVE THROUGH MENU: Press select buttons 1 & 2 simultaneously to scroll down through the menu. While scrolling down through menu, release for 2 seconds, press select buttons 1 & 2 simultaneously to scroll up through menu.
- ENTER SUB-MENU: Press and hold select button 1 to enter a sub-menu.
- EXIT SUB-MENU: With "Return" (RTN) on display, press and hold select button 1 to exit a sub-menu.

**EXIT SERVICE MODE:**

Closing the inner door, pressing select button 1 when “RTN” is displayed at the top menu level, pressing the service button a second time, or a five-minute inactivity time-out will exit the service mode.

## **FRONT PANEL PROGRAMMING SERVICE MENU**

### **HD – HISTORICAL DATA**

This function shows the user the vender accounting over the life of the vender. Use the following select buttons to view the total sales in dollars, total number of vends and the total number of vends for each selection.

Press Select Button 1: Shows the historical total cash sales for the life of the vender.

Press Select Button 2: Shows the historical total number of vends.

Press Select Button 3: Shows the historical number of vends by selection. Each selection automatically scrolls across the display.

Press & hold select buttons 1 & 2 simultaneously to move to the next item on the menu.

### **RD – RESETTABLE DATA**

This function shows the user the vender accounting data since the last counter reset. This data can be reset either from the menu or by DEX interrogation.

Press Select Button 1: Shows the total cash collected since the last counter reset

Press Select Button 2: Shows the total number of vends since the last counter reset.

Press Select Button 3: Shows the total number of vends by selection since the last counter reset Each selection automatically scrolls across the display.

Press Select Button 4: This button zeros the interval data described above. Hold select button “4” for 5 seconds, “the display will go blank” then (“**C RS**”) “Counters Reset” will be displayed. At this time, all interval data will return to “**0**”.

Press & hold select buttons 1 & 2 simultaneously to move to the next item on the menu.

### **S-P – SET PRICE**

This function is used to set the price of each selection. When a select button is pressed, the price for that selection will be displayed. If the button is held in, the price will increment or decrement. To change from increment to decrement, release the select button and press it again. To set all selections for the same price: set the desired vend price on select 1, then simultaneously press and hold buttons 3 & 4, the price set for select 1 will be displayed. After 5 seconds the display will show (**SPS**) “Single Price Set”, this will change the vend price of all selections, both primary and secondary, to the price programmed for selection 1.

Note: The SBC multi-pricing capability allows you to set all the selections to any price in the range of \$0.00 to \$99.95.

Press & hold select buttons 1 & 2 simultaneously to move to the next item on the menu.

### **C-S – CASH SETTINGS**

This function is used to configure credit handling rules for the vender. To move to “User Menu” (**USER**), press & hold select buttons 1 & 2 simultaneously. Press button 1 to enter Cash Settings Menu. The following are sub-menus of the Cash Settings: (**CF**) Fill Coin Mech, (**CD**) Dump Coin Mech, (**CR**) Coin Rules, (**ESC**) Escrow, (**MV**) Multi Vend, and (**RTN**) Return.

**C-F – COIN FILL MECH**

This function is used to count coins loaded in the top (separator) of the coin mech. When **C-F** “Fill Coin Mech” is displayed the coin mech will accept tubed coins. When the first coin is inserted, **C-F** “Fill Coin Mech” will be replaced with the cash value of coins in the coin tubes. The total value of the coins inserted will be displayed and will be counted in the DEX audit data, so the controller knows exactly how much change is in the coin mech.

Press & hold select buttons 1 & 2 simultaneously to move to the next item on the menu.

**C-D - COIN DUMP**

This function is used to dump coins from the coin mechanism. Press select button 1 to enter mode and the lowest coin value dispensable will show on the display. Press and hold select buttons 1 & 2 simultaneously to scroll through the different coin values available to dump coins. Press and hold select button 1 to dispense the coins whose value is shown on the display. Press and hold select buttons 1 & 2 simultaneously until **RTN** “Return” shows on the display. Press select button 1 will return to **C-D** “Coin Dump”.

**Note: If a level 3 coin mech with Alternate Payout mode is installed, the coin mech will stop dispensing coins when the coin mech’s coin count reaches 0.**

**CR – COIN RULES**

This condition is used to allow the exact change condition to be turned on or off. When off, the controller will not go in the exact change condition. This will allow bills or coins to be accepted regardless of the ability to pay back non-refundable currency. When turned on, the controller will set the exact change condition based on the ability to pay back non-refundable currency (i.e. Coins, paper). To show current condition press select button 1. Press and hold select button 1 to toggle **C-R** “Coin Rules” between “**ON**” and “**OFF**”.

**ESC - ESCROW**

This function supports 4 (four) escrow options. Pressing select button 1 will show the current escrow setting. Press and hold select button 1 to scroll through the available escrow options. To set the escrow mode, release select button 1 when the desired setting is displayed.

**PR – ESCROW TO PRICE**

This escrow condition is forced vend option 1 (“escrow to price”). All dollar bills will be stacked. No cancel sale is allowed once minimum vend price is met or exceeded.

**EP 2 – ESCROW NO CANCEL**

This escrow condition is forced vend option 2 (“escrow no cancel”) with all bills stacked, and no cancel sale allowed unless the vender is in exact change and the maximum vend price is exceeded. Note: Any money entered below the vend price cannot be returned.

**ES 4 – Escrow to Select 4**

This escrow condition is “escrow to select” with all the dollar bills being stacked. Cancel sale will return the deposit from the coin changer (i.e.4 quarters).

**ES 1 – Escrow to Select 1**

This escrow condition is “escrow to select dollar bills” with the last dollar bill that meets or exceeds maximum vend price being escrowed in the note acceptor. Cancel sale will return the held dollar bill and any amount over \$1 will be returned from the coin changer.

Press & hold select buttons 1 & 2 simultaneously to move to the next item on the menu.

**MV – MULTI VEND**

This function, when turned on, allows credit to be retained after a vend so the customer can vend from another selection. (i.e..50 vend price, put in \$1.00, push a select button and vends, .50 still shows on the display, push a second select button and vends). Credit is cancelled after 5 minutes of inactivity. There is unlimited acceptance. If a customer wants their credit (money) back, the coin return lever must be pressed. To show the current **MV** "Multi Vend" condition, press select button 1 and the display will show the current setting. Press and hold button 1 to toggle **MV** "Multi Vend" between "On" and "Off".

Press and hold select buttons 1 & 2 simultaneously to move to "Return".

**RTN - RETURN**

Press and hold button 1 to return to "**C-S**".

**USER**

This function is used to configure the vender to operate in a fashion best suited for the vender location. To move to "Diagnostics" (**DIAG**), press & hold select buttons 1 & 2 simultaneously, to enter the User Menu sub-menus press select button 1. The following are sub-menus of the User Menu: Space To Sales (**STS**), Column (**CL**), Time, Language (**LANG**), Electronic Counter (**ECNT**), Limited Access (**LIM**), Secondary Price (**SEC**), Environmental Controls (**ECTL**), Light (**LT**), Refrigeration (**RFRG**), Free Vend (**FREE**), Override (**OVER**), Sales Message (**SSM**), Recharge (**R-CH**), and Return (**RTN**). The (**CL**) Column sub-menu prompt will only be available in machines with DC motors.

**STS – SPACE TO SALES**

To view the space to sales condition, press select button 1 and display will show (SEL 1) "Selection 1". Alternating with columns assigned to that select button. Press select buttons 1 & 2 simultaneously to scroll through the available select buttons to view columns assigned and "Return".

**To change space to sales**

Press select button 1 at the "**SEL #**" prompt (**CL## #**)(column edit routine) will be displayed, where the **##** is the column to be added or deleted to the select button and the third **#** is "**0**" for not assigned or "**1**" for assigned to that selection. Press select button 1 with "**CL ## #**" on the display to toggle between "**CL ## 0**" and "**CL ## 1**". With the setting you wish to use showing on the display, press select buttons 1 & 2 to scroll to next columns to add/delete columns. Press select button 1 at the "**RTN**" prompt when selecting columns to enable, will return to "**SEL #**". Press select button 1 at the "**RTN**" prompt when choosing what selection to set for Space to Sales, will return to "**STS**".

Note: You must be in the **SEL #** "Selection" prompt to get to the **RTN** "Return" mode that goes back to **STS** "Space To Sales".

Press & hold select buttons 1 & 2 simultaneously to move to the next item on the menu.

**CL- Column This prompt only appears on machines with DC motors.**

Select this prompt to set column depth, package type and vend angles if the package type is custom. This will scroll through the list of columns "**1-- 9**", "**ALL**" or "Return"(**RTN**) to select what column(s) will have its settings changed. Pressing button 1 will display "Column # "(**CL #**) where **#** represents the column number.

Pressing select buttons 1 & 2 simultaneously will scroll through the columns.

Press select button 1 to scroll to "**PACK**"

"**PACK**" **Package** - is the next prompt. Press select buttons 1 & 2 simultaneously after entry into this sub-menu will toggle between "**PACK**" and "**RTN**". Pressing select button 1 when "**PACK**" is displayed allows setting the package type for the column selected in the column prompt. Pressing select button 1 will show current package setting. (i.e.1, 2, 3..., "**CUST**" (CUSTOM), and "**RTN**" (RETURN). Press select buttons 1 & 2 simultaneously to scroll through the package settings.

Press select button 1 to select the package type that is displayed.

**If a predefined package type(1, 2, 3, 4, or 5) is selected**

After the package type has been selected , “Key 1 = Prime Key 2 = Exit” will be displayed. Press button 1 to prime the column with product or button 2 to exit without priming the column. If select button 2 is pressed the column will be marked as jammed and will prime when the door is closed.

**“HA” - Hold Angle - Will only be displayed if the package type selected is CUST (custom).**

This allows setting the hold angle for the column selected in the column prompt. Press select button 1 to display the current hold angle, “HA ###”. Press select buttons 1 & 2 simultaneously to scroll through hold angles. Press select button 1 to select the displayed hold angle. “Depth”(DEEP) will be displayed after the hold angle is set.

**“DEEP” – Depth - Will only be displayed if the package type selected is CUST (custom).**

This allows setting the product depth for the column selected in the column prompt. The current product depth, “DP #” is displayed when select button 1 is pressed. Press select buttons 1 & 2 simultaneously to scroll through available product depths. Press select button 1 to select the displayed depth.

**“VA”- Vend Angle - Will only be displayed if the package type selected is CUST (custom).**

This allows setting the vend angles for the column selected in the column prompt. “VA# ###” will be displayed where the first # is the product number in the column and the ### is the vend angle for that product. The user will be prompted to enter the same number of vend angles as was entered at the “DEEP” prompt. After the last vend angle is entered the display will show “2 = EXIT 1 = PRIME”. Press button 1 to prime the column with product or button 2 to exit without priming the column. If select button 2 is pressed the column will be marked as jammed and will prime when the door is closed.

**“RTN” - Return**

Pressing select button 1 will return to “Column” (CL)

Press and hold select buttons 1 & 2 simultaneously to move to the next item on the menu

## Time

This function is used to set the year, month, day, hour/minute (military 24 hour clock), and daylight savings time. Press select button 1 and “Year” will show on display. Press select buttons 1 and 2 simultaneously to scroll through all “Time” sub-menus.

**“YEAR”- Year Setting (2000 to 2099)**

Press select button 1 the current year setting will show on display.

Press and hold select button 1 to increment the year setting (2000 to 2099).

Release select button 1 and press and hold again will decrement the year setting.

Release the select button with the display showing the year you wish to use and display will return to “YEAR”.

Press select buttons 1 & 2 simultaneously to scroll to “MNTH”.

**”MNTH” - Month Setting (01 to 12)**

Press select button 1 and the current 2-digit month setting will show on display.

Press and hold select button 1 to scroll through the month settings. (01-Jan. to 12-Dec).

Release the select button with the display showing the month you wish to use and display will return to “MNTH”.

Press select buttons 1 & 2 simultaneously to scroll to “DAY”.

**“DAY” - Day of Month Setting (1 to 31)**

Press select button 1 and the current 2-digit day of month setting will show on display.

Press and hold select button 1 to scroll through the day of month settings (1 to 31).

Release select button 1 and press and hold again will decrement the day of month setting.

Release the select button with the display showing the day of month setting you wish to use and display will return to **“DAY”**.

Press select buttons 1 & 2 simultaneously to scroll to **“HR/M”**.

**“Hour/Minute”(HR/M) - Hour and Minute Setting (0000 to 2359)**

Press select button 1 and the current 4-digit hour and minute setting will be displayed (24 hour).

Press and hold select button 1: Set Hours

Press and hold select button 2: Set Minutes

Press select buttons 1 & 2 simultaneously to move to the next item in the menu.

**“DST” - Daylight Savings Time**

Press select button 1 and the current setting will show on the display.

Press and hold select button 1 to scroll through the **DST** “Daylight Savings Time” options listed:

**“AMER” -American** – North American rules – Set forward 1 hour at 2:00 am on the first Sunday in April; Set backward 1 hour at 2:00 am on the last Sunday in October.

**“EURO” - European** – European rules – Set forward 1 hour at 1:00 am on the last Sunday in March; Set backward 1 hour at 1:00 am on the last Sunday in October.

**“AUST” - Australian** – Australian rules – Set forward 1 hour at 1:00 am on the first Sunday in October; Set backward 1 hour at 1:00 am on the last Sunday in March.

**“OFF”** – Daylight savings time change will not be made.

Release the select button with the display showing the **DST** “Daylight Savings Time” setting you wish to use and display will return to **DST** “Daylight Savings Time”.

Press and hold select buttons 1 & 2 simultaneously to move to **“RTN”**.

**Return (RTN)**

Press select button 1 to return to **“TIME”**.

**LANG - LANGUAGE**

This function is used to set the language that will be used for sales mode messages. To display the current language selected, press select button 1. To change the language selected, press & hold select button 1 to scroll through the language menu. Once the desired language is shown on the display, release the button. The display will then return to "LANG".

**“ENGL”** English

**“SPN”** Spanish

**“FRN”** French

**“SLOV”** Slovene

**“GERM”** German

**“FINN”** Finnish

**“ITA”** Italian

**“NOR”** Norwegian

**“PORT”** Portuguese

Press and hold select buttons 1 & 2 simultaneously to move to the next item on the menu.

**ECNT – “ELECTRONIC COUNTER”**

This function is used to set the four (4) button code that will show historical cash sales, historical total vends, historical product counts by selection, historical product counts that have occurred for prices, and cabinet temperature when the vender is in sales mode. Press select button 1 to view the current four (4) button code.

To change "ECNT" four button code:

At "ECNT" press select button 1, "####" (representing current four button code) will show on display ("4231" is the factory default code). Press and hold select button 1 until the far left digit is replaced by an "\*" indicating it can be changed. Press the select button desired for the first digit of the code. The next digit will be replaced by an "\*" press the select button desired for that digit of the code. Continue this process until all 4 digits are set. After the last digit is entered the display will return to "ECNT".

**Note: The four-button code must use select buttons 1 through 9 only.**

Enter the four button code while in sales mode to view the data. The Display will show "ECNT". Once entered the listed data is available from the front of the vender:

- Press select button 1: Show historical cash sales.
- Press select button 2: Show historical total vends.
- Press select button 3: Show historical product counts by selection.
- Press select button 4: Show historical cash sales by selection
- Press select button 5: Show temperature inside the cabinet.
- Press select button 6: Returns to sales idle mode (sales vender operation).

*Note: There is a thirty (30) second time-out that will return the vender to sales mode if no select buttons are pressed.*

Press & hold select buttons 1 & 2 simultaneously to move to the next item on the menu.

**LIM – LIMITED ACCESS**

This function is used to program the vender to use the Limited Access Features. To move to "SEC" Secondary Price Menu, press & hold select buttons 1 & 2 simultaneously, to enter the sub-menu press select button 1. The following are sub-menus of the Limited Access Menu: (LAOS) "Selects", "Days", (STR1) "Start 1", (STP1) "Stop 1", (STR2) "Start 2", (STP2) "Stop 2", and (RTN) "Return".

**(LAOS) – LIMITED ACCESS ON SELECTION**

This function is used to set selection(s), which, will be limited during certain periods of the day. To view the selection setting condition, press select button 1. The display will show "Selects## #"(## #) where ## is the selection number and # is a "0" or "1" depending on whether the selection is enabled (1) or disabled (0). Press and hold select button 1 to toggle between "0" & "1". Press select buttons 1 & 2 simultaneously to scroll through all available select buttons, "NONE", "ALL", and "RTN". Pressing select button 1 when "ALL" is displayed will cause the display to change to "ON" when all selections have been enabled. Pressing select button 1 when "NONE" is displayed will cause the display to change to "OFF" when all selections have been disabled. Press select button 1 at the "RTN" prompt returns to "Selects".

Press & hold select buttons 1 & 2 simultaneously to move to the next item on the menu.

**DAYS**

This function is used to set the days of the week to be affected by limited access.

Day of Week:

<b>(SUN)</b> Sunday	<b>(WED)</b> Wednesday	<b>(SAT)</b> Saturday	<b>(RTN)</b> Return
<b>(MON)</b> Monday	<b>(THUR)</b> Thursday	<b>(ALL)</b> All Days	
<b>(TUE)</b> Tuesday	<b>(FRI)</b> Friday	<b>(NONE)</b> No Days	

Press select button 1 and "Monday #" will show on the display, where # is "0" (disable) or "1" (enable). Press and hold select button 1 to toggle between "0" and "1". Release the select button with the display showing the setting you wish to use. Press select buttons 1 & 2 simultaneously to scroll through all available days, "ALL", "NONE", and "RTN". Pressing select button 1 when "ALL" is displayed will cause the display to change to "ON" when all days have been enabled. Pressing select button 1 when "NONE" is displayed will cause the display to change to "OFF" when all days have been disabled. Press select button 1 at the "RTN" prompt returns to "DAYS".

Press & hold select buttons 1 & 2 simultaneously to move to the next item on the menu.

**STR1 - Start 1**

This function is used to set the hours and minutes to start period 1 limited access. Press select button 1 and the current four-digit hour and minute setting will be displayed (24 hour).

Press & hold select button 1: Set Hours

Press & hold select button 2: Set Minutes

Press select buttons 1 & 2 simultaneously to move to the next item in the menu.

**STP1 - Stop 1**

This function is used to set the hours and minutes to stop period 1 limited access. Press select button 1 and current four-digit hour and minute will be displayed. (24 hour).

Press & hold select button 1: Set Hours

Press & hold select button 2: Set Minutes

Press select buttons 1 & 2 simultaneously to move to the next item in the menu.

**STR2 - Start 2**

This function is used to set the hours and minutes to start period 2 limited access. Press select button 1 and the current four-digit hour and minute setting will be displayed (24 hour).

Press & hold select button 1: Set Hours

Press & hold select button 2: Set Minutes

Press select buttons 1 & 2 simultaneously to move to the next item in the menu.

**STP2 - Stop 2**

This function is used to set the hours and minutes to stop period 2 limited access. Press select button 1 and the current four-digit hour and minute setting will be displayed (24 hour).

Press & hold select button 1: Set Hours

Press & hold select button 2: Set Minutes

Press select buttons 1 & 2 simultaneously to move to the next item in the menu.

**RTN - Return**

Press select button 1 to return to "LIM".

Press & hold select buttons 1 & 2 simultaneously to move to the next item on the menu.

**SEC – SECONDARY PRICING**

This function is used to program a second price for each selection. To move to Environmental Controls (“**ECTL**”), press & hold select buttons 1 & 2 simultaneously. To enter the sub-menu press select button 1. The following are sub-menus of the Secondary Price Menu: (**S-P2**) “Price”, “Days”, (**STRT**) “Start”, “**STOP**”, and (**RTN**) “Return”.

**S-P2 - Price**

This function is used to set the price of each selection. When a select button is pressed, the price for that selection will be displayed. If the button is held in, the price will increment or decrement. To change from increment to decrement, release the select button and press it again.

**Note:** The SBC multi-pricing capability allows you to set all selections to any price in the range of \$0.00 to 99.95.

Press & hold select buttons 1 & 2 simultaneously to move to the next item on the menu.

**DAYS**

This function is used to set the days of the week to be affected by secondary pricing.

Day of Week:

( <b>SUN</b> ) Sunday	( <b>WED</b> ) Wednesday	( <b>SAT</b> ) Saturday	( <b>RTN</b> ) Return
( <b>MON</b> ) Monday	( <b>THUR</b> ) Thursday	( <b>ALL</b> ) All Days	
( <b>TUE</b> ) Tuesday	( <b>FRI</b> ) Friday	( <b>NONE</b> ) No Days	

Press select button 1 and “**MON**” will show on the display, where # is “**0**” (disable) or “**1**” (enable). Press and hold select button 1 to toggle between “**0**” and “**1**”. Release the select button with the display showing the setting you wish to use. Press select buttons 1 & 2 simultaneously to scroll through all available days, “**ALL**”, “**NONE**”, and “**RTN**”. Pressing select button 1 when “**ALL**” is displayed will cause the display to change to “**ON**” when all days have been enabled. Pressing select button 1 when “**NONE**” is displayed will cause the display to change to “off” when all days have been disabled. Press select button 1 at the “**RTN**” prompt returns to “Days”.

Press & hold select buttons 1 & 2 simultaneously to move to the next item on the menu.

**STRT - Start**

This function is used to set the hours and minutes to start secondary pricing. Press select button 1 and the current four-digit hour and minute setting will be displayed. Press and hold select button 1 to change the hour setting, press button 2 to change the minute setting.

Press select buttons 1 & 2 simultaneously to move to the next item in the menu.

**STOP - Stop**

This function is used to set the hours and minutes to stop secondary pricing. Press select button 1 and the current four-digit hour and minute setting will be displayed. Press and hold select button 1 to change the hour setting, press button 2 to change the minute setting.

Press select buttons 1 & 2 simultaneously to move to the next item in the menu.

**RTN - Return**

Press button 1 to return to Secondary Pricing (“**SEC**”)

Press buttons 1 & 2 to scroll to the next item in the menu

**ECTL – ENVIRONMENTAL CONTROLS**

This allows the user to view the energy conservation menu “**LT**” - “Lighting”, “**RFRG**” – “Refrigeration”, and also the “**RLY**” - “Relay” test menu. **When this is programmed to “Off” you will not see (LT), (RFRG) or (RLY).** Press select button 1 and the current setting will be displayed (**ON** or **OFF**). Press and hold select button 1 to toggle between “**ON**” and “**OFF**” (**This feature is “On” from the factory on P-Series machines**). To move to “**LT**” Light, press & hold select buttons 1 & 2 simultaneously with this

feature on. To move to “FREE” - Free Vend, press & hold select buttons 1 & 2 simultaneously with this feature off.

### **LT – Lighting available only when Environmental Controls are set to on.**

This function is used to turn the lights off during certain periods of the day. To enter the sub-menu press select button 1. The following are sub-menus of the Light Menu: “**DAYS**”, (**STRT**) “Start”, “**STOP**”, (**ENAB**) “Enable”, and (**RTN**) “Return”. To move to Refrigeration (“**RFRG**”), press & hold select buttons 1 & 2 simultaneously.

Pressing select button 1 will enter “**DAYS**”.

#### **DAYS**

This function is used to set the days of the week to turn lights off.

Day of the week:

( <b>SUN</b> ) Sunday	( <b>WED</b> ) Wednesday	( <b>SAT</b> ) Saturday	( <b>RTN</b> ) Return
( <b>MON</b> ) Monday	( <b>THUR</b> ) Thursday	( <b>ALL</b> ) All Days	
( <b>TUE</b> ) Tuesday	( <b>FRI</b> ) Friday	( <b>NONE</b> ) No Days	

Press select button 1 and “**MON#**” will show on the display, where # is “**0**” (disable) or “**1**” (enable). Press and hold select button 1 to toggle between “**0**” and “**1**”. Release the select button with the display showing the setting you wish to use. Press select buttons 1 & 2 simultaneously to scroll through all available days, “**ALL**”, “**NONE**”, and “**RTN**”. Press select button 1 at the “**RTN**” prompt returns to “**DAYS**”.

Press & hold select buttons 1 & 2 simultaneously to move to the next item on the menu.

#### **STRT - Start**

This function is used to set the hours and minutes to start lighting routine.

Press select button 1 and the current four-digit hour and minute setting will be displayed. (24 hour).

Press & hold select button 1: Set Hours

Press & hold select button 2: Set Minutes

Press select buttons 1 & 2 simultaneously to move to the next item on the menu.

#### **STOP**

This function is used to set the hours and minutes to stop lighting routine.

Press select button 1 and the current four-digit hour and minute setting will be displayed. (24 hour)

Press & hold select button 1: Set Hours

Press & hold select button 2: Set Minutes

Press select buttons 1 & 2 simultaneously to move to the next item on the menu.

#### **ENAB - Enable**

This function is used to allow the lighting routine to go in to affect.

Press select button 1 and the current setting will be displayed (**ON** or **OFF**).

Press and hold select button 1 to toggle between “**ON**” and “**OFF**”.

Release the select button showing the setting you wish to use and display will return to “**ENAB**”.

Press select buttons 1 & 2 to scroll to “Return”.

#### **RTN - Return**

Press select button 1 to return to “**LT**”.

Press & hold select buttons 1 & 2 simultaneously to move to the next item on the menu.

**RFRG - REFRIGERATION**

This function is used to electronically control the refrigeration operations of the vender. . To enter the sub-menu press select button 1. The following are sub-menus of the Refrigeration Menu: (**TEMP**) "Temperature", (**C-F**) "Celsius or Fahrenheit", (**DSP**) "Display", "**DAYS**", (**STRT**) "Start", "**STOP**", (**S-T**) "Storage Temperature", (**S-E**) "Storage Enabled", and (**RTN**) "Return". To move to (**FREE**) Free Vend, press & hold select buttons 1 & 2 simultaneously.

Press select button 1 will enter **TEMP** "Temperature".

**TEMP - Temperature**  
**(Default Temperature 35<sup>0</sup>F/15<sup>0</sup>C)**

This function is used to set the average product temperature for initial pull down and reload recovery, (32-41 Degrees Fahrenheit) or (0.0-5.0 Degrees Celsius).

Press select button 1 and "tt.tx" will show on the display where x is F (Fahrenheit) or C (Celsius) and tt.t is the degrees.

Press and hold select button 1 to increase or decrease the number by 1F or 0.5C. Release select button with the display showing the temperature you wish to use and display will return to "**TEMP**".

Press select buttons 1 & 2 to scroll to "**C-F**".

**(C-F) - Celsius or Fahrenheit**

This function is used to set the degree reading to (F) Fahrenheit or (C) Celsius.

Press select button 1 and the current setting will show on the display. Press and hold select button 1 to toggle between "**F**" and "**C**". Release the select button with the display showing the setting you wish to use and display will return to "**C**" or "**F**".

Press select buttons 1 & 2 to scroll to "**DSP**".

**(DSP) - Display**

This function is used to enable the Temperature to be displayed following the "Ice Cold Drink" message. "**SSM**" "**Sales Message**" must also be set to On for the temperature to be displayed.

Press select button 1 and "**DSP**" will show on the display. Press select button 1 and the current setting will be displayed (**ON** or **OFF**). Press and hold select button 1 to toggle between "**On**" and "**Off**".

Press & hold select buttons 1 & 2 simultaneously to move to the next item on the menu.

**DAYS**

This function is used to set the days of the week to use Temperature Setting Routine.

Day of Week:

( <b>SUN</b> ) Sunday	( <b>WED</b> ) Wednesday	( <b>SAT</b> ) Saturday	( <b>RTN</b> ) Return
( <b>MON</b> ) Monday	( <b>THUR</b> ) Thursday	( <b>ALL</b> ) All Days	
( <b>TUE</b> ) Tuesday	( <b>FRI</b> ) Friday	( <b>NONE</b> ) No Days	

Press select button 1 and "Monday #" will show on the display, where # is "**0**" (disable) or "**1**" (enable). Press and hold select button 1 to toggle between "**0**" and "**1**". Release the select button with the display showing the setting you wish to use. Press select buttons 1 & 2 simultaneously to scroll through all available days, "All Days"(**ALL**), "No Days"(**NONE**), and "Return"(**RTN**). Press select button 1 at the "**RTN**" prompt returns to "**DAYS**".

Press & hold select buttons 1 & 2 simultaneously to move to the next item on the menu.

**Start (STRT)**

This function is used to set the hours and minutes for storage temperature to become active. Press select button 1 and the current four-digit hour and minute setting will be displayed (24 hour)

Press & hold select button 1: Set Hours

Press & hold select button 2: Set Minutes

Press select buttons 1 & 2 simultaneously to move to the next item on the menu.

### **STOP**

This function is used to set the hours and minutes for storage temperature to become inactive. Press select button 1 and the current 4-digit hour and minute setting will be displayed (24hour).

Press & hold select button 1: Set Hours  
Press & hold select button 2: Set Minutes

Press select buttons 1 & 2 simultaneously to move to the next item on the menu.

### **(S-T) - Storage Temperature (Default Temperature 60°F/ 16°C)**

This function is used to set the temperature for product storage. Press select button 1 and "tt.tx" will show on the display where x is F (Fahrenheit) or C (Celsius) and tt.t is the degrees.

Press and hold select button 1 to increase or decrease the number by 1 F (32-75 Degrees) or 0.5 C (0.0-24.0 Degrees). Release select button with the display showing the temperature you wish to use and display will return to "S-T".

Press select buttons 1 and 2 simultaneously to scroll to "S-E"

### **S-E - Storage Enabled**

This function is used to enable the storage setting to go in affect.

Press select button 1 and the current setting will be displayed (ON or OFF).

Press and hold select button to toggle between "ON" or "OFF".

Release the select button showing the setting you wish to use and display will return to "Storage Enabled"

Press select buttons 1 & 2 to scroll to "RTN"

### **RTN - Return**

Press select button 1 at "RTN" to return to "RFRG"

Press select buttons 1 & 2 simultaneously to scroll to next item on the menu.

## **FREE – FREE VEND**

This function is used to set the Free Vend option. Press select button 1 and (ENAB) "ENABLE" will show on the display. To move to "OVER", press & hold select buttons 1 & 2 simultaneously.

Note: For free vend to become active a free vend switch must be connected to controller on free vend switch connector.

### **ENAB - Enable**

This function is used to allow the free vend to go in affect.

Press select button 1 and the current setting will be displayed (ON or OFF).

Press and hold select button 1 to toggle between "ON" or "OFF".

Release the select button showing the setting you wish to use and the display will return to "ENAB".

Press select buttons 1 & 2 to scroll to "DSP"

### **DSP - Display**

This function is used to show the current number of free vends performed by the controller.

Press select button 1 and "#" will show on the display where "#" is the number of free vends performed by the controller. Release the select button and display will return to "DSP"

Press select buttons 1 and 2 simultaneously to scroll to "RSET"

### **RSET - Reset**

This function is used to reset number of free vends to zero.

Press and hold select button 1 for 5 seconds to reset the number of free vends performed by the controller to zero.

Press select buttons 1 & 2 to scroll to “RTN”

### **RTN – Return**

Press select button 1 to return to “FREE”.

Press & hold select buttons 1 & 2 simultaneously to move to the next item on the menu.

### **OVER - OVERRIDE**

This function is used to allow a key switch to override some of the settings stored for normal operations. When enabled and the free vend switch is in the closed position, the controller will override “Free”, disable vending, disable currency acceptance, display will show “No Sales”, and lights will be off. The compressor will continue to keep product at the programmed temperature. Vender will remain in this state until the override switch is in the open position.

Press select button 1 and the display will show the current setting for 2 seconds (ON or Off).

Press and hold select button 1 to toggle between “On”-enabled and “Off”- disabled.

Release the select button showing the setting you wish to use and display will return to “OVER”.

To move to Sales Message, press & hold select buttons 1 & 2 simultaneously.

### **SSM – SALES MESSAGE**

This function is used to turn on the scrolling message “ICE COLD DRINK”.

Press select button 1 and the display will show the current setting (ON or OFF).

Press and hold select button 1 to toggle between “ON” or “OFF”.

Release the select button showing the setting you wish to use and display will return to “SSM”.

Press select buttons 1 & 2 simultaneously to scroll to “R-CH”.

### **R-CH – Recharge The installed Card Reader must support this option for this feature to work correctly.**

This function is used to enable the recharge card setting routine.

Press select button 1 and the display will show the current setting (ON- recharge card enabled or OFF- recharge card disabled). Press and hold select button 1 to toggle between “ON” and “OFF”.

Release the select button showing the setting you wish to use and display will return to “R-CH”.

Press select buttons 1 & 2 simultaneously to scroll “RTN”

### **RTN - RETURN**

**Press select button 1 to return to “USER”.**

Press & hold select buttons 1 & 2 simultaneously to move to the next item on the menu.

### **DIAG - DIAGNOSTICS**

This function allows you to systematically diagnose problems related to the vender. To move to “AUTO” press select buttons 1 & 2 simultaneously, to enter sub-menu press select button 1. The following are sub-menus of Diagnostics Menu:

Vender with DC motors (SL) “Selection”, (HS) “Home Sensor”, (VSNS) “Vend Sensors”, (MT) “Motors”, (CM) “Coin mech”, (NA) “Note Acceptor”, (DSP) “Display”, (RLY) “Relay”, “JOG”, (PRM) “Prime”, and (RTN) “Return”.

### **SL - SELECTION**

Press any select button, and the display will indicate the number of the select button pressed.

Press & hold select buttons 1 & 2 simultaneously to the next item on the menu.

**HS – HOME SENSOR This prompt only appears on P-Series machines.**

Use this to test the home sensor on the motor for any column. Press select button 1 to display “CL 1”. Press & hold select buttons 1 & 2 simultaneously to scroll through the columns and (RTN). Press button 1 when a column is displayed will cause the displayed column to test that the motor’s home sensor can be detected. The display will show the current condition for that sensor by displaying “PASS” or “FAIL”. Press select button 1 at “RTN” to return to “HS”.

Press & hold select buttons 1 & 2 simultaneously to move to the next item on the menu.

**VSNS – VEND SENSOR This prompt only appears on P-Series machines.**

Use this to test the vend sensor in the machine. Press select button 1 to begin the test and “TEST CHUTE” will be displayed. Touch or place an object on the chute. When it is detected “PASS” will be displayed. If nothing is detected on the chute, a “FAIL” message will be displayed.

Press & hold select buttons 1 & 2 simultaneously to move to the next item on the menu.

**MT- MOTOR TEST**

Use this test to run any motor in the stack. Press select button 1 and “MT 1” will show on the display. Use the following select buttons to run this test.

Press Select Buttons 1 & 2: Press until desired motor # to run or (RTN) is shown on the display.

Press Select Button 1: Press to run the selected motor. The display will show “VEND” and the selected motor will run. **Note:** When testing a P-Series machine, product **MUST** be seen by the vend sensor for the test to be successful and will stop the motor.

