Technical Manual

Glass Front Vender by Maytag

DN5000

Beginning Production Run 8063BY

DN3000

Beginning Production Run 8292DB

MAYTAG

Manufactured by

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GENERAL INFORMATION

VENDER SAFETY PRECAUTIONS

Please read this manual in its entirety. This service information is intended to be used 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 UNQUALIFIED 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

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 xxxx-yyyyzz. The first 4 digits (xxxx) identify the specific vender. The next 4 digits (yyyy) identify the manufacturing run that the vender was built in. The last 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:

Y = 2000
Z = 2001

PHYSICAL CHARACTERISTICS

DN5000

HEIGHT	71.25” (1809.75)
WIDTH	52.25” (1327.15 mm)
DEPTH	35” (889 mm)
DEPTH WITH VALIDATOR	36.5” (927.1 mm)
SHIPPING WEIGHT	749 lbs. (340 kg)
Glass front is 34” (863.6 mm) wide, 67” (1701.8 mm) high	

DN3000

HEIGHT	71.25” (1809.75)
WIDTH	42.25” (1073.15 mm)
DEPTH	35” (889 mm)
DEPTH WITH VALIDATOR	36.5” (927.1 mm)
SHIPPING WEIGHT	682 lbs. (310 kg)
Glass front is 21.1” (614.14 mm) wide, 67” (1701.8 mm) high	

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INSTALLATION & SETUP

The Dixie-Narco Coca-Cola Glass Front Vender is designed utilizing the latest technology.

RECEIVING INSPECTION

DO NOT STORE THE VENDER OUTSIDE.
THIS MACHINE IS FOR INDOOR USE ONLY.

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.

UNPACKING THE VENDERS

Remove the stretch wrap fiberboard edge protectors and corrugated front protector from the outside of the vender.

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 shipping boards by using a 1 – ½ inch socket type wrench to unscrew the leveling legs. Be sure to replace the legs after removing the shipping boards. Once the vender is unpacked, check the service area for any additional parts, price/product labels, service/operation manual, or other information concerning factory-equipped accessories such as coin mechs and validators.

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 SERVICE AREA, 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 requirement is 120 Volts, 60 Hertz). The cabinet serial plate also indicates the Amperage of the vender. The vender must be plugged in to its own properly rated single phase, alternating current outlet with its own circuit protection (fuse/circuit breaker).

DO NOT USE AN EXTENSION CORD.

GROUND THE VENDER

The vender is equipped with a three wire power supply cord and MUST be plugged into a properly grounded outlet.

DO NOT REMOVE THE GROUND PIN OR IN ANY WAY BYPASS, MODIFY, DEFEAT, OR DESTROY THE GROUNDING SYSTEM OF THE VENDER.

If the outlet will not accept the power cord plug, contact an electrician to install a proper AC outlet.

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

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
- Conlux CCM-5G
- Mars TRC6510
- Mars TRC 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 NBM-3000 Series, MKA-2141-11
- Ardac 5500 Series

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The Vender will support the following MDB card readers:

Multi-Drop Card Readers (Domestic)
- Debitek Smart Card - MDB
- Danyl Schlumberger
  - (At publication swipe reader had not been tested)
- Fage MDB
- Diebold Systems
- AT&T Campus Wide
- VMC LTD
- Jofemar
- Evend.net

PLACING THE VENDER ON LOCATION

The Coca-Cola Glass Front Vender is for **INDOOR USE ONLY**. It should be kept out of direct sunlight and away from any heat source.

!! CAUTION !!

DO NOT TRANSPORT THE VENDER TO OR FROM THE LOCATION LOADED WITH PRODUCT OR DAMAGE TO THE VENDER MAY RESULT. ENSURE TRAY ASSEMBLIES ARE SECURED WHEN MOVING THE VENDER 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 load of a fully stocked vender (approximately 1150 lbs. DN5000 or 1012lbs. DN3000). The vender must be positioned close enough to an electrical outlet so 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. Due to the large size and weight of the vender, never attempt to move the vender with a hand truck or stair climber. The vender should be moved with a Pallet Jack or Vender/Cooler Dolly at all times. The vender should never be slid or pushed in place. Never side load the leveling legs, doing so will damage the legs.

LEVEL THE VENDER

Adjust the front leveling legs, ensuring that an even gap exists between the glass door and the top security angle and receiver box, then level the cabinet front-to-rear. A carpenter's level will help verify that the machine is level. Leveling legs are adjusted using a wrench or socket 1 – ½ inch in size. Lowering the legs will raise the machine approximately 1/4" per 4 turns. If the machine is to be used next to another vender, check the top and side for proper alignment. Minimum leg extensions should be used in leveling and alignment to attain greater stability. Make sure that all the leveling legs are in contact with the floor. If you cannot level the vender, select another location. Do not place any objects under the machine.

Leveling is extremely important to ensure proper vender operation.

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 risk of injury or death from tipping. Call the Dixie-Narco Technical Service Department or your local 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 service door and cabinet. 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 SERVICE AREA, IN AND AROUND THE REFRIGERATION COMPARTMENT OF THE CABINET, OR IN FRONT OF THE EVAPORATOR AND CONDENSER COILS.

LOADING THE VENDER

All Coca-Cola Glass Front venders are shipped ready to vend 20 oz. bottles unless another package was specified at the time the vender was ordered from the factory. If a package other than these are to be vended, contact a Dixie-Narco Factory Service Representative or refer to the proper Technical Publication for spacer settings.

PRODUCT

The Coca-Cola Glass Front Vender is designed to vend a wide range of cans, glass, and plastic beverage containers in sizes from 12 oz. to 20 oz. It has a double-pane or triple pane, tempered safety

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glass door for clear viewing of all products. The machine is set up with: 5 Trays, 9 columns or 6 columns each, 8 products per column. Maximum capacity for DN5000 is 15 cases (360 items) of 20 oz. Product and DN3000 is 10 cases (240 items) of 20oz. product.

INSTALLATION AND SETUP INSTRUCTIONS

Open the service door on the right side using the key provided in the coin return cup, or if shipped with a locking clip, remove the clip and install the lock.

Ensure the power switch on the AC distribution box is in the off position.

Check that all connectors are firmly seated on the control boards and at the various components on the service door (coin mech, keypad, etc.).

Retrieve the main power plug from the hole in the rear of the vender and plug the cord in a properly grounded 120VAC, 15 Amp receptacle (U.S. and Canada).

Open the service door and apply power to the AC distribution box by means of the rocker switch (if equipped with a bill acceptor, the acceptor should cycle twice). The display on the door should scroll "*/SOFTWARE/REV###.##/ICE COLD COCA-COLA/##.##", fluorescent lamp should be lit and the cooling unit should start. (Note: There is an approximate 2 minute delay)

IF THE DISPLAY SCROLLS "OUT OF SERVICE", OR THE COOLING UNIT FAILS TO START, REFER TO THE TROUBLESHOOTING FLOWCHARTS BEGINNING ON PAGE 38.

SERVICE NOTE

Battery Backup

The battery backup 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. If the vender is to be stored for long periods of time, disconnecting the battery is recommended. The following steps will guide you through this procedure.

- Open the service door, turn the main power switch to the off position or unplug the main power harness located on the front of the power box.
- Locate the KO control board mounted on the right side wall.
- Remove the battery from its holder (B 1).

LOADING

LOADING CHANGE TUBES

MDB UNITS

Open the service door. Enter "TUBEFILL" in programming.

Load the coin mechanism with coins by inserting coins in the separator on the coin mech. Display will show the total number of the coin type being entered as they are installed. (i.e. .05 1, .10 3, .25 8).

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

(For additional information about coin mechanism refer to the manufacturer's instructions.)

LOADING PRODUCT

Proper product loading and product sizing to spacer/gate and elevator / conveyor are very important in ensuring problem free vending. Pay close attention to the product's center of gravity. Regional products are sometimes bottled and/or canned in unique shapes and sizes. These products must be tested for problem-free vending before large quantities are purchased.

Note: Loading should be done as quickly as possible to minimize product/cabinet exposure to warmth and humidity.

Open the service door then open the product compartment glass door.

After loading is finished check the price tags to ensure they correspond to existing products. Pricing labels are located in the service bag shipped with every vender.

Close the product compartment glass door.

Close the service door and lock. Closing the service door will place the machine in service and start the refrigeration cycle.

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PROGRAMMING

COCA-COLA EVS GLASS FRONT PROGRAMMING METHOD
April 2000

NORMAL MODE:
In normal mode, on power up display will show software installed in vender, then change to POS message or decimal point and / or vend price. When money is inserted, the display indicates the total amount of the deposit. The keys on the keypad are used to select the product. In normal mode you may access an external menu for reading historical sales counters, cash counters, error codes, none, or return to normal mode.

SERVICE MODE:
If configuration switch 4 is set to "C4 0", when the door is opened, "NONE" or a list of Error codes will show on the display. If configuration switch 4 is set to "C4 1", when the door is opened, "CASH - ####-##.##", "CARD - ####-##.##", "SALES - ####-####", "ERROR", or "NONE" will show on the display. NOTE: Card is only shown if a card reader is present. The service mode is entered when the door is open and the service switch on the KO controller is pressed. The operator can now use the keypad to move through the main routine menu.

Key number 1: Abort/Cancel - will return to previous menu prompt.
Key number 2: Scroll Up - forward in menu.
Key number 3: Scroll Down - backward in menu.
Key number 4: Enter/Save/Clear - Allows you to enter a specific routine, save what you have programmed, or clear the error prompts.

Note: Routines with * are password protected. They can only be viewed and entered after the password is entered at the "PASS" prompt.

EXTERNAL MENU MODE:
The information available in this mode is obtainable with the door closed or open as long as the vender is in normal mode, by entering the password which is set at 4, 2, 3, 1. Note: 4231 is the factory default and can be programmed to any four digit combination. Information available is historical cash counted, resettable cash counted for each selection, historical sale (total number of vends), resettable vends counted for each selection, error codes, and return. Refer to the "CASH", "SALES", AND "ERROR" routines for instructions to move through the menus.

PROGRAMMING MENU

"ERROR" - ERROR ROUTINE
This function allows you to enter the error readout routine. ERROR will appear when you press the service button on the control board. Press key number 4, if there have been no errors since the last reset, the display will read "NONE". If one or more errors have occurred, the display will show the first error code that occurred.

The following are error codes that may be displayed and detailed information accessed: "NONE", "VENDMECH", "CONTROL", "SELECTSW", "CHANGER", "BILL VAL", "CARD RDR", "ONLINE", "RVEND", "SEL/DISP", "RFRIG", "DNC ERR", "HEALTH".

Press key number 2 or 3 to scroll through any error codes that are present.

Important: If there is only one problem, that will be the only error code shown when you enter the error code sub-menus.

With an error code showing on the display, press key number 4 to access detailed information.
After making repairs with an error code showing on the display, press and hold key number 4 for 2 seconds will clear the error.
Press key number 1 to return to "ERROR".

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"VENDMECH" - Vend Mechanism Summary Errors
Press key number 4 and the display will show the following:
- "COLJAM#", where # is the column number detected jammed.

Press key number 1 will return to "VENDMECH" if all vend mech errors have not been cleared.
If all vend mech errors have been cleared the next error mode will be displayed, or "NONE" if there are no errors.

Press key number 1 will return to "ERROR".

"CONTROL" - Control System Summary Errors
Press key number 4 and the display will show one of the following:
- "DOORSWIT", indicating a door switch in the open position for more than 1 hour.
- "RAM ERR", indicating the check sum for service mode settings memory has been corrupted.
- "AC LOW", indicating AC supply to the machine has fallen more than 15% below normal line voltage for more than 30 seconds.
- "SCALEER", indicating a peripheral has introduced a scaling factor that is incompatible with current setting.

Press key number 1 will return to "CONTROL" if all control system errors have not been cleared.
If all control system errors have been cleared the next error code will be displayed, or "NONE" if there are no errors.

Press key number 1 will return to "ERROR".

"SELECTSW" - Select Switch Summary Errors
Press key number 4 and the display will show "SELSW#", indicating a key on the keypad has been active for more than 15 seconds while in normal (sales) mode.

Press key number 1 will return to "SELECTSW" if all selection errors have not been cleared.
If all selection errors have been cleared the next error code will be displayed or "NONE" if there are no errors.

Press key number 1 will return to "ERROR".

"CHANGER" - Changer Summary Errors
Press key number 4 and the display will show one of the following:
- "COINCOMM", indicating a changer communication error. (No communication for more than 2 seconds)
- "TUBESENS", indicating a tube sensor error.
- "COININLE", indicating an inlet chute blocked error (no coins sensed in acceptor for 96 hours).
- "TUBJAM #", indicating a tube jam error.
- "COIN ROM", indicating a changer ROM check sum error (failed changer).
- "EXCESSES", indicating excessive escrow attempts (more than 255 since last coin sensed).
- "COIN JAM", indicating a coin jam reported by coin mech.
- "LOW ACCP", indicating a low coin acceptance rate (less than 80%).
- "ACCDISCN", indicating an acceptor is unplugged.
- "ROUTING", indicating a coin was mis-routed.

Press key number 1 will return to "CHANGER" if all changer errors have not been cleared.
If all changer errors have been cleared the next error code will be displayed or "NONE" if there are no errors.

Press key number 1 will return to "ERROR".

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"BILL VAL" - Bill Validator Summary Errors

Press key number 4 and the display will show one of the following:

- "BILLCOMM", indicating a bill validator communication error. (No communication for more than 5 seconds)
- "BILLFULL", indicating the bill stacker is full.
- "BILL MOT", indicating a defective motor in the validator.
- "BILL JAM", indicating a bill jam in the validator.
- "BILL ROM", indicating a check sum error.
- "BILLOPEN", indicating an open stacker.
- "BILLSENS", indicating a bill validator sensor error.

Press key number 1 will return to "BILL VAL" if all changer errors have not been cleared.
If all validator errors have been cleared the next error code will be displayed or "NONE" if there are no errors.

Press key number 1 will return to "ERROR".

"CARD RDR" - Card Reader Summary Errors

Press key number 4 and the display will show one of the following:

- "CARDCOMM", indicating no card reader communication for 5 seconds.
- "CARD #", indicating the most recent "non-transient error" from the card reader (failed card reader).

Press key number 1 will return to "CARD RDR" if all changer errors have not been cleared.
If all card reader errors have been cleared the next error code will be displayed or "NONE" if there are no errors.

Press key number 1 will return to "ERROR".
Press key number 2 will scroll to the next routine.

"ONLINE" - Online Module Error

Press key number 4 and the display shows one of the following:

- "ONLINE", indicating no communications to online module for 5 seconds.
- "ONL COMM", indicating the online network is not responding, online module cannot call out.
- "ONL INTL", indicates an online module internal problem causing improper functioning.

Press key number 1 will return to "ONLINE" if all online module errors have not been cleared.
If all online module errors have been cleared the next error code will be displayed or "NONE" if there are no errors.
Press key number 1 will return to "ERROR".
Press key number 2 will scroll to the next routine.

"RVEND" - Remote Vend Mechanism (USD) Error.

Press key number 4 and the display shows one of the following.

- "RV COMM#", indicates no communication for 5 seconds with remote vend mech at address "#".
- "RVEND a#", indicates error code number "#" from the remote vend mech at address "a".

Press key number 1 will return to "RVEND" if all remote vend mechanism errors have not been cleared.
If all remote vend mechanism errors have been cleared the next error code will be displayed, or "NONE" if there are no errors.
Press key number 1 will return to "ERROR".
Press key number 2 will scroll to the next routine.

"SEL/DISP" - Selection / Display Device (ASD) Error

Press key number 4 and the display shows:

- "S/D COMM", indicating no communication to selection / display device for five seconds.

Press key number 1 will return to "SEL/DISP" if all selection / display device errors have not been cleared.
If all selection / display device errors have been cleared the next error code will be displayed or "NONE" if there are no errors.
Press key number 1 will return to "ERROR".
Press key number 2 will scroll to the next routine.

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"REFRIG" - Refrigeration Summary Errors

Press key number 4 and the display shows one of the following:

- "TEMPSENS", indicating the temperature sensor is defective or unplugged.
- "TOO COLD", indicating the cabinet temperature is 3^0 F below lower limit.
- "TOO HOT", indicating the cabinet temperature is 3^0 F above upper limit.
- "NO COOL", indicating the cooling system has failed to decrease temperature 1^0 F per hour while the compressor is running.

Press key number 1 will return to "REFRIG" if all refrigeration summary errors have not been cleared.
If all refrigeration summary errors have been cleared the next error code will be displayed, or "NONE" if there are no errors.
Press key number 1 will return to "ERROR".
Press key number 2 will scroll to the next routine.

"DNC ERR" - Dixie-Narco Corporation Summary Errors

Press key number 4 and the display will show one of the following:

- "MB COMM", indicating the machine board has stopped communicating. The display will scroll "NO SALE" when this error has occurred.
- "ELEVATOR", indicating an elevator operation error has occurred.
- "CONVEYOR", indicating a conveyor operation error has occurred.
- "PORT DR", indicating the read switch not being recognized at port door.

Press key number 1 will return to "DNC ERR" if all Dixie-Narco Corporation Summary errors have not been cleared.
If all Dixie-Narco Corporation Summary errors have been cleared the next error code will be displayed or "NONE" if there are no errors.
Press key number 1 will return to "ERROR".
Press key number 2 will scroll to the next routine.

"HEALTH" – HEALTH TIMER CONSTRAINT ERRORS

Press key number 4 and the display shows one of the following.

- "HTIN" – Health Timer Error
  The initial pull down time has not met the health timer constraints. Refer to "HEALTH" section for details.
  Press and hold key number 4 for 2 seconds will clear the error and the display will show "NONE".

- "HCOD" – Health Code Error
  The health code cooling constraints have not been met. Refer to "HEALTH" section for details.
  Press and hold key number 4 for 2 seconds will clear the error and the display will show "NONE".

- "RCHE" – Recheck Error
  The extended health timer has not met the health timer constraints. Refer to "HEALTH" section for details.
  Press and hold key number 4 for 2 seconds will clear the error and the display will show "NONE".

"COINPAYO" - COIN PAYOUT ROUTINE

This function allows you to dump coins from the coin mechanism.
Press key number 4 to enter mode and the lowest coin value dispensable will show on the display.
Press key number 2 or 3 to scroll through the different coin values available.
Press and hold key number 4 to dump the coins whose value is shown on the display.

Press key number 1 will return to "COINPAYO".
Press key number 2 to scroll to the next routine.

"TUBEFILL" - TUBE FILL ROUTINE

This function allows you to count the coins loaded in the top (separator) of the coin mech that will be routed to an inventory tube. Press key number 4 to enter mode and the total number of the coin type being loaded will be displayed and counted in the vender controller as they are accepted. The controller will inhibit the acceptance of any coin which does not go to a tube during this procedure. If a tube full status is detected, that coin type will be inhibited. When you finish loading all coins:

Press key number 1 to return to "TUBEFILL".
Press key number 2 to scroll to the next routine.

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"TESTMODE" - TEST ROUTINE

This function allows you to diagnose different functions of the vender.
Press key number 4 and the display will show "TESTVEND".

Press key number 2 or 3 to scroll through the test routines available.
Press key number 1 to return to "TESTMODE".

"TESTVEND" - Vend Testing

This function allows you to test vend each column.
Press key number 4 and the display will show "COL A1".
Press key numbers 2 or 3 to scroll through the columns available to run in motor test.
Press key number 4 to run the motor of the column displayed.
Press key number 1 will return to "TESTVEND".
Press key number 2 to scroll to next test mode.

"TEST SEL" - Select Switch Test

This function allows you to test each selection.
Press key number 4 and the display will show "SEL 4". Then press any key and the display will show the last key number pressed.
Press and hold key number 1 for approximately 5 seconds will return to "TEST SEL".
Press key number 2 to scroll to the next test mode.

"DISPLAY" - Display Test

This function allows you to test all segments in the display.
Press key number 4 and the display segments will illuminate in the following manner; "*0." will scroll continuously.
Press key number 1 to return to "DISPLAY".
Press key number 2 to scroll to next test mode.

"RELAYS" - RELAY TEST

This function allows you to test the relay electronic control of the compressor ("COMPR #"), the evaporator fan(s) ("FAN #"), and the sign front light ("LIGHT#").

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 damaging the compressor.

Press key number 4 and the display will show "COMPR#", where # is the state of the relay - 0 = not activated or off; 1 = activated or on . Press key number 4 to toggle the relay on and off.
Press key number 2 to scroll to "FAN#", where # is the state of the relay - 0 = not activated or off, 1 = activated or on. Press key number 4 to toggle the fan(s) on and off.
Press key number 2 to scroll to "LIGHT#", where # is the state of the relay - 0 = not activated or off; 1 = activated or on. Press key number 4 to toggle the lights on and off.
Press key number 1 to return to "TESTMODE".
Press key number 2 to scroll to "PASSWORD".

*** "PASSWORD" - PASSWORD ROUTINE**

This function allows you to enter the following routines which are not accessible until the operator enters a password, which is set as 4-2-3-1. To enter the password, press key number 4 until the display goes blank. Then press key number 2, then 3, then 1, and then 4, and "CASH" should appear on the display. If not entered properly, the display will return to "PASSWORD" after approximately 16 seconds. If entered correctly, the display will go to the next function "CASH".

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*** "CASH" - CASH COUNTER ROUTINE**

This function will show the user the vender historical total cash counted and the resettable cash counted for each selection for the vender.

Press key number 4 and "CASH"/"######.##" will show on the display where the 8"#" characters are the historical total cash counters that have been recorded. Note: Leading zeros are not displayed. Example: Display flashes "CASH", then "262500". This is $2625.00 historical total cash. Press key number 2 to scroll to "CARD"/######.##", where the 8# characters are the historical card reader cash counters. Note: Leading zeros are not displayed.
Press key number 2 or 3 to display "COL A1"/"######.##" where the 8"#" characters are the resettable cash counters for that selection. Note: Leading zeros are not displayed. Pressing key number 2 or 3 at this time will scroll through the available selection cash counters. Example: Display flashes "COL A1", then "520.50". This is $520.50 resettable cash for selection A1. Press key number 1 to return to "CASH"/"######.##". Press key number 1 to return to "CASH".