**CM – COIN MECH**

Use this test to check coin mech, coin chute, and the coin mech payout systems. Inserting any coins enters the coin mech diagnostic function. Only tubed coins (i.e. that can be returned) will be accepted. The value of the coins will be reflected on the display. Press select button 2 will exit the test and return any coins inserted and return to “CM”.

Press select buttons 1 & 2 simultaneously to move to the next item on the menu.

**NA – NOTE ACCEPTOR**

Use this test to check the note acceptor. Inserting a bill enters the note acceptor diagnostic function. Bill will be held in escrow. Press select button 2 to stack the bill. Press select button 3 to return the bill. After the note has been stacked or returned, the display will return to “NA”.

Press & hold select buttons 1 & 2 simultaneously to move to the next item on the menu.

**DSP - DISPLAY**

Press select button 1, the display segments will illuminate in a scrolling manner and the Correct Change Light will illuminate, or will scroll through a set of text characters, illuminating the Correct Change Light and return to “DSP”.

Press & hold select buttons 1 & 2 simultaneously to move to the next item on the menu.

**RLY – Relays can only be tested if the environmental controls package is installed in the vender.**

**CMP# - Compressor**

This function allows you to test the relay electronic control of the compressor.

**CAUTION!!:** Disconnect power to the compressor before testing the compressor relay. Failure to disconnect power to the compressor before testing the relay could result in damage to the compressor.

Press select button 1 and the display will show “**CMP #**”, where # is the state of the relay 0 = not activated or off; 1= activated or on. Press select button 1 to toggle the relay on and off. Press select buttons 1 & 2 simultaneously to move to “**FAN**”.

**FAN #**

This function allows you to test the relay electronic control of the evaporator fan.

Press select button 1 and the display will show “**FAN #**” where # is state of the relay 0 = not activated or off; 1 = activated or on. Press select button 1 to toggle the relay on and off.

Press select buttons 1 & 2 simultaneously to scroll to “**LT#**”.

**LT# - Light #**

This function allows you to test the relay electronic control of the lights.

Press select button 1 and the display will show “**LT #**”, where # is the state of the relay 0 = not activated or off; 1 = activated or on. Press select button 1 to toggle the relay on and off. Press select buttons 1 & 2 simultaneously to scroll to “**RTN**”.

**RTN - Return**

Press select button 1 to return to “**RLY**”.

**JOG- JOG MOTOR This prompt only appears on P-Series machines.**

Press select button 1 the display will show “**CL 1**”. Press select buttons 1 & 2 simultaneously until the desired column is displayed. Selecting the desired column will then prompt for a direction either **CW** “clockwise” or **CCW** “counter clockwise”. Pressing select 1 & 2 simultaneously will scroll between “**CW**”, “**CCW**” and “**RTN**”. Pressing select button 1 when “**CW**” or “**CCW**” is displayed will jog the motor in that direction. Press select buttons 1 & 2 to scroll to “**RTN**”. Press select button 1 at the “**RTN**” prompt to return to “**JOG**”.

Press select buttons 1 & 2 to scroll to the next item.

**PRM – PRIME COLUMN This prompt only appears on P-Series machines.**

Pressing select button will display “**CL 1**”. Pressing select buttons 1 & 2 simultaneously will scroll to the desired column. Pressing select button 1 when the desired column is displayed will cause that column to be primed. Press select buttons 1 & 2 simultaneously to scroll to “**RTN**”.

Press select button 1 at “**RTN**” will return to “**PRM**”

Pressing select buttons 1 & 2 simultaneously to scroll to the next item.

**RTN - RETURN**

Press select button 1 to return to “**DIAG**”.

Press and hold select buttons 1 & 2 simultaneously to scroll to the next menu item.

**AUTO – AUTO TEST**

This function is used in Dixie-Narco’s manufacturing process and is not intended for use in the field. Its purpose is a self-test routine to check the SBC components. For further details contact Dixie-Narco Factory Service.

Press and hold select buttons 1 & 2 simultaneously to scroll to “**RTN**”.

**RTN - RETURN**

Press & hold select buttons 1 & 2 simultaneously to scroll to the next menu item.

Press select button 1 to return to Sales mode.

**P-SERIES SBC QUICK REFERENCE MENU PROMPTS**

Main Menu	Sub-Menu	Sub-Sub-Menu	Main Menu	Sub-Menu	Sub-Sub-Menu
(HD) Historical Data			User con't.	(LT) Lights	DAYS
(RD) Interval Data					(STRT) Start
(S-P) Set Price					STOP
(C-S) Cash Settings	(C-F) Coin Fill				(ENAB) Enable
	(C-D) Dump Coin				(RTN) Return
	(CR) Coin Rules			(RFRG) Refrigeration	(TEMP) Temperature
	(ESC) Escrow	(PR) Escrow to Price			(C-F) Celsius or Fahrenheit
		(EP2) Escrow No Cancel			(DSP) Display
		(ES4) Escrow to Select 4			DAYS
		(ES1) Escrow to Select 1			(STRT) Start
	(MV) Multi Vend				STOP
	(RTN) Return				(S-T) Storage Temperature
(USER) User Menu	(STS) Space To Sales				(S-E) Storage Enable
	(CL) Column	(PACK) Package			(RTN) Return
		(HA) Hold Angle		(FREE) Free Vend	(ENAB) Enable
		(DEEP) Depth			(DSP) Display
		(VA) Vend Angle			(RSET) Reset
		(RTN) Return			(RTN) Return
	TIME	YEAR		(OVER) Override	
		(MNT) Month		(SSM) Sales Message	
		DAYS		(R-CH) Recharge	
		(HR/M) Hour/Minute		(RTN) Return	
		(DST) Daylight Savings Time	(DIAG) Diagnostics	(SL) Selection	
		(RTN) Return			
	(LANG) Language			(HS) Home Sensor	
	(ECNT) Electronic Counter				
	(LIM) Limited Access			(VSNS) Vend Sensor	
		(LAOS) Limited Access on Selects		(MT) Motors	
		DAYS		(CM) Coin Mech	
		(STR1) Start Period 1		(NA) Note Acceptor	
		(STP1) Stop Period 1		(DSP) Display	
		(STR2) Start Period 2		(RLY) Relay	(CMP#) Compressor
		(STP2) Stop Period 2			Fan#
		(RTN) Return			(LT #) Light#
	(SEC) Secondary Price	(S-P2) Set Price 2			(RTN) Return
		DAYS		(JOG) Jog Motor	(CL #)Column #
		(STRT) Start Secondary Pricing			(RTN) Return
		(STOP) Stop Secondary Pricing		(PRM) Prime Column	(CL #)Column #
		(RTN) Return			(RTN) Return
	(ECTL) – Environmental Controls			(RTN) Return	
			(AUTO) Auto test		
			(RTN) Return		

- A. Press and hold select buttons 1 & 2 simultaneously to move through the menu from top to bottom.
- B. Press select button 1 to move left/right or enter/exit in the menu, depending on the menu prompt on the display.

The most important facets of proper vender care and maintenance are the electrical power supplied to it, leveling, and cleanliness of the machine and its components.

**POWER**

The vender must be connected to a dedicated 120VAC, 15 Amp circuit (U.S. and Canada).

**CAUTION:**

REMOVE POWER TO THE VENDER PRIOR TO CONNECTING / DISCONNECTING ANY ELECTRICAL COMPONENTS FOR TESTING OR REPLACEMENT.

***Periodically inspect the power supply cord for damage. If the cord or plug is worn or damaged, it must be replaced with a power supply cord of the same type, size and specification as originally provided with the machine. DO NOT USE THE VENDING MACHINE UNTIL THE WORN OR DAMAGED CORD IS REPLACED.***

The Ground Fault Circuit Interrupter (GFCI) must be tested frequently and before each use in accordance with the instructions provided on the GFCI device. IF THE GFCI DOES NOT PASS THE TEST, DO NOT USE THE MACHINE. Unplug the supply cord from the receptacle and call the Dixie-Narco Technical Support Group for assistance at 1-800-688-9090.

**CLEANING**



DO NOT USE A WATER JET OR NOZZLE TO CLEAN THE VENDER

**SIGN FACE**

The polycarbonate sign face requires proper cleaning to prolong its service life. Periodically clean the sign as follows:

Rinse the sign with a soft cloth or sponge soaked in warm water. If necessary, use a mild soap to loosen any dirt or grime. DO NOT SCRUB or use a brush or squeegee. Scrubbing may cause damage to signs with a clear ultraviolet resistant coating (prevents yellowing). Repeat the above steps as necessary. To prevent spotting, dry the sign using a soft cloth.

**CABINET**

Wash the cabinet with a good detergent or soap mixed with warm water. Wax the vender often with a good grade of automobile wax. Any corrosion inside of the vender should be removed with a fine steel wool and the area should be painted with aluminum paint. Repair any scratches on painted surfaces to prevent corrosion.

**DRAIN PAN, DRAIN TUBE, AND DRAIN HOSE**

To prevent mold and mildew growth, and to avoid personal injury or property damage, the drain pan, drain tube, and drain hose must be properly aligned and routed. Ensure nothing obstructs the drain tube or drain hose and that the hose is not bent, pinched, or twisted in such a way as to prevent the flow of condensate. Periodically inspect the drain pan, drain tube, and drain hose for alignment and the presence of dirt, debris, mold, and mildew. Clean as needed.



Warning

THE COMPRESSOR ELECTRICAL CIRCUIT IS ALWAYS LIVE WHEN THE PLUG IS CONNECTED TO AN ELECTRICAL OUTLET

**REFRIGERATION CONDENSER**

Check the condenser periodically for dirt or lint build-up. Remove build-up with a brush or vacuum, or blow the dirt out of the condenser with compressed air and an approved safety nozzle. Ensure nothing obstructs the air intake at the bottom of the main door. Ensure nothing obstructs the air exhaust at the rear of the cabinet.

**COIN ACCEPTOR**

- Follow the coin acceptor manufacturer's cleaning instructions.

**LUBRICATING THE VENDER**

Time	Component	Lubricant Example
Every 6 months (or as needed)	<b>Main Door</b>	
	1. Lock Bolt & Nut Retainer	Mechanics Friend
Every Year (or as needed)	2. Hinge Pivot Points	Mechanics Friend
	<b>Inner Door</b>	
	1. Hinge Pivot Points	Mechanics Friend
	<b>Inner Door</b>	
	1. Door Gasket	Petroleum Jelly

## Memory Reset

To reset memory enter the AUTO "Auto Test" menu and scroll to the option to reset the memory. Press select button 1 to select this option and follow the displayed prompts. Once the machine has cleared its memory it will be ready to program.

## EPROM REPLACEMENT

Software changes / upgrades are accomplished by changing the EPROM on the Control Board.

# SBC (Single Board Controller) Software Update Procedure

This document describes how to update software on the Single Board Controller (SBC). **Note:** All existing software revisions, except software version 804,920,870.01, will automatically update the software revision 804, 920,870.01 or higher upon installation. For SBC boards using 804, 920,870.01 software menu programming is required to manually update the software.

**Important:** EPROM's containing software is sensitive to Electrostatic Discharge (ESD). Failure to handle the EPROM carefully could cause damage, which may result in a failed Single Board Controller (SBC).

**ALWAYS KEEP THE EPROM IN THE ESD TUBE. GROUND YOURSELF ON THE VENDER CABINET BEFORE REMOVING THE EPROM FROM THE ESD TUBE OR CONTROL BOARD. AN EPROM CAN BE USED TO PROGRAM MANY VENDERS, AS LONG AS CARE IS TAKEN NOT TO DAMMAGE THE EPROMS LEGS.**

**ALWAYS TURN POWER OFF BEFORE REMOVING OR INSTALLING EPROMS IN THE CONTROL BOARD.**

**Note:** Use the SBC programming manual to program a vender that has a Single Board Controller (SBC) installed.

I. EPROM removal

- Power down the Vender. **Ground yourself on the vender cabinet before removing the EPROM from the ESD tube or control board.**
- If the EPROM is present in the SBC, remove the existing EPROM from the SBC.
  - Note: An EPROM does not need to be in the board after the SBC has been programmed. The EPROM can be used to reprogram other boards.
- Verify the pins of the new EPROM are not bent before installing in the EPROM socket.
- Install the new EPROM in the EPROM socket. Ensure the EPROM is oriented correctly with its reference marker (locator) in the same direction as the reference marker (locator) of the EPROM socket. Do not rely on the EPROM label for orientating the EPROM. See Figure 1.

II. Automatic Reprogramming (all 804, 920,870.01 software revisions)

- Turn power on to Vender. When auto-updating, the display will remain blank while the red LED on the board blinks rapidly for 3-4 seconds. Verify the new software version is shown on the display. If the new software version (the software version of the newly installed EPROM) displays, the SBC software has been successfully updated. If not, verify the EPROM is seated properly, with the reference marker oriented correctly and follow instructions for manual update if updating from 804, 920,870.01. If problems still exist, contact the Dixie-Narco Technical Service Department.

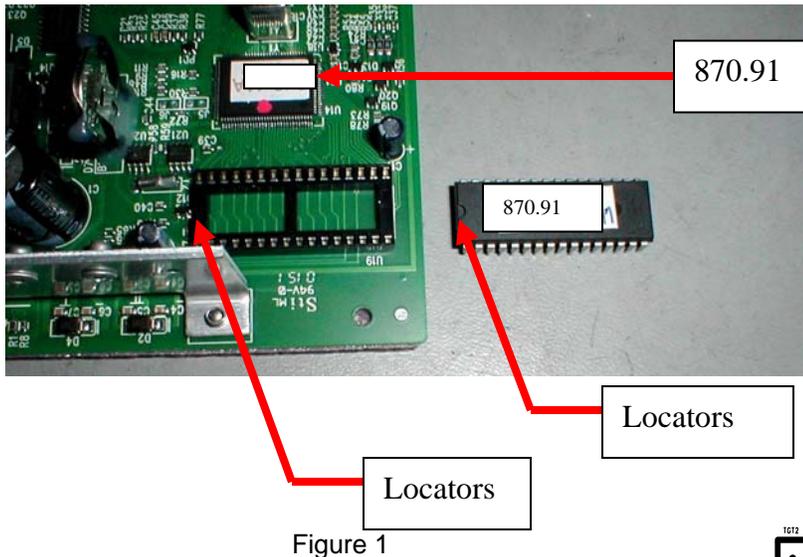
**Note:** To remove the EPROM after programming is complete turn power off, **ground yourself on the vender cabinet before removing the EPROM**, remove the EPROM, turn power on, test vender for proper operation.

III. Manual Reprogramming (all 804, 920,870.01 or if an EPROM does not automatically reprogram the SBC)

- At power up, the current software version will be displayed. To manually program the control board with the new software, press the blue service switch on the SBC to enter the service menu. Advance to the "Auto Test" menu by holding buttons 1 & 2 simultaneously. Enter Auto Test by pressing button 1, and advance to the "Reprogramming Microprocessor" submenu by holding buttons 1 & 2 simultaneously.

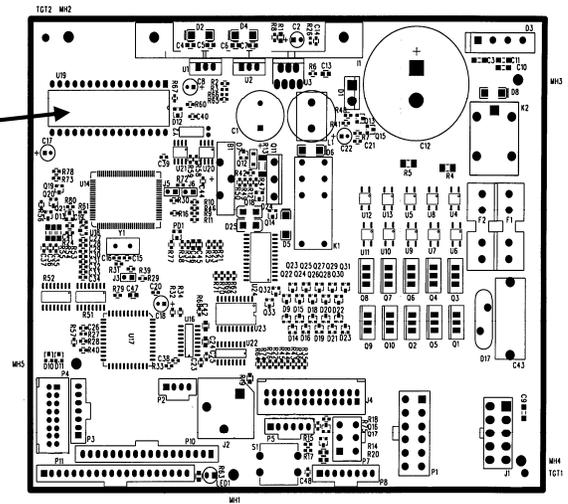
- At the “Reprogramming Microprocessor” prompt, press button 1. “THIS OPERATION REPROGRAMS VENDOR” shows on the display. Press button 1 at this prompt. Next display will show “BUTTON 2 = REPROGRAM, BUTTON 3 = EXIT”.
- Press button 2 to reprogram vender with the new software. “Reprogramming Vendor...” displays while the red LED on the board blinks rapidly for 3-4 seconds. Verify the new software version, and previous settings return to the display. If the new software version (the software version of the newly installed EPROM) shows on the display, the SBC software has been successfully updated.

**Note:** To remove the EPROM after programming is complete, remove power to the vender, **ground yourself on the vender cabinet before removing the EPROM**, remove the EPROM, while still grounded install a label on the microprocessor showing the revision of software that is installed in the SBC, power the vender back on and test for proper operation.



Label on microprocessor to show revision of software which is in the SBC once the EPROM is removed after reprogramming.

Figure 1 – EPROM REPLACEMENT (SAMPLE BOARD SHOWN)



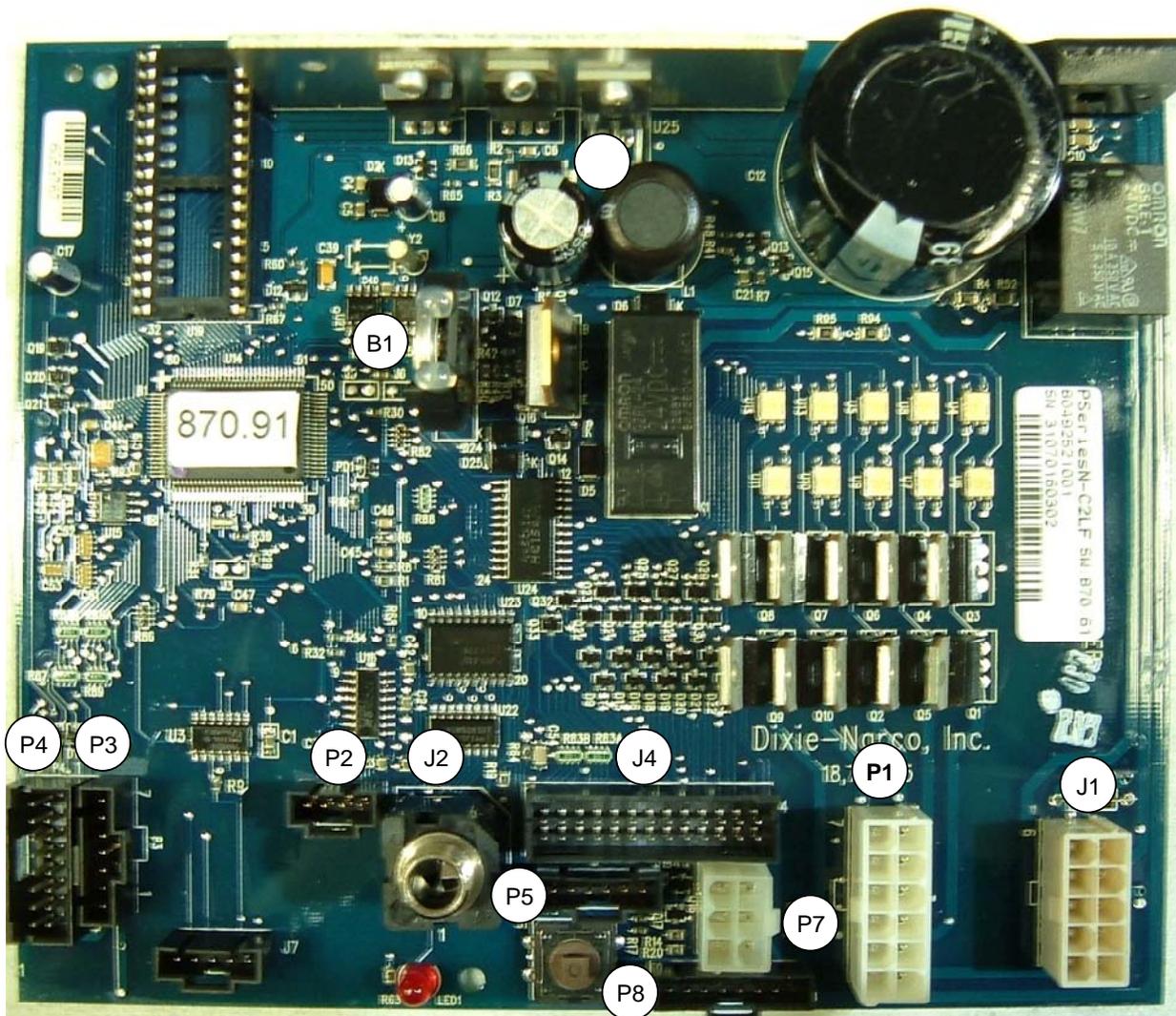
***ELECTRICAL***

Transformer	Provides 24 volt and 12 volt power to the Machine Controller
Fuse	1.6 Amp Slo Blo in the Power Distribution Box - Control Board Power, (includes display and MDB Peripherals)
Relay	Potter & Brumfield T91P5D52-24 240 VAC / 20 A-NO / 10A-NC
Choke	Foster A-16015 5MH 6A
Amber Power Switch	Interrupts hot side of incoming power.

***REFRIGERATION (Domestic)***

115 VAC	
Compressor	Embraco, 1/3 HP, 115 VAC, 60 Hz 1 Phase Unit uses 7.5 oz. of 134A Refrigerant
Start Relay	110 VAC, 1.351.605
Start Capacitor	110 VAC 378-454 mfd / 110V
Thermal Overload	110 VAC MRT 22AFZ-5590
Condenser Fan	9W Motor 115V/60HZ EmBraco PN: 13355043 Blade – 8- <sup>11</sup> / <sub>16</sub> " dia.
Evaporator Fan	19W Motor 115-127 VAC WIG200-EA97-43 and WIG200-EA97-44 Blade – 8- <sup>3</sup> / <sub>4</sub> " dia.

SBC CONTROL BOARD

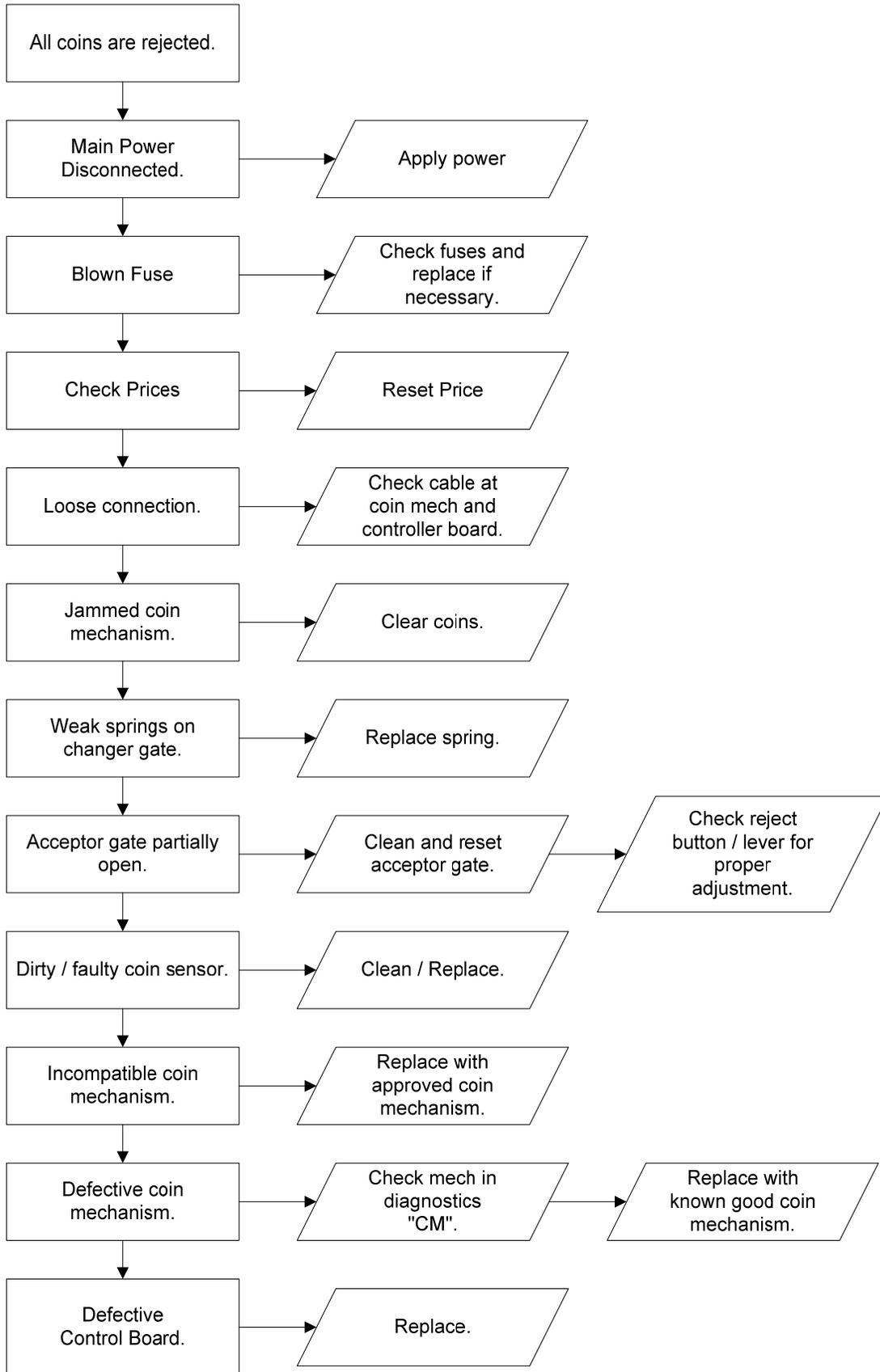


- P1 Motor
- P2 Secondary DEX
- P3 Display
- P4 Select Switches
- P5 Temp Sensor
- P7 MDB
- P8 Energy Management
- J1 AC Power
- J2 DEX
- J4 Home Switch
- J7 Optional
- B1 Battery

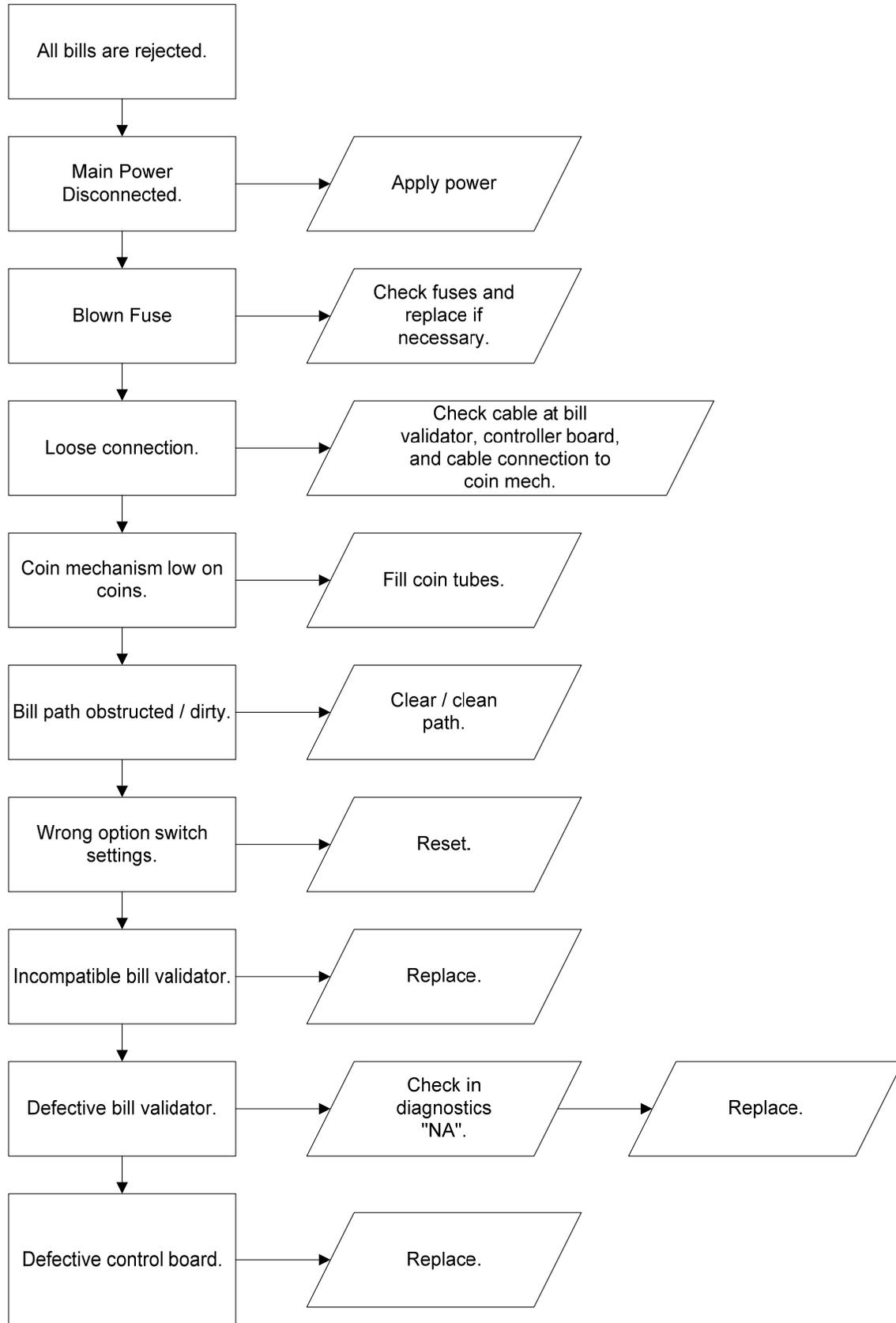
# TROUBLESHOOTING FLOWCHARTS

These charts are intended to isolate and correct most problems you might encounter.

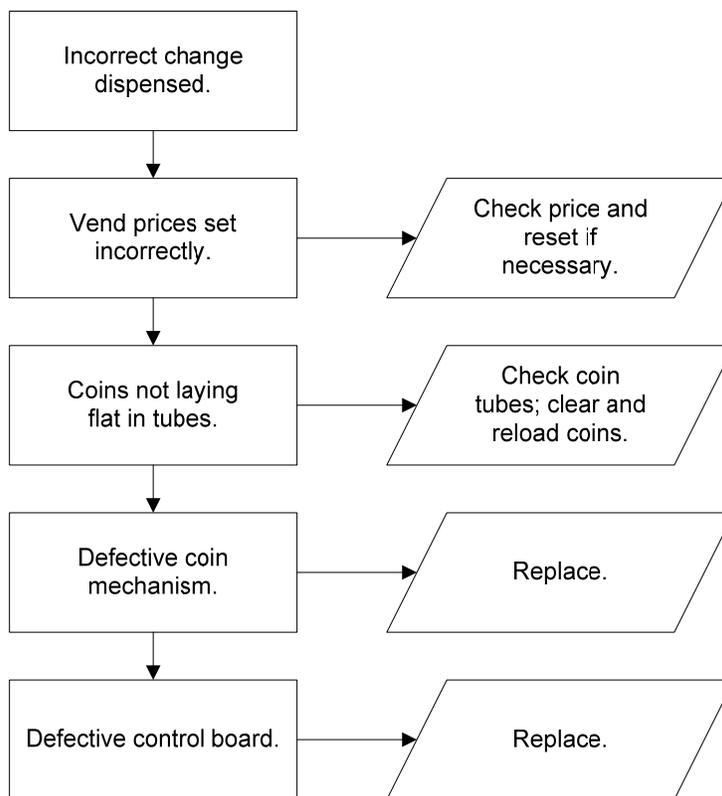
## ALL COINS ARE REJECTED



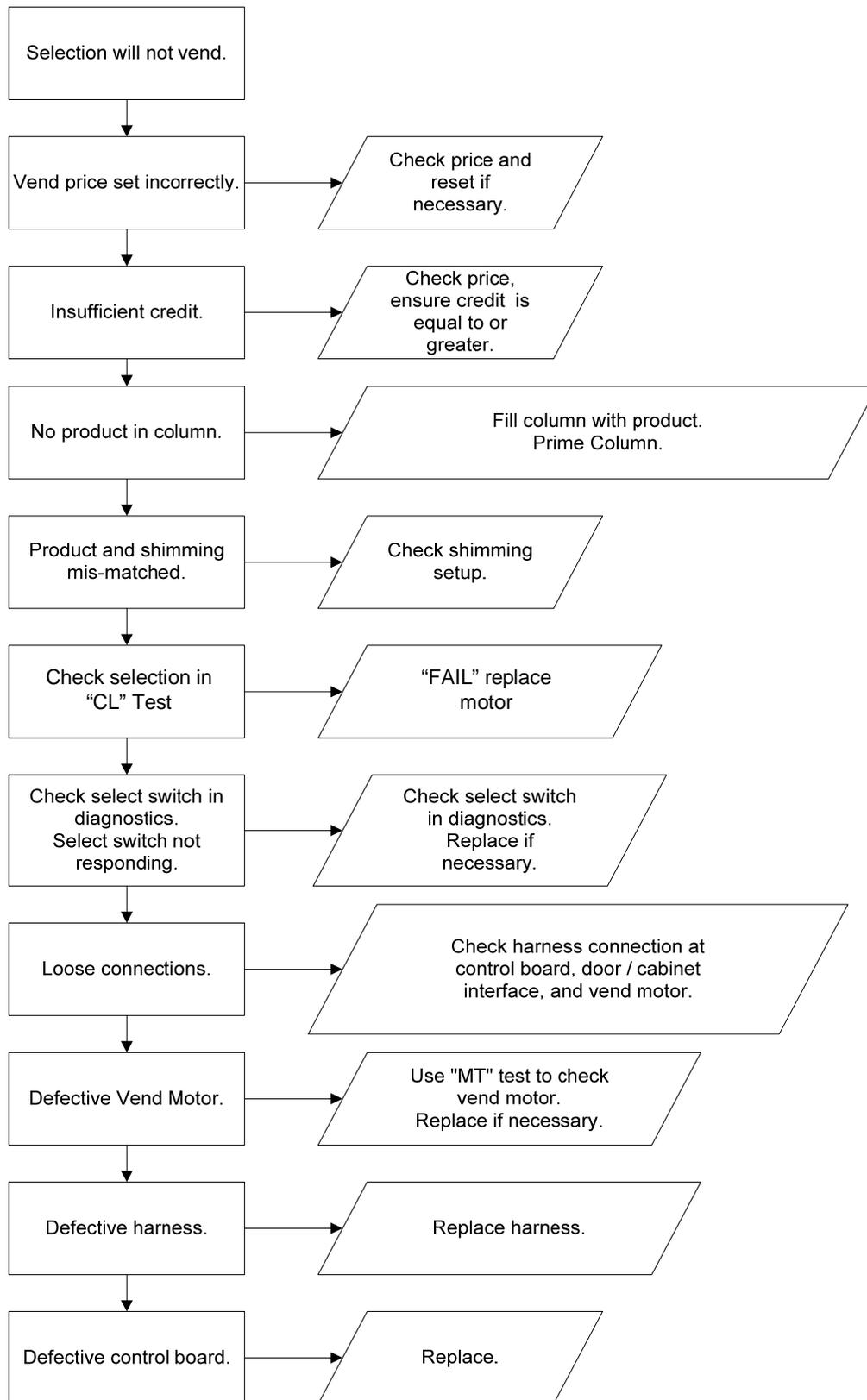
ALL BILLS ARE REJECTED



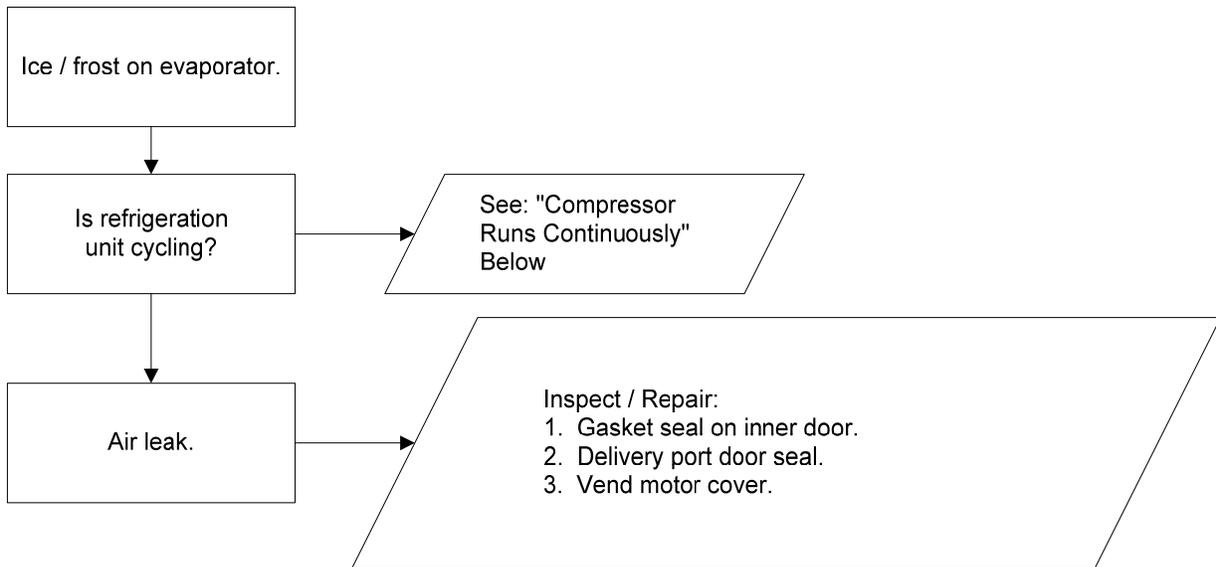
INCORRECT CHANGE DISPENSED



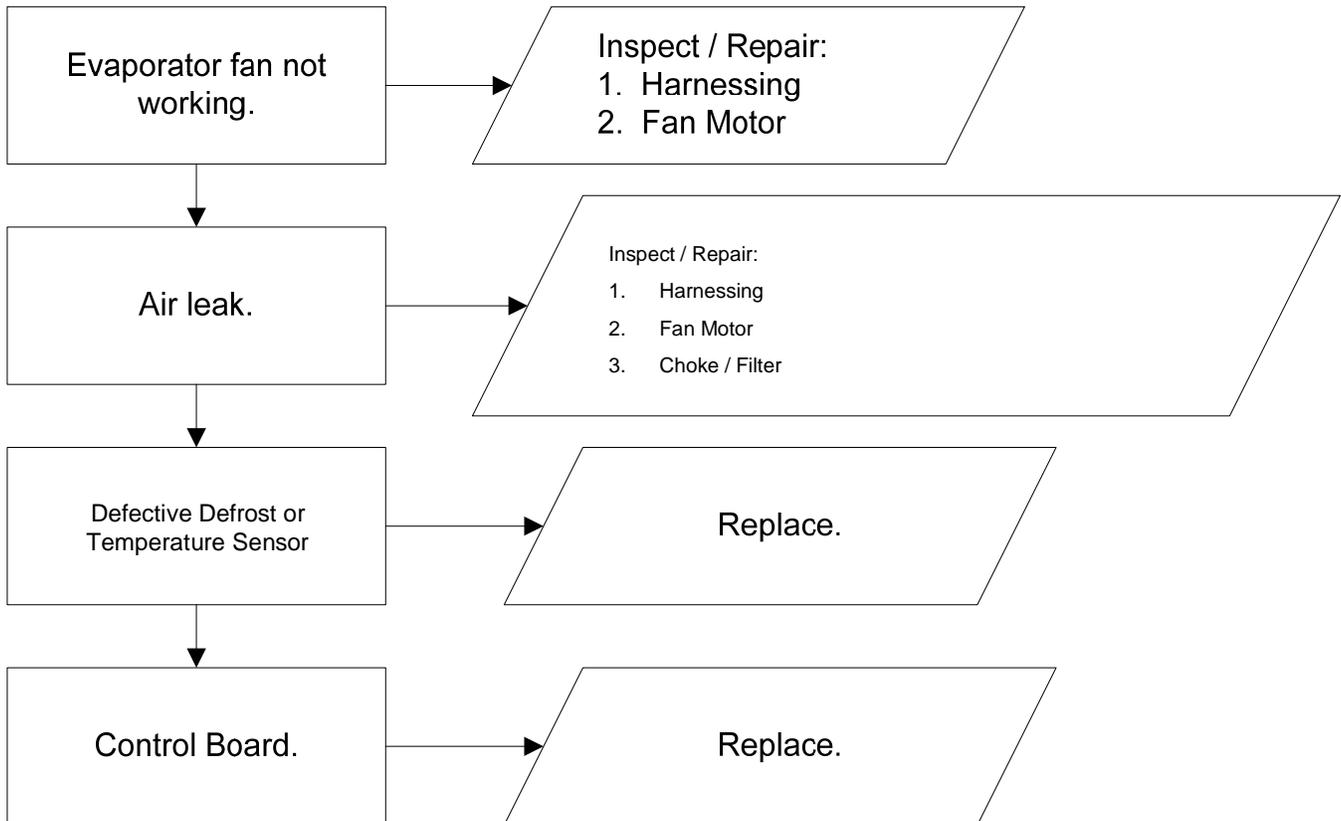
SELECTION WILL NOT VEND



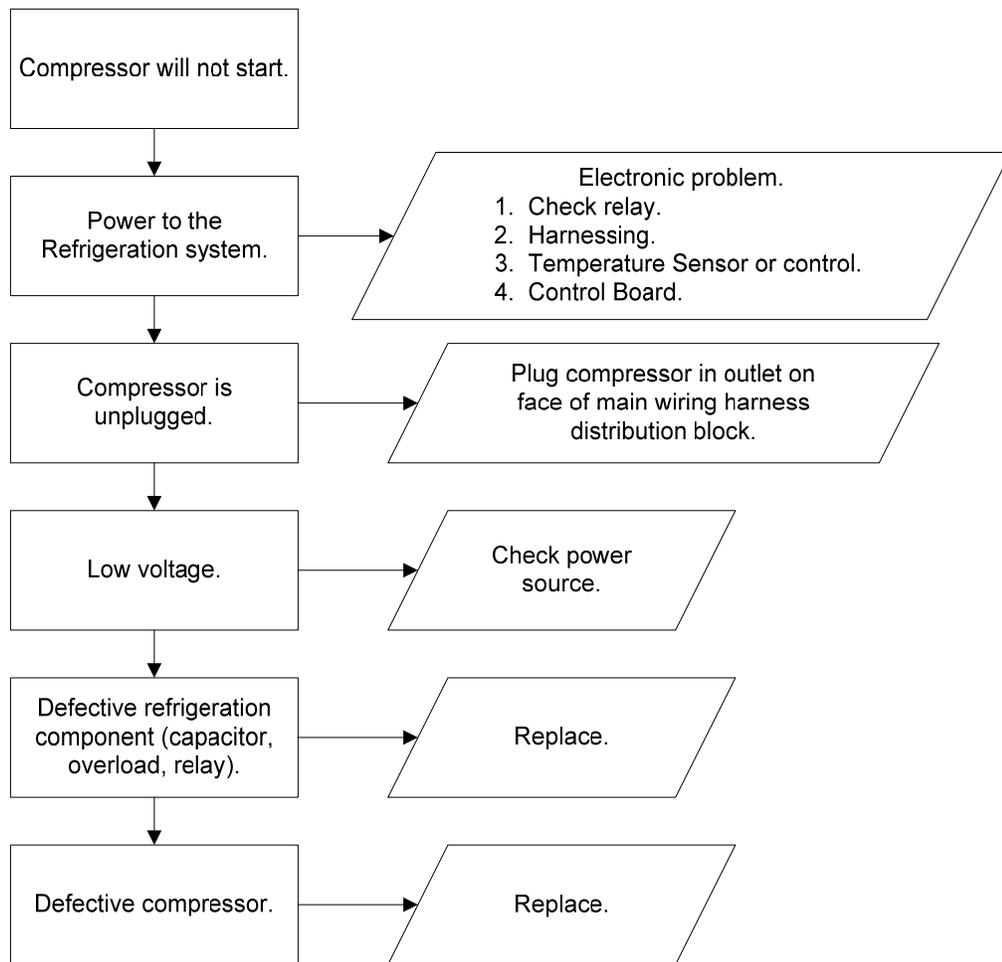
ICE / FROST ON EVAPORATOR



COMPRESSOR RUNS CONTINUOUSLY

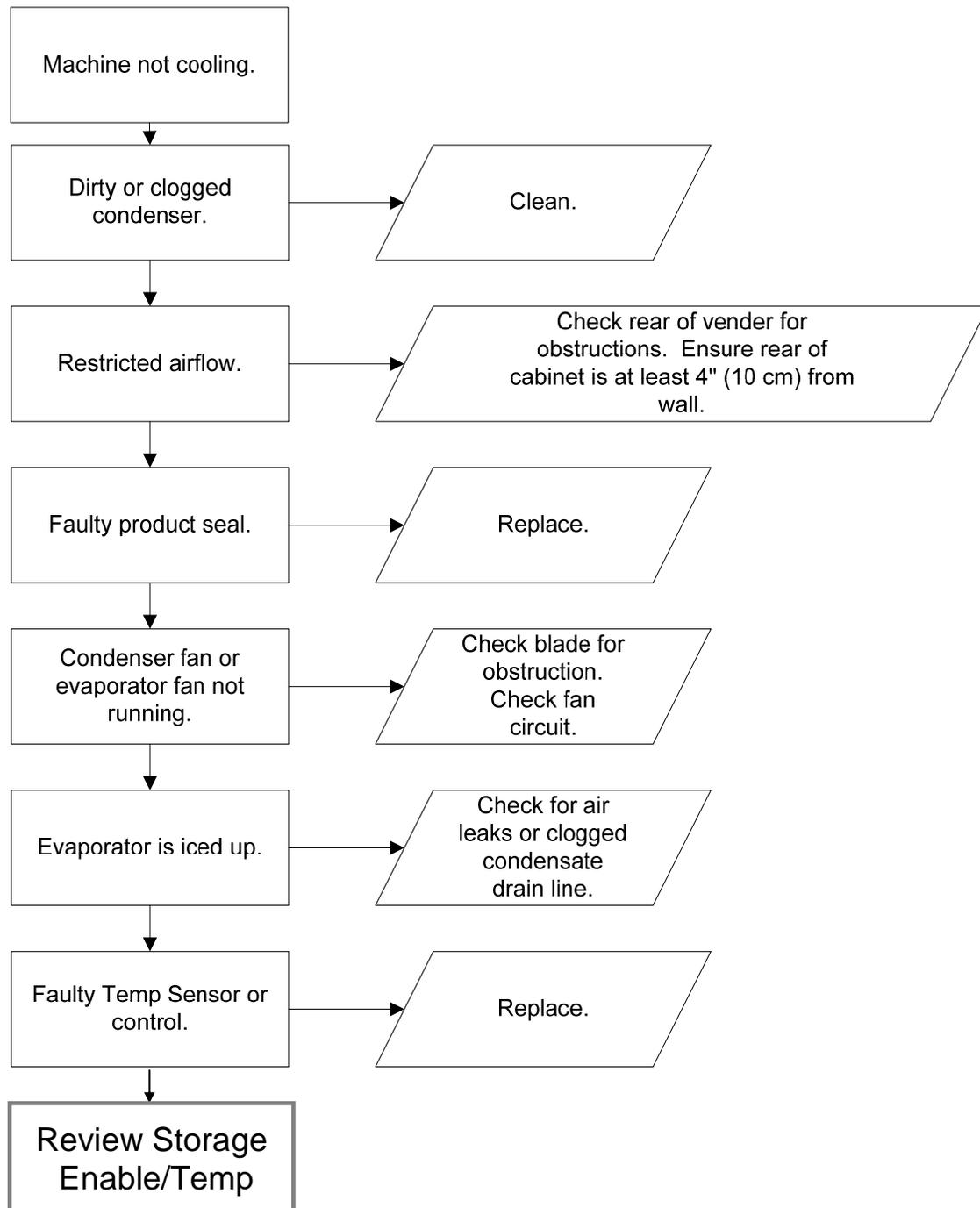


COMPRESSOR WILL NOT START



**Troubleshooting Tip:** Use a short 15 Amp extension cord and plug the compressor directly into the wall outlet. This will bypass the Electronic Controls.  
**Note:** For Testing Purposes Only.

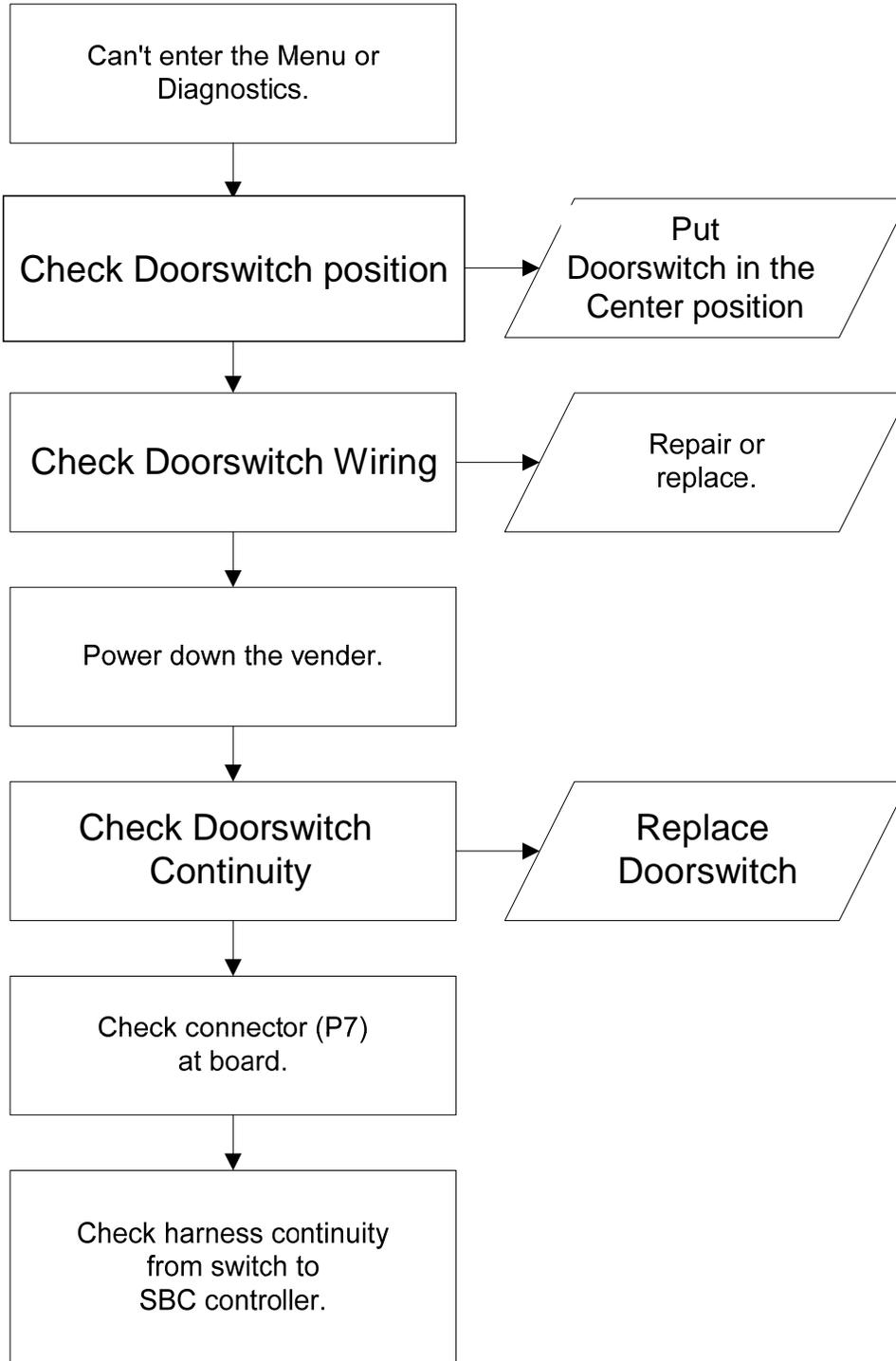
MACHINE NOT COOLING



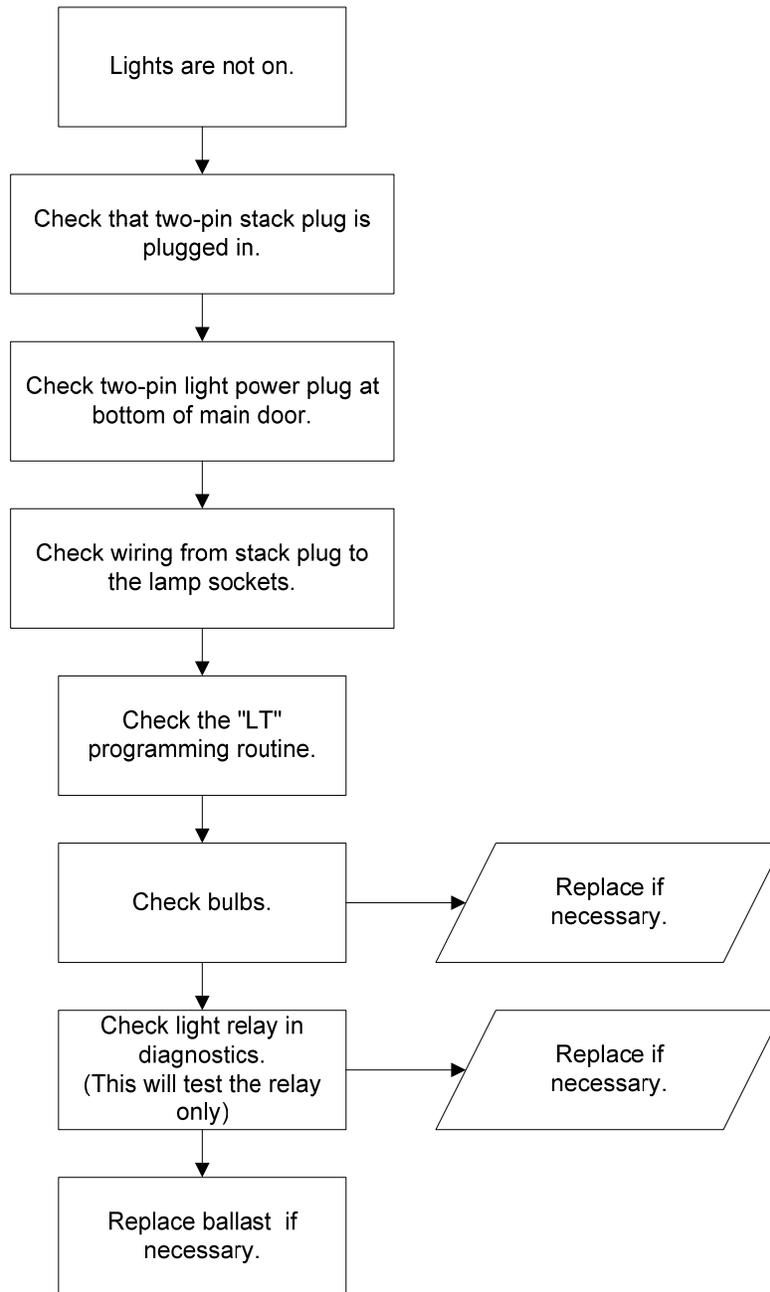
CAN'T ENTER THE MENU OR DIAGNOSTICS



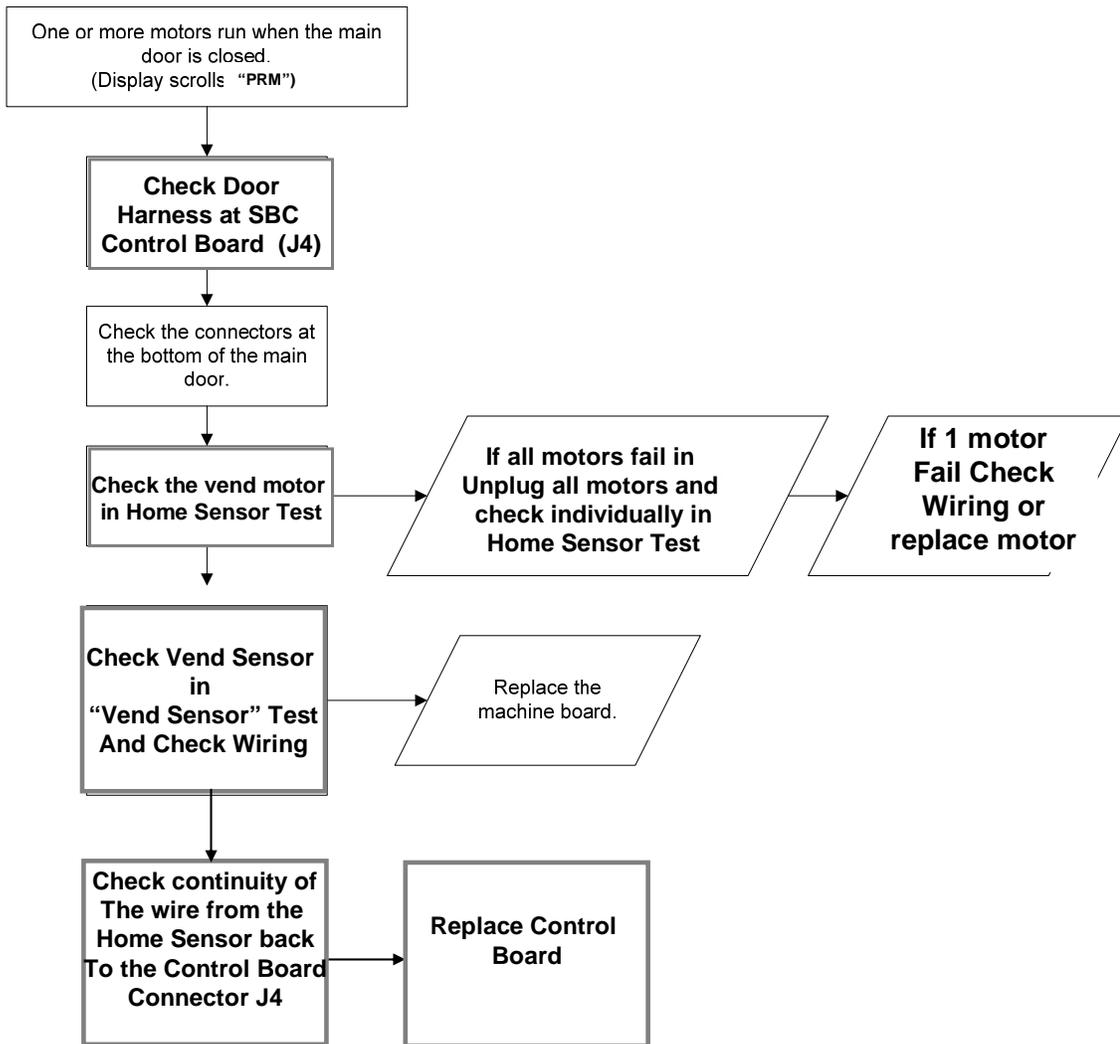
**Note:** Prior to checking wires or connections, ensure power has been removed from vender.



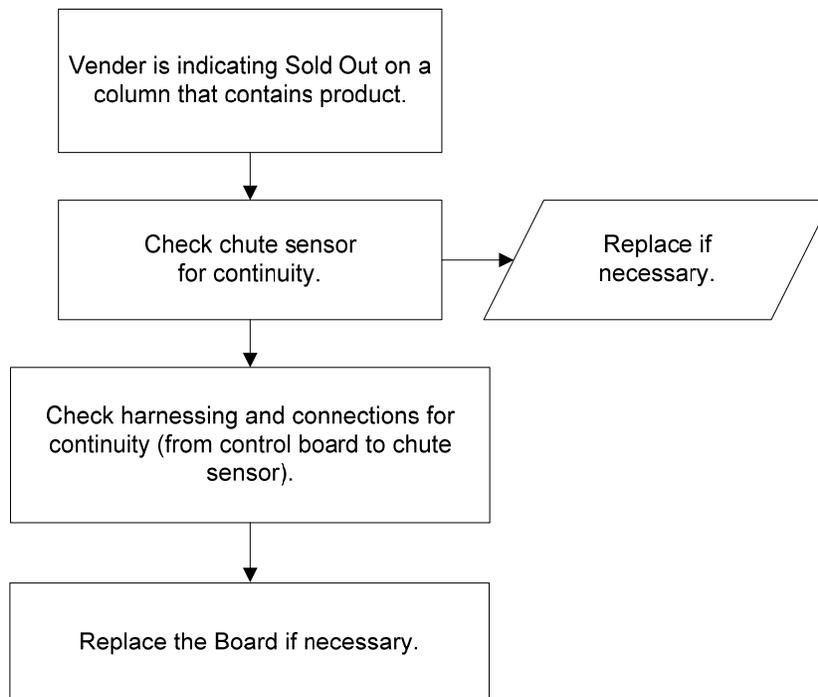
LIGHTS ARE NOT ON



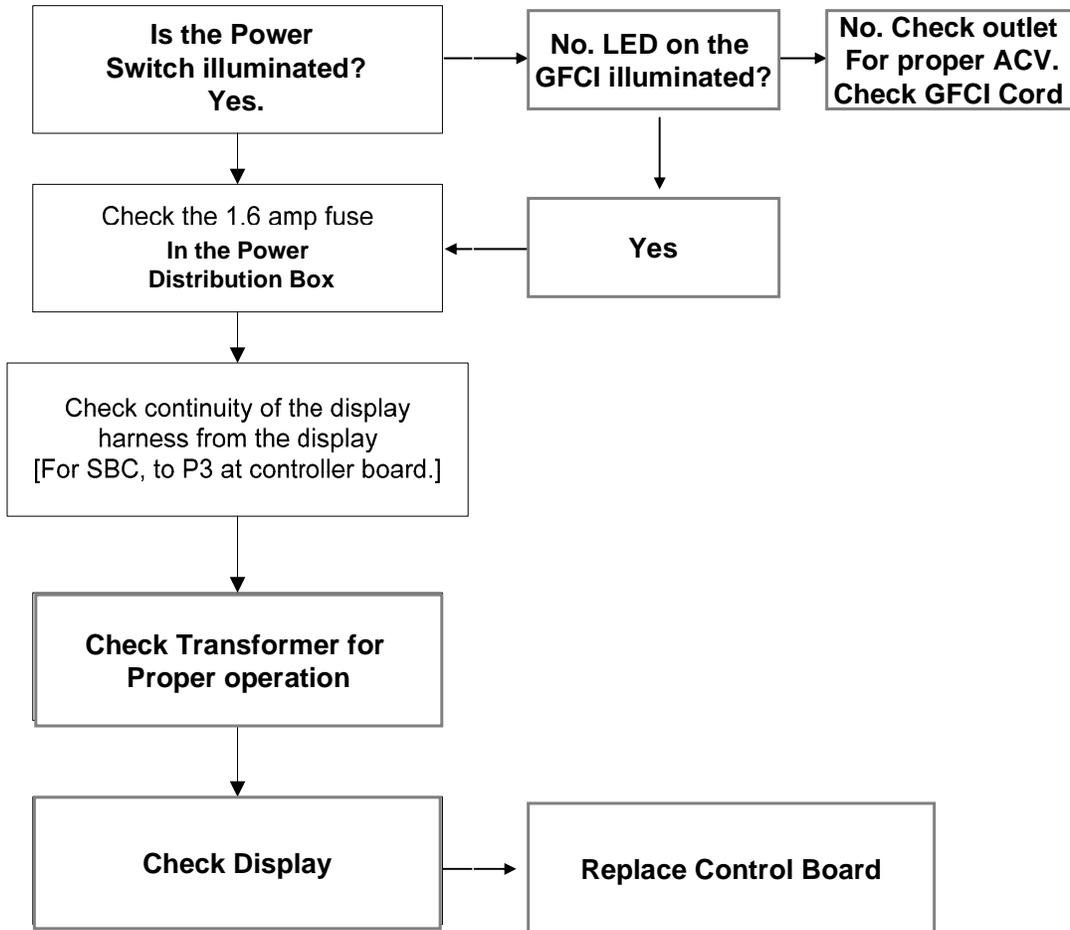
**ONE OR MORE MOTORS RUN WHEN MAIN DOOR IS CLOSED  
(Display Scrolls "Homing")**



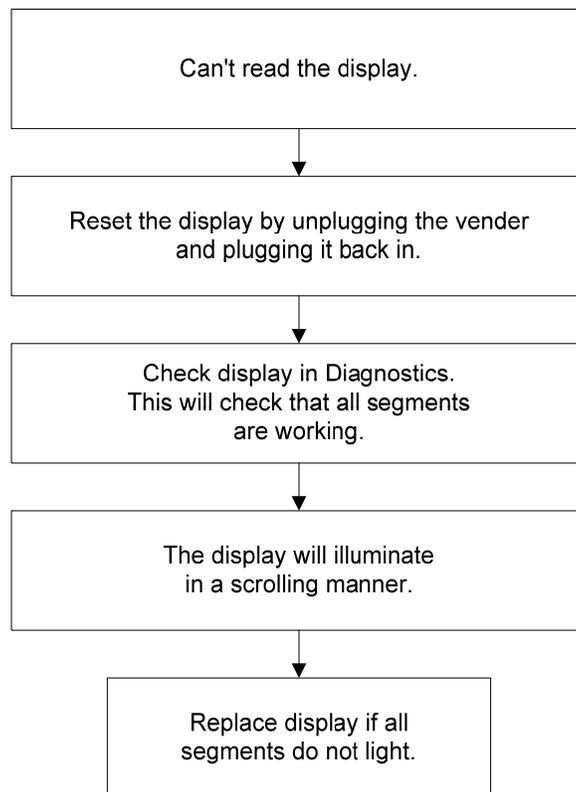
SOLD OUT



THE DISPLAY IS DEAD

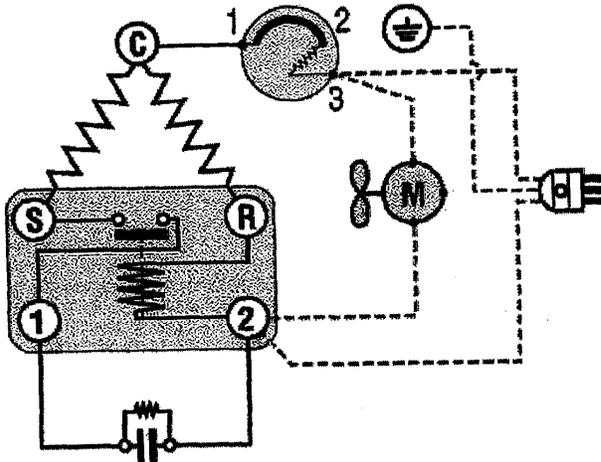


**CAN'T READ THE DISPLAY**



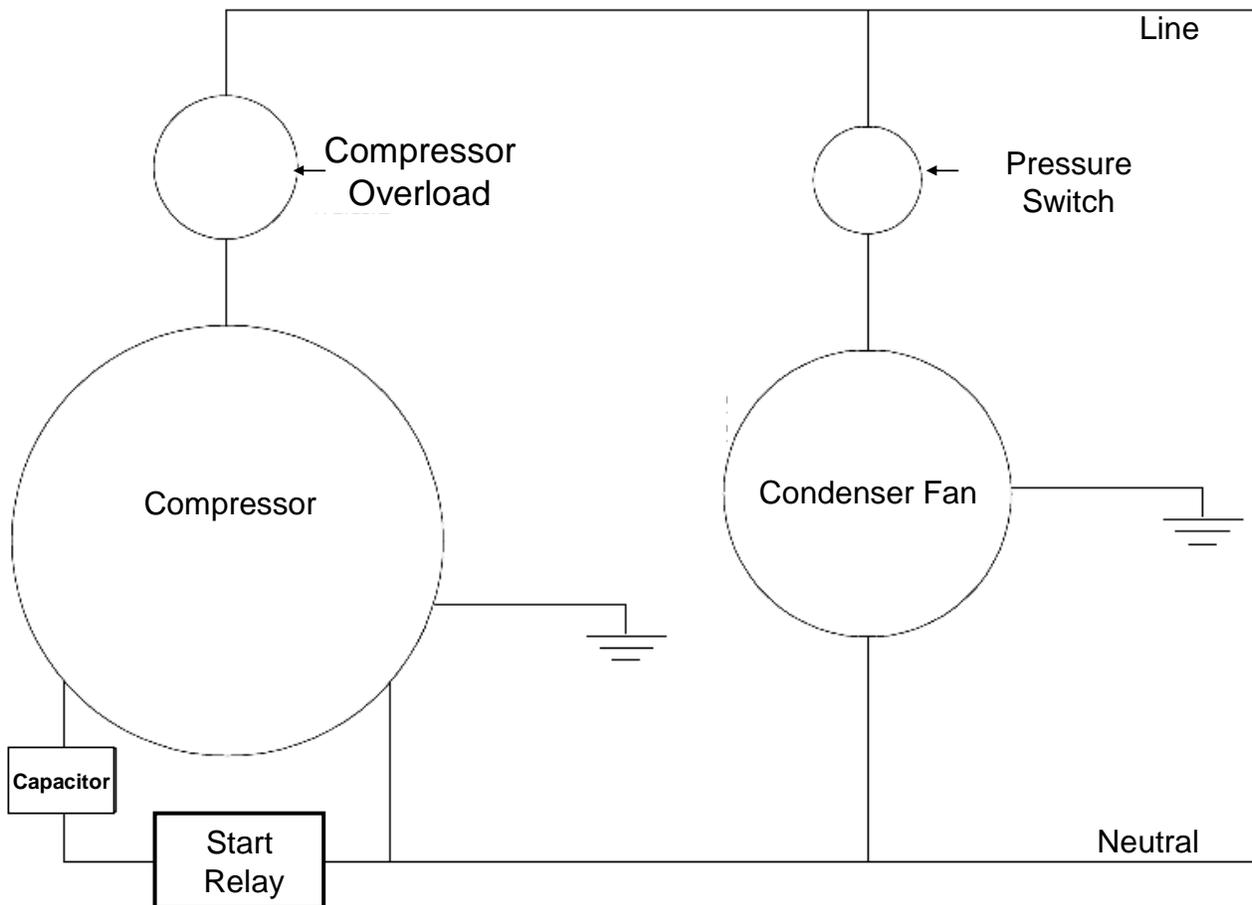


Refrigeration Circuit Diagrams



Symbol	Description
	Current Start Relay with Capacitor Connections
	Start Capacitor
	Overload Protector
	Fan
	Single Phase Motor
	Earth Connection
	Single Phase Supply
	Common
	Run
	Start
	Factory Made Connections
	Connections to be made