Press key number 2 to scroll to the next routine.

*** "SALES" - SALES COUNTER ROUTINE**

This function will show the user the vender historical total number of vends and the resettable vends counted for each selection for the vender.

Press key number 4 and "SALES"/"########" will show on the display where the 8"#" characters are the historical total vend counters that have been recorded. Note: Leading zeros are not displayed. Example: Display flashes "SALES", then "1325". This is 1325 historical vends.
Press key number 2 or 3 to display "COL A2"/"########", where the 8"#" characters are the resettable vend counters for that selection. Note: Leading zeros are not displayed. Pressing key number 2 or 3 at this time will scroll through the available selection vend counters. Example: Display flashes "COL A1" then "145". This is 145 resettable vends counted for selection A1. Pressing key number 1 will return to "SALES"/"########". Press key number 1 to return to "SALES".

Press key number 2 to scroll to the next routine.

*** "PRICE" - PRICE SETTING ROUTINE**

This function allows the user to set pricing. When Configuration Code 1 is programmed to "C1 1", multi-pricing a price for each selection needs to be set. Note: This routine is lockable when using a data collection device.

Press key number 4 and "PRICE A1" (multiprice) or "SNGPRICE" (single price) will show on the display.
Press key number 4 to set the price on selection A1, "00.00" or current price setting will show on the display.
Press key number 2 or 3 to change the price setting for selection A1.
Press key number 4 to enter the price selected and the display will return to "PRICE A1".
Press key number 2 to scroll to the next selection you wish to set price. Press key number 4, set the price and enter the price. Repeat these steps for each selection until all prices are set. Note: In multiprice modes, selections go "PRICE A1" through "ALL SELS".

If Configuration Code 1 is programmed to "C1 O", single price, set "SNGPRICE" as described above. The price entered for "SNGPRICE" will be set for all selections.
Press key number 1 to return to "PRICE".
Press key number 2 to scroll to the next routine.

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"STS PROG" – SPACE TO SALES ROUTINE

This function allows you to change the space to sale settings. Press key number 4 and "OPTION#" or "CUST STS" will show on the display, which indicates the current space to sales option. For the 7 options available, see list below. Press key number 2 to scroll through the options. Press key number 4 with the desired option showing on the display to save that option and return to "STS PROG".

Space to Sales Options:

"OPTION1"	1 to 1 = Columns are assigned to selections with the same number.
"OPTION2"	Tray = Full tray assigned. Example: selections A1 thru A9 vend from columns A1 thru A9 sequentially.
"OPTION3"	Half Tray = Half tray assigned. Example: selections A1 thru A5 vend from columns A1 thru A5 sequentially and selections A6 thru A9 vend from columns A6 thru A9 sequentially.
"OPTION4"	Groups of 3 = Groups of 3 columns are assigned sequentially to work with associated selections. Example: selections A1 thru A3 vend from columns A1 thru A3 sequentially.
"OPTION5"	Combined groups of 2 & 3 = Selection grouping per tray will be assigned columns 1 & 2; 3 & 4; 5 & 6; 7, 8, & 9 working with associated selections.
"OPTION6"	Combined groups of 3 = Selection grouping per tray will be assigned columns 1, 2, & 3; 4, 5, & 6; 7, 8, & 9 working with associated selections.
"CUST STS"	Custom space to sales = Allows you to assign columns in blocks working with associated selections.

With "CUST STS" showing, press key number 4 and "CLEAR?" will show on display. Press key number 4 will clear the current space to sale settings. Press key number 1 will return to "CUST STS".
Press key number 4 will show "SEL A1" alternating with columns assigned to blocks. Press key number 4 will show "FIRST A1" or the individual selection to start a block.
Press key number 2 to scroll to "FIRST E9" or the largest selection available.
Press key number 4 will show "LAST A1" or the last column for custom space to sales blocks.
Press key number 2 will show "LAST A1" or the largest column for custom space to sales blocks available.
Press key number 4 will show "SAVE?"
Press key number 4 will save the new settings.

IMPORTANT: Selection to Column assignments are only for each Tray. Example: Selection A1 can only be tied to columns on the A Tray.

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*** "CONFIG" - MACHINE CONFIGURATION**

This function allows the user to access and change the programming of the following machine configuration settings. Note: This routine is lockable when using a data collection device. If you press key number 4 and the display shows "LOC", this means configuration setting changes will not be allowed. If "CON 1" is displayed, then configuration setting changes will be allowed. "LOC" can only be enabled or disabled through DEX interrogation. If "CON1" is displayed, the listed settings are available. Note: You must press key number 4 with the configuration code displayed if you wish to enter the edit mode. The "0" or "1" will be flashing to acknowledge you are in the edit mode.

IMPORTANT: All machine configuration codes are disabled coming from the factory (CON # 0).

CON 1 - Configuration Switch 1 - Multi-Price Setting Mode

This code is used to enable the single price mode "CON 1 0" or multi-price mode "CON 1 1".
Press key number 4 and "CON 1 #" will be displayed, with the "#" flashing.
Press key numbers 2 or 3 to scroll between "CON 1 0" and "CON 1 1".
Press key number 4 with the display flashing the setting you wish to use.
Press key number 1 to return to "CON 1".
Press key number 2 to scroll to "CON 2".

CON 2 - Configuration Switch 2 - Optional Features Enable

This code is used to allow (CON 2 1) the following optional features to be displayed and enabled: "LIGHT", "DISCOUNT", "OVERRIDE", "SELBLCK1", and "SELBLCK2".
Press key number 4 and "CON 2 #" will be displayed with the # flashing.
Press key numbers 2 or 3 to scroll between "CON 2 0" and "CON 2 1".
Press key number 4 with the display flashing the setting you wish to use.
Press key number 1 to return to "CON 2".
Press key number 2 to scroll to "CON 3".

CON 3 - Configuration Switch 3 - POS Message

This code is used to disable the point of sale message. CON 3 0 = enabled, CON 3 1 = disabled.
Press key number 4 and "CON 3 #" will be displayed, with the "#" flashing.
Press key numbers 2 or 3 to scroll between "CON 3 0" and "CON 3 1".
Press key number 4 with the display flashing the setting you wish to use.
Press key number 1 to return to "CON 3".
Press key number 2 to scroll to "CON 4".

CON 4 - Configuration Switch 4 - Automatic Viewing of Historical Sales and Cash Accounting, ERROR or NONE

This code is used to enable viewing of historical sales, historical cash, ERROR or NONE automatically when the door is opened. To enable automatic viewing option enter "CON 4 1"; to disable enter "CON 4 0".
At "CON 4 0" ERROR or NONE automatically displays when the door is open.
Press key number 4 and "CON 4 #" will be displayed, with the "#" flashing.
Press key number 2 or 3 to scroll between "CON 4 0" and "CON 4 1".
Press key number 4 with the display flashing the setting you wish to use.
Press key number 1 to return to "CON 4".
Press key number 2 to scroll to "CON 5".

CON 5 - Configuration Switch 5 - Door Switch Reset Status

This code is used to reset all resettable data when the door switch is cycled and at least one data register is read via the display when set at "CON 5 1" or to reset all resettable data only when the "RESET" command is received via handheld or portable computer when set at "CON 5 0".
Press key number 4 and "CON 5 #" will be displayed, with the "#" flashing.
Press key numbers 2 or 3 to scroll between "CON 5 0" and "CON 5 1".
Press key number 4 with the display flashing the setting you wish to use.
Press key number 1 to return to "CON 5".
Press key number 2 to scroll to "CON 6".

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CON 6 - Configuration Switch 6 - Reserved
This code is reserved for future use.
Press key number 2 to scroll to “CON 7”.

CON 7 - Configuration Switch 7 - Save Credit
This code is used to determine how long a credit will be saved.
C7 0 will save the credit for five minutes. CON 7 1 will save the credit indefinitely.
Press key number 4 and “CON 7 #” will be displayed, with the “#” flashing.
Press key number 2 or 3 to scroll between CON 7 0 and CON 7 1.
Press key number 4 with the display flashing the setting you wish to use.
Press key number 1 to return to “CON 7”.
Press key number 2 to scroll to “CON 8”.

CON 8 - Configuration Switch 8 - Force Vend
This code is used to determine escrow to select or escrow to price.
CON 8 0 will set vender to escrow to select and CON 8 1 will set vender to escrow to price.
Press key number 4 and “CON 8 #” will be displayed, with the “#” flashing.
Press key number 2 or 3 to scroll between CON 8 0 and CON 8 1.
Press key number 4 with the display flashing the setting you wish to use.
Press key number 1 to return to “CON 8”.
Press key number 2 to scroll to “CON 9”.

CON 9 - Configuration Switch 9 - Multi Vend
This code is used to allow multiple vends without re-depositing funds.
CON 9 0 will not allow multiple vends and CON 9 1 will allow multiple vends.
Press key number 4 and “CON 9 #” will be displayed, with the “#” flashing.
Press key number 2 or 3 to scroll between CON 9 0 and CON 9 1.
Press key number 4 with the display flashing the setting you wish to use.
Press key number 1 to return to “CON 9”.
Press key number 2 to scroll to “CON 10”.

CON 10 - Configuration Switch 10 - Bill Escrow Inhibit
This code is used to allow last bill that meets or exceeds maximum vend price to be held in escrow.
CON 10 0 will escrow bill and CON 10 1 will not escrow bill (or stack the bill).
Press key number 4 and “CON 10 #” will be displayed, with the “#” flashing.
Press key number 2 or 3 to scroll between CON 10 0 and CON 10 1.
Press key number 4 with the display flashing the setting you wish to use.
Press key number 1 to return to “CON 1 0”.
Press key number 2 to scroll to the next configuration code.
Press key number 1 to return to “CONFIG”.
Press key number 2 will scroll to next routine.

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***"CHANGE" - CORRECT CHANGE ONLY CONTROL ROUTINE**

This function is used to allow consumer overpay, set a correct change value, and set an unconditional acceptance value.
Press key number 4 will enter "CONOVER#".

"CONOVERX" - Allow Consumer Overpay

This function allows the vender to vend with the risk of not being able to return the full amount of change. This function has to be turned on to be able to allow consumer overpay.
Press key number 4 and display will show "CONOVER#", where "#" is flashing.
CONOVER1 will allow consumer overpay (customer could potentially be shortchanged) and "CONOVER0" will not allow consumer overpay (will not allow customer to be shortchanged).
Press key number 2 or 3 to scroll between CONOVER0 and CONOVER1.
Press key number 4 with the display blinking the setting you wish to use. Display will return to "CONOVER#".
Press key number 2 to scroll to "CORR CHG".

"CORR CHG" - Correct Change Value

This is the function that the control board will use to set a value which will turn on the correct change indicator. Note: If "ACCEPT" is set, the "CORR CHG" should be equal to or less than the "ACCEPT".
Note: If the value set is 00.00, the correct change indicator will never come on.
If the controller determines that it cannot return the exact amount of the correct change value or any value less than it, then the indicator will be turned on.
Press key number 4 and the display will show "##.##'.
Press key number 2 or 3 to scroll from 00.00 to 99.99.
Press key number 4 with the display showing the value you wish to use. Display will return to "CORR CHG"
Press key number 2 to scroll to "ACCEPT".

"ACCEPT" - Unconditional Acceptance Value

This is the function that the control board will use to set the largest value of any single form or currency (coin or bill) that can be accepted without having enough change to pay back the full amount.
Press key number 4 and the display will show "##.##".
Press key number 2 or 3 to scroll from 00.00 to 99.95.
Press key number 4 with the display showing the value you wish to use. Display will return to "ACCEPT".
Press key number 1 to return to "CHANGE".
Press key number 2 to scroll to next routine.

***"PREVIEW" - PREVIEW DATA PASSWORD ROUTINE**

This function is used to enable viewing of cash collected, product sales, and error codes without opening the door. To view the data the 4 digit password (4-2-3-1) must be entered. Once entered the "CASH", "SALES", "ERROR", and "RETURN" menus are available from the front of the vender. To view, follow instructions for cash counter routine, sales counter routines, error routine and return.

To change "PREVIEW" password:
At "PREVIEW" press key number 4, "####" (representing current four digit password) will show on display with the far left digit blinking. Press key number 2 to scroll to number desired for password. Press key number 4. The next digit will start blinking, press key number 2 to scroll to number desired for password. Press key number 4. Continue this process until all 4 digits are set. Then press key number 4 and the display will return to "PREVIEW" and the new password has been saved. Pressing key number 1 at anytime during this routine will return to "PREVIEW" with no changes to password occurring.

Press key number 2 to scroll to next routine.

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***"LANGUAGE" - LANGUAGE ROUTINE**

This function is used to set the language that will be used for display messages. Note: This does not change the menu prompts.
Press key number 4 and the display will show the language currently set in the controller.
Press key number 2 or 3 to scroll through the languages available.

ENGLISH	-	English	ITALIAN	-	Italian	SLOVENE	-	Slovene
FRENCH	-	French	PORTUGES	-	Portuguese	FINNISH	-	Finnish
GERMAN	-	German	SPANISH	-	Spanish	NORWEG	-	Norwegian

With the language you wish to enter showing on the display, press key number 4.
The display will return to "LANGUAGE".
Press key number 2 to scroll to next routine.

***"TIME" - TIME AND DATE SETTING ROUTINE**

This function is used to set the year, month, date, and hour (military 24 hour clock).
Press key number 4 and "ENABLE X" will show on display.

"ENABLEX" - Time and Date Enable Routine

Press key number 4 and ENABLE0 = disabled or ENABLE1 = enabled will show on display.
Press key number 2 to scroll between ENABLE0 and ENABLE1.
Press key number 4 with the display showing the setting you wish to use and display will return to "ENABLEX".
Press key number 2 to scroll to "YEAR".

"YEAR" - Year Setting (00 to 99)

Press key number 4 and the current year setting will show on display.
Press key number 2 or 3 to change the last 2 digits of the year (00 to 99).
Press key number 4 with the display showing the year you wish to use and display will return to "YEAR".
Press key number 2 to scroll to "MONTH".

"MONTH" - Month Setting (01 to 12)

Press key number 4 and the current 2 digit month setting will show on display.
Press key number 2 or 3 to change the month (01 to 12).
Press key number 4 with the display showing the month you wish to use and display will return to "MONTH".
Press key number 2 to scroll to "DATE".

"DAY" - Day of Month Setting (1 to 31)

Press key number 4 and the current 2 digit day of month setting will show on display.
Press key number 2 or 3 to change the day of month (1 to 31).
Press key number 4 with the display showing the day you wish to use and display will return to "DAY".
Press key number 2 to scroll to "HOUR".

"HOUR" - Hour and Minute Setting (0000 to 2359)

Press key number 4 and the current 4 digit hour and minute setting will be displayed (24 hour).
The hour setting will be blinking to indicate it can be changed. Press key number 2 or 3 to change the hour setting. Press key number 4 to save and the minute setting will start blinking to indicate it can be changed. Press key number 2 or 3 to change the minute setting. Press key number 4 will save and return display to "HOUR".
Press key number 2 to scroll to "DST".

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"DST" - Daylight Saving Time Setting

This function is used to set the preferred daylight savings time setting.
Press key number 4 will display the current setting.
Press key number 2 or 3 to scroll through the "DST" options listed:

- "OFF", no daylight savings time changes made.
- "AUSTRAL", 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.
- "EUROPE", 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.
- "NAMERICA", 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.

Press key number 4 with the display showing the setting you wish to use and display will return to "DST".
Press key number 1 to return to "TIME".
Press key number 2 to scroll to next routine.

***"LIGHTING" - LIGHTING CONSERVATION CONTROL ROUTINE (Con 2 Must Be Enabled - C2 1)**

This function is used to turn the lights off and on during certain periods of the day.
Press key number 4 will enter "ENABLE X".

"ENABLEX" - Lighting Conservation Control Enable Routine

This function is used to disable Lighting Conservation Control "ENABLE0" (lights will be on at all times) or enable Lighting Conservation Control "ENABLE1" (lights can be set to turn off).
Press key number 4 and the current "ENABLEX" setting will be displayed.
Press key number 2 or 3 to scroll between "ENABLE0" and "ENABLE1".
Press key number 4 with the display showing the setting you wish to use.
Press key number 2 to scroll to "STRT TIM".

"STRT TIM" - Start Lighting Conservation Setting (lights off)

This function is used to set the days and time to start light conservation when "ENABLE 1" is selected.
Press key number 4 and "STRT DAY" will show on the display.

"STRT DAY" - Day to Start Setting

This function is used to set the days of the week to start light conservation.
Press key number 4 and "XXXXXX#" will show on the display, where XXXXXX will be the day of the week (i.e. MONDAY, TUEDAY, WEDDAY, THUDAY, FRIDAY, SATDAY, SUNDAY, EVRDAY) and # is 0 = disable, 1 = enable. With the display showing the day you wish to set press key number 4. The # will start blinking. Press key number 2 or 3 to scroll between "XXXXXX0" and "XXXXXX1". Press key number 4 with the display showing the setting you wish to use. Display will return to "XXXXXX#".
Press key number 2 to scroll to the next day to set or press key number 1 to return to "STRT DAY".
Press key number 2 to scroll to "STRT HR".

"STRT HR" - Start Hour and Minute Setting

This function is used to set the hours to start light conservation (lamps off).
Press key number 4 and "hhmm" will show on the display, where "hh" is the hour (military time) and "mm" is the minute. "hh" will be blinking, indicating the hour setting may be changed. Press key number 2 to scroll from 00 to 23. With the display showing the hour you wish to start light conservation, press key number 4. "mm" will start blinking, indicating the minute setting may be changed. Press key number 2 to scroll from 00 to 59. With the display showing the minute you wish to start light conservation, press key number 4. The display will return to "STRT HR".
Press key number 1 to return to "STRT TIM".
Press key number 2 to scroll to "STOP TIM".

"STOP TIM" - Stop Light Conservation Setting (lights on)

This function is used to set the days and time to stop light conservation.
Press key number 4 and "STOP DAY" will show on the display.

"STOP DAY" - Day To Stop Setting

This function is used to set the days of the week to stop light conservation and can be set in the same manner as Day to Start Setting.

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"STOP HR" - Stop Hour and Minute Setting
This function is used to set the hours and minutes to stop light conservation and can be set in the same manner as Start Hour and Minute Setting.
Press key number 1 to return to "STOP TIM".
Press key number 1 to return to "LIGHTING".
Press key number 2 to scroll to next routine.

***"REFRIG" - REFRIGERATION ROUTINE**
This function is used to electronically control the refrigeration operations of the vender. Press key number 4 will enter "ENABLE X".

"ENABLE X" - Energy Conservation Enable Routine
This function is used to disable Energy Conservation "ENABLE 0" or enable Energy Conservation "ENABLE 1". When enabled the cabinet temperature will be allowed to rise to the programmed storage level ("STORAGE") during the following programmed time blocks.
Press key number 4 and the current "ENABLE X" setting will be displayed.
Press key number 2 or 3 to scroll between "ENABLE 0" and "ENABLE 1".
Press key number 4 with the display showing the setting you wish to use.
Press key number 2 to scroll to "STRT TIM".

"STRT TIM" - Start Energy Conservation
This function is used to set the days and time to start Energy Conservation when "ENABLE1" is selected.
Press key number 4 and "STRT DAY" will show on the display.

"STRT DAY" - Day to Start Setting
This function is used to set the days of the week to start Energy Conservation.
Press key number 4 and "XXXXXX#: will show on the display, where XXXXXX will be the day of the week (i.e. MONDAY, TUESDAY, WEDDAY, THUDAY, FRIDAY, SATDAY, SUNDAY, EVRDAY) and # is 0 = disable, 1 = enable. With the display showing the day you wish to set press key number 4. The # will start blinking. Press key number 2 or 3 to scroll between "XXXXXX0" and "XXXXXX1". Press key number 4 with the display showing the setting you wish to use. Display will return to "XXXXXX#". Press key number 2 to scroll to the next day to set or press key number 1 to return to "STRT DAY".
Press key number 2 to scroll to "STRT HR".

"STRT HR" - Start Hour and Minute Setting
This function is used to set the hours to start Energy Conservation.
Press key number 4 and "hhmm" will show on the display, where "hh" is the hour (military time) and "mm" is the minute. "hh" will be blinking, indicating the hour setting may be changed. Press key number 2 to scroll from 00 to 23. With the display showing the hour you wish to start Energy Conservation, press key number 4. "mm" will start blinking, indicating the minute setting may be changed. Press key number 2 to scroll from 00 to 59. With the display showing the minute you wish to start Energy Conservation, press key number 4. The display will return to "STRT HR".
Press key number 1 to return to "STRT TIM".
Press key number 2 to scroll to "STOP DAY".

"STOP TIM" - Stop Energy Conservation
This function is used to set the days and time to stop energy conservation when "ENABLE 1" is selected.
Press key number 4 and "STOP DAY" will show on the display.

"STOP DAY" - Day to Stop Setting
This function is used to set the days of the week to stop energy conservation and can be set in the same manner as "STRT DAY" and "STRTHR".

"STOP HR" - Stop Hour and Minute Settings
This function is used to set the hours and minutes to stop energy conservation and can be set in the same manner as "START HR".
Press key number 1 to return to "STOP TIM".
Press key number 2 to scroll to "DEGREES".

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"DEGREES" - Degree Fahrenheit / Celsius Setting Routine
This function is used to set the degree reading to Fahrenheit (DEGREESF) or Celsius (DEGREESC).
Press key number 4 and "DEGREESX", where the current setting (X) will be blinking. Press key number 2 or 3 to scroll between DEGREESF and DEGREESC.
Press key number 4 with the display blinking the setting you wish to use.
Press key number 1 to return to "DEGREES".
Press key number 2 to scroll to "SETPOINT".

"SETPOINT" - Set Point Control Routine (Default Temperature 35.0° F / 1.5° C)
This function is used to set the average product temperature for initial pull down and reload recovery.
Press key number 4 and "tt.tx" will show on the display where x is F (Fahrenheit) or C (Celsius) and tt.t is the degrees.
Press key number 2 to increase or 3 to decrease the number by 1° F or 0.5° C. With the display showing the set point temperature you wish to use, press key number 4.
Press key number 2 to scroll to "STORAGE".