New Refrigeration Circuit effective run# 6917



# PARTS LIST

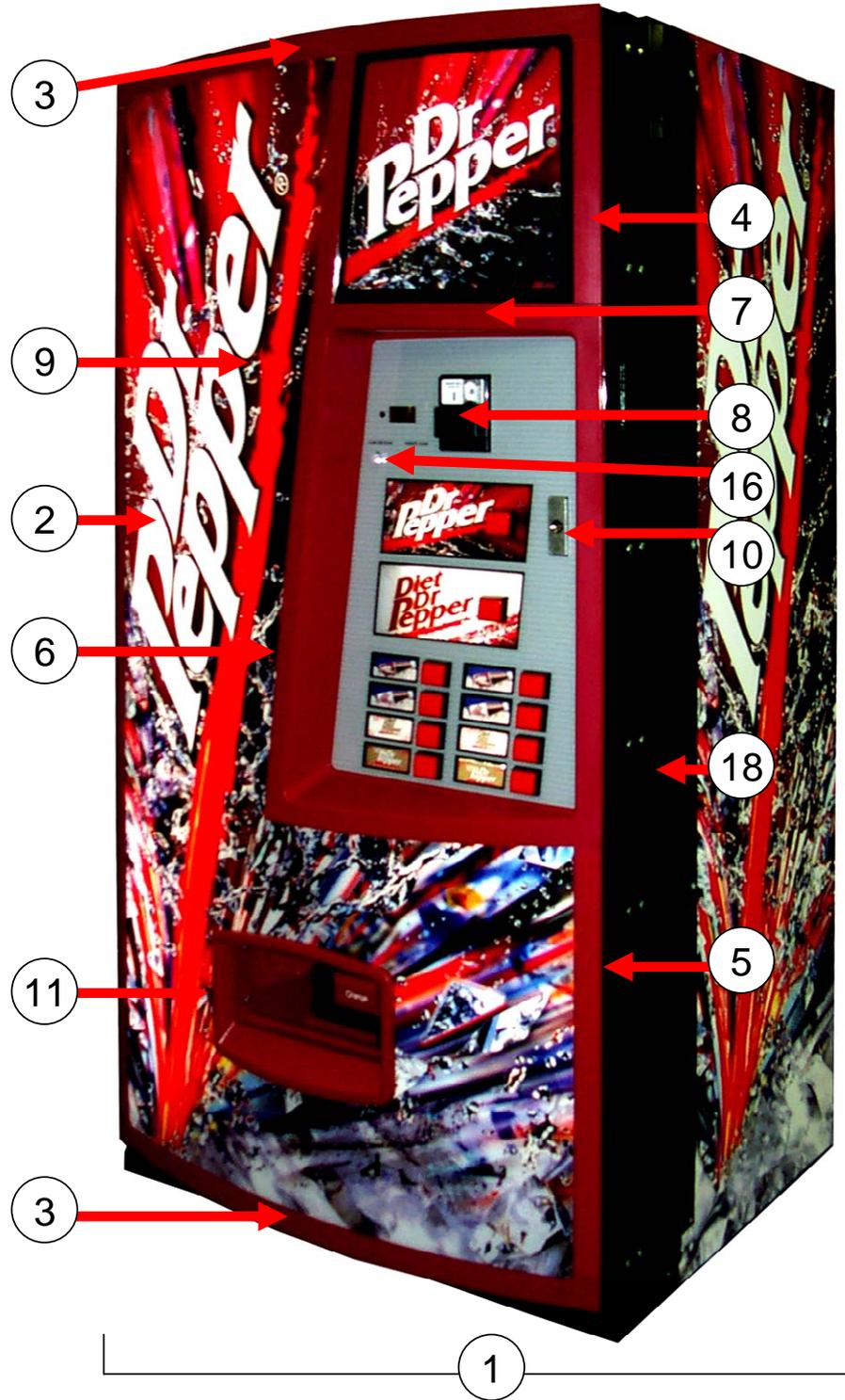
## Generic P Series

### 504P & 720P

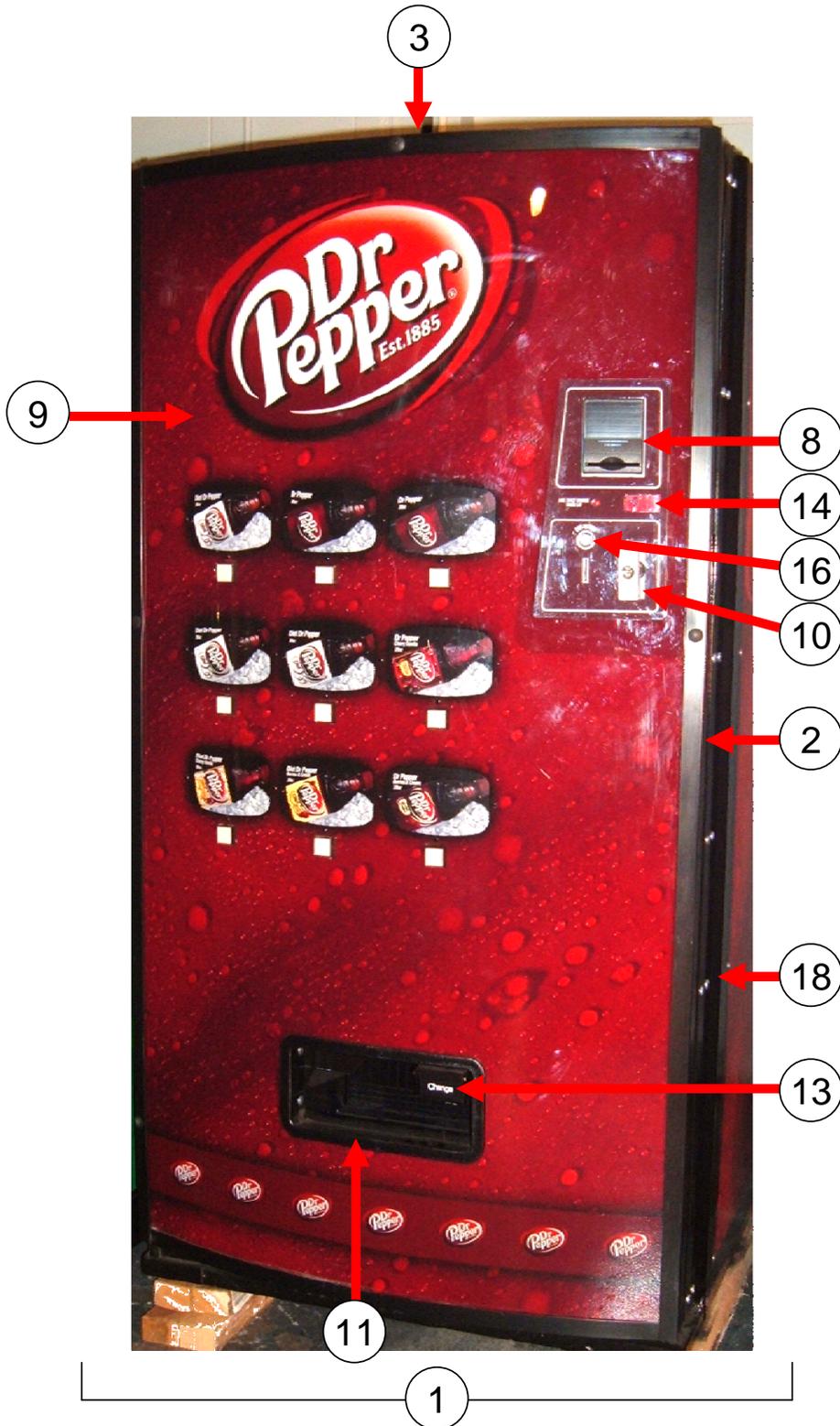
MAIN DOOR EXTERIOR .....	47 - 54
MAIN DOOR INTERIOR (A) .....	55 - 60
MAIN DOOR INTERIOR (B) .....	61 - 66
SELECT PANEL .....	67 - 70
T8 LIGHTING .....	71 - 76
ELECTRONIC COMPONENTS .....	77 - 78
INNER DOOR .....	79 - 81
HARNESSING SINGLE BOARD CONTROLLER (SBC) .....	82 - 83
POWER DISTRIBUTION BOX .....	84 - 85
CABINET AND VEND MECHANISM (SECTION 1) .....	86 - 87
CABINET AND VEND MECHANISM (SECTION 2) .....	88 - 89
CHUTE ASSEMBLY .....	90
EVAPORATOR FAN ASSEMBLY .....	91 - 92
REFRIGERATION SYSTEM (SECTION ONE) .....	93 - 94
SCREWS & NUTS .....	95 - 96
WASHERS, BOLTS, & MISC. HARDWARE .....	97 - 99



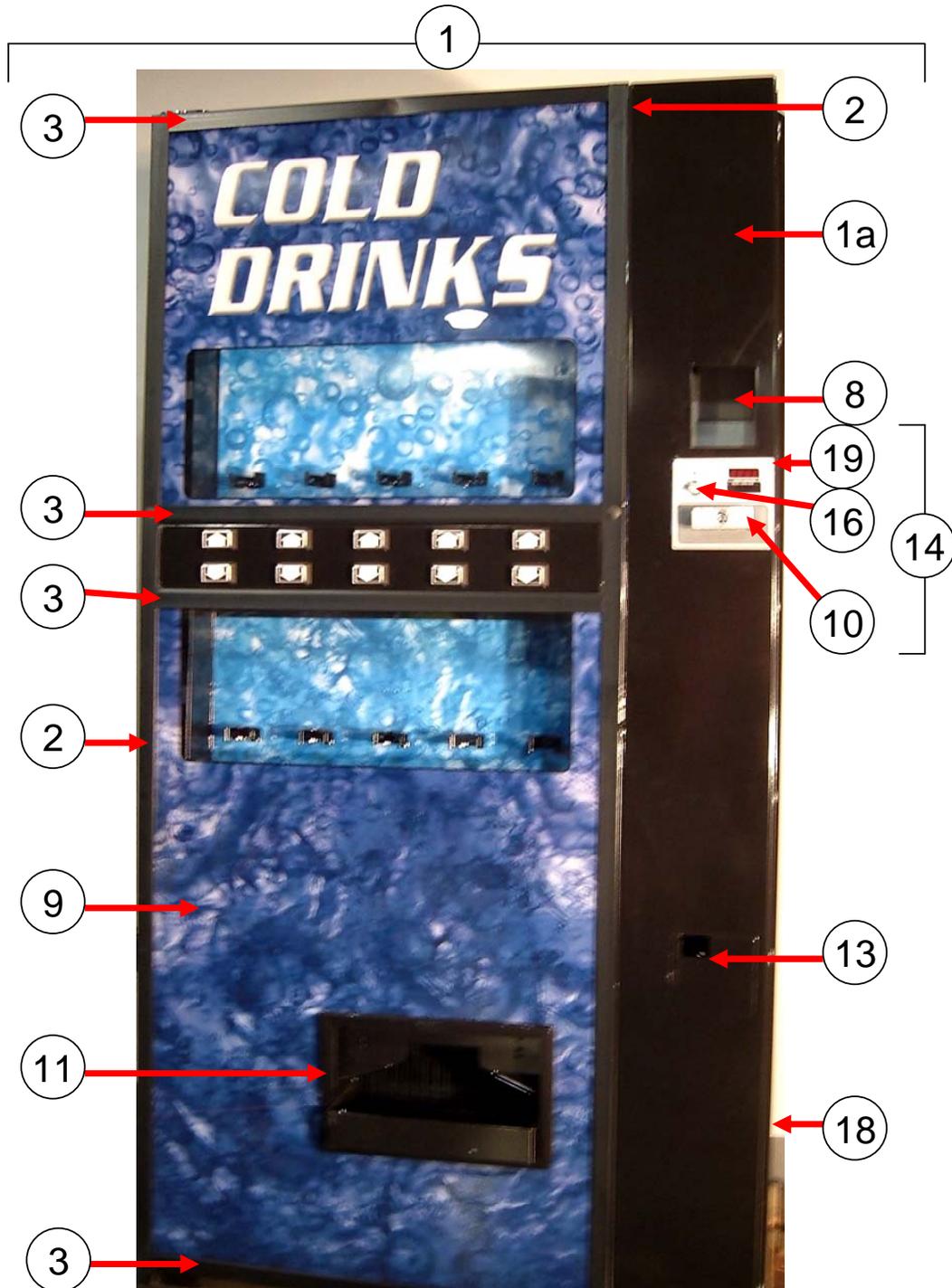
### MAIN DOOR EXTERIOR (Dr Pepper SL5)



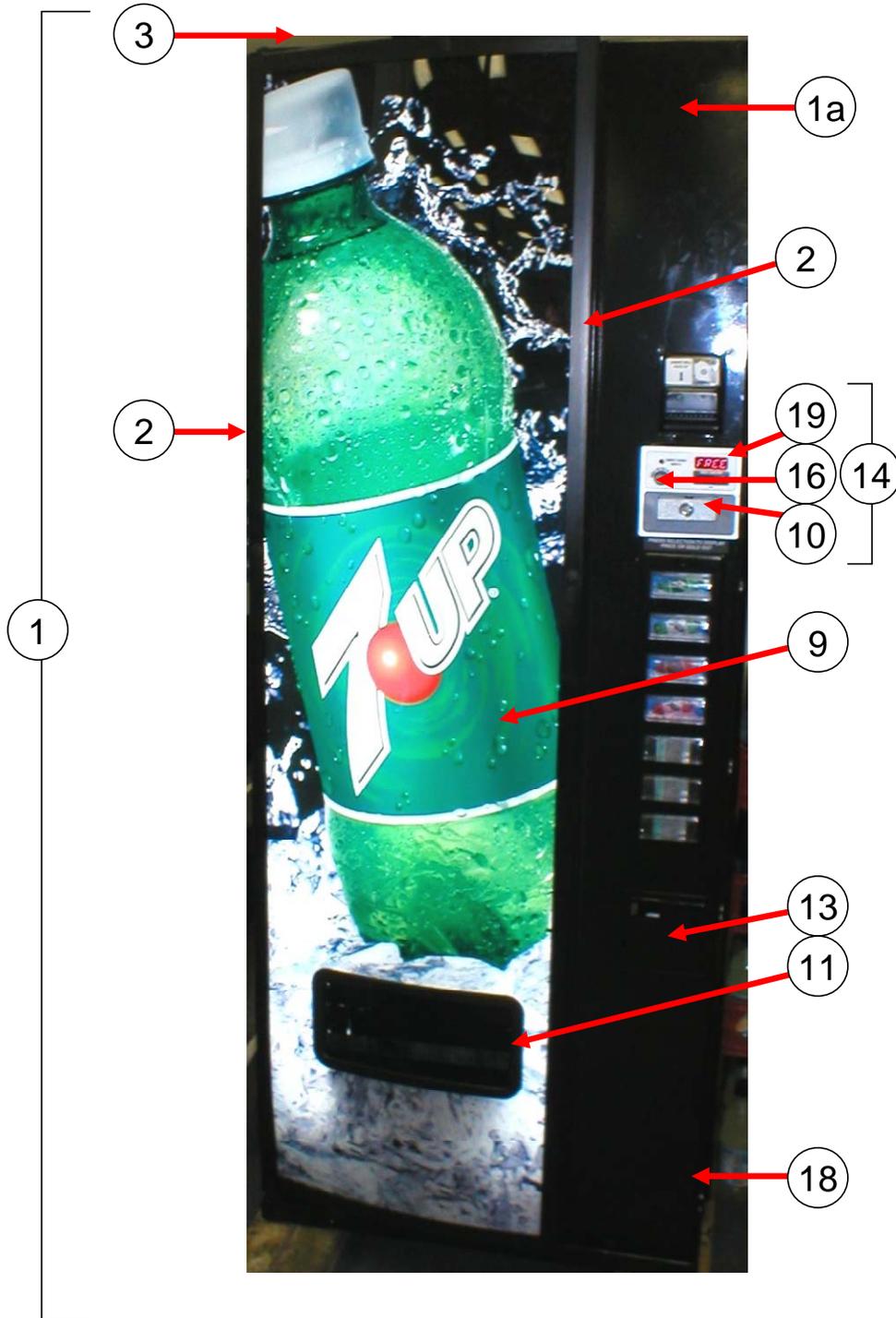
MAIN DOOR EXTERIOR  
(Chameleon)



### MAIN DOOR EXTERIOR (Dual Display)



### MAIN DOOR EXTERIOR (Generic Round / Magnum Circular)



MAIN DOOR EXTERIOR			
ITEM	PART DESCRIPTION	DN504P	DN720P
1	Main Door Assembly P-Series - Specify Graphics		
	Generic Round (no sign)	640,053,70x.x3	639,054,60x.x3
	Dual Display	640,053,80x.x3	639,054,70x.x3
	DP V4	640,052,30x.x3	639,054,00x.x3
	DP V4 Chameleon	NA	639,057,00x.x3
	DP SL5	NA	634,055,00x.x3
	Magnum Circular - Export	640,054,20x.x3	639,055,70x.x3
1a	Door Weld Assembly (Specify Color)		
	Generic Round	640,054,40x.x3	639,053,20x.x3
	Dual Display	640,051,60x.x3	639,052,10x.x3
	DP V4, DP V4 Chameleon	640,052,20x.x3	639,051,60x.x3
	DP SL5	NA	634,050,10x.x3
	Magnum Circular - Export	640,051,20x.x3	
2	Trim, Side 69 1/8"		
	Generic Round, Display, DP V4	801,809,67x.x1	SAME
	DP V4, DP V4 Chameleon	801,809,67x.x1	SAME
	DP SL5 - Left	NA	634,050,51x.x3
3	Horizontal Trim		
	Trim, Top/Bottom 37.62" - Generic Round	801,820,67x.x1	801,809,65x.x1
	Trim, Top/Bottom 54" - Dual Display	801,809,65x.x1	SAME
	Trim, Top/Bottom, DP V4, DP V4 Chameleon	801,809,65x.x1	801,809,68x.x1
	Top Cap Assembly		
	DP SL5	NA	801,817,34x.x1
	Bottom Cap Assembly		
4	DP SL5	NA	801,817,36x.x1
	Trim, Upper Right Maroon		
5	DP SL5	NA	634,050,52x.x3
	Trim, Lower Right		
6	DP SL5	NA	634,050,53x.x3
	Frame Assembly		
7	DP SL5	NA	801,815,86x.x1
	Trim, Ad Panel		
8	DP SL5	NA	801,817,32x.x1
	Plate, Filler Bill Validator (Specify Color)		
	All except	360,050,72x.x3	SAME
9	DP SL5	NA	634,050,86x.x3
	Sign		
	7 Up Splash	805,034,04x.x1	805,038,23x.x1
	DP V4 Dr Pepper Logo	805,042,12x.x1	805,042,11x.x1
	DP V4 Dr Pepper Chameleon	NA	805,044,10x.x1
	Top, Dual Display Blue Deluxe	805,032,54x.x1	805,031,85x.x1
	Bottom, Dual Display Blue	805,038,61x.x1	805,038,95x.x1
	Kit, DP V4 Chameleon Complete	NA	639,056,80x.x4
DP SL5, Dr Pepper '06	NA	805,042,72x.x1	

Part numbers & descriptions are subject to change with out notice.

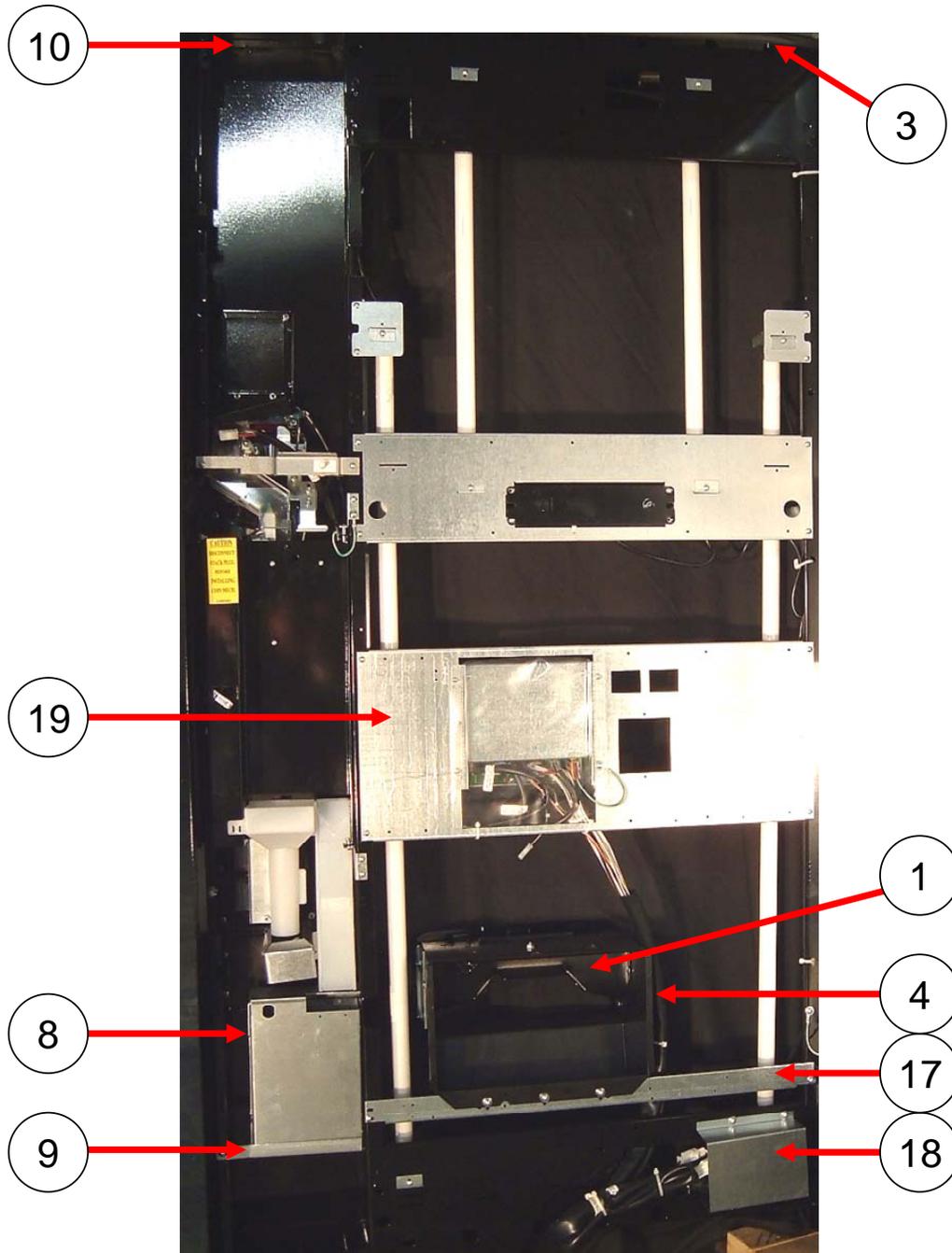
NA = Not applicable TBD = To be determined RB = Replaced by

MAIN DOOR EXTERIOR			
ITEM	PART DESCRIPTION	DN504P	DN720P
9	DP SL5, Ad Card	NA	803,869,42x.x1
	DP SL5, Transaction	NA	805,033,13x.x1
	7up Slash Bottle	805,038,09x.x1	805,038,06x.x1
	7up Splash Can	NA	805,043,27x.x1
10	T handle Assembly		
	Generic Round, Dual Display (was 80450820xx1)	801,524,210.01	SAME
	DP V4, Chameleon - Extended	801,525,65x.x1	SAME
	DP SL5	NA	801,525,97x.x1
11	Port Trim (Trimspacer)		
	Generic Round	801,810,11x.x1	801,809,53x.x1
	Dual Display	801,602,94x.x1	SAME
	DP V4, DP V4 Chameleon	801,810,11x.x1	801,810,04x.x1
	DP SL5	NA	801,816,03x.x1
12	Gasket, Port Press On (Not Shown)		
	DP V4, DP V4 Chameleon	801,810,46x.x1	801,810,46x.x2
13	Mounting Plate, Coin Cup		
	Generic Round, Dual Display	572,058,40x.x3	SAME
	DP V4, DP V4 Chameleon	604,057,90x.x3	SAME
14	Assembly, Coin Insert		
	Generic Round, Dual Display	461,150,80x.x3	SAME
	DP V4, DP V4 Chameleon - (includes label)	604,153,20x.x3	SAME
15	Coin Insert Filler Plate		
	DP V4, DP V4 Chameleon	604,051,52x.x3	SAME
16	Push Button Coin Return		
	All	801,807,25x.x	SAME
17	Latch, Tab Lock Large Port (Not Shown)		
	All	801,304,91x.x1	SAME
18	Vandal Panel (Specify Color)		
	All	165,150,33x.x3	SAME
19	Label, Coin Insert		
	Generic Round, Dual Display	803,837,66x.x1	SAME
	DP V4 (Not Shown)	803,860,75x.x1	SAME
	Generic (Venders with lock cover)	803,841,78x.x1	SAME
	DP V4 (Venders with lock cover)	803,860,75x.x1	SAME
20	Gasket, Ad Panel		
	DP SL5	NA	802,001,46x.x1
21	Retainer, Ad Panel Trim		
	DP SL5	NA	634,050,49x.x3
22	Retainer, Ad Panel Trim, Right		
	DP SL5	NA	634,050,77x.x3
23	Rubber, Trim Edge		
	DP SL5	NA	634,050,91x.x3

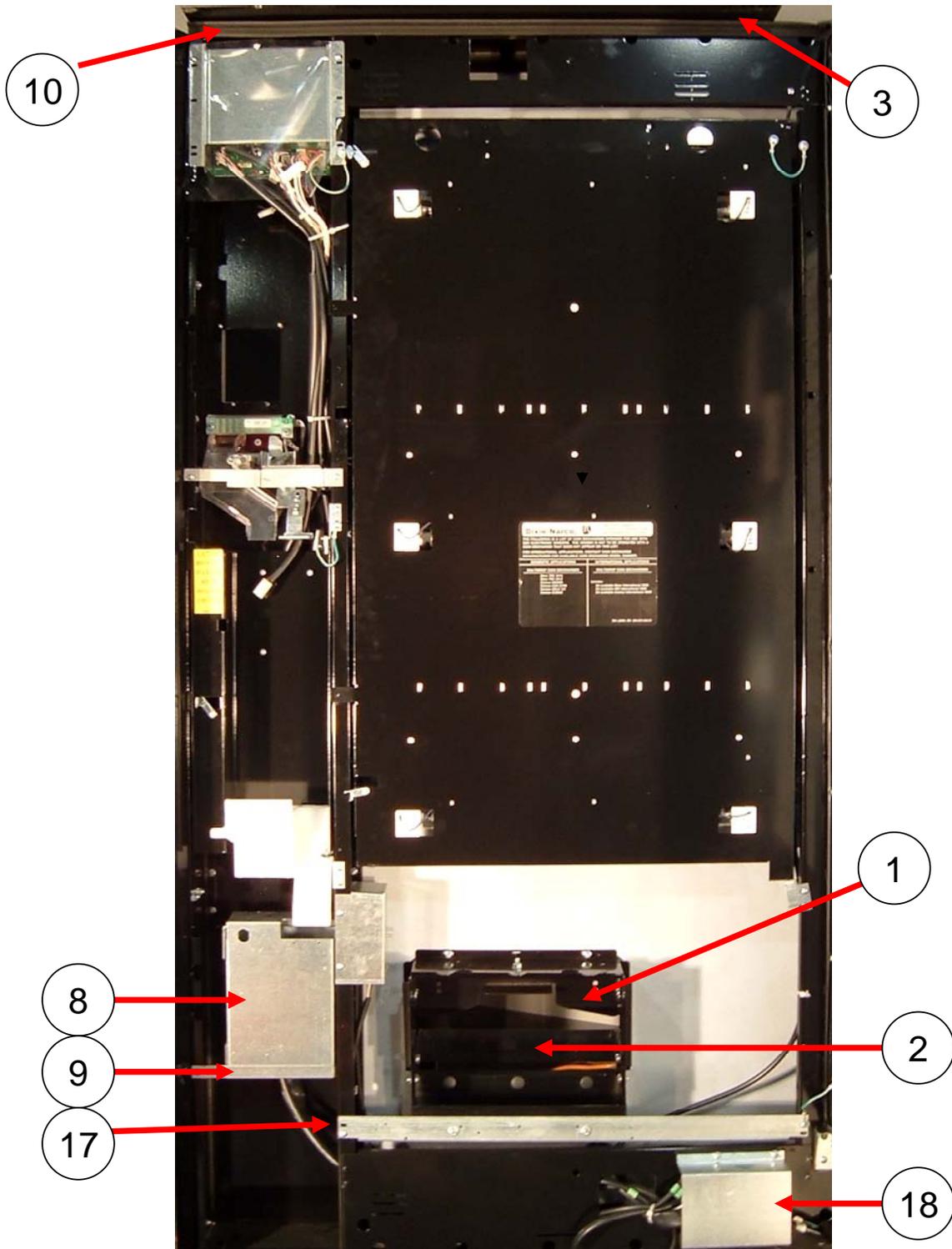
Part numbers & descriptions are subject to change with out notice.  
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<b>MAIN DOOR EXTERIOR MISCELLANEOUS</b>			
<b>ITEM</b>	<b>PART DESCRIPTION</b>	<b>DN504P</b>	<b>DN720P</b>
	Lockcover Kit		
24	Kit, Lockcover Generic Round, Display	480,011,20x.x4	SAME
	Kit, Lockcover DP V4, DP V4 Chameleon	604,054,500.54	SAME
25	Bolt, T 8-32x1/2	800,400,62x.x1	SAME
26	Bolt, T 8-32x3/4	800,400,61x.x1	SAME
27	Nut, Keps 8-32	800,801,54x.x1	SAME
28	Bolt, Carriage 1/4-20x1/2	800,202,45x.x1	SAME
29	Hole Plug, Black 5/16"	900,902,15x.x1	SAME
30	E-Ring, #31-30	901,503,07x.x1	SAME
31	Rivet, Pop Muti-Grip Blind	901,100,53x.x1	SAME
32	Bolt, Carriage 1/4-20x1	800,202,42x.x1	SAME
33	Nut, KEPS 1/4-20	800,801,57x.x1	SAME
34	Label, Money Removed Daily (Not Shown)	903,805,70x.x1	SAME
35	Label, Warning Do Not Tilt (Not Shown)	803,868,29x.x1	SAME
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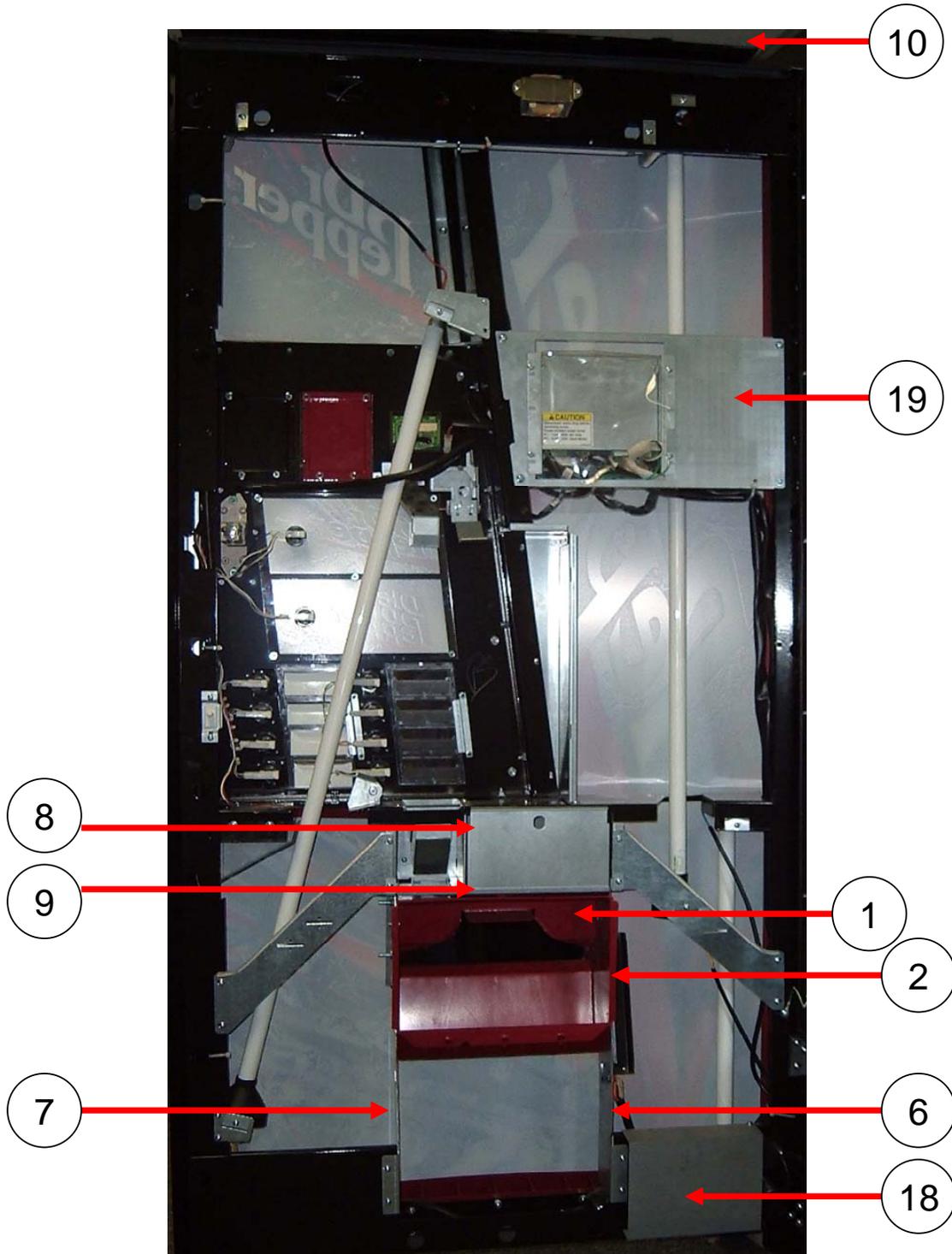
**MAIN DOOR INTERIOR (A)  
(Generic Round / Magnum Circular)**