"STORAGE" - Storage Setting Routine (Default Temperature 60.0° F / 15.5° C)
This function is used to set the temperature for product storage and is used when Energy Conservation is enabled.
Press key number 4 and "tt.tx" will show on display when X is F (Fahrenheit) or C (Celsius) and tt.t is the degrees.
Press key number 2 to increase and 3 to decrease the number by 1° F or 0.5° C. With the display showing the storage setting you wish to use, press key number 4.
Press key number 2 to scroll to "DISPLYX".

"DISPLYX" - POS Temperature Display Enable Routine
This function is used to enable the POS Temperature to be displayed following the "ICE COLD COCA COLA" POS message.
Press key number 4 and " DISPLYX" will show on the display where x is the current setting. With "X" blinking, press key number 2 or 3 to scroll between "DISPLY0" disabled or not displayed and " DISPLY1" enabled or displayed. With the display showing the setting you wish to use, press key number 4.
Press key number 1 to return to "REFRIG".
Press key number 2 to scroll to next routine.

***"SELBLCK1" - BLOCK SELECTION BANK 1 ROUTINE (CON 2 must be enabled - C2 1)**
This function is used to set selections which will be blocked during certain periods of the day.
Press key number 4 will enter "ENABLE X".

"ENABLEX" - Blocking Enable Routine
This function is used to disable blocking "ENABLE0" or enable blocking "ENABLE1".
When enabled, active selections will not be allowed to vend on the days and times programmed.
Press key number 4 and the current "ENABLE" setting will be displayed.
Press key number 2 or 3 to scroll between "ENALBE0" and "ENABLE1".
Press key number 4 with the display blinking the setting you wish to use.
Display will return to "ENABLEX".
Press key number 2 to scroll to "STRT TIM".

"STRT TIM" - Start Selection Blocking Routine
This function is used to set the day(s) and time to start selection blocking.
Press key number 4 and "STRT DAY" will show on the display.

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"STRT DAY" - Day of Week Start Setting

This function is used to set the day(s) of the week to start selection blocking.
Press key number 4 and "XXXXXX#" will show on the display, where XXXXXX will be the day of the week (i.e. MONDAY, TUEDAY, WEDDAY, THUDAY, FRIDAY, SATDAY, SUNDAY, EVR DAY) and # is 0 = disable, 1 = enable.
With the display showing the day you wish to set press key number 4.
The # will start blinking. Press key number 2 or 3 to scroll between "XXXXXX0" and "XXXXXX1."
Press key number 4 with the display showing the setting you wish to use.
Display will return to "XXXXXX#'.
Press key number 2 to scroll to the next day to set or press key number 1 to return to "STRT DAY".
Press key number 2 to scroll to "STRT HR".

"STRT HR" - Start Hour and Minute Setting

This function is used to set the hours and minutes to start selection blocking.
Press key number 4 and "hhmm" will show on the display, where hh is the hour (military time) and mm is the minute. "hh" will be blinking, indicating the hour setting may be changed.
Press key number 2 to scroll from 00 to 23. With the display showing the hour you wish to start selection blocking, press key number 4. "mm" will then start blinking, indicating the minute setting may be changed.
Press key number 2 to scroll from 00 to 59. With the display showing the minute you wish to start selection blocking, press key number 4. The display will return to "STRT HR".
Press key number 1 to return to "STRT TIM".
Press key number 2 to scroll to "STOP TIM".

"STOP TIM" - Stop Selection Blocking Routine

This function is used to set the day(s) and times to stop selection blocking.
Press key number 4 and "STOP DAY" will show on the display.

"STOP DAY" - Day of Week Stop Setting

This function is used to set the days of the week to stop selection blocking and can be set in the same manner as Day of Week Start Setting.

"STOP HR" - Stop Hour and Minute Setting

This function is used to set the hours and minutes to stop selection blocking and can be set in the same manner as Start Hour and Minute Setting.
Press key number 1 to return to "STOP TIM".
Press key number 2 to scroll to "SELECT".

"SELECT" - Selection To Be Affected By Blocking

This function is used to set selection(s) which will be blocked during certain periods of the day.
Press key number 4 and "SELA1#" will be displayed, where # is the current setting for the selection number displayed. 0 = disabled; 1 = enabled.
Press key number 2 to scroll to the key number setting you desire to change.
Press key number 4 with the key number showing you wish to change (i.e. SELA1#) and the # will start blinking.
Press key number 2 or 3 to scroll between SELA1 0 and SELA1 1.
Press key number 4 with the display showing the setting you wish to use.
Display will return to SELA1#.
Press key number 1 to return to "SELECT".
Press key number 2 to scroll to "LIGHT".

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"LIGHTX" - Lighting / P.O.S. Display Control
This function is used to turn the lights (if supported) and P.O.S. Display Message off during selection blocking period 1. 0 = disable or on; 1 = enable or off.
Press key number 4 and the "#" will start flashing.
Press key number 2 or 3 to scroll between "LIGHT0" and "LIGHT1".
Press key number 4 with the display showing the setting you wish to use.
Display will return to "LIGHTX".
Press key number 1 to return to "SELBLCK1".
Press key number 2 to scroll to "SELBLCK2".

***"SELBLCK2" - BLOCK SELECTION BANK 2 ROUTINE**
This function is a second set used to set selection(s) which will be blocked during certain periods of the day.
Press key number 4 will enter "ENABLEX".

"ENABLEX" - Blocking Enable Routine.
Set this function using instruction for "ENABLEX" in "SELBLCK1".

"STRT TIM" - Start Selection Blocking Routine
This function is used to set the day(s) and times to start selection blocking.
Press selection button 4 and "STRT DAY" will show on the display.

"STRT DAY" - Day of Week Start Setting
Set this feature using instructions for "SELBLCK1", "STRT TIM", "STRT DAY".

"STRT HR" - Start Hour and Minute Setting
Set this function using instructions for "SELBLCK1", "STRT TIM", "STRT HR".

"STOP TIM" - Stop Selection Blocking Routine.
This function is used to set the day(s) and times to stop selection blocking.
Press key number 4 and "STOP DAY" will show on the display.

"STOP DAY" - Day of Week Stop Setting
Set this function using instructions for "SELBLCK1", "STOP TIM", "STOP DAY".

"STOP HR" - Stop Hour and Minute Setting
Set this function using instructions for "SELBLCK1", "STOP TIM", "STOP HR".
Press key number 1 to return to "STOP TIM".
Press key number 2 to scroll to "SELECT".

"SELECT" - Selection To Be Affected By Blocking
This function is used to set selection(s) which will be blocked during certain periods of the day.
Set this function using instructions for "SELBLCK1", "SELECT".
Press key number 1 to return to "SELECT".
Press key number 2 to scroll to "LIGHTX".

"LIGHTX" - Lighting / P.O.S. Display Control
This function is used to turn the lights (if supported) and P.O.S. Display Message off during selection blocking period 2.
Set this function using instructions for "SELBLCK1", "LIGHT".
Press key number 1 to return to "SELBLCK2".
Press key number 2 to scroll to "DISCOUNT".

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***"DISCOUNT" - DISCOUNT SETTING ROUTINE**

This function is used to set the day(s) and times to allow discount prices.
Press key number 4 and ENABLE X will show on the display.

"ENABLE X" - Discount Setting Enable Routine
This function is used to disable discounting "ENABLE 0" or enable discounting "ENABLE 1".
Press key number 4 and the current "ENABLE X" setting will be displayed.
Press key number 2 or 3 to scroll between "ENABLE 0" and "ENABLE 1".
Press key number 4 with the display blinking the setting you wish to use.
Display will return to "ENABLE X".
Press key number 2 to scroll to "STRT TIM".

"STRT TIM" - Start Discount Pricing
This function is used to set the day(s) and times to start discount prices.
Press key number 4 and "STRT DAY" will show on the display.

"STRT DAY" - Day of the Week Start Setting
Set this feature using instructions for "SELBLCK1", "STRT TIM", "STRT DAY".

"STRT HR" - Start Hour and Minute Settings
Set this feature using instructions for "SELBLCK1, "STRT TIM", "STRT HR".

"STOP TIM" - Stop Discount Pricing
This function is used to set the day(s) and times to stop discount prices.
Press key number 4 and "STOP DAY" will show on the display.

"STOP DAY" - Day to Stop Setting
Set this feature using instructions for "SELBLCK1", "STOP TIM", "STOP DAY".

"STOP HR" - Stop Hour and Minute Setting
Set this function using instructions for "SELBLCK1", "STOP TIM", "STOP HR".

"SELECT" - Selection Affected by Discount Pricing
This function is used to set selection(s) which will be affected by discount prices.
Press key number 4 and "SEL A1 #" will be displayed, where # is the current setting for the selection number displayed. 0 = disabled, 1 = enabled.
Press key number 2 to scroll to the key number you desire to change.
Press key number 4 with the key number showing you wish to change (i.e. SELA1 #) and the # will start blinking.
Press key number 2 or 3 to scroll between "SELA10" and "SELA11".
Press key number 4 with the display showing the setting you wish to use.
Display will return to "SELA11".
Press key number 1 to return to "SELECT".
Press key number 2 to scroll to "LESS AMT".

"LESS AMT" - Discount Amount (Price)
This function is used to set the discount amount (price) for selection(s) and times set. Press key number 4 and "##.##" will be displayed, where "##.##" is the current discount price that is set. Press key number 2 or 3 to change the price (00.00 to 99.99).
Press key number 4 with the display showing the price setting you wish to use.
Display will show price.
Press key number 1 to return to "LESS AMT".
Press key number 1 to return to "DISCOUNT".
Press key number 2 to scroll to "OVERRIDE".

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"OVERRIDE" - MANUAL SWITCH OVERRIDE ROUTINE

This function is used to allow a key switch to override some of the settings stored for normal operations. This function can be programmed to control one or several of the following features: Free Vend Enable, Selection Blocking, Discount Pricing, and Lighting Control.
Press key number 4 and the display will show "FREE X".
Press key number 2 or 3 to scroll through the override routines available.
Press key number 1 to return to "OVERRIDE".

"FREE X" - Free Vend Enable Routine

This function is used to set the vender to free vend. 0 = disable, 1 = enable.
Press key number 4 and "#" will start flashing.
Press key number 2 or 3 to scroll between "FREE 0" and "FREE 1".
Press key number 4 with the display blinking the setting you wish to use.
Display will return to "FREE X".
Press key number 2 to scroll to "NO VENDX".

"NOVEND X" - No Vend (Vend Override) Enable Routing

This function is used to set vender selections to not be allowed to vend and a "NO SALE" message to be displayed. 0 = disable, 1 = enable.
Press key number 4 and "#" will start flashing.
Press key number 2 or 3 to scroll between NOVEND 0 and NOVEND 1.
Press key number 4 with the display showing the setting you wish to use. Display will return to "NOVEND X".
Press key number 2 to scroll to "BLOCKX".

"BLOCK X" - Selection Blocking Override Routine

This function is used to override "SELBLCK1" and "SELBLCK2" if they are being used. "BLOCK 0" is disabled, "BLOCK 1" is enabled.
Press key number 4 and "#" will start flashing.
Press key number 2 or 3 to scroll between "BLOCK 0" and "BLOCK 1".
Press key number 4 with the display blinking the setting you wish to use.
Display will return to "BLOCK X".
Press key number 2 to scroll to "DISC X".

"DISC X" - Discounting Override Routine

This function is used to override "DISCOUNT" if it is being used. "DISC 0" is disabled and "DISC 1" is enabled.
Press key number 4 and "#" will start flashing.
Press key number 2 or 3 to scroll between "DISC 0" and "DISC 1"
Press key number 4 with the display showing the setting you wish to use.
Display will return to "DISC X".
Press key number 2 to scroll to "LIGHT X".

"LIGHT X" - Lighting Control Override Routine

This function is used to override "LIGHT'" if it is being used. "LIGHT 0" is disabled and "LIGHT 1" is enabled.
Press key number 4 and "#" will start flashing.
Press key number 2 or 3 to scroll between "LIGHT 0" and "LIGHT 1".
Press key number 4 with the display blinking the setting you wish to use.
Display will return to "LIGHT X".
Press key number 2 to scroll to "REFRIG X".

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"REFRIG X" - Refrigeration Control Override Routine
This function is used to override "REFRIG", if it is being used. "REFRIG 0" = disabled and "REFRIG 1" = enabled.
Press key number 4 and "#" will start flashing.
Press key number 2 or 3 to scroll between "REFRIG 0" and "REFRIG 1".
Press key number 4 with the display showing the setting you wish to use.
Display will return to "REFRIG X".
Press key number 1 to return to "OVERRIDE".
Press key number 2 to scroll to "RVNDMECH".

"RVNDMECH" - REMOTE VEND MECHANISM ROUTINE
This function is used to activate the Universal Satellite Device Control routine.
Press key number 4 to enter routine. If the controller detects a device responding to the remote vend mechanism address (USD address #3,50H), the vend request commands for this device will be controlled by the following parameters.

"STRT TIM" - Start Time Setting Routine
This function is used to set the day(s) and time to start the routine.
Press key number 4 and "STRT DAY" will show on the display.

"STRT DAY" - Day of week to start setting
Set this feature using instructions for "SELBLCK1", "STRT TIM", "STRTDAY".

"STRT HR" - Start hour and minute settings
Set this feature using instructions for "SELBLC1", "STRT TIM", "STRT HR".

"STOP TIM" - Stop Time Setting Routine
This function is used to set the day(s) and time to stop the routine.
Press key number 4 and "STOP DAY" will show on the display.

"STOP DAY" - Day of week to stop setting
Set this feature using instructions for "SELBLCK1", "STOP TIM", "STOP DAY".

"STOP HR" - Stop hour and minute settings
Set this feature using instructions for "SELBLCK1", "STOP TIM", "STOP HR".

"SELECT" - Selection Setting Routine
This feature is used to set the selection(s) which will be affected by the Remote Vend Mechanism routine.
Press key number 4 and "SEL A1 #" will be displayed, where # is the current setting for the selection number displayed. 0 = disabled, 1 = enabled.
Press key number 2 to scroll to the select button number you desire to change.
Press key number 4 with the select button number showing you wish to change (i.e. SEL A1 #) and the # will start blinking.
Press key number 2 or 3 to scroll between "SEL A1 0" and "SEL A1 1".
Press key number 4 with the display showing the setting you wish to use.
Display will return to "SEL ## #".
Press key number 1 to return to "SELECT".
Press key number 2 to scroll to "VND RATE".

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"VND RATE" - Universal Satellite Device (USD) Vend Rate Routine
This function is used to set the vend rate (0-255).
Press key number 4 and the current vend rate (0-255) will show on the display.
Press key number 2 to increase, or 3 to decrease the number in single digit increments.
NOTE: A rate of "0" disables the USD. All other rates, #, will cause a vend command every #'th local vend.
Press key number 4 with the display showing the vend rate you wish to use and the display will return to "VND RATE".
Press key number 1 to return to "RVNDMECH".
Press key number 2 to scroll to "RETURN".

"GRABMODE" - GRABMODE SETTING ROUTINE
This function is used to set the Grabmode. When enabled, this mode will vend one time from a column and cancel credit.
Press key number 4 and "ENABLEX" will show on display.
Press key number 4 and the current "GRABMODE" setting will show on the display (ENABLE0 or ENABLE1) with the "0" or "1" blinking.
Press key number 2 or 3 to toggle between "ENABLE1" and "ENABLE0".
ENABLE1 means GRABMODE is turned on and credit will cancel when a column's vend mech cycles.
ENABLE0 means GRABMODE is disabled and the vender will cancel credit upon product delivery through the delivery door. This function is set at "ENABLE 0" from the factory.
Press key number 4 with the display showing the GRABMODE setting you wish to use and the display will return to "ENABLEX".
Press key number 1, display will return to "GRABMODE".
Press key number 2 to scroll to "RETURN".

HEALTH" – HEALTH SETTING ROUTINE
This function is used to enable the health protection feature for product when needed. When enabled it operates as follows:

1. Cabinet temperature must be maintained at 41 degrees F (5 degrees C) or below for product to be vended while in normal operation. If the cabinet temperature exceeds 41 degrees F, and fails to return to 41 degrees F or below for 15 minutes the controller will issue a "HCOD" error and disable vending of health protected products.
2. After door closure, (refill or service) the machine has 30 minutes to pull down to 45 degrees F (7 degrees C). If the machine has not reached 45 degrees F (7 degrees C) after 30 minutes the controller will issue a "HTIN" error. Once a health time error is activated the controller will not allow product to be delivered. After 30 minutes if the temperature is 45 degrees F or less, but not 41 degrees F the controller will set a 15 minute timer. During this time, if the cabinet temperature falls below 41 degrees F (5 degrees C) the controller will allow health guarded product to be delivered. If the temperature doesn't fall below 41 degrees F (5 degrees C) the controller will issue a "HCOD" error and disable vending of health protected products.
3. Power loss for 30 minutes or longer will result in automatic "HCOD" error activation and disable vending of health protected products upon power up.
4. Power loss less than 30 minutes. Once the machine regains power, if the cabinet temperature is 45 degrees F (7 degrees C) or less the controller will allow product to be dispensed. The controller will allow an additional 15 minutes for the temperature to pull down to 41 degrees F (5 degrees C). If the temperature doesn't reach 41 degrees F (5 degrees C) or less after the 15 minute period the controller will issue a "HCOD" error and disable vending of health protected products. If the temperature is greater than 45 degrees F (7 degrees C) on power up the controller will automatically set a "HCOD" error and disable vending of health protected products.
5. Power loss less than 15 minutes. On power up the controller will allow vending. If the cabinet temperature doesn't reach 41 degrees F (5 degrees C) or less in 15 minutes the controller will issue a "HCOD" error and disable vending of health protected products.

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To enable, with "HEALTH" on display press key number 4 will enter "ENABLE X".

"ENABLE X" – Health Enable Routine

This function is used to enable the Health Protection feature. When enabled, protected selections will only be allowed to vend if health constraints listed above are met.
Press key number 4 and the current "ENABLE" setting will be displayed.
Press key number 2 or 3 to scroll between "ENABLED 0" and "ENABLED 1".
Press key number 4 with the display blinking the setting you wish to use.
Display will return to "ENABLED X".
Press key number 2 to scroll to "SELECT".

"SELECT" – Selection(s) To Be Affected By Health Protection

This function is used to set selection(s) which will be protected by the Health Protection constraints. Press key number 4 and "ALL SELECTS" will be displayed. Press key number 2 to scroll through "ALL SELECTS, A, B, C, D, and E". Press key number 4 with the setting you wish to enter. Selecting "A, B, C, D, or E" will allow you to chose settings for that tray. Example: With "A" showing on display press key number 4. Display will show "A ALL SELECTS #", press key number 2 to scroll through "A ALL SELECTS #, SEL A1 #, SEL A2 #, SEL A3 #, etc… With the setting you wish to change press key number 4 and the # will start blinking. Press key number 2 to scroll between "0" disabled and "1" enabled. With the setting you wish to use showing on the display press key number 4. Display will return to "A ALL SELECTS # or SEL A# #".
Press key number 1 to return to "SELECT".
Press key number 2 to scroll to "RECHECKX"

"RECHECKX" – Recheck Feature

This function is used to allow an additional 45 minute period to bring the cabinet temperature down to 41 degrees F (7 degrees C). When this feature is enabled it will operate as follows:
After a "HtIn" error has been issued (i.e. the cabinet temperature has not dropped below 45 degrees F in 30 minutes). The controller will perform 3 rechecks of the temperature in the next 45 minute period. Rechecks will occur in 15 minute intervals. During this period the controller will not allow vending to occur on health guarded selections.

1. If the cabinet temperature reaches 41 degrees F (5 degrees C) or less during this time the "HtIn" error will be cleared. The controller will allow health guarded product to be delivered.
2. If after the 3rd recheck period the temperature is greater than 41 degrees F (5 degrees C). The controller will clear the "HtIn" error, set the "RCHE" error and vending health guarded products will continue to be disabled.
3. If during the recheck period, any temperature reading that is greater than the previous reading (a trend leading in the upwards direction) will result in clearing the "HtIn" error, setting the "RCHE" error and vending health protected products will continue to be disabled.

"RETURN" - RETURN TO SALES MODE

Press key number 4 will exit Service Mode and return to Sales Mode.

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PROGRAMMING

COCA-COLA PROGRAMMING METHOD
QUICK REFERENCE MENU PROMPTS

Select Button 1: Abort / Cancel (will return to previous menu prompt or to normal door open mode)
Select Button 2: Scroll Up (forward in menu)
Select Button 3: Scroll Down (backward in menu)
Select Button 4: Enter / Save / Clear (allows you to enter a specific prompt, save what you have programmed, or clear the error prompts)

**ERROR - Error Readout Routine
- ** VENDMECH - Vend Mechanism Error
  - COLJAM# - Column Jam
- **CONTROL - Control System Error
  - DOORSWIT - Door Switch
  - RAM ERR - Board Check Sum
  - AC LOW - Voltage Low
  - SCALEER - Scale Factor
- **SELECTSW - Select Switch Error
  - SELSW# - Select Switch
- **CHANGER - Changer Error
  - COINCOMM - Changer Communication
  - TUBESENS - Tube Sensor
  - COININLE - Inlet Chute Blocked
  - TUBJAM# - Tube Jam
  - COINROM - Changer ROM
  - EXCESSES - Excessive Escrow Attempt
  - COINJAM - Coin Jam Coin Mech
  - LOWACCEP - Low Coin Accept Rate
  - ACCDISCN - Acceptor Unplugged
  - ROUTING - Coin Mis-Routed
- **BILLVAL - Bill Validator Error
  - BILLCOMM - Validator Communication
  - BILL FULL - Stacker Full
  - BILL MOT - Defective Motor
  - BILL JAM - Bill Jam
  - BILL ROM - Check Sum
  - BILL OPEN - Open Stacker
  - BILL SENS - Validator Sensor
- **CARD RDR - Card Reader Error
  - CARDCOMM - No Reader Communication
  - CARD# - Failed Reader
- **ONLINE - Online Module Error
  - ONLINE - No Communication
  - ONL COMM - Network Not Responding
  - ONL INTL - Internal Online Problem
- **RVEND - Remote Vend Mechanism Error
  - RV COMM# - No Communication
  - RVEND# # - Indicates Error Code
- **SEL/DISP - Selection / Display Device Error
  - S/D COMM - No Communication
- **REFRIG - Refrigeration Error
  - TEMPSENS - Temp Sensor Bad
  - TOO COLD - 3° Below Lower Limit
  - TOO HOT - 3° Above Lower Limit
  - NO COOL - Failed System
- **DNC ERR - Dixie-Narco Corporation Errors
  - MB COMM - Machine Board No Communication
  - ELEVATOR - Elevator Failed
  - CONVEYOR - Conveyor Failed
  - PORT DR - Switch Bad
- **HEALTH - Health Timer Errors
  - HTIN - Health Timer Error
  - HCOD - Health Code Error
  - RCHE - Recheck Error