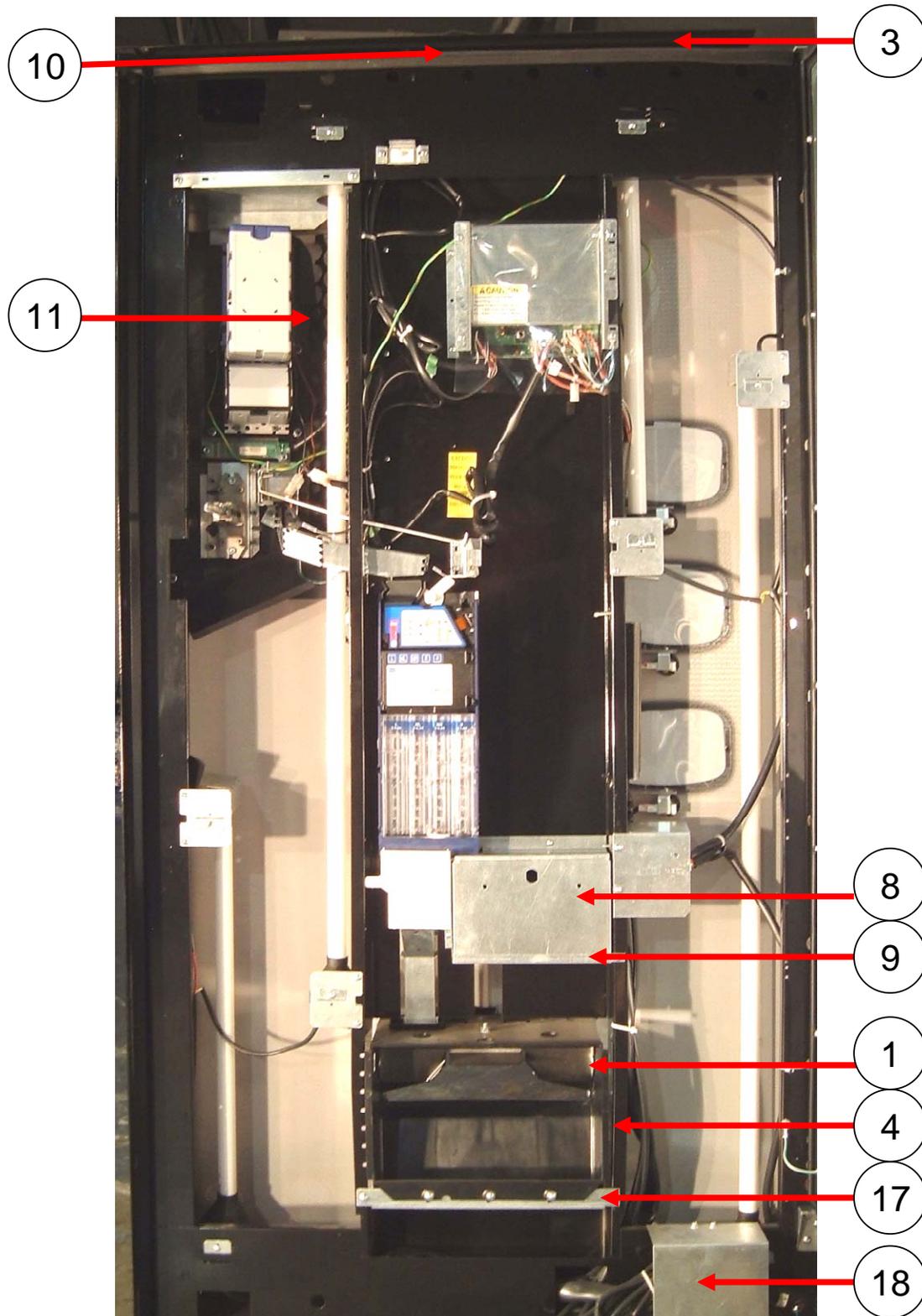
**MAIN DOOR INTERIOR (A)  
(Dual Display)**



MAIN DOOR INTERIOR (A)  
(DP SL5)



MAIN DOOR INTERIOR (A)  
(Chameleon)

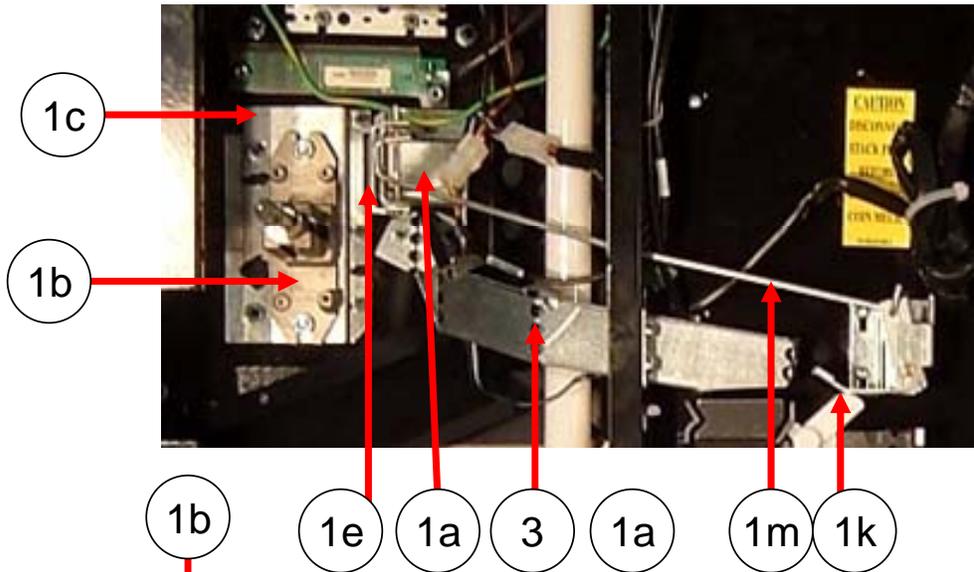
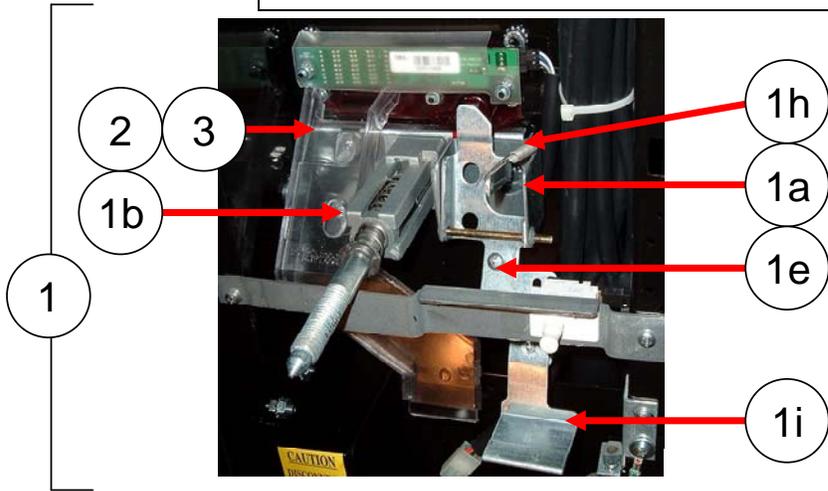


MAIN DOOR INTERIOR (A)			
ITEM	PART DESCRIPTION	DN504P	DN720P
1	Closure Strip		
	Generic Round	609,050,14x.x3	SAME
	Dual Display	614,050,04x.x3	SAME
	DP V4, DP V4 Chameleon	619,050,32x.x3	609,050,14x.x3
	DP SL5	NA	634,050,87x.x3
2	Discharge Member		
	Dual Display	614,050,05x.x3	SAME
3	Rain Guard		
	All	169,050,34x.x3	164,151,14x.x3
4	Wide Delivery Port		
	Generic Round	801,813,39x.x1	801,810,02x.x1
	Dual Display	614,050,30x.x3	
	DP V4, DP V4 Chameleon	801,813,47x.x1	801,810,03x.x1
	DP SL5	NA	801,816,02x.x1
	Port Support		
	Generic Round	000016	640,050,17x.x3
5	Delivery Port Spacer		
	Generic Round, DP V4, DP V4 Chameleon, (2)	NA	594,050,96x.x3
6	Port Support, Right		
	DP SL5	NA	634,050,17x.x3
7	Port Support, Left		
	DP SL5	NA	634,054,20x.x3
8	Cash Box		
	Generic Round	432,051,80x.x3	SAME
	DP V4, DP V4 Chameleon	604,050,94x.x3	SAME
	DP SL5	NA	634,051,80x.x3
9	Shelf, Cash Box		
	Generic Round, Dual Display	432,050,18x.x3	SAME
	DP V4, DP V4 Chameleon	604,050,93x.x3	SAME
	DP SL5	NA	634,051,90x.x3
10	L Profile Gasket 35"		
	All	803,601,11x.x1	803,601,12x.x1
11	Panel and Stud Assembly 1 point Lock		
	DP V4	619,053,30x.x3	604,153,70x.x3
	DP V4 Chameleon	NA	639,056,90x.x3
12	Top Bulkhead		
	DP V4, DP V4 Chameleon	640,050,36x.x3	604,050,95x.x3
13	Center Bulkhead		
	DP V4, DP V4 Chameleon	619,050,18x.x3	NA
14	Rain Diverter, Delivery Port		
	DP V4, DP V4 Chameleon	801,813,64x.01	NA
	DP SL5	NA	801,817,83x.x1
15	Water Deflector		
	DP V4, DP V4 Chameleon	801,903,48x.x1	
Part numbers & descriptions are subject to change with out notice. NA = Not applicable TBD = To be determined RB = Replaced by			

<b>MAIN DOOR INTERIOR (A) CONTINUED</b>			
<b>ITEM</b>	<b>PART DESCRIPTION</b>	<b>DN504P</b>	<b>DN720P</b>
16	Diverter, Rain, Bill Validator		
	All	801,902,71x.x1	801,903,18x.x1
17	Delivery Port Stiffener		
	Dual Display, Generic Round	615,050,04x.x3	594,050,61x.x3
	DP V4, DP V4 Chameleon	619,050,09x.x3	604,050,96x.x3
18	Cover, Wire Plug		
	Generic Round, Dual Display	640,050,07x.x3	SAME
	DP V4, DP V4 Chameleon	639,050,23x.x3	SAME
	DP SL5	NA	631,000,92x.x3
19	Center Stiffener		
	Generic Round	640,050,34x.x3	609,071,04x.x3
	DP SL5	NA	634,050,08x.x3
	Magnum Circular - Export	609,071,05x.x3	
20	Protective Plate Shim		
	DP V4, DP V4 Chameleon	604,051,27x.x3	SAME
21	Door Stop, Black		
	All	631,051,26x.x3	SAME
22	Bracket, Mounting Door Stop		
	DP SL5	NA	592,051,19x.x3
<b>MAIN DOOR INTERIOR (A) MISCELLANEOUS</b>			
23	Carriage Bolt ¼ -20x 3/8	800,202,46x.x1	SAME
24	Hex nut ¼ - 20	800,801,57x.x1	SAME
25	Holes Plug, Black, 5/8"	801,903,36x.x1	SAME
26	Latch, Tab lock Large Port		
	All	801,304,91x.x1	801,304,91x.x1
27	Bolt, Step 1/4-20x1 1/4 Black		
	DP V4, DP V4 Chameleon	800,202,53x.x1	SAME
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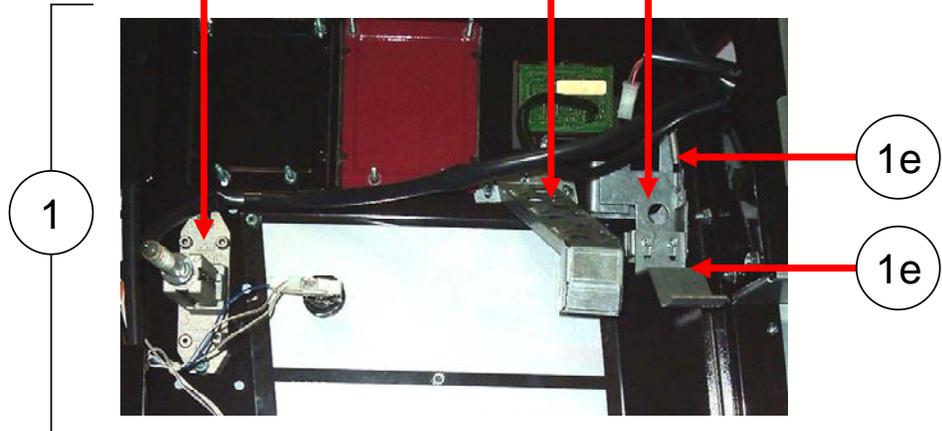
### MAIN DOOR INTERIOR (B)

Generic Round/Magnum Circular/Dual Display



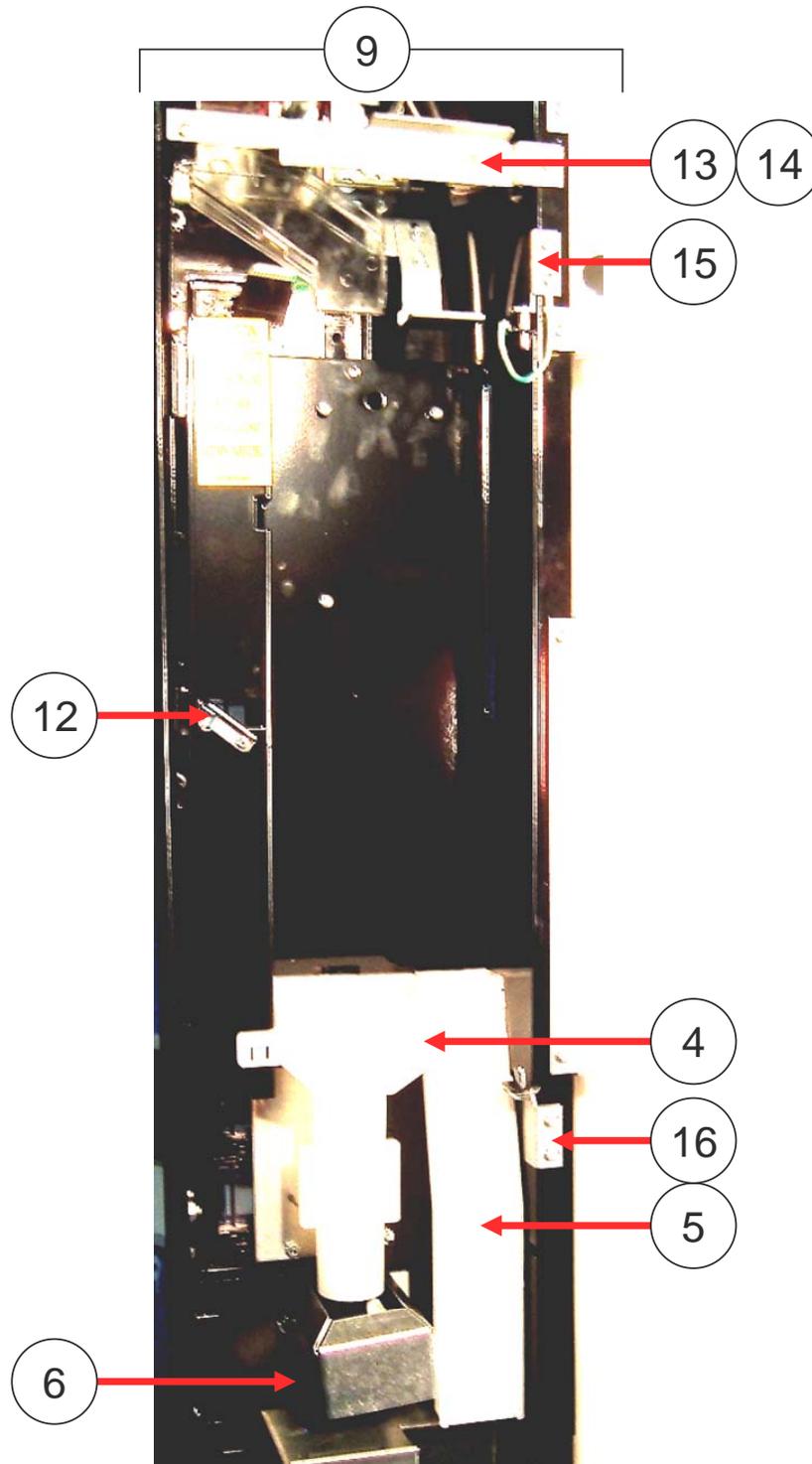
DP V4 /  
DP V4 Chameleon

1

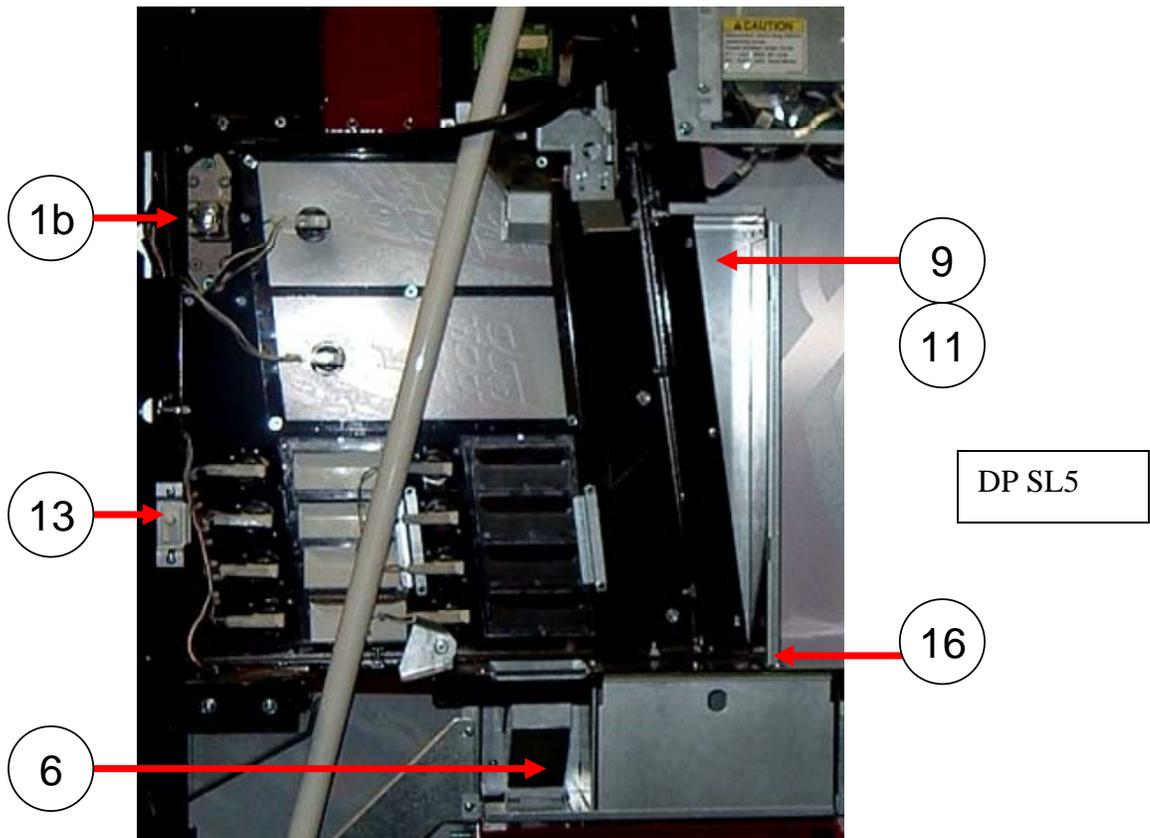
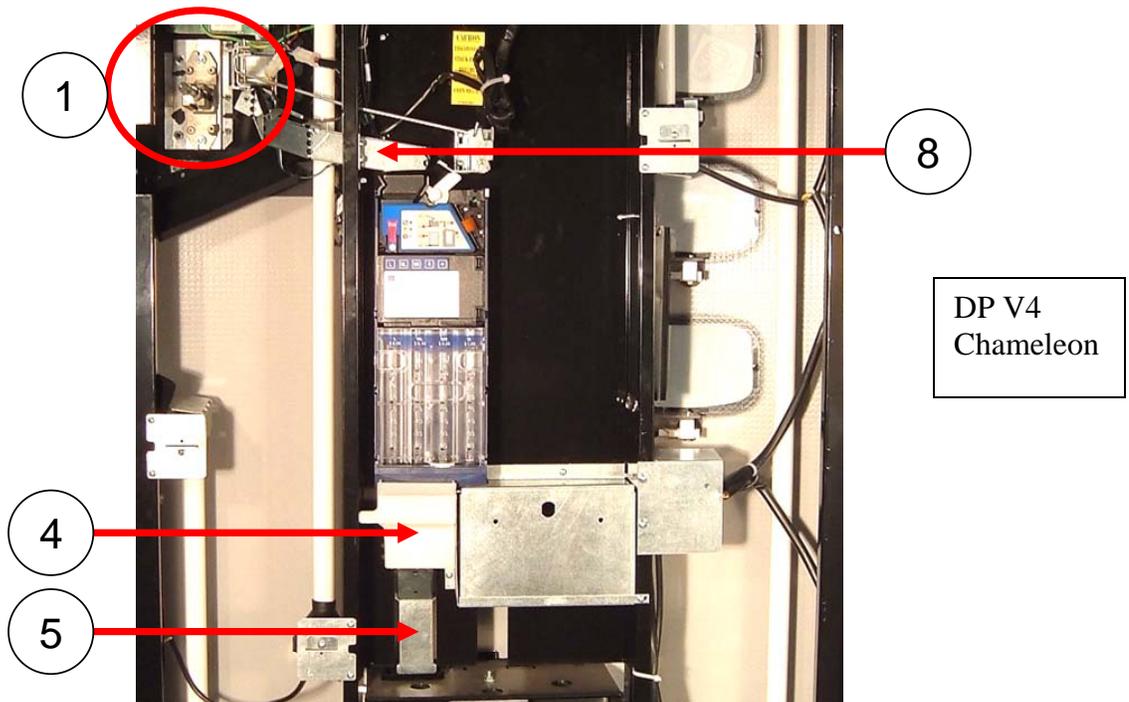


DP SL5

**MAIN DOOR INTERIOR (B)**  
(Generic Round / Magnum Circular / Dual Display)



MAIN DOOR INTERIOR (B)



MAIN DOOR INTERIOR (B)			
ITEM	PART DESCRIPTION	DN504P	DN720P
1	Sub assembly Coin Insert (Includes T Handle)		
	Generic Round, Dual Display	572,060,60x.x3	SAME
	DP V4, DP V4 Chameleon (does not include T-Handle)	619,053,40x.x3	604,153,90x.x3
1a	Coin Return Bracket		
	Generic Round, Dual Display	572,050,24x.x3	SAME
	DP V4, DP V4 Chameleon	624,050,23x.x3	SAME
	DP SL5	NA	634,050,24x.x3
1b	T Handle Assembly Flush Mount		
	Generic Round, Dual Display (was 80150820xx1)	801,524,21x.x1	SAME
	DP V4 Extended	801,525,65x.x1	SAME
	DP SL5	NA	801,525,97x.x1
1c	Bracket, T-Handle		
	DP V4, DP V4 Chameleon	604,153,80x.x3	SAME
	Shim, T-Handle Bracket		
	DP V4	604,051,35x.x3	SAME
1d	Button, Push Coin Return		
	All	801,807,25x.x1	SAME
1e	Coin Return Rocker		
	Generic Round, Dual Display	572,050,22x.x3	SAME
	DP V4	604,051,36x.x3	SAME
	DP SL5 - Bottom	NA	634,050,33x.x3
	DP SL5 - Top	NA	634,050,32x.x3
1f	Roller Pin		
	Generic Round, Dual Display	800,503,78x.x1	SAME
	DP V4 (2)	800,503,78x.x1	SAME
1g	Roller Pin Retainer		
	All	900,900,90x.x1	SAME
1h	Coin Return Spring		
	Generic Round, Dual Display	901,700,63x.x1	SAME
1i	Plunger, Coin Return		
	Generic Round, Dual Display	572,050,23x.x3	SAME
1j	Retainer, High Security		
	Generic Round, Dual Display	572,000,01x.x3	SAME
1k	Coin Return Rocker - Changer		
	DP V4	624,050,45x.x3	SAME
1l	Coin Return Bracket - Changer		
	DP V4	604,050,04x.x3	SAME
1m	Coin Return Link		
	DP V4	801,401,85x.x1	801,401,86x.x1
1n	Geometry (red lens)		
	All except DP SL5	801,807,71x.x1	SAME
	DP SL5	NA	801,810,67x.x1
	Export	801,807,72x.x1	SAME
2	Coin Insert Chute Cover Clear		
	Generic Round, Dual Display	801,805,80x.x1	SAME

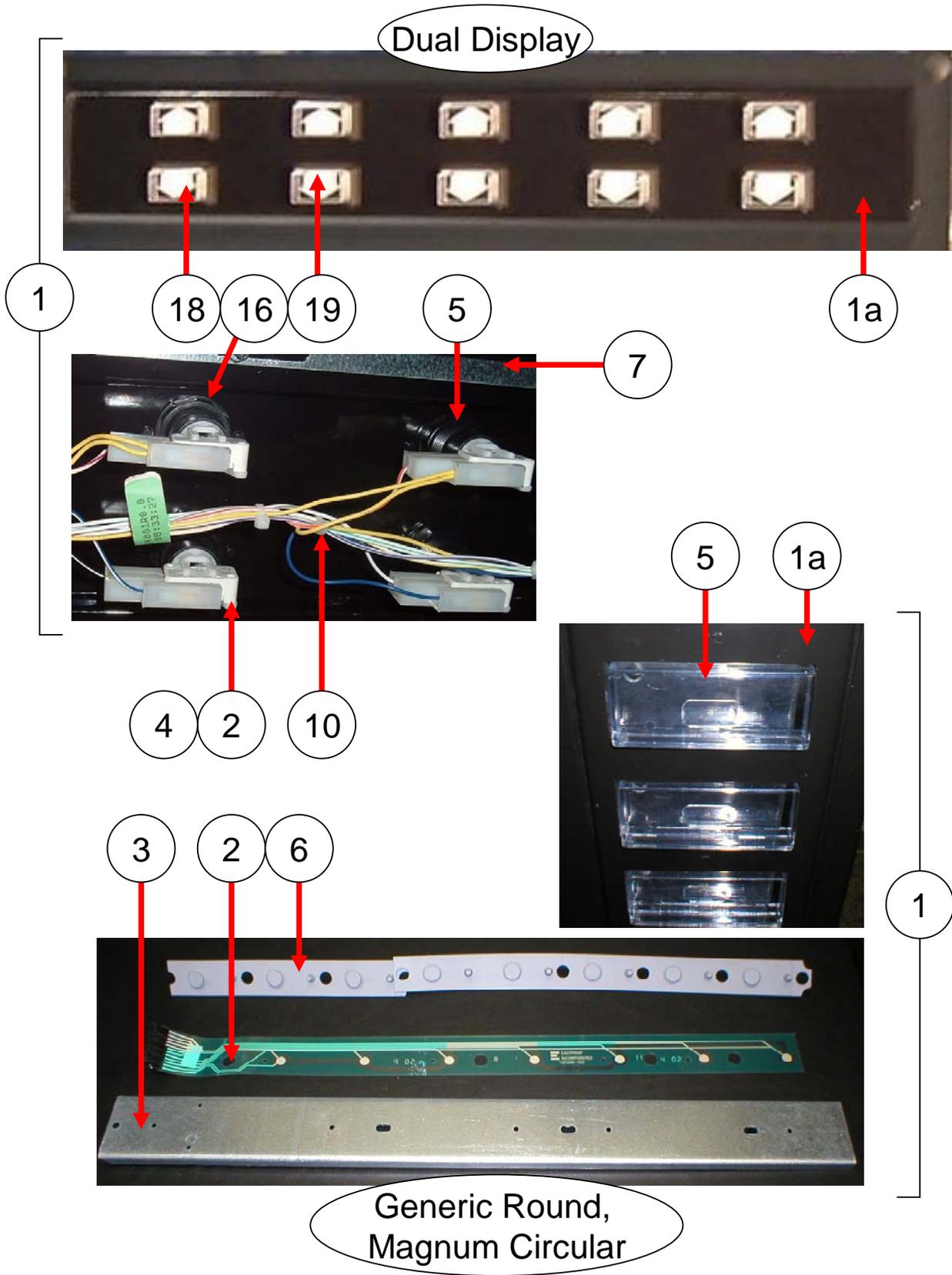
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MAIN DOOR INTERIOR (B)			
ITEM	PART DESCRIPTION	DN504P	DN720P
3	Coin Insert Chute Clear		
	Generic Round, Dual Display	801,805,79x.x1	SAME
	DP V4, DP V4 Chameleon - Assembly	619,050,60x.x3	604,051,00x.x3
	DP SL5	N/A	634,053,60x.x3
4	Hopper & Chute Assembly Non-HG		
	Generic Round, Dual Display	801,806,58x.x1	SAME
	DP V4, DP V4 Chameleon - Hopper Only	801,809,45x.x1	SAME
5	Coin Chute Front Non-HG		
	Generic Round, Dual Display	801,806,59x.x1	SAME
	DP V4, Chute Assembly	639,052,50x.x3	SAME
	DP SL5	N/A	634,054,10x.x3
6	Change Cup		
	Generic Round, Dual Display	801,810,14x.x1	SAME
	DP V4, DP V4 Chameleon - Assembly	604,057,90x.x3	SAME
	DP SL5	N/A	634,052,60x.x3
8	Bracket, Coin Chute		
	DP V4, DP V4 Chameleon	604,051,34x.x3	SAME
9	Assembly, Access Door		
	Generic Round, Magnum Circular - Export	491,052,00x.x3	592,058,20x.x3
	Dual Display	491,052,00x.x3	SAME
	DP V4, DP V4 Chameleon	N/A	N/A
	DP SL5	N/A	634,051,20x.x3
10	Coin Mech Vault		
	DP SL5	N/A	634,050,18x.x3
11	Bracket, Mech Guard		
	DP SL5	N/A	634,050,85x.x3
12	Latch Access Door		
	Generic Round, Dual Display	801,304,53x.x1	SAME
	DP V4	N/A	N/A
	DP SL5	N/A	634,053,50x.x3
13	Door Switch		
	All	804,100,77x.x1	SAME
14	Bracket, Doorswitch		
	DP V4, DP V4 Chameleon, DP SL5	N/A	604,051,28x.x3
	All Others	572,050,13x.x3	SAME
15	Hinge, Top Access Door		
	Generic Round, Display	432,051,00x.x3	SAME
16	Hinge, Bottom Access Door		
	Generic Round, Dual Display	432,051,10x.x3	SAME
	DP SL5	N/A	634,051,40x.x3
17	Bracket, Bill Validator Guard SL5 only	N/A	634,050,85x.x3

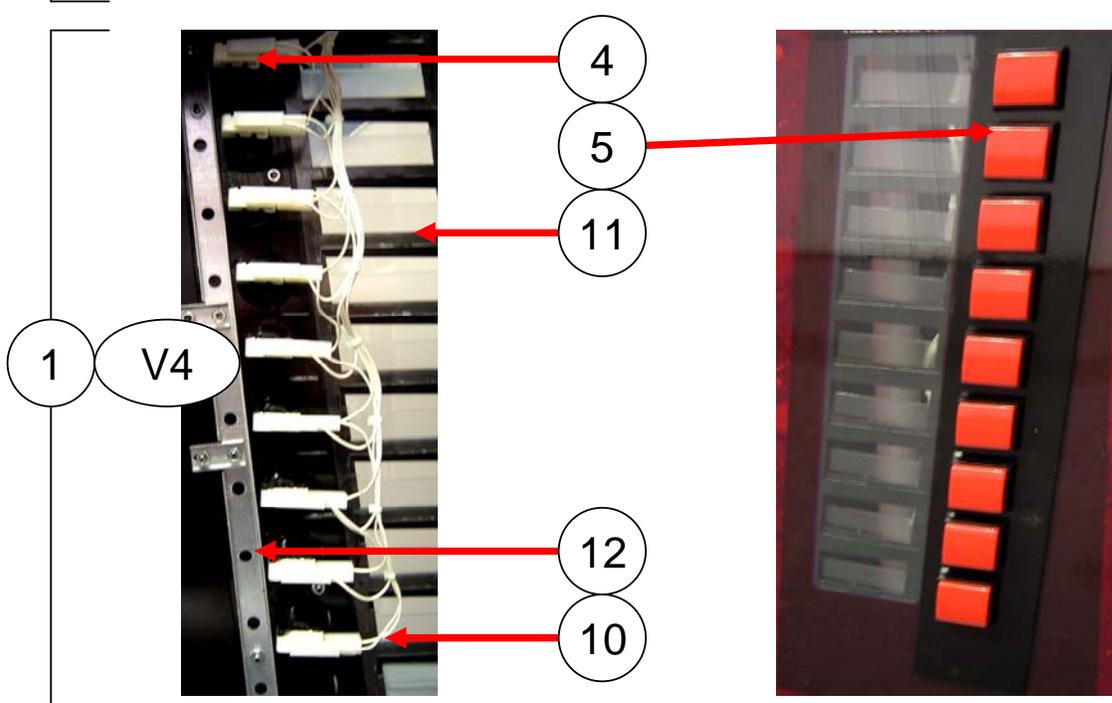
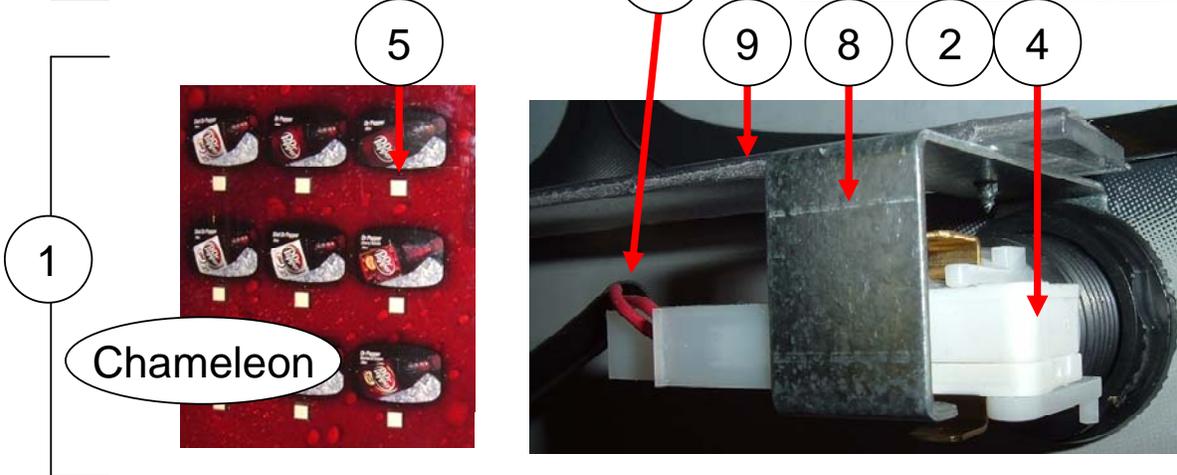
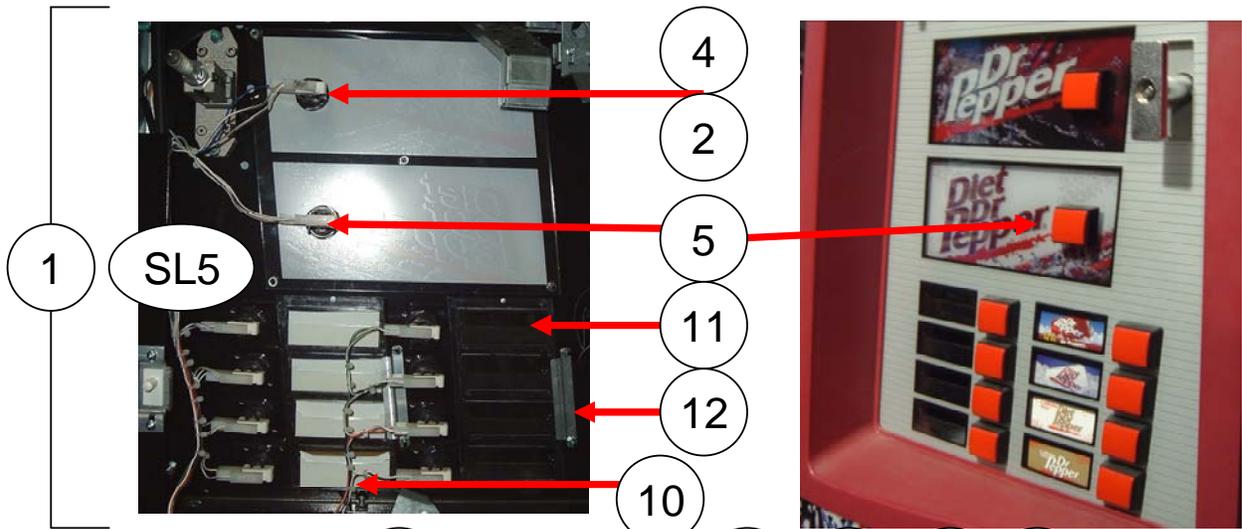
Part numbers & descriptions are subject to change with out notice.  
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<b>MAIN DOOR INTERIOR (B) MISCELLANEOUS</b>			
18	Carriage Bolt, ¼ 20 x 3/4	800,202,47x.x1	SAME
19	Hex nut ¼ 20	800,801,57x.x1	SAME
20	Screw, 8-18x1/2 SD Phil Pan	800,304,18x.x1	SAME
21	Screw, 8-32x1/4 Phil Pan	800,304,34x.x1	SAME
22	Screw, 8-18x1/2 Phil Pan Sems	800,304,09x.x1	SAME
23	Screw, 6-32 3/8 Phil Pan Swageform	800,304,25x.x1	SAME
24	Screw, 8-32x3/8 Type 1, Hex Washer	800,304,38x.x1	SAME
25	Screw, 8-18x1/2 Phil Pan Sems	800,304,23x.x1	SAME
26	Hex Nut 8-32	800,801,54x.x1	SAME
27	Bushing, .50IDx.625 097 Chassis	801,903,75x.x1	SAME
28	Pin, Roller 5/32x2-3/8	800,503,78x.x1	SAME
29	Retainer, Roller Pin	900,900,90x.x1	SAME
30	Spring, Extension	901,700,63x.x1	SAME
31	Label, Precaution Access Door	803,833,04x.x1	SAME
32	Label, Coin Return Tie	803,846,24x.x1	SAME
33	Clamp, Cable 1"	901,901,89x.x1	SAME
34	Washer, Door Hinge	800,701,73x.x1	SAME
35	Washer, .260IDx.687OD Flat	900,701,22x.x1	SAME
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SELECT PANEL