**COINPAYO - Coin Payout Mode
**TUBEFILL - Tube Fill Mode
**TESTMODE - Test Routine
- TESTVEND - Vend Testing
- TEST SEL - Select Switch Test
- DISPLAY - Display Test
- RELAYS - Relay Test

**PASSWORD - Password
**CASH - Cash Counter Routine
- CASH/######## - Historical Cash Counter / Vender
- CARD/#######.## - Historical Card Reader Cash Counter

**SALES - Sales Counter Routine
- SALES/######### - Historical Vend Counter/Vender
- COL A1/#####/##### - Resettable Vend Counter/Select

**PRICE - Price Setting Routine
- PR# - Price For Each Selection

**STS PROG - Space-To-Sales Settings
**CONFIG - Machine Configuration
- CON# (# = 1 thru 10) CON#0 (off)
- (see below) CON#1 (on)

CHANGE - Correct Change Settings
PREVIEW - Password Setting
LANGUAGE - Language Setting
TIME - Time and Date Setting
LIGHTING - Light Conservation Setting
REFRIG - Energy Conservation Setting
SELBLCK1 - Select Blocking Settings
SELBLCK2 - Select Blocking Settings
DISCOUNT - Discount Price Settings
OVERRIDE - Manual Switch Override Setting
RVEND - Remote Vend Mech Setting
GRABMODE - Grabmode Setting
HEALTH - Health Protection Feature
RETURN - Return

** Prompts listed with asterisks are the only programs accessible coming from the factory. If other programs are desired, they need to be turned on in the machine configuration code programs. Note: To enter "AUTO", at the "PASS" prompt, enter the correct password to enter Auto Test.

CONFIG: Machine Configuration

CON 1 Single Price / Multi Price
CON 2 Optional Features
CON 3 POS Message
CON 4 Auto View SALES and CASH
CON 5 Door Switch Reset
CON 6 Reserved
CON 7 Save Credit
CON 8 Force Vend
CON 9 Multi Vend
CON 10 Bill Escrow

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GENERAL MAINTENANCE

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

POWER

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

CAUTION:
REMOVE POWER TO THE AC DISTRIBUTION BOX WHEN ANY ELECTRICAL COMPONENTS ARE CONNECTED / DISCONNECTED FOR TESTING OR REPLACEMENT.

CLEANING

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

GLASS DOOR

The display glass should be cleaned inside and out with paper towels and glass or non-abrasive all-purpose cleaner. The gasket around the product door should be wiped down using warm water, any mild general purpose, non-abrasive cleaner and a soft towel. Never lubricate the gasket and always check for cracking or deformities which may cause leaks. Replace if necessary.

TRAYS / TRAY INSERTS

The trays and tray inserts should be cleaned periodically using warm water and a mild general purpose, non-abrasive cleaner. Care should be taken to ensure water does not enter the solenoids. **DO NOT USE SOLVENTS OR ABRASIVE MATERIALS TO CLEAN ANY PORTION OF THE TRAY.**

SLIDE/PUSHER ASSEMBLY

The slide/pusher assembly should be cleaned periodically using warm water and any mild general-purpose non-abrasive cleaner. After drying, the slide assembly needs to have a coat of Armorall applied. Care should be taken to ensure liquid does not enter solenoids. **DO NOT USE SOLVENTS OR ABRASIVE MATERIALS TO CLEAN ANY PORTION OF THE TRAY.**

CABINET

Wash the cabinet with a good detergent or soap mixed in warm water. Wax the vender often with a good grade of automobile wax. Any corrosion inside the vender should be removed with fine steel wool and the area should be painted with white paint.

Repair any scratches on painted surfaces to prevent corrosion.

DRAIN PAN

Check the drain pan periodically for dirt, debris, and proper alignment. Clean as needed. Ensure nothing obstructs the drain tube and drain hose.

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

REFRIGERATION CONDENSER

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

COIN ACCEPTOR

Follow the Coin Acceptor Manufacturer's instructions.

LUBRICATING THE VENDER

The vender refrigeration system does not require any field lubrication. The hermetic refrigeration system and fan motors are manufactured with lifetime lubrication.

EPROM REPLACEMENT

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

To change EPROM:
Remove power to the AC Distribution Box.
Remove existing EPROM.
Replace the EPROM. (The EPROM's legs bend easily. Remove and replace very carefully.)
Note the alignment notch at one end of the EPROM and on the control board. The notches must be matched or problems will occur. Appy power to the AC distribution box. Display will scroll "*/SOFTWARE/REV###.##/ICE COLD COCA-COLA/##.##". (SEE PAGE 81 FOR EPROM LOCATIONS)

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MAJOR COMPONENT DESCRIPTION

AC DISTRIBUTION BOX

110 VAC

15 Amp Outlet (110 VAC)	Provides power to refrigeration unit.
Transformer (T1)	Provides 24 Volt and 12 Volt (center tap) power to the Controller Board.
Fuse (Top)	10 Amp, 32 Volt, SloBlo; protects 24 Volt input to Controller Board from secondary of T1.
Fuse (Bottom)	2 Amp, SloBlo; protects 12 Volt input to Controller Board from secondary, center tap of T1.
Varistor	Across incoming AC power to remove large power spikes.
Choke (Domestic)	Foster A-16015-01 5mH 6A.
Choke (Export)	Foster A-160405 5mH 6A (220Volts)

REFRIGERATION UNIT

110 VAC

Compressor	Aspera, 1/2 HP, 115 VAC, 60 Hz, 1 Phase T6213Z Unit uses 13 oz. of 134A refrigerant
Start Relay	110 VAC - T1 9660-041-180 Double Pole, 115 VAC
Start Capacitor	110 VAC - 189227
Thermal Overload	110 VAC - T1 MST16AFN-3001
Condenser Fan	16W Motor 110 VAC FV100CW25S Blade - 10” dia.
Evaporator Fan	Motor 110 VAC - SPGE9HBV1 Blade - 8” dia.

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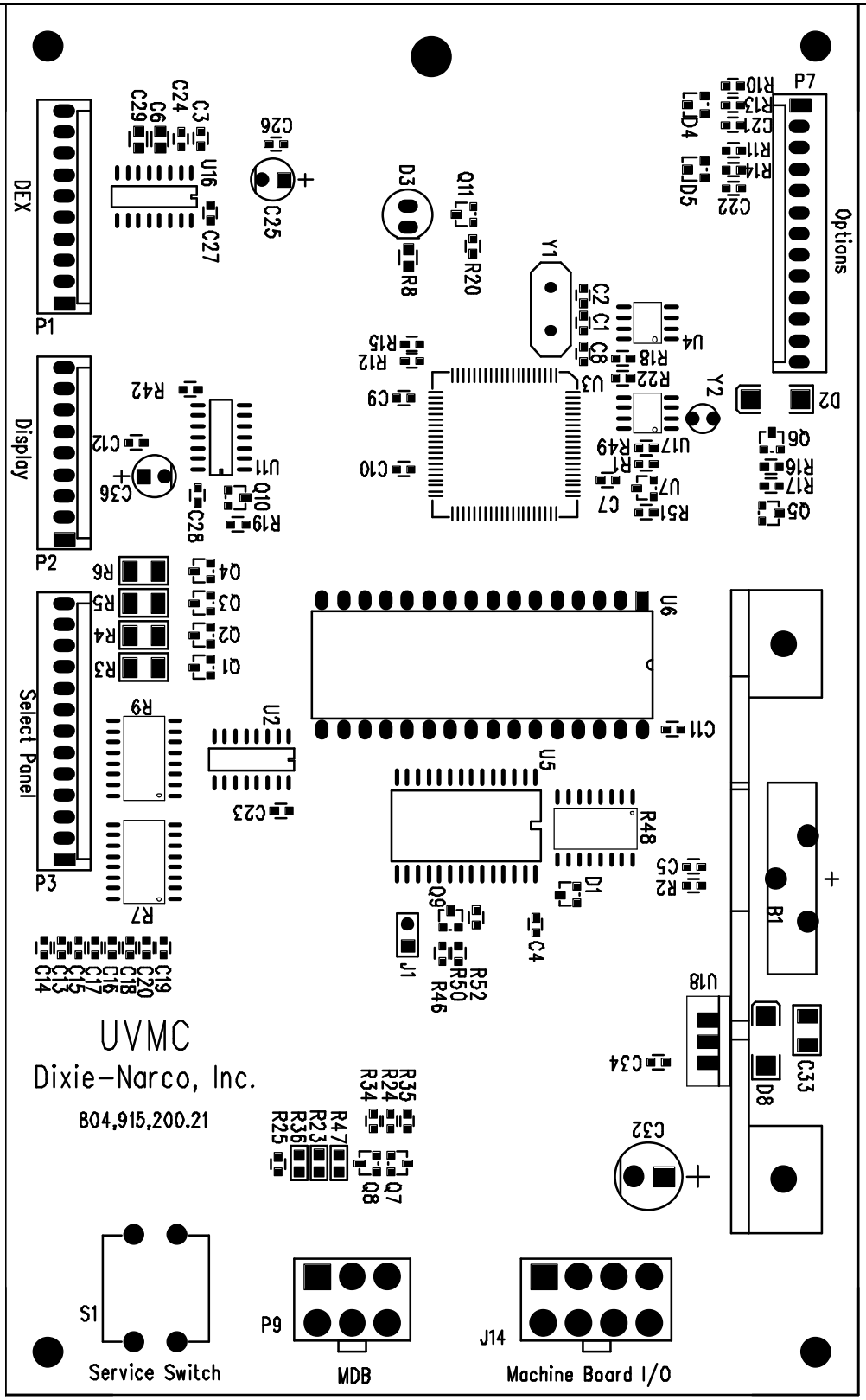

UNIVERSAL (KO) BOARD (0077-8272CB & Higher)