SELECT PANEL – CONTINUED DR PEPPER



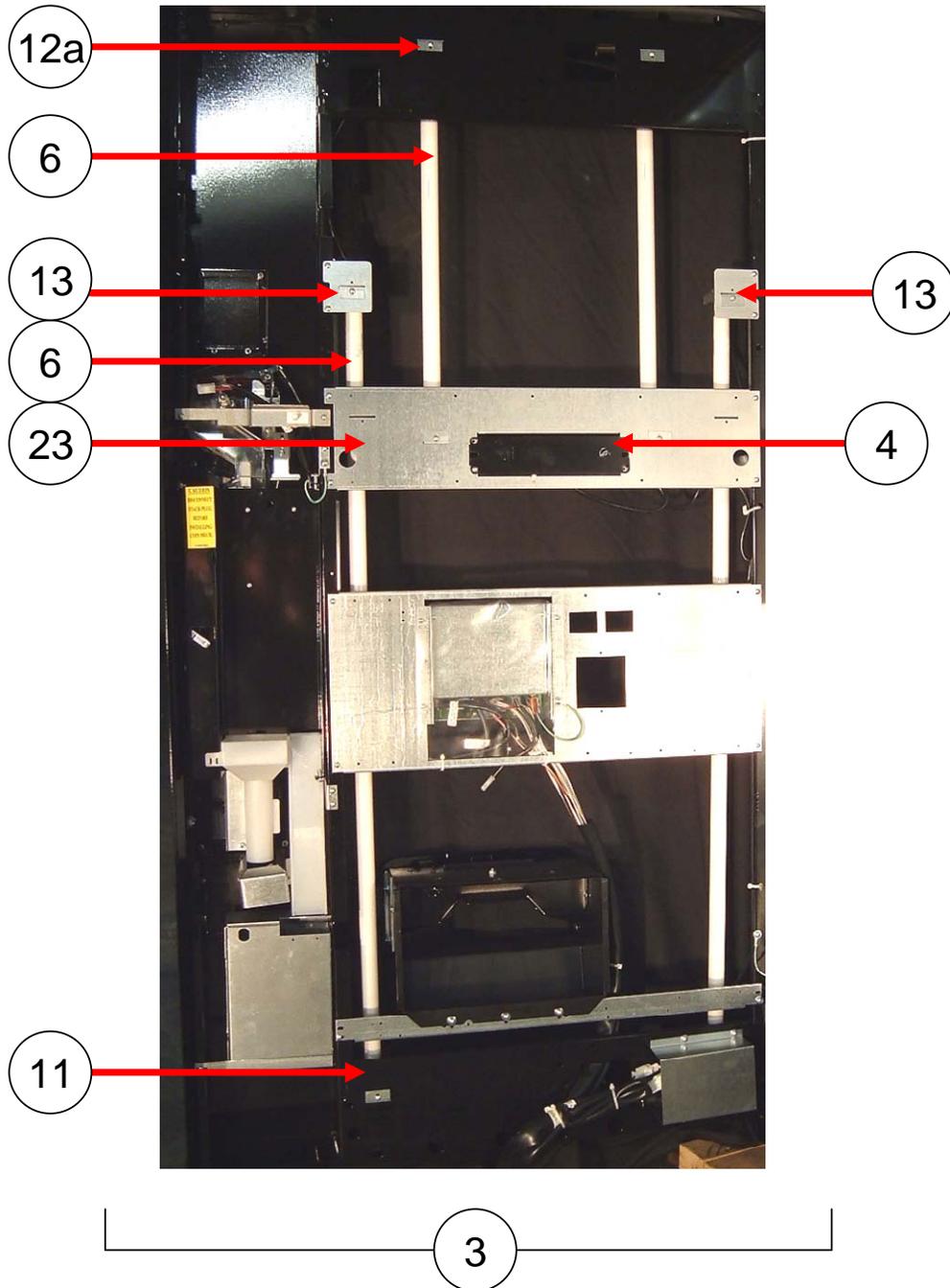
SELECT PANEL			
ITEM	PART DESCRIPTION	DN504P	DN720P
1	Select Panel Assembly		
	Generic Round, Magnum Circular - Export	594,054,30x.x3	594,054,00x.x3
	Dual Display	640,053,90x.x3	639,054,80x.x3
	DP V4	640,053,40x.x3	639,054,20x.x3
	DP V4 Chameleon	NA	639,056,80x.x4
	DP SL5	NA	634,052,10x.x3
1a	Weld Assembly Select Panel - Not Shown		
	Generic Round	594,055,00x.x3	594,052,30x.x3
	Dual Display	616,050,01x.x3	639,050,26x.x3
	DP V4	619,050,00x.x3	604,055,60x.x3
	DP SL5	NA	634,053,70x.x3
2	Select Switch		
	Generic Round - Membrane	804,913,01x.x1	804,912,84x.x1
	Dual Display, DP V4, DP V4 Chameleon, DP SL5	804,100,74x.x1	SAME
3	Assembly, Chassis & Stud		
	Generic Round	594,054,70x.x3	594,054,60x.x3
4	Switch Holder Assembly (includes switch)		
	Dual Display, DP V4, DP V4 Chameleon	801,808,86x.x1	SAME
5	Select Button		
	Generic Round, Magnum Circular - Membrane	801,809,24x.x1	SAME
	Dual Display	801,903,02x.x1	
	DP V4	801,809,41x.x1	SAME
	DP V4 Chameleon	NA	805,202,92x.x1
	DP SL5	NA	801,809,41x.x1
6	Keypad, 5 Position		
	Generic Round	801,809,26x.x1	SAME
7	Select Panel Cover		
	Dual Display	602,050,16x.x3	601,050,16x.x3
8	Select Button Bracket		
	DP V4	619,050,14x.x3	604,050,91x.x3
	DP V4 Chameleon (9)	NA	800,102,82x.x1
9	Sign Brace		
	DP V4 Chameleon (3)	NA	801,603,13x.x1
10	Harness, Door		
	Generic Round, Magnum Circular – Membrane (board to Membrane)	804,921,13x.x1	SAME
	Dual Display	804,912,95x.x1	804,924,64x.x1
	DP V4	804,912,76x.x1	804,912,66x.x1
	DP V4 Chameleon	NA	804,927,66x.x1
	DP SL5	NA	804,920,47x.x1
11	Flavor Card Carrier		
	DP V4 Only	801,810,40x.x1	801,809,44x.x1
	DP SL5	NA	801,816,04x.x1
12	Flavor Card Carrier Retainer		
	DP SL5	NA	634,050,76x.x3

Part numbers & descriptions are subject to change with out notice.

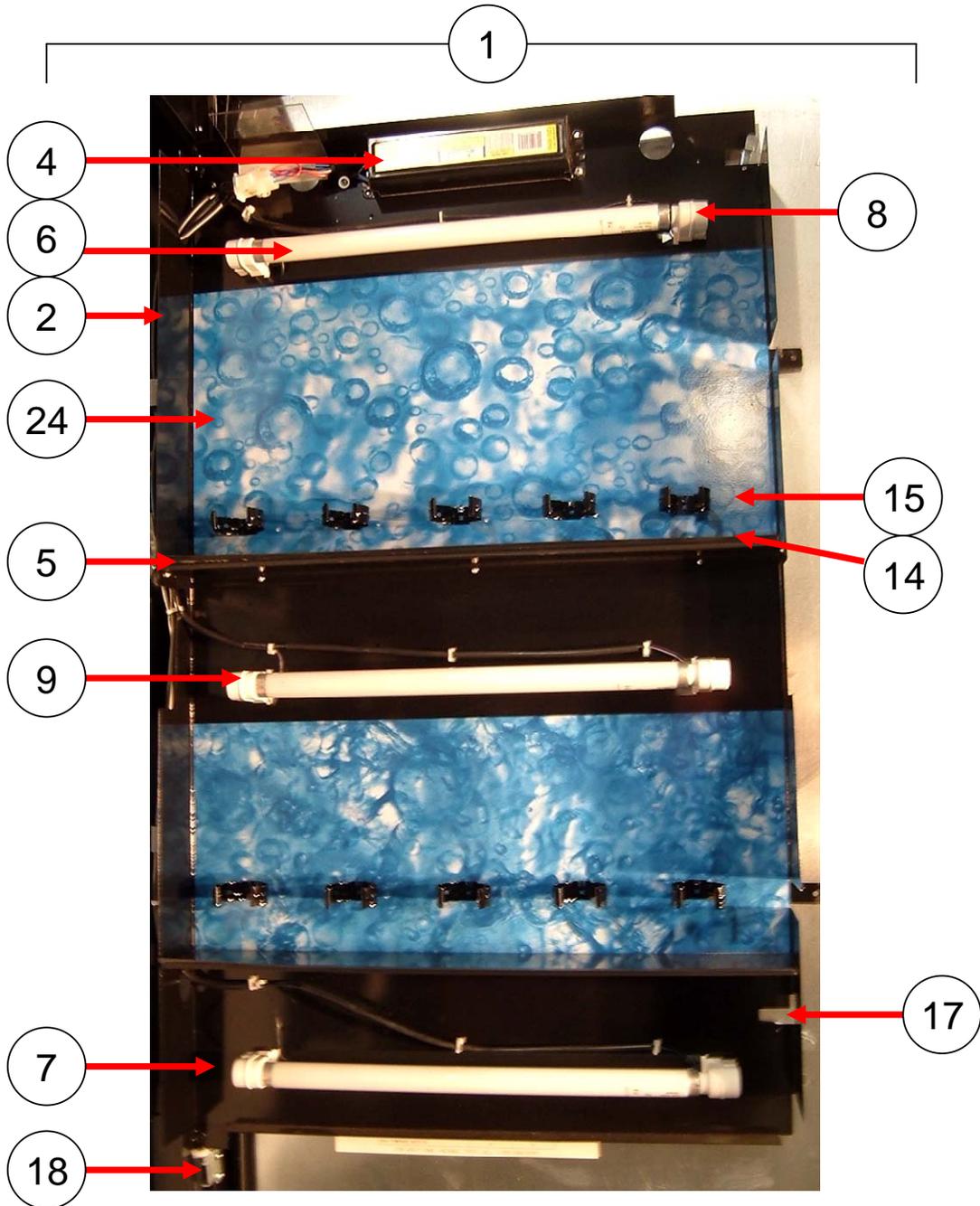
NA = Not applicable TBD = To be determined RB = Replaced by

<b>SELECT PANEL CONTINUED</b>			
<b>ITEM</b>	<b>PART DESCRIPTION</b>	<b>DN504P</b>	<b>DN720P</b>
13	Back Up Lens		
	DP SL5	NA	801,904,36x.x1
14	Rain Shelf, Selection Panel		
	DP V4	639,070,77x.x3	SAME
	DP V4 Chameleon	NA	639,050,38x.x3
15	Strap, Selection Panel		
	DP V4, DP V4 Chameleon	604,050,92x.x3	SAME
16	Nut, Selection Button		
	Generic Round	800,801,54x.x1	SAME
	Dual Display, DP V4, DP SL5	801,807,99x.x1	SAME
17	Retainer, Selection Button		
	DP V4	801,809,96x.x1	SAME
18	Selection Button Lens		
	Dual Display	801,808,93x.x1	SAME
19	Flavor Strip Arrows		
	Dual Display	903,855,46x.x1	SAME
20	POS Lens Gasket		
	DP SL5	NA	802,001,29x.x1
21	Bracket, Retainer Transaction Panel		
	DP SL5	NA	634,050,48x.x3
22	Panel, Back Up Transaction		
	DP SL5	NA	634,050,74x.x3
<b>SELECTION PANEL MISCELLANEOUS</b>			
23	Standoff, .187 x .312 x .625	901,001,44x.x1	SAME
24	Hex Nut # 8 -32	800,801,54x.x1	SAME
25	Screw, 6-20x11/32 (9)	800,305,28x.x1	SAME
26	Rivet, Black Snap (21)	801,904,95x.x1	SAME
27	Clamp, Nylon 1/2"	900,901,80x.x1	SAME
Part numbers & descriptions are subject to change with out notice. NA = Not applicable TBD = To be determined RB = Replaced by			

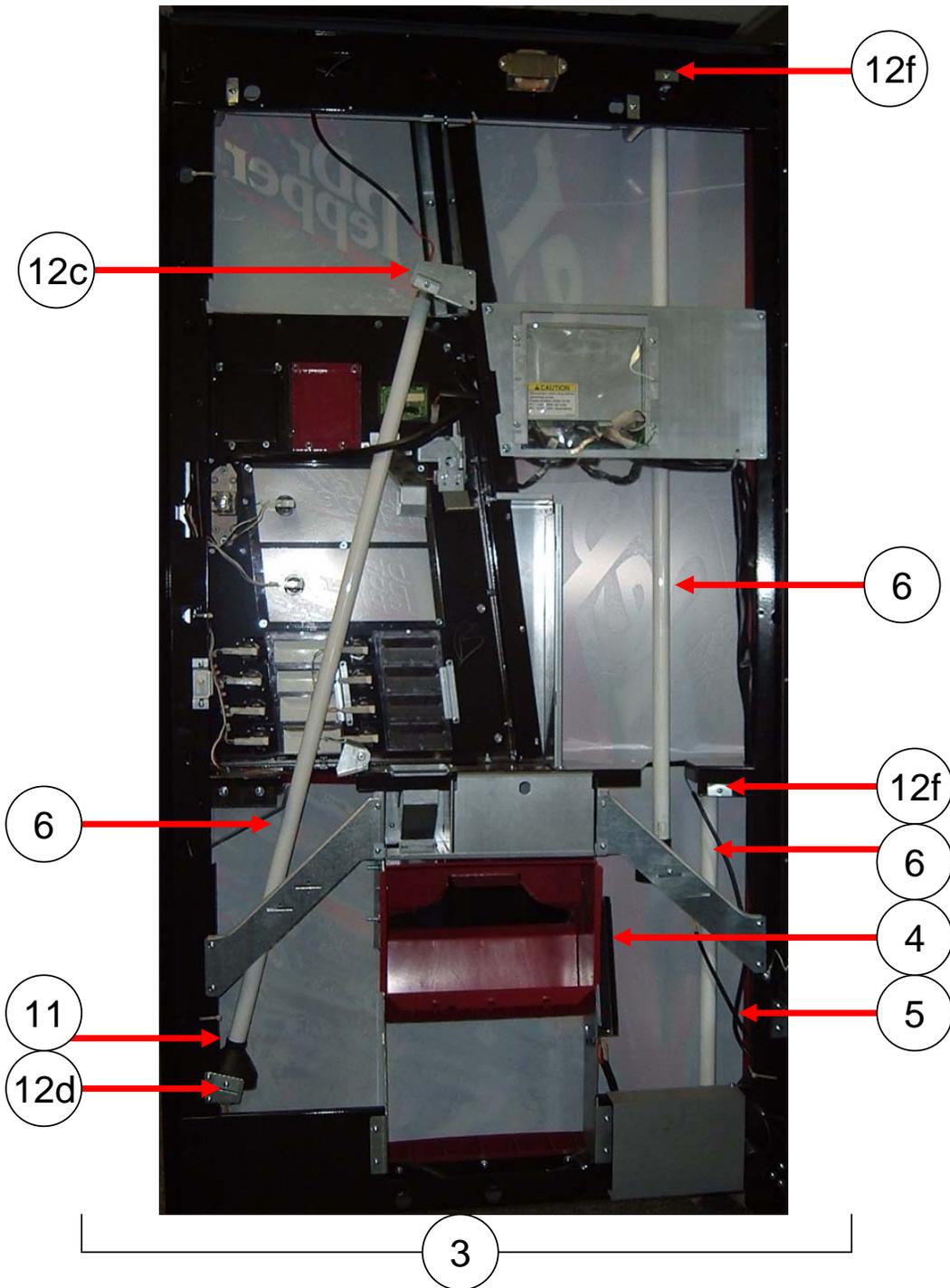
**T-8 LIGHTING**  
**(Generic Round / Magnum Circular)**



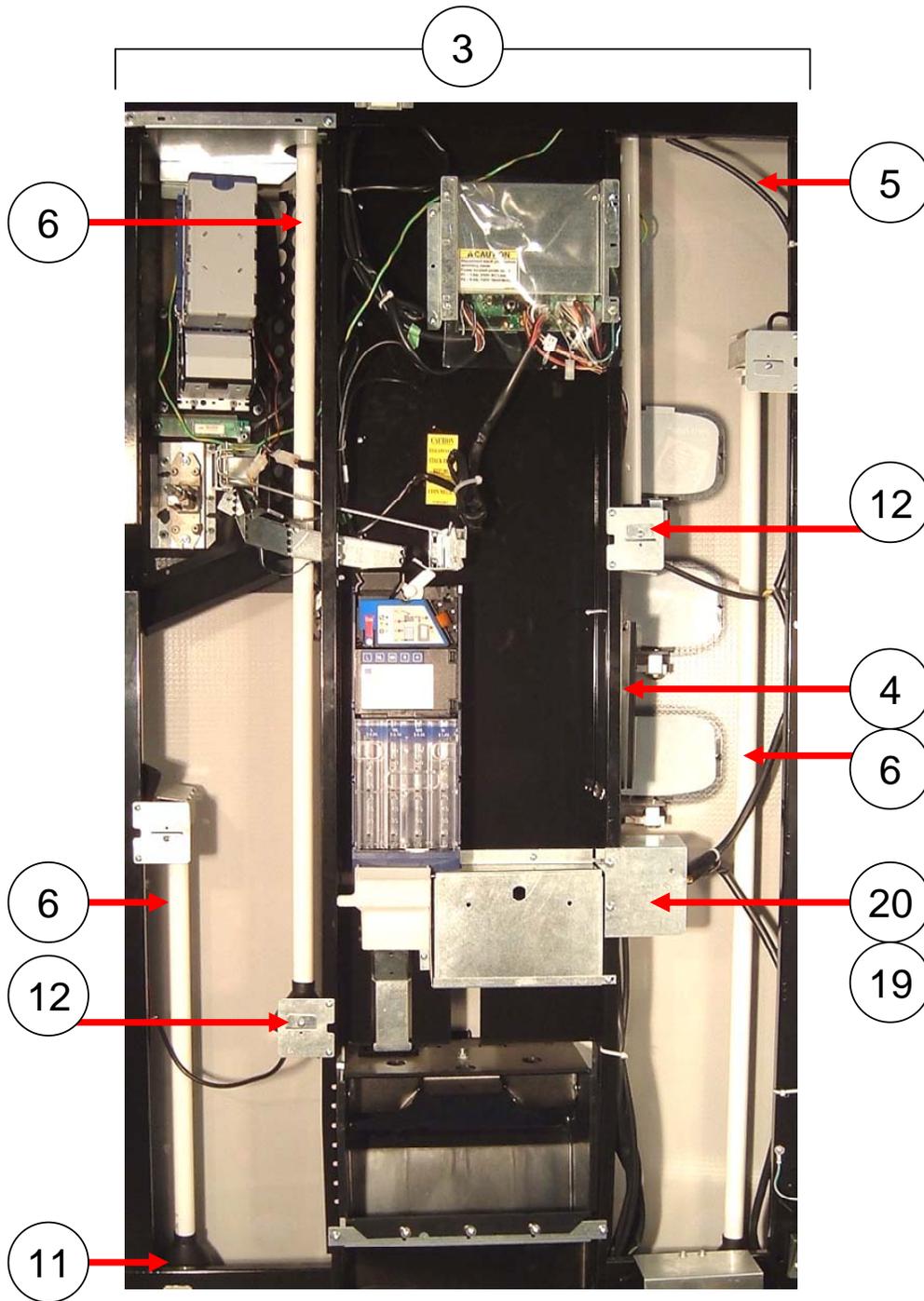
T-8 LIGHTING – CONTINUED  
(Dual Display)



T-8 LIGHTING – CONTINUED  
(DP SL5)



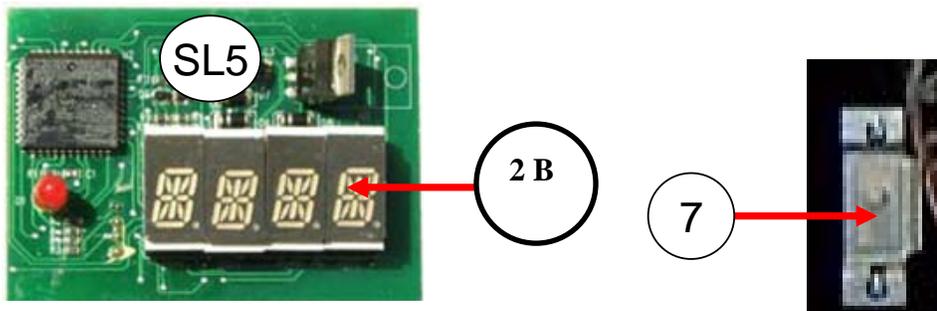
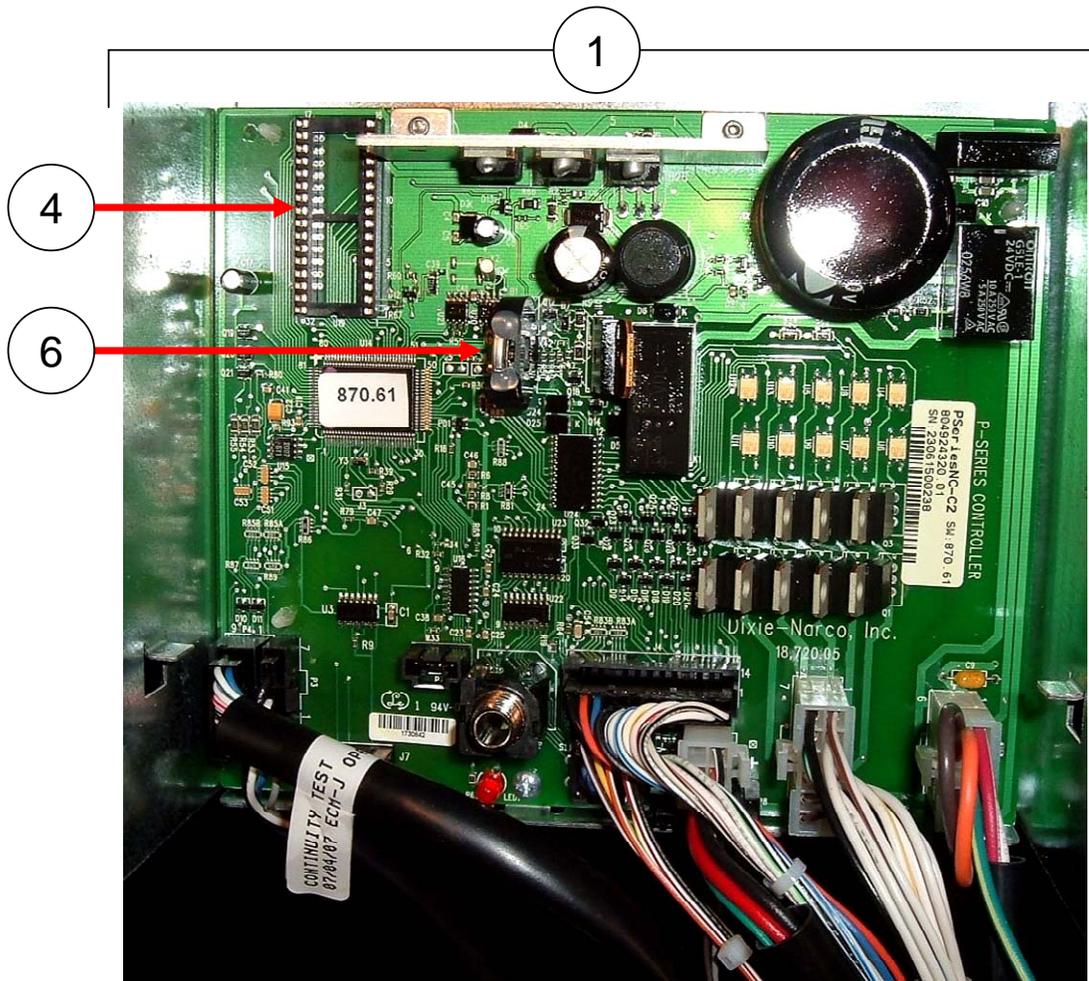
T-8 LIGHTING – CONTINUED  
(DP V4 Chameleon)



T8 LIGHTING			
ITEM	PART DESCRIPTION	DN504P	DN720P
1	Lamp and Shelf Assembly		
	Dual Display	640,052,50x.x3	639,054,90x.x3
2	Lamp and Shelf, Weld Assembly		
	Dual Display	616,050,50x.x3	548,154,00x.x3
3	T8 Light Assembly		
	Generic Round	640,051,40x.x3	639,051,40x.x3
	DP V4, DP V4 Chameleon	NA	639,053,80x.x3
	DP SL5	NA	634,054,70x.x3
	Magnum Circular - Export	640,054,30x.x3	
4	Ballast T8		
	Generic Round, DP V4, DP V4 Chameleon, DP SL5	804,400,61x.x1	SAME
	Dual Display	804,400,71x.x1	804,400,66x.x1
	Magnum Circular - Export	804,401,22x.x1	
	Ballast Enclosure		
	Magnum Circular - Export	639,050,31x.x3	SAME
	Ballast Cover		
	Magnum Circular - Export	640,050,31x.x3	639,050,32x.x3
5	T8 Lighting Harness (Not Shown)		
	Generic Round	804,918,34x.x1	804,918,54x.x1
	Dual Display	804,921,60x.x1	804,921,61x.x1
	DP V4, DP V4 Chameleon	804,924,56x.x1	804,924,56x.x1
	DP SL5	NA	804,920,61x.x1
	Magnum Circular - Export	804,924,57x.x1	SAME
6	T8 Lamp		
	All except Dual Display 4' (2)	804,700,76x.x1	SAME
	All except Dual Display 2' (2)	804,700,77x.x1	SAME
	Dual Display 18"	804,700,81x.x1	804,700,89x.x1
	Magnum Circular - Export	804,700,83x.x1	SAME
7	Optional Third Lamp Kit		
	Dual Display	NA	601,050,12x.x4
8	Top Lampholder T8 Leviton 518		
	All	804,918,58x.x1	SAME
9	Bottom Lampholder T8 Leviton 519		
	All except Narrow Display	804,918,59x.x1	SAME
	Dual Display	804,920,65x.x1	804,918,59x.x1
11	Fluorescent Lamp Boot		
	Generic Round, Magnum Circular, DP V4, DP V4 Chameleon, DP SL5	802,001,44x.x1	SAME
	Export	802,001,44x.x1	SAME
12	Bracket, Lamp Socket (was 56205004xx3)		
a	Generic Round, Magnum Circular	432,050,38x.x3	SAME
b	DP V4, DP V4 Chameleon	639,050,22x.x3	SAME
c	DP SL5 - Right	NA	634,050,71x.x3
d	DP SL5 - Left	NA	634,050,89x.x3
e	DP SL5 - Short	NA	634,050,73x.x3
f	DP SL5- Door	NA	432,050,38x.x3
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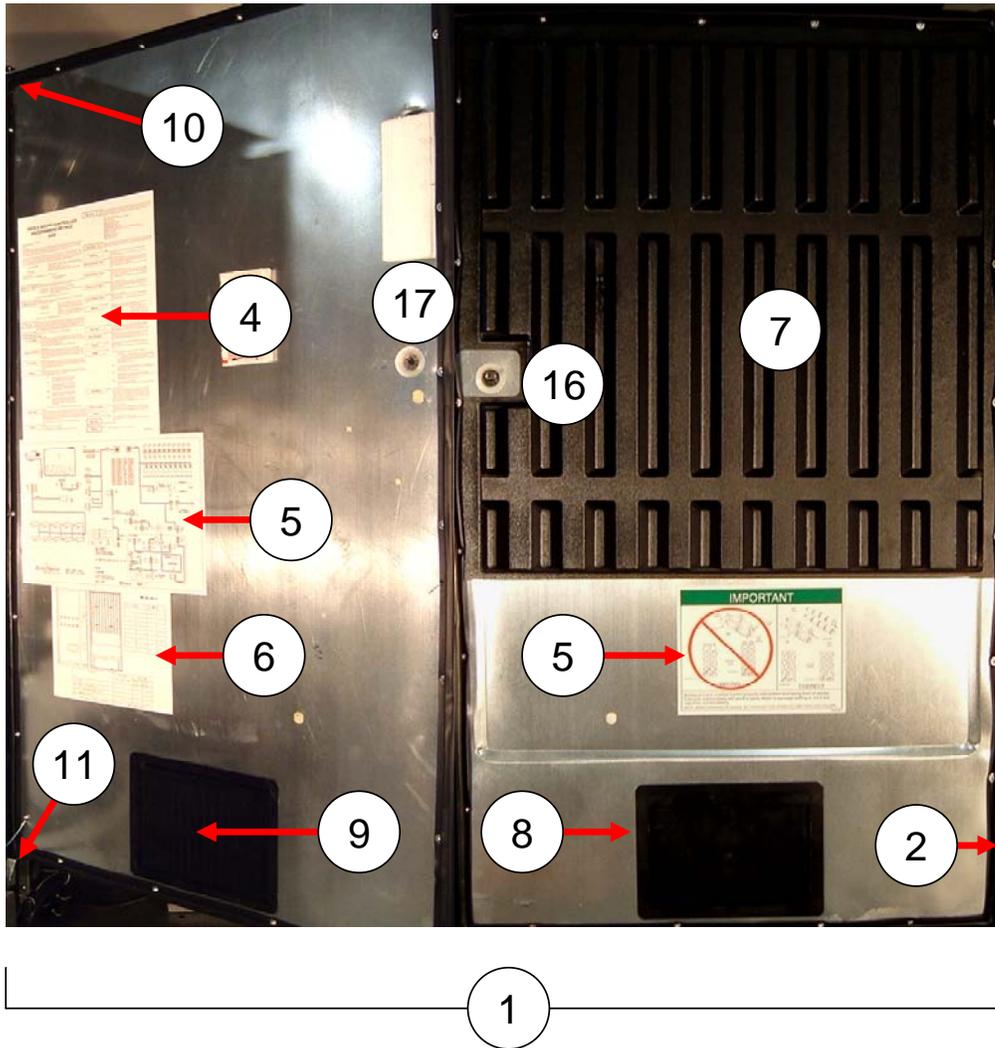
T8 LIGHTING CONTINUED			
ITEM	PART DESCRIPTION	DN504P	DN720P
13	Lamp Bracket Plate		
	Generic Round	805,701,71x.x1	SAME
	Magnum Circular - Export	562,050,04x.x3	SAME
	Bottom, Magnum Circular - Export	639,053,30x.x3	SAME
14	Rain Diverter		
	Dual Display	801,808,96x.x1	801,818,77x.x1
15	Package Retainer		
	Dual Display	801,304,84x.x1	SAME
16	Wire Saddle Retainer		
	Dual Display	801,903,01x.x1	SAME
17	Lamp Panel Latch		
	Dual Display (2)	801,304,53x.x1	SAME
18	Bottom Hinge Bracket		
	Dual Display	601,050,18x.x3	SAME
	DP SL5 (2)	NA	631,001,26x.x3
19	Choke		
	Dual Display	639,052,80x.x3	SAME
	DP V4, DP V4 Chameleon	804,926,92x.x1	SAME
	DP SL5	NA	804,926,93x.x1
20	Choke Cover		
	DP V4 Chameleon	640,050,27x.x3	639,050,34x.x3
	DP SL5	NA	640,050,08x.x3
21	Choke Harness		
	DP SL5	NA	804,921,11x.x1
22	Spring Clip 1.125"		
	Dual Display	800,903,54x.x1	NA
23	Stiffener, Upper		
	Generic Round	640,050,18x.x3	609,071,06x.03
24	Decals		
	Top Display Shelf, Blue	NA	803,865,32x.x1
	Bottom Dual Display Shelf, Blue	NA	803,865,31x.x1
MAIN DOOR EXTERIOR - MISCELLANEOUS			
25	Label, Flourescent Lamp	803,870,05x.x1	NA
26	Screw, 10-32x1 1/4 Type F	800,304,28x.x1	SAME
27	Screw, 8-32x3/8 Type 1	800,304,22x.x1	SAME
28	Clamp, Cable Nylon, 3/8"	900,902,43x.x1	SAME
29	Clip, Harness	801,807,49x.x1	SAME
30	Bushing, Split 1 1/4"	802,001,57x.x1	SAME
31	Bushing, Split 7/8"	801,903,03x.x1	SAME
32	Grommet, Caterpillar	801,809,93x.x1	SAME
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ELECTRONIC COMPONENTS



ELECTRONIC COMPONENTS			
ITEM	PART DESCRIPTION	DN504P	DN720P
1	Control Board Assembly SBC		
	All	640,010,10x.x3	SAME
2	Display Board 14 Segment		
2A	All except DP SL5 (was 80491096xx1)	804,925,15x.x1	SAME
2B	DP SL5	NA	804,925,16x.x1
3	Controller Cover - Not Shown	801,306,16x.x1	SAME
4	EPROM	804,920,87x.x1	SAME
5	Rain Curtain, Control Board - Not Shown	801,904,23x.x1	SAME
6	Battery, 3V Lithium (CR2032)	804,920,45x.x1	SAME
7	Door Switch	804,100,77x.x1	SAME
8	Gasket, Display		
	DP SL5	NA	802,001,28x.x1
9	Transformer	804,925,96x.x1	804,926,90x.x1
10	Fuse 1.6 Amp	804,800,71x.x1	NA
	Fuse 1.0 Amp	NA	804,925,49x.x1
11	Relay Board Assembly, AC Dist. Box	804,925,27x.x1	804,925,28x.x1
Part numbers & descriptions are subject to change with out notice. NA = Not applicable TBD = To be determined RB = Replaced by			

INNER DOOR ASSEMBLY

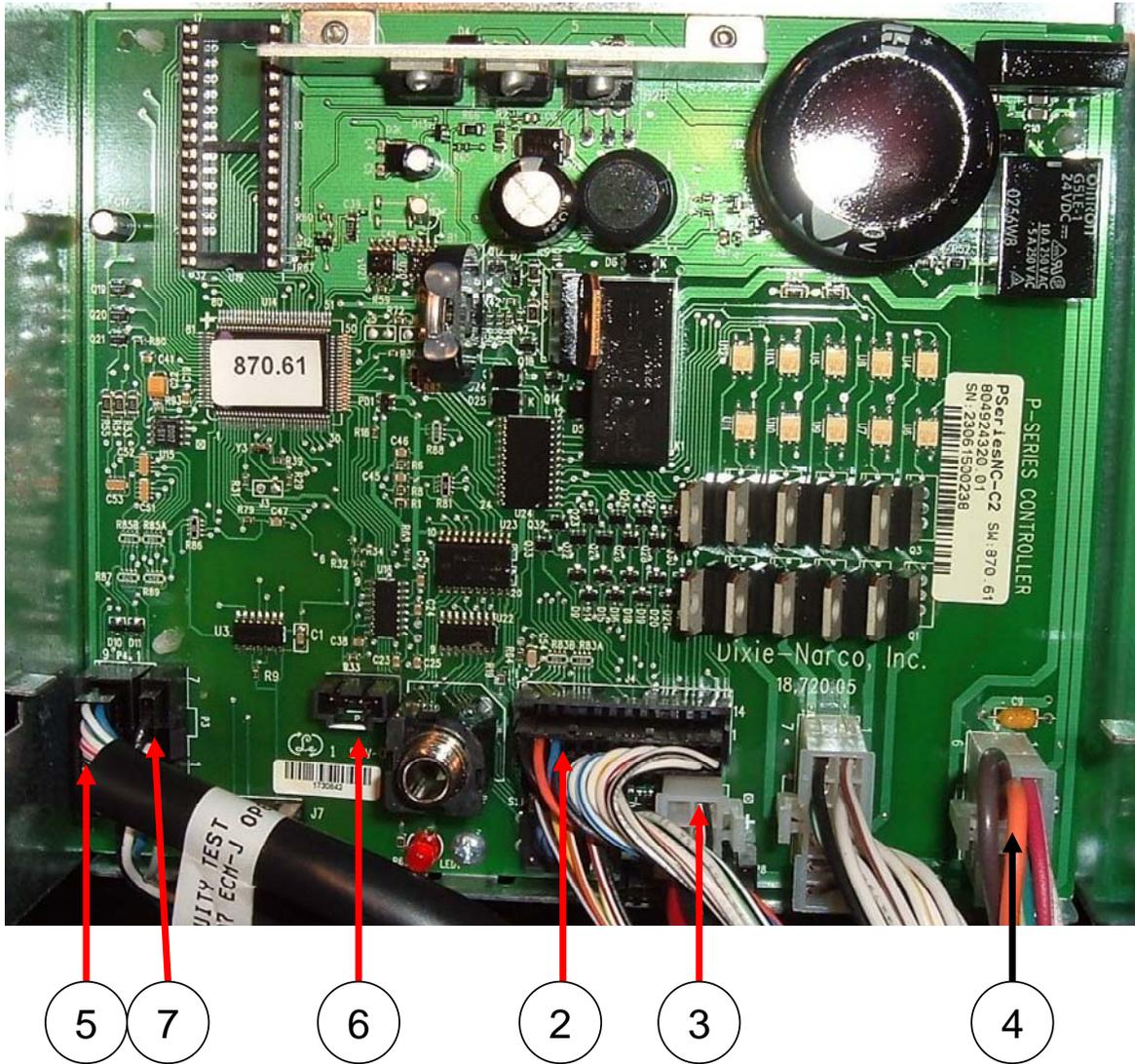


INNER DOOR			
ITEM	PART DESCRIPTION	DN504P	DN720P
1	Inner Door Assembly		
	Generic Round, Dual Display	640,052,90x.x3	639,053,10x.x3
	DP V4, DP V4 Chameleon	640,053,10x.x3	639,053,40x.x3
	DP SL5	NA	634,054,90x.x3
	Magnum Circular - Export	640,052,90x.x3	639,055,80x.x3
2	Inner Door Gasket		
	All	801,819,05x.x1	801,819,04x.x1
3	Sub Assembly Inner Door		
	Generic Round, Dual Display	640,050,50x.x3	639,050,10x.x3
	DP V4	640,052,00x.x3	639,051,90x.x3
	DP SL5	NA	634,054,50x.x3
	Magnum Circular - Export	640,050,50x.x3	639,053,60x.x3
4	Label, Programming		
	All	803,870,25x.x1	SAME
5	Loading Instruction		
	All	803,881,63x.x1	SAME
	Magnum Circular - Export	803,881,63x.x1	803,872,33x.x1
6	Wiring Diagram		
	Generic Round	NA	803,881,73x.x1
	Dual Display	803,881,69x.x1	803,881,71x.x1
	DP V4	803,880,64x.x1	803,880,62x.x1
	DP V4 Chameleon	NA	803,886,48x.x1
	DP SL5	NA	803,882,22x.x1
	Magnum Circular - Export	803,882,11x.x1	803,882,56x.x1
7	Label, Button/Stack		
	Generic Round	803,871,36x.x1	803,881,37x.x1
	Dual Display	803,881,38x.x1	803,881,39x.x1
	DP V4	803,880,67x.x1	803,880,68x.x1
	DP V4 Chameleon	NA	803,886,41x.x1
	DP SL5	NA	803,882,31x.x1
	Magnum Circular - Export	803,881,36x.x1	803,881,37x.x1
8	Gate, Front Product Positioner		
	All except DP SL5	801,821,57x.x1	801,819,15x.x1
	DP SL5	NA	801,821,81x.x1
9	Discharge Frame Retainer		
	All	801,809,15x.x1	SAME
10	Assembly, Discharge Frame		
	All	801,809,16x.x1	SAME
11a	Assembly, Discharge Door		
	All	801,809,17x.x1	SAME
11b	Frame, Discharge		
	All	801,809,14x.x1	SAME
11c	Rod, Hinge (Not Shown)		
	All	801,401,70x.x1	SAME
12	Inner Door, Top Hinge, Weld Assembly		
	All	169,053,00x.x3	SAME
13	Inner Door, Bottom Hinge, Weld Assembly		
	All	169,051,10x.x3	SAME

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<b>INNER DOOR</b>			
<b>ITEM</b>	<b>PART DESCRIPTION</b>	<b>DN504P</b>	<b>DN720P</b>
14	Carriage Bolt 1/4-20x1/4	800,202,43x.x1	SAME
15	Screw, SD Phil Pan Sems	800,304,23x.x1	SAME
16	Inner Door Bushing (Bearing)	801,806,42x.x1	SAME
17	Bushing Retainer	801,806,43x.x1	SAME
18	Plastic Bearing (Not Shown)	901,803,71x.x1	SAME
19	Inner Door Lock Kit	631,151,20x.x4	SAME
20	Screw, 10-32x1/2 Machine Truss (4)	800,202,52x.x1	SAME
21	Nut, KEPS #10-32 (4)	800,801,56x.x1	SAME
22	Knob, Pull	NA	901,501,70x.x1
23	Bolt, Carriage 1/4-20x1 1/14	NA	800,202,43x.x1
Part numbers & descriptions are subject to change with out notice. NA = Not applicable TBD = To be determined RB = Replaced by			

# HARNESSING Single Board Controller



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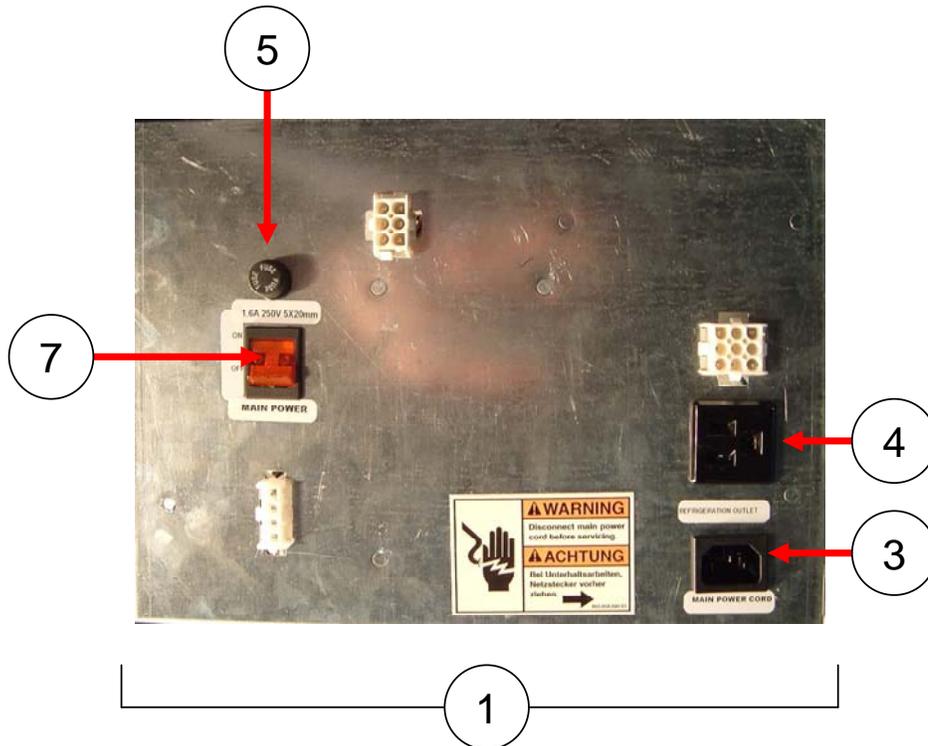
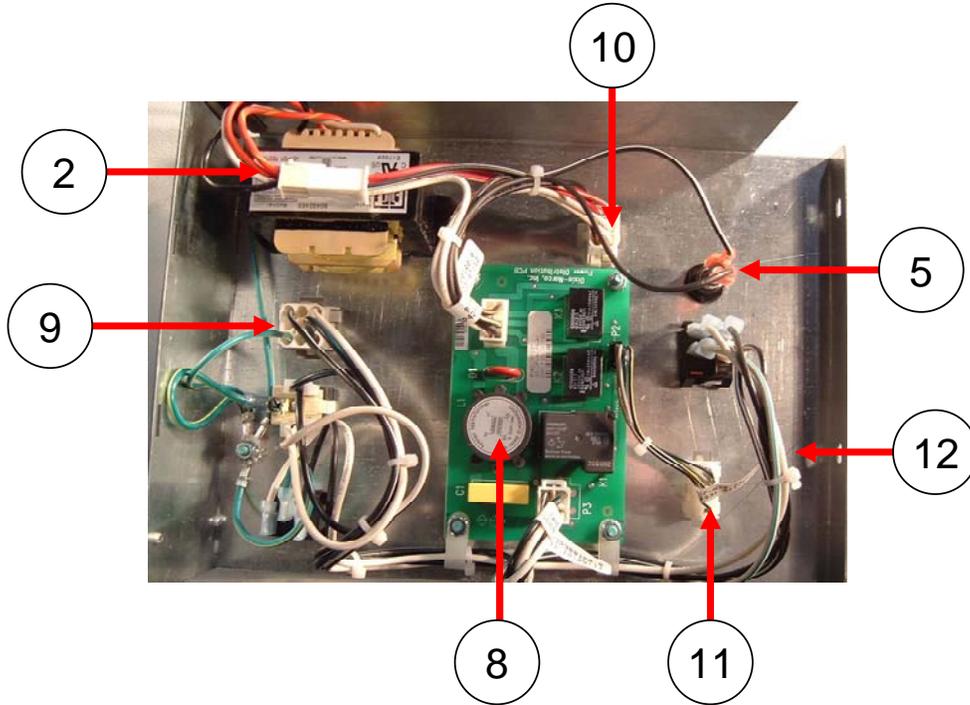
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**PARTS LIST**

**P-SERIES**

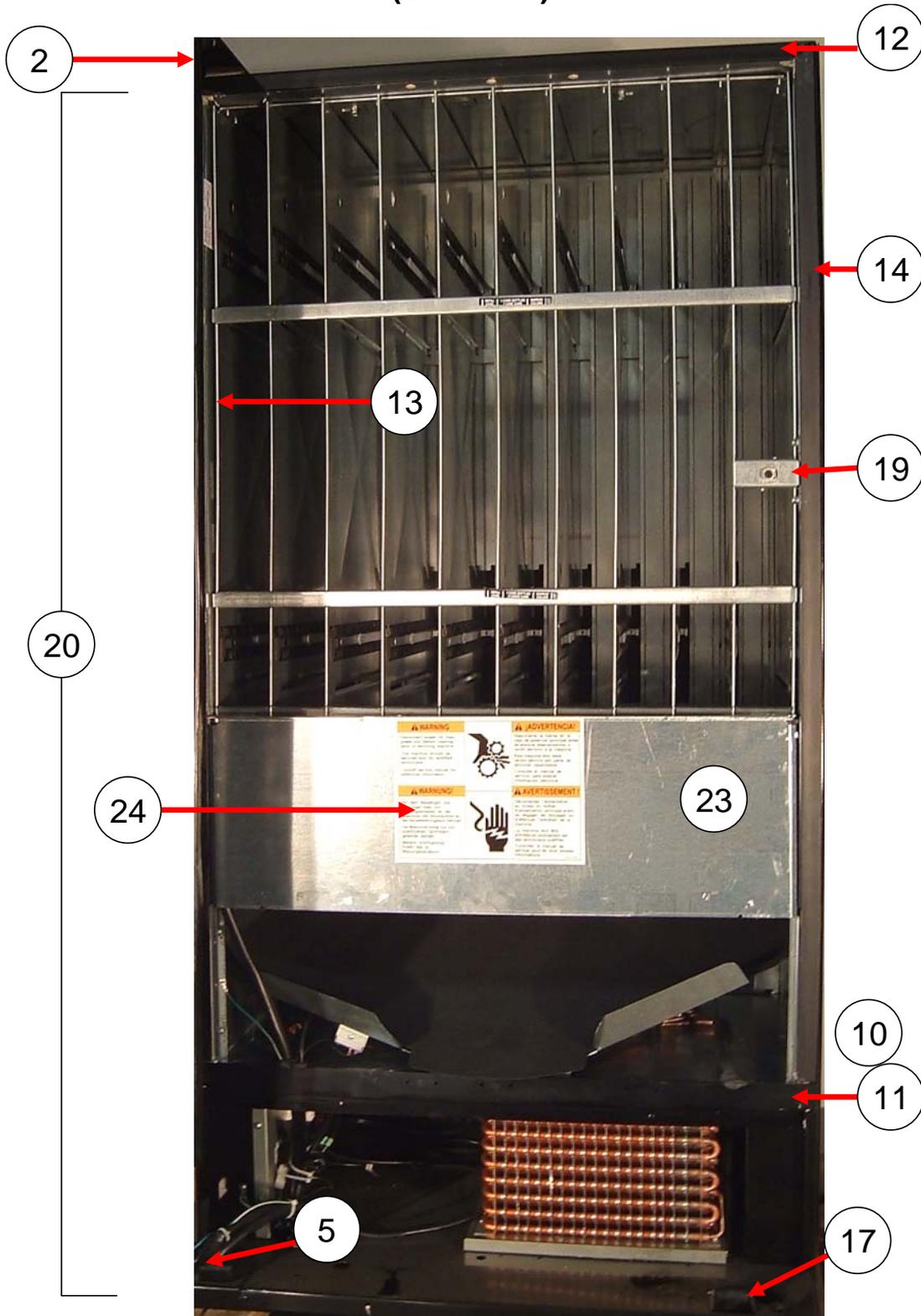
<b>HARNESSING Single Board (SBC)</b>			
<b>ITEM</b>	<b>PART DESCRIPTION</b>	<b>DN504P</b>	<b>DN720P</b>
1	Motor Harness (Stack)		
	All	000410	000596
2	Harness, P-Series Door		
	All except Generic Round	804,926,38x.x1	SAME
	Generic Round	804,926,36x.x1	SAME
3	Harness, MDB		
	All except DP SL5	804,919,58x.x1	SAME
	DP SL5	NA	804,920,83x.x1
4	Harness, AC Distribution (Door side)		
	Dual Display	804,924,12x.x1	SAME
	Generic Round, Magnum Circular	804,923,80x.x1	SAME
	DP V4	804,924,66x.x1	SAME
	DP SL5	NA	804,923,81x.x1
5	Harness, Selection Panel		
	Generic Round, Magnum Circular - Membrane	804,921,13x.x1	SAME
	Dual Display	804,912,95x.x1	804,924,64x.x1
	DP V4	804,912,76x.x1	804,912,66x.x1
	DP V4 Chameleon	NA	804,927,66x.x1
	DP SL5	NA	804,920,47x.x1
6	66" DEX Harness		
	All	804,907,83x.x1	SAME
7	Display Harness (P3 to display board)		
	All except DP SL5	804,919,57x.x1	SAME
	DP SL5	NA	804,920,66x.x1
8	Secondary DEX Harness	804,913,97x.x1	SAME
9	MDB and Lock Power Harness (P7)	804,919,58x.x1	SAME
10	Extended Light Harness, AC Box	804,923,80x.x1	SAME
11	Nut, DEX Harness	800,801,65x.x1	SAME
	Power Cord, Detachable GFCI	804,926,51x.x1	SAME
Part numbers & descriptions are subject to change with out notice. NA = Not applicable TBD = To be determined RB = Replaced by			

POWER DISTRIBUTION



POWER DISTRIBUTION			
ITEM	PART DESCRIPTION	DOMESTIC	EXPORT
1	Power Distribution Box Assembly 115/60		
	All	639,030,90x.x3	639,030,60x.x3
2	Transformer	804,925,96x.x1	804,926,90x.x1
3	Power Inlet Plug	804,913,62x.x1	SAME
4	Refrigeration Outlet	W662	804,911,14x.x1
5	Fuse Holder	804,925,46x.x1	SAME
6	Fuse		
	1.6A	804,800,71x.x1	NA
	1.0A	NA	804,925,49x.x1
7	Rocker Switch, Illuminated		
	Amber	804,101,18x.x1	NA
	Green - Export	NA	80410112001
8	Relay Board Assembly, AC Distribution	804,925,27x.x1	804,925,28x.x1
9	AC Input Harness	804,923,23x.x1	SAME
10	AC Outlet Harness	804,923,24x.x1	SAME
11	Power Distribution Relay Harness	804,923,25x.x1	SAME
12	AC Distribution Harness (Cabinet side)		
	All except DP SL5	804,923,26x.x1	NA
	DP SL5	804,923,81x.x1	NA
13	Bracket, Mounting Power Dist Box		
	All	639,030,08x.x3	SAME
14	Filter, EMI Schaffner FN2080-10	NA	804,800,96x.x1
15	Harness, to Filter	NA	804,923,43x.x1
16	Harness, from Filter	NA	804,923,44x.x1
17	Switch, 3-Position Rotary	NA	804,916,93x.x1
18	Harness, PI Switch Assembly	NA	804,925,35x.x1
19	Plate, Support PI Switch	639,030,11x.x3	
20	Power Cord, Detachable GFCI	804,926,51x.x1	NA
21	Power Cord, Schuko Export	NA	804,923,48x.x1
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### CABINET AND VEND MECHANISM (Section 1)

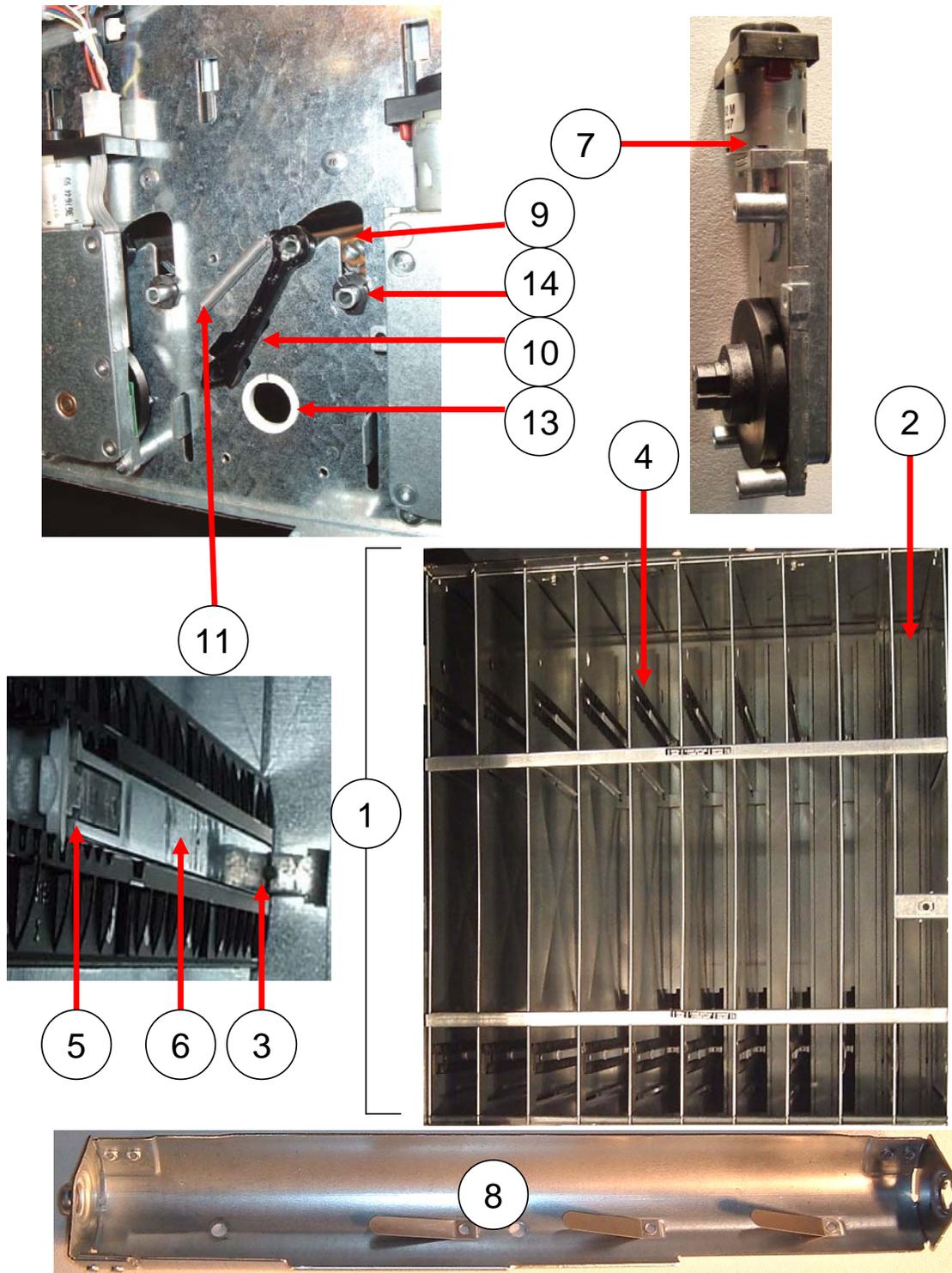


<b>CABINET AND VEND MECHANISM (Section 1)</b>			
<b>ITEM</b>	<b>PART DESCRIPTION</b>	<b>DN504P</b>	<b>DN720P</b>
1	Cover, Hinge Pocket	631,051,07x.x3	SAME
2	Weld assembly Top Hinge (Main Door)		
	Generic Round, Dual Display	631,051,12x.x3	SAME
	DP V4, DP V4 Chameleon	631,051,09x.x3	
3	Door Hinge Kit		
	Generic Round, Dual Display, DP SL5	639,050,70x.x4	SAME
	DP V4, DP V4 Chameleon	609,051,40x.x3	
4	Hinge, Spacer	169,000,15x.x3	SAME
5	Hinge, Bottom Assembly (Main Door)		
	All	631,152,40x.x3	SAME
6	Sleeve, bottom hinge	900,502,64x.x1	SAME
7	Block, Foam	903,300,77x.x1	SAME
8	Stack Supports (4)	651,070,02x.x3	SAME
9	Ingress Guard Assembly		
	All	640,071,40x.x3	639,076,00x.x3
10	Mullion	801,819,57x.x1	801,819,58x.x1
11	Mullion Cap	801,818,92x.x1	801,818,93x.x1
12	Breaker Strip - Top	493,020,06x.x3	491,020,17x.x3
13	Breaker Strip - Left	639,020,05x.x3	SAME
14	Breaker Strip - Right	639,020,09x.x3	SAME
15	Bearing, Hinge – Pin less	805,300,67x.x1	SAME
16	Roller, Main Door	901,806,20x.x1	SAME
17	Pin, Door Roller 5/32x2-3/8	800,503,78x.x1	SAME
18	Retainer, Door Roller Pin	900,900,90x.x1	SAME
19	Lock Housing Assembly		
	Generic Round, Magnum Circular, Dual Display, DP SL5	639,072,40x.x3	SAME
	DP V4, DP V4 Chameleon	639,072,50x.x3	SAME
20	Cabinet Assembly		
	Generic Round, Dual Display, DP V4, DP V4 Chameleon	639,060,30x.x3	651,060,70x.x3
	DP SL5	NA	651,061,00x.x3
21	Plate, Protective Left Side (Specify Color)	594,020,14x.x3	SAME
22	Plate, Protective Right Side Cabinet (Specify Color)	165,000,04x.x3	SAME
23	Assy, Vend Motor Cover	640,071,70x.x3	639,072,70x.x3
24	Label, Vend Motor Cover	803,871,19x.x1	SAME
<b>CABINET AND VEND MECHANISM MISCELLANEOUS</b>			
25	Bolt, Carriage ¼ - 20 x 1 ¼ (3)	800,202,43x.x1	SAME
26	Bolt, Carriage 5/16 – 18 x 1 ¼ (1)	800,202,54x.x1	SAME
27	Screw, Tap 1/4-20x1 Hex Type F	800,304,26x.x1	SAME
28	Screw, Phil Pan 8 – 18 x ½ (1)	800,304,18x.x1	SAME
29	Nut, Hex Jam 5/16 - 18	800,801,61x.x1	SAME
30	Leveling Leg, 5/8-11x2 1/16"	800,503,79x.x1	SAME
31	Side Decals		
	Dr Pepper Logo	803,882,53x.x1	SAME
	7up Splash 8/00	803,861,16x.x1	SAME
32	1/4 Drive Rivet	901,100,44x.x1	SAME
33	Rivet, 1/4" Aluminum	901,100,43x.x1	SAME
34	Hole Plug, Snap In - 1 ¼	801,819,69x.x1	SAME

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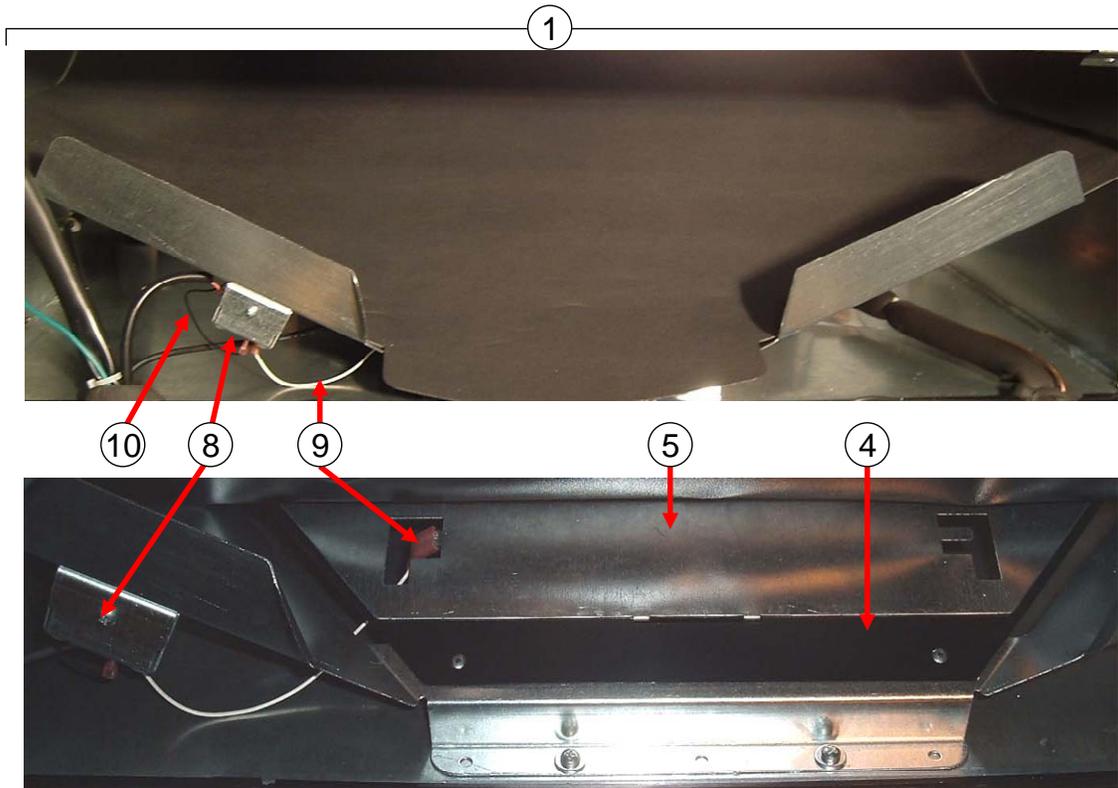
### CABINET AND VEND MECHANISM (Section 2)



<b>CABINET AND VEND MECHANISM (Section 2)</b>			
<b>ITEM</b>	<b>PART DESCRIPTION</b>	<b>DN504P</b>	<b>DN720P</b>
1	Stack Assembly	652,070,20x.x3	651,070,20x.x3
2	Assembly Rear Spacer Narrow	639,070,27x.x3	SAME
3	Bracket, Rear Spacer Narrow (2)	801,819,56x.x1	SAME
4	Guide, Channel Rear Spacer (2)	801,819,59x.x1	SAME
5	Latch, Rear Spacer (2)	801,819,61x.x1	SAME
6	Guide Arm Assembly (2)	805,202,57x.x1	SAME
7	Vend Motor - Narrow Column	804,501,63x.x1	SAME
8	Rotor	801,307,87x.x1	SAME
9	Load Bar - Steel	801,306,59x.x1	SAME
10	Push Arm	801,819,55x.x1	SAME
11	Push Arm Spring	801,701,51x.x1	SAME
12	Nyliner .312	801,819,53x.x1	SAME
13	Nyliner .750	801,819,52x.x1	SAME
14	Bushing, Load Bar .312	801,819,54x.x1	SAME
15	Screw, Phil Pan 8-32x1 (3)	800,304,92x.x1	SAME
16	Vend Motor Cover	640,071,70x.x3	639,072,70x.x3
17	Front Gate Extension		
	All	639,070,14x.x3	SAME
18	Air Baffle		
	All Wide	NA	639,070,68x.x3

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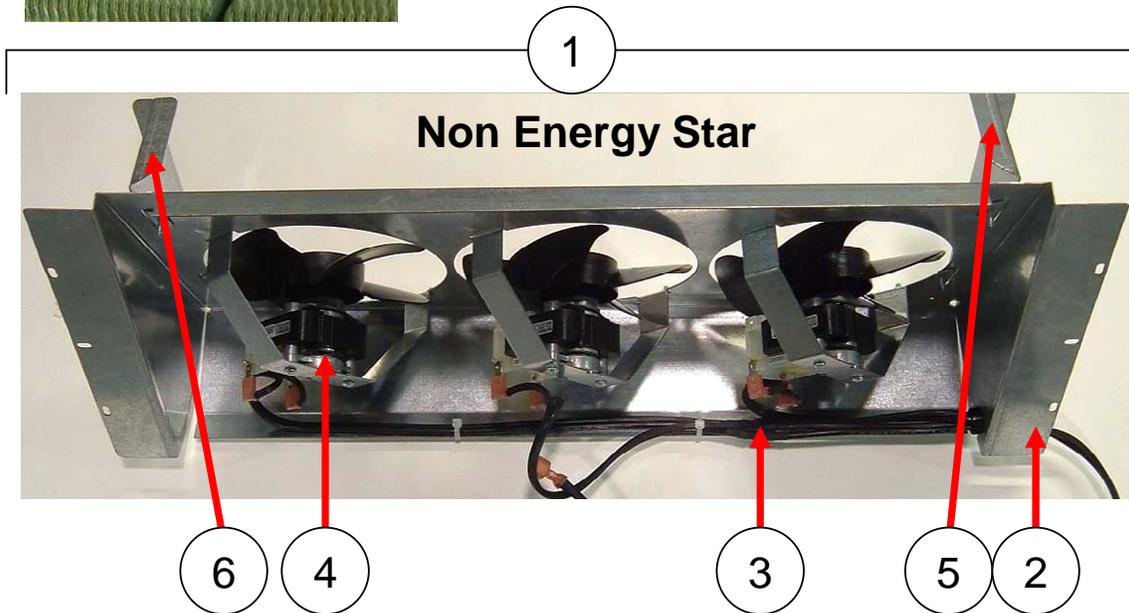
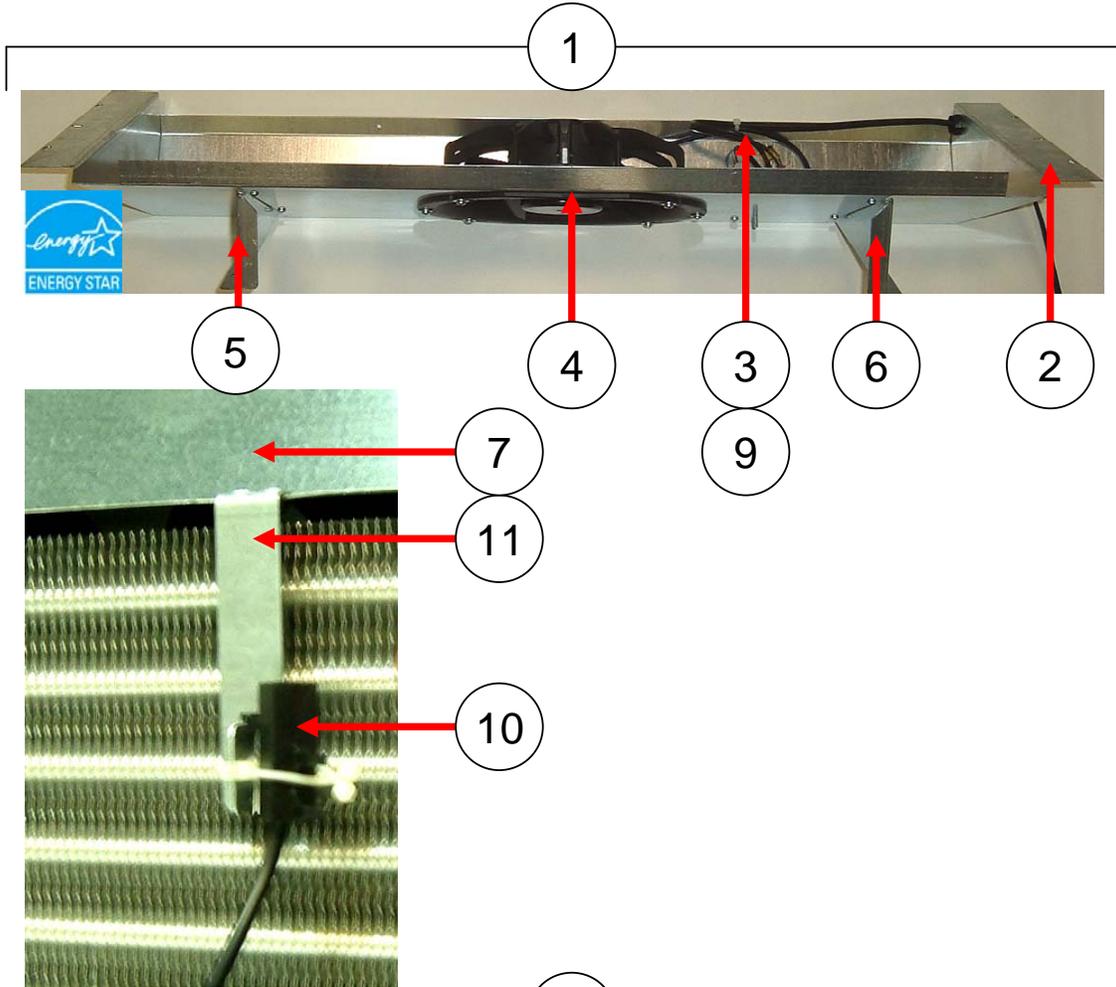
**CHUTE ASSEMBLY**



<b>CHUTE ASSEMBLY</b>			
<b>ITEM</b>	<b>PART DESCRIPTION</b>	<b>DN504P</b>	<b>DN720P</b>
1	Chute Assembly	640,072,00x.x3	639,072,80x.x3
2	Chute	640,070,43x.x3	805,702,53x.x1
3	Liner, Chute	801,904,83x.x1	801,904,78x.x1
4	Support, Sensor Plate	640,070,36x.x3	639,070,33x.x3
5	Vend Sensor Plate	640,070,37x.x3	639,070,34x.x3
6	Cover, Sensor Housing	639,070,39x.x3	SAME
7	Assembly, Vend Sensor	639,010,00x.x3	SAME
8	Sensor Mounting Bracket	639,070,93x.x3	SAME
9	Jumper, Vend Sensor (White)	804,922,33x.x1	SAME
10	Lead, Vend Sensor (Black)	804,924,37x.x1	SAME
<b>CHUTE ASSEMBLY MISCELLANEOUS</b>			
11	Standoff (4)	801,904,55x.x1	SAME
12	Rivet, 1/8" Black (2)	901,100,54x.x1	SAME
13	Screw, 8-32x¼, Swage Form	800,304,34x.x1	SAME
14	Rivet, 1/8" Steel (9)	801,100,81x.x1	SAME
15	Screw, 8-32x¼ w/ washer	800,304,23x.x1	SAME
Part numbers & descriptions are subject to change with out notice. NA = Not applicable TBD = To be determined RB = Replaced by			

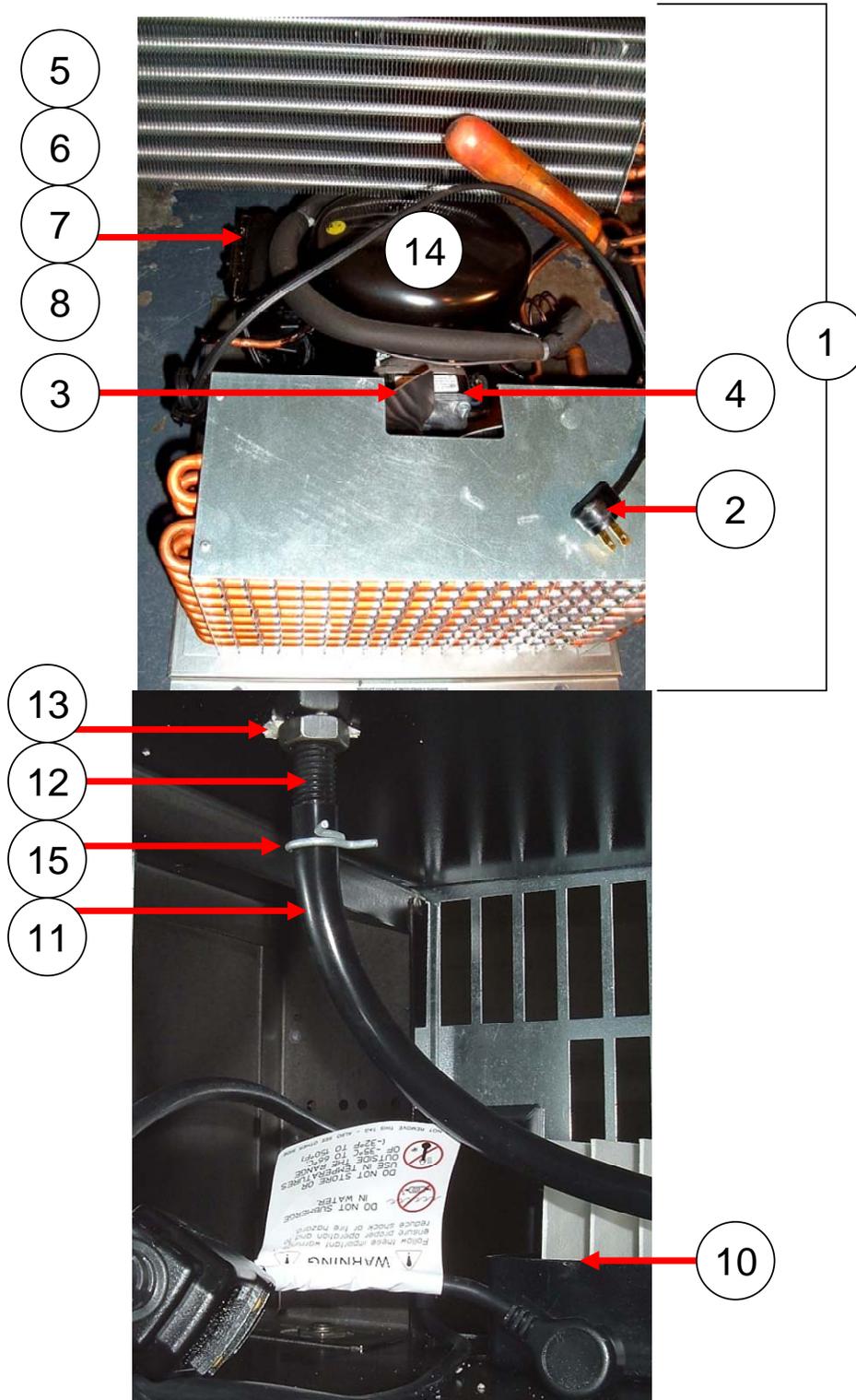
### EVAPORATOR FAN ASSEMBLY

## Energy Star



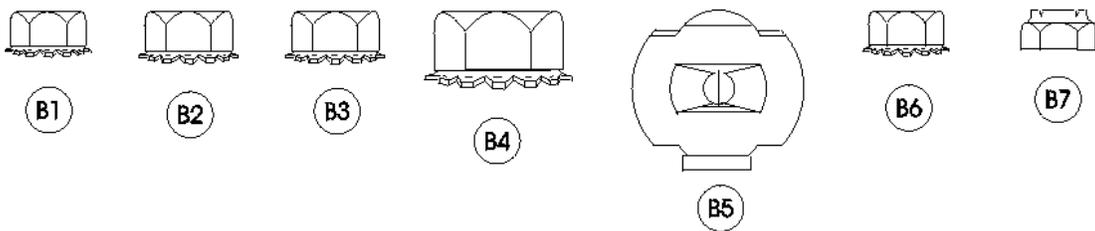
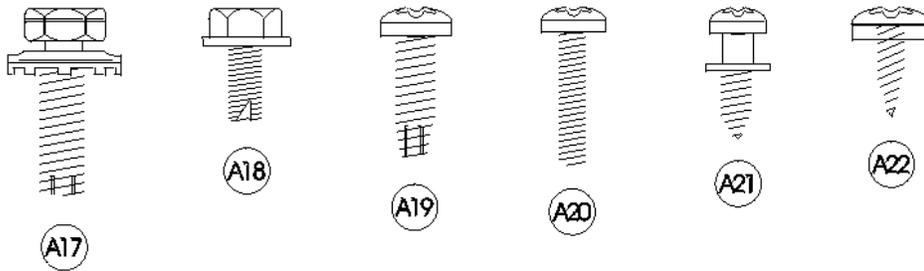
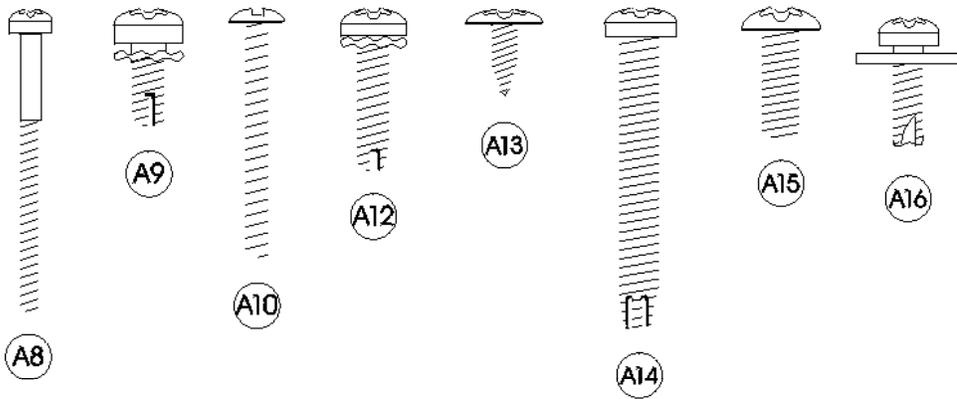
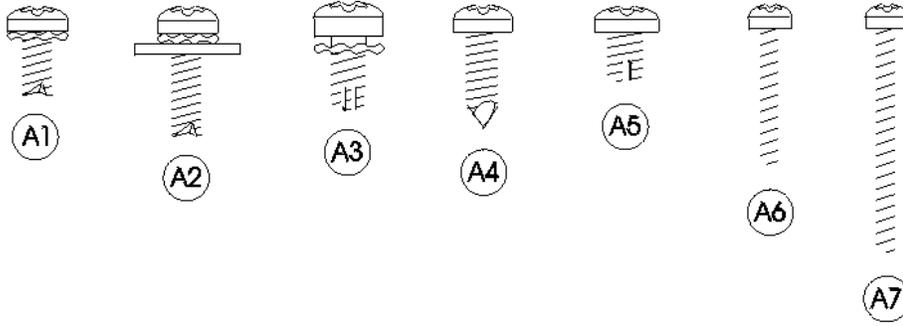
EVAPORATOR FAN ASSEMBLY			
ITEM	PART DESCRIPTION	DN504P	DN720P
1	Evaporator Fan Shroud Assembly		
	All except Energy Star	640,040,10x.x3	639,040,20x.x3
	Energy Star	640,041,30x.x3	639,041,50x.x3
	Service Kits	646,070,00x.x3	646,070,10x.x3
	220v Export	640,040,80x.x3	639,040,70x.x3
2	Evaporator Fan Shroud		
	All except Energy Star	640,040,20x.x3	639,040,30x.x3
	Energy Star	640,040,13x.x3	639,040,06x.x3
	220v Export	640,040,20x.x3	639,040,30x.x3
3	Harness, Evaporator Fan		
	All except Energy Star	804,921,73x.x1	804,921,73x.x1
	Energy Star	804,926,33x.x1	SAME
	220v Export	804,921,73x.x1	804,921,73x.x1
4	Evaporator Fan Motor Assy.		
	All except Energy Star	640,040,30x.x3	SAME
	Energy Star	804,501,54x.x1	SAME
	220v Export	639,040,60x.x3	SAME
5	Bracket, Evaporator Fan Panel Left Hand		
	All	640,040,08x.x3	SAME
6	Bracket, Evaporator Fan Panel Right Hand		
	All	640,040,07x.x3	SAME
7	Cover, Evaporator Top		
	All	640,040,09x.x3	SAME
8	Rear Air Stop Assembly	640,040,60x.x3	NA
9	Choke		
	Energy Star	804,926,92x.x1	SAME
10	Temperature Sensor		
	All	804,925,43x.x1	SAME
11	Bracket, Temp Sensor		
	All	639,040,04x.x3	SAME
EVAPORATOR FAN ASSEMBLY MISCELLANEOUS			
12	Screw, Phil Pan 8 - 18 x 1/2" (4)	800,304,18x.x1	SAME
13	Hex Nut, 11/32" (6)	800,801,54x.x1	SAME
14	Tie, 5.5 " Hand	901,901,06x.x1	SAME
15	Bushing, 3/4" split Heyco	901,902,17x.x1	SAME
16	Rivet, 1/8" Steel	801,100,81x.x1	SAME
17	Clamp, Cable, 3/8" Nylon	900,902,43x.x1	SAME
18	Screw, 1/4-20x5/8 Hex Type F	800,304,36x.x1	SAME
19	Screw, 10-32x1 1/4" Phil Pan Type F B	800,304,28x.x1	SAME
Part numbers & descriptions are subject to change with out notice. NA = Not applicable TBD = To be determined RB = Replaced by			

### RERFRIGERATION SYSTEM



REFRIGERATION SYSTEM			
ITEM	PART DESCRIPTION	DOMESTIC	EXPORT
1	Refrigeration Unit Kit		
	All	609,047,10x.x4	629,040,00x.x4
2	Cord, Power Refrigeration Compressor	802,401,85x.x1	NA
	Cord, Power Refrigeration Euro	NA	804,925,74x.x1
3	Blade, Fan Condenser 230mm Aluminum	802,401,84x.x1	801,306,65x.x1
4	Motor, Condenser 9W	802,401,83x.x1	804,501,37x.x1
	Bracket, Condensor Fan Motor	NA	639,040,05x.x3
5	Bracket, Capacitor	802,401,820.01	NA
6	Start Capacitor	802,401,810.01	NA
7	Cover, Board, Terminal	802,401,800.01	802,501,86x.x1
8	Overload Relay Assembly		802,502,22x.x1
	Overload	802,401,790.01	802,502,19x.x1
	Bracket, Overload	NA	NA
9	Relay	802,401,780.01	802,502,18x.x1
	Terminal, Board	802,401,770.01	NA
10	Drain Pan w/Soakers	805,800,71x.x1	SAME
11	Hose, Drain	901,900,50x.x1	SAME
12	Tube, Drain Nylon	801,806,05x.x1	SAME
13	Nut, Drain Tube	800,304,27x.x1	SAME
14	Compressor	NA	802,502,17x.x1
15	Clamp, Drain Hose, HC-12	800,903,27x.x1	SAME
<b>REFRIGERATION SYSTEM MISCELLANEOUS</b>			
16	Wire Tie, Twist, .56-.60 ID	W223	SAME
17	Screw, 1/4-20x5/8 Type F Sems (2)	800,304,36x.x1	SAME
18	Screw, 8-18x1/2 Phillips Pan Sems	800,304,23x.x1	NA
19	Rivet, 1/8 Steel	801,100,81x.x1	NA
20	End Cap, EmBraco #2075200	NA	802,401,62x.x1
21	Screw, Capacitor Metric	NA	802,401,75x.x1
22	Screw, Grounding	NA	802,401,76x.x1
23	Terminal, Arkless	NA	904,601,36x.x1
24	Label, Recoverable Substance	NA	903,833,54x.x1
25	Silencer, Fan Blade	NA	902,100,29x.x1
26	Nut, Speed	NA	900,800,85x.x1
Part numbers & descriptions are subject to change with out notice. NA = Not applicable TBD = To be determined RB = Replaced by			

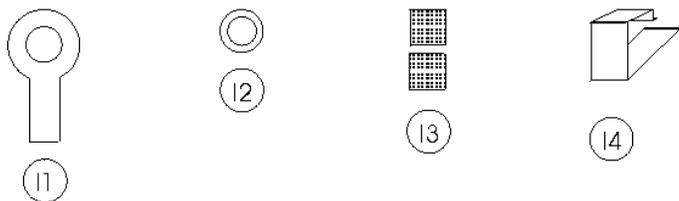
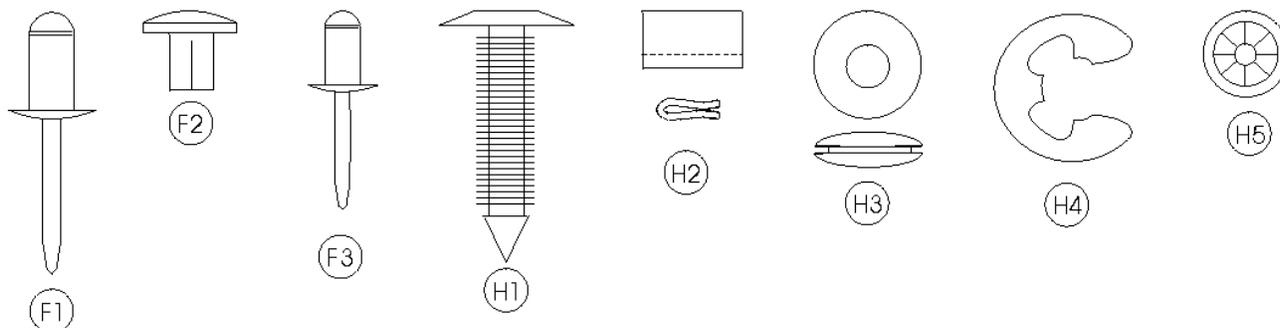
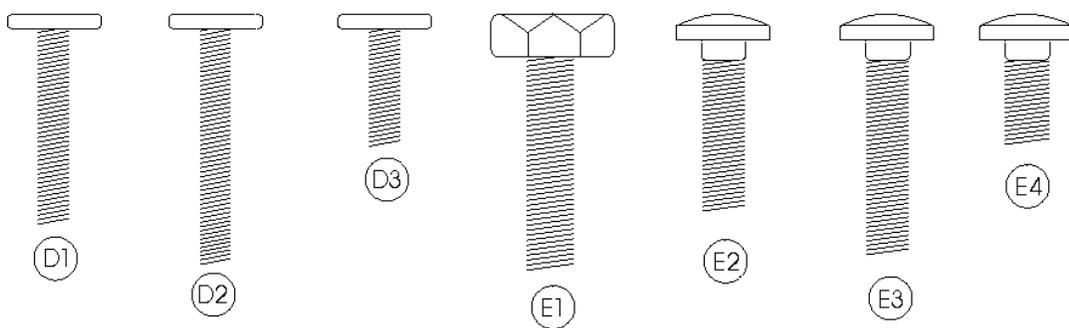
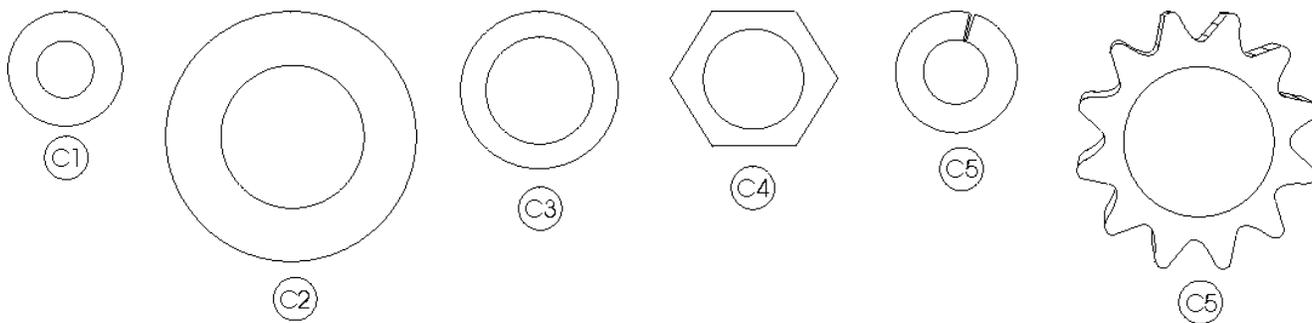
SCREWS & NUTS



## SCREWS &amp; NUTS

ITEM	PART NUMBER	PART NAME AND DESCRIPTION
A1	800,304,25x.x1	Screw, Phil Pan Swage Form #6 - 32 x 3/8"
A2	800,304,39x.x1	Screw, Phil Pan Swage Form w/washer #8 - 32 x 1/2"
A3	800,304,29x.x1	Screw, Phil Pan Swage Form #10 - 32 x 5/16"
A4	800,304,18x.x1	Screw, Phil Pan w/out washer, #8 - 18 x 1/2"
A5	800,304,34x.x1	Screw, Phil Pan Swage Form #8 - 32 x 1/4"
A6	800,304,50x.x1	Screw, Vend Motor, #4-24 x 3/4" Single Switch (NOT USED)
A7	900,301,82x.x1	Screw, Vend Motor, #4-24 x 1 1/16" Double Switch (NOT USED)
A8	800,305,18x.x1	Screw, Vend Motor, #4-24 x 1 1/2" Triple Switch (NOT USED)
A9	800,304,22x.x1	Screw, Phil Pan Cutting #8 - 32 x 3/8"
A10	800,202,64x.x1	Screw, Machine, #6 - 32 x 1 1/4"
A11	800,304,34x.x1	Screw, Phil Pan Sems #8 - 32 x 1/4"
A12	800,304,32x.x1	Screw, Phil Thread Form #8 - 32 x 5/8"
A13	900,300,16x.x1	Screw, Phil Head Truss #6 x 3/8"
A14	800,304,28x.x1	Screw, Phil Pan Form #10 - 32 x 1 1/4"
A15	800,202,52x.x1	Screw, Machine Truss, #10 - 32 x 1/2"
A16	800,304,23x.x1	Screw, Phil Pan Sems with washer, #8 - 18 x 1/2"
A17	800,304,36x.x1	Screw, Self Tapping, 1/4 - 20 x 5/8"
A18	800,304,24x.x1	Screw, Hex Head Swage Form #8 - 36 x 3/8"
A19	800,304,41x.x1	Screw, Phil Pan Tapping #10 - 32 x 5/8"
A20	900,201,22x.x1	Screw, Machine Phil Pan #8 - 32 x 3/4" (obsolete)
A21	800,305,06x.x1	Screw, Phil Pan Shoulder #8 - 18 x 1/2"
A22	800,304,31x.x1	Screw, Phil Pan #8-18x1/2"
A23	900,500,26x.x1	Shoulder Screw 1/2" Long
A24	900,201,13x.x1	Screw, Hex Head
A25	800,304,26x.x1	Screw, Tap 1/4-20x1" Type F
A26	800,304,76x.x1	Screw, Phil Pan #8-18x3/4"
A27	800,304,07x.x1	Screw, Truss Type 23 #8-32x1/2
A28	800,304,33x.x1	Screw, Phil Flat 23B #10-32x1/2"
A29	800,202,44x.x1	Screw, Machine Brass #6-32x1/4"
A30	800,304,35x.x1	Screw, Plastic 8-hi/low x 1 1/4
A31	800,304,21x.x1	Screw, Phil Pan Swage Form #8-32x1/2"
A32	800,304,38x.x1	Screw, Hex Washer Type 1 #8-32x3/8"
A34	800,304,77x.x1	Screw, Phil Pan #6-20x3/8
A35	900,304,37x.x1	Screw, Self Tapping, #8-18x3/4
A36	800,202,48x.x1	Screw, Phil Pan Head #6-32x1/4"
B1	800,801,56x.x1	Hex Nut, #10 - 32
B2	800,801,57x.x1	Hex Nut, 1/4 - 20
B3	800,801,54x.x1	Hex Nut, #8 - 32
B4	800,801,83x.x1	Hex Nut, Top Door Hinge, 3/8 - 16
B5	900,800,85x.x1	Speed Nut
B6	800,801,82x.x1	Hex Nut, #6 - 32
B7	800,801,55x.x1	Elastic Stop Nut, #8 - 32
B8	800,801,84x.x1	Hex Nut 8-32
B9	800,903,50x.x1	Push Nut, Acorn Type
B10	800,801,84x.x1	Hex Nut 5/16-18
B11	800,801,84x.x1	Hex Nut, Flange with Serrations 8-32

WASHERS, BOLTS, & MISC. HARDWARE



## WASHERS, BOLTS, &amp; MISC. HARDWARE

ITEM	PART NUMBER	PART NAME AND DESCRIPTION
C1	900,701,22x.x1	Washer, Delrin .047 Thick 3/8"IDx5/8"OD
C2	800,701,73x.x1	Washer, Door Hinge
C3	800,701,72x.x1	Washer, Flat #2949 (T-Handle)
C4	901,503,08x.x1	Washer, Hex #29-34 (T-Handle)
C5	800,701,43x.x1	Lockwasher, Split 3/8"
C6	900,700,89x.x1	Lockwasher, Shakeproof 5/8" (1132-00-00-0551) (obsolete)
C7	800,701,74x.x1	Steel Washer, 18 Gauge (1/2"x3/16")
C8	900,700,62x.x1	Washer, Shakeproof (4610-16-01-0551)
C10	800,701,44x.x1	Washer, Flat 18 Gauge (17/64"IDx5/8"OD)
C11	800,701,67x.x1	Washer, Flat 14 Gauge (5/16"-3/8"x7/8")
C12	801,902,48x.x1	Nylon Spacer
	800,701,76x.x1	Washer Flat (.343"ID x .688" OD .6T)
D1	800,400,69x.x1	T-Bolt, #8 - 32 x 1.94"
D2	800,400,68x.x1	T-Bolt, #8 - 32 x 1 3/8"
D3	800,400,61x.x1	T-Bolt, #8 - 32 x 3/4"
D4	800,400,62x.x1	T-Bolt, #8 - 32 x 1/2"
E1	800,400,59x.x1	Refrigeration Bolt, 3/8 - 16 x 1 1/4"
E2	800,202,42x.x1	Carriage Bolt, 1/4 - 20 x 1"
E3	800,202,43x.x1	Carriage Bolt, 1/4 - 20 x 1 1/4"
E4	800,202,45x.x1	Carriage Bolt, 1/4 - 20 x 1/2"
E5	800,202,46x.x1	Carriage Bolt, 1/4 - 20 x 3/8"
E6	800,202,47x.x1	Carriage Bolt, 1/4 - 20 x 3/4"
E7	900,303,12x.x1	Carriage Bolt, 1/4-20x5/8" (obsolete)
E8	800,202,54x.x1	Carriage Bolt, 5/16x18x1 1/4" Top Hinge (drop in)
E9	800,304,08x.x1	Carriage Bolt, 1/4-20x5/8"
E10	800,202,69x.x1	Carriage Bolt, 1/4-20x1/2" (red)
F1	901,100,43x.x1	Pop Rivet, Aluminum 1/4"
F2	901,100,44x.x1	Drive Rivet, #38-108-06-13 1/4" dia.
F4	901,100,54x.x1	Pop Rivet, Black 1/8"
F5	801,100,81x.x1	Pop Rivet, Steel (Zinc Plated) 1/8"
F6	901,100,53x.x1	Pop Rivet, Aluminum 1/8"
F7	801,100,79x.x1	Pop Rivet, Steel (Zinc Plated) 3/16"
H1	900,902,13x.x1	Christmas Tree Clip #354280307-00 (NOT USED)
H2	800,903,49x.x1	Tinnerman Clip, Fan Shroud (C5207-014-3B)
H3	900,401,09x.x1	Grommet, Bk. Rubber #97
H4	901,503,07x.x1	E-Ring #31-30
H5	900,900,90x.x1	Retainer, Roller Pin
H6	900,902,18x.x1	Tinnerman Clip
H7	801,807,01x.x1	Hole Plug, Snap in - 1 1/4"
H8	901,806,77x.x1	Grommet, Admiral 5/16" #B53351
H9	902,100,29x.x1	Silencer
I1	804,601,45x.x1	#6 Terminal Ring Crimp 16-14 AWG
I2	801,902,48x.x1	Nylon Spacer used on Coke D/O Boards
I3	801,809,12x.x1	Velcro Blocks
I4	801,807,49x.x1	Vender Defender Clip
I5	901,901,89x.x1	Clamp, Cable 1" Heyco 3390
I6	800,902,51x.x1	Clamp, Nylon 5/16" White Heyco 3555 or Dennison 10159
I7	900,901,80x.x1	Clamp, Nylon 1/2" Heyco 3328

**WASHERS, BOLTS, & MISC. HARDWARE**

ITEM	PART NUMBER	PART NAME AND DESCRIPTION
18	901,901,06x.x1	Hand Tie, 5 1/2"
19	901,902,01x.x1	Wire Tie, 7 1/2"
10	901,901,00x.x1	Wire Ties, 4"
11	901,900,55x.x1	Clamp, Nylon 3/4" Heyco 3382BL
12	901,902,83x.x1	Cable Tie, 5 1/2"
13	900,902,14x.x1	Canoe Clip #254-090-301-00-0108

**MISC. LABELS**

ITEM	PART DESCRIPTION	DOMESTIC	EXPORT
1	Label, 1.6A Fuse	803,868,03x.x1	NA
2	Label, 1.0A Fuse	NA	803,876,83x.x1
3	Label, Refrigeration Outlet	803,868,04x.x1	SAME
4	Label, Main Power	803,860,85x.x1	SAME
5	Label, AC Box Power German	NA	803,858,69x.x1
6	Label, Main Power Inlet	803,876,84x.x1	SAME
7	Label, On/Off Rocker	803,879,72x.x1	SAME
8	Kit, ID Number Labels	639,070,76x.x4	SAME
9	Label, Upper Refill	803,876,01x.x1	SAME
10	Label, Lower Refill	803,876,03x.x1	SAME
11	Label, Money Removed Daily	903,805,70x.x1	SAME
12	Label, GFCI	803,885,42x.x1	SAME
13	Label, Price .50-1.25	903,828,82x.x1	NA
14	Label, Ground	NA	903,826,61x.x1
15	Label, Warn High Voltage	NA	903,825,86x.x1
16	Label, Select Switch	NA	803,857,56x.x1
17	Label Button/Stack Chameleon 504P	803,886,65x.x1	SAME
18	Label Button/Stack Chameleon 720P	803,886,32x.x1	SAME
19	Label Button/Stack DP 9 Sel. V4 720P	803,886,41x.x1	SAME
20	Label Button/Stack DP 7 Sel. V4 504P	803,880,67x.x1	SAME
21	Label Button/Stack DP 10 Sel. V4 720P	803,880,68x.x1	SAME
22	Label Button/Stack DP SL5	803,882,31x.x1	SAME
23	Label Button/Stack Dual Display 504P	803,881,38x.x1	SAME
24	Label Button/Stack Dual Display 720P	803,881,39x.x1	SAME
25	Label Button/Stack Generic/Mag Cir 504P	803,881,36x.x1	SAME
26	Label Button/Stack Generic/Mag Cir 720P	803,881,37x.x1	SAME
27	Wiring Diagram 720-10 Mag Cir		803,882,56x.x1
28	Wiring Diagram DP V4 720P	803,880,62x.x1	
29	Wiring Diagram DP V4 504P	803,880,64x.x1	
30	Wiring Diagram Dual Display 720P	803,881,71x.x1	
31	Wiring Diagram Dual Display 504P	803,881,69x.x1	
32	Wiring Diagram Generic Round 720P	803,881,73x.x1	
33	Wiring Diagram Generic Round 504P	803,881,72x.x1	
34	Wiring Diagram DP SL5 720P	803,882,22x.x1	
35	Wiring Diagram DP V4 Chameleon 720P	803,886,48x.x1	
36	Wiring Diagram Magnum Circular Export 720P	NA	803,882,56x.x1
37	Wiring Diagram Magnum Circular Export 504P	NA	803,882,11x.x1
38	Wiring Diagram Chameleon 720P	803,886,47x.x1	
39	Wiring Diagram Chameleon 504P	803,886,64x.x1	