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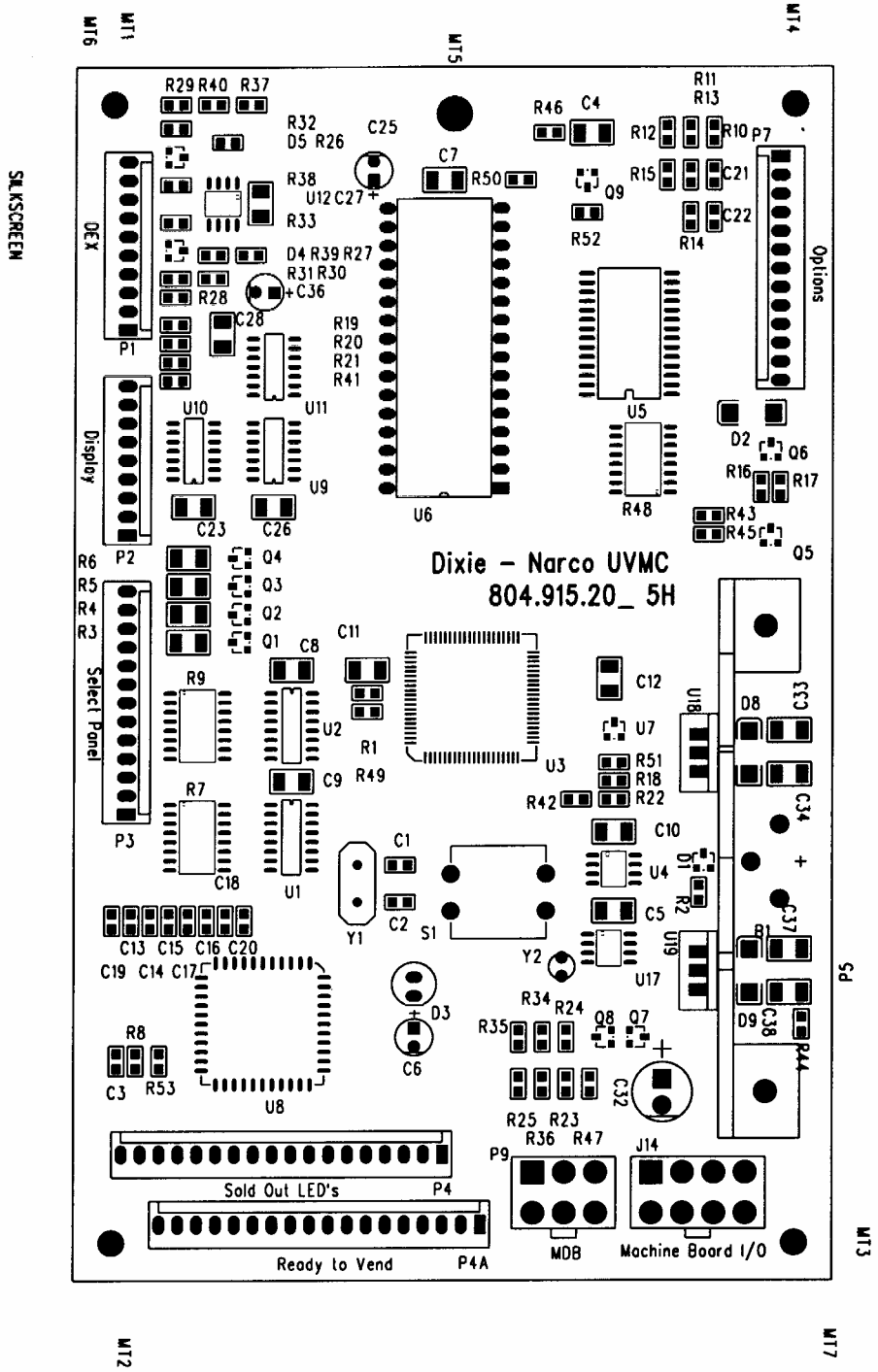

UNIVERSAL (KO) BOARD (prior to 0077-8272CB)

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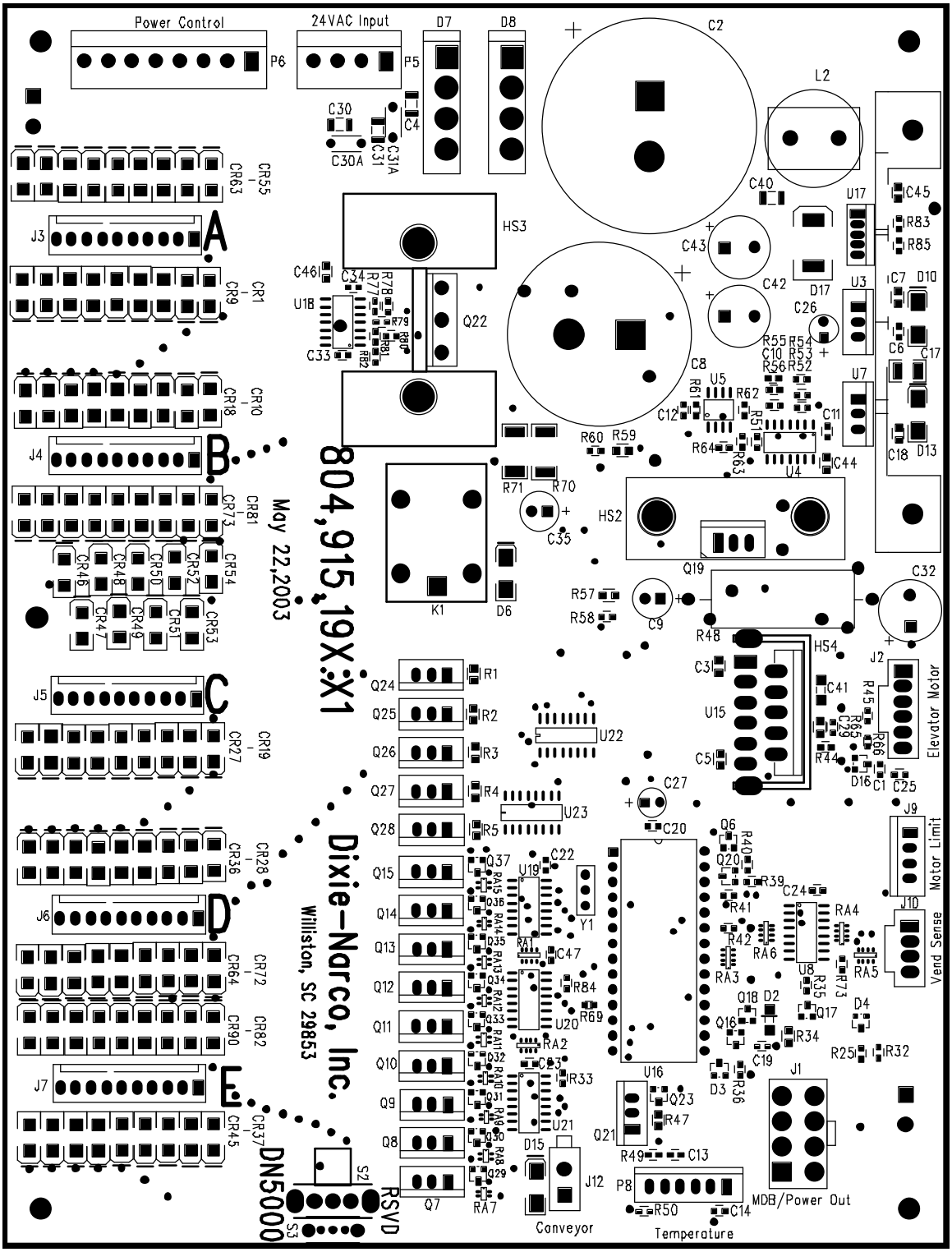

MACHINE BOARD (0077-8272CB and Higher)

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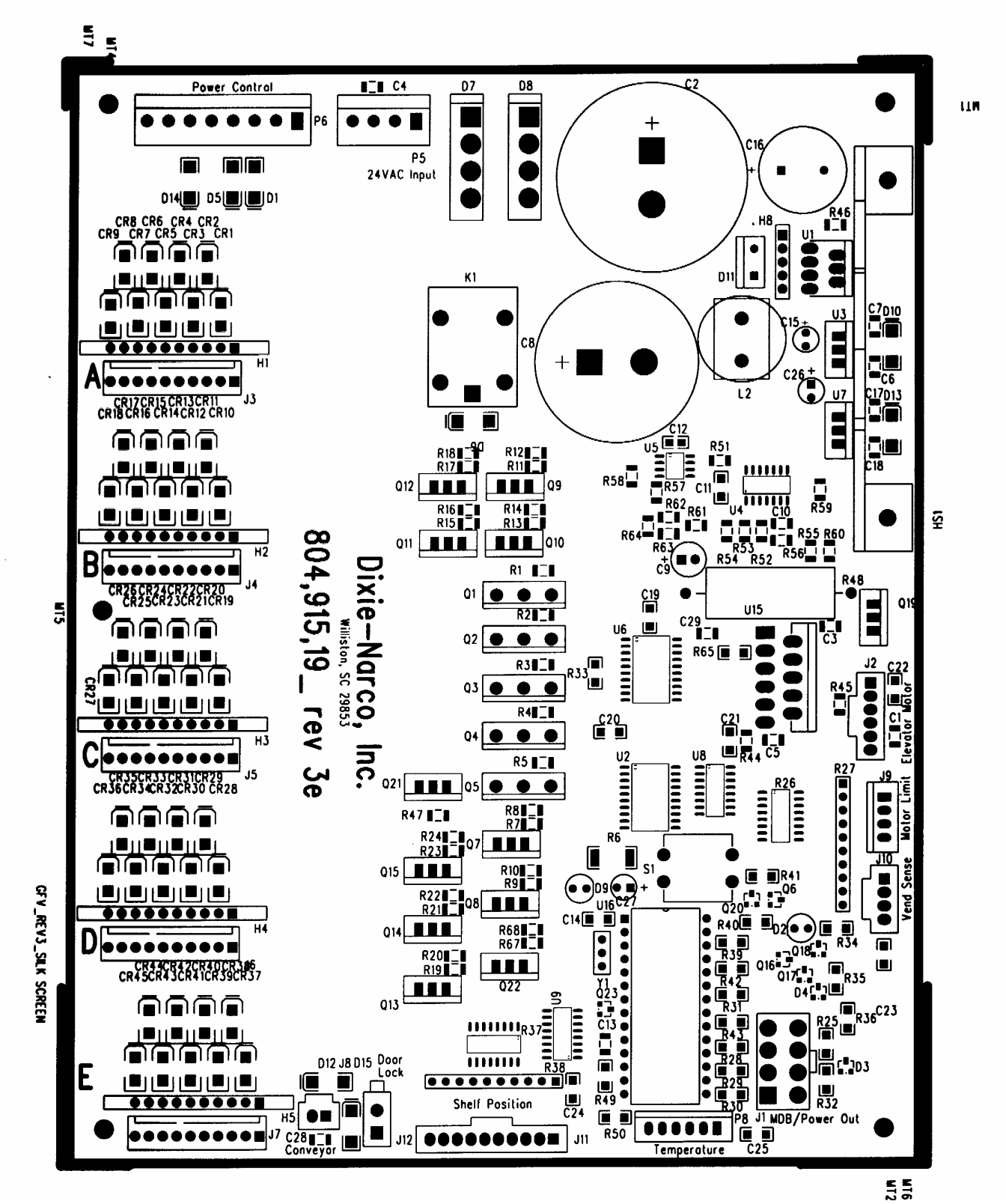

MACHINE BOARD (prior to 0077-8272CB)

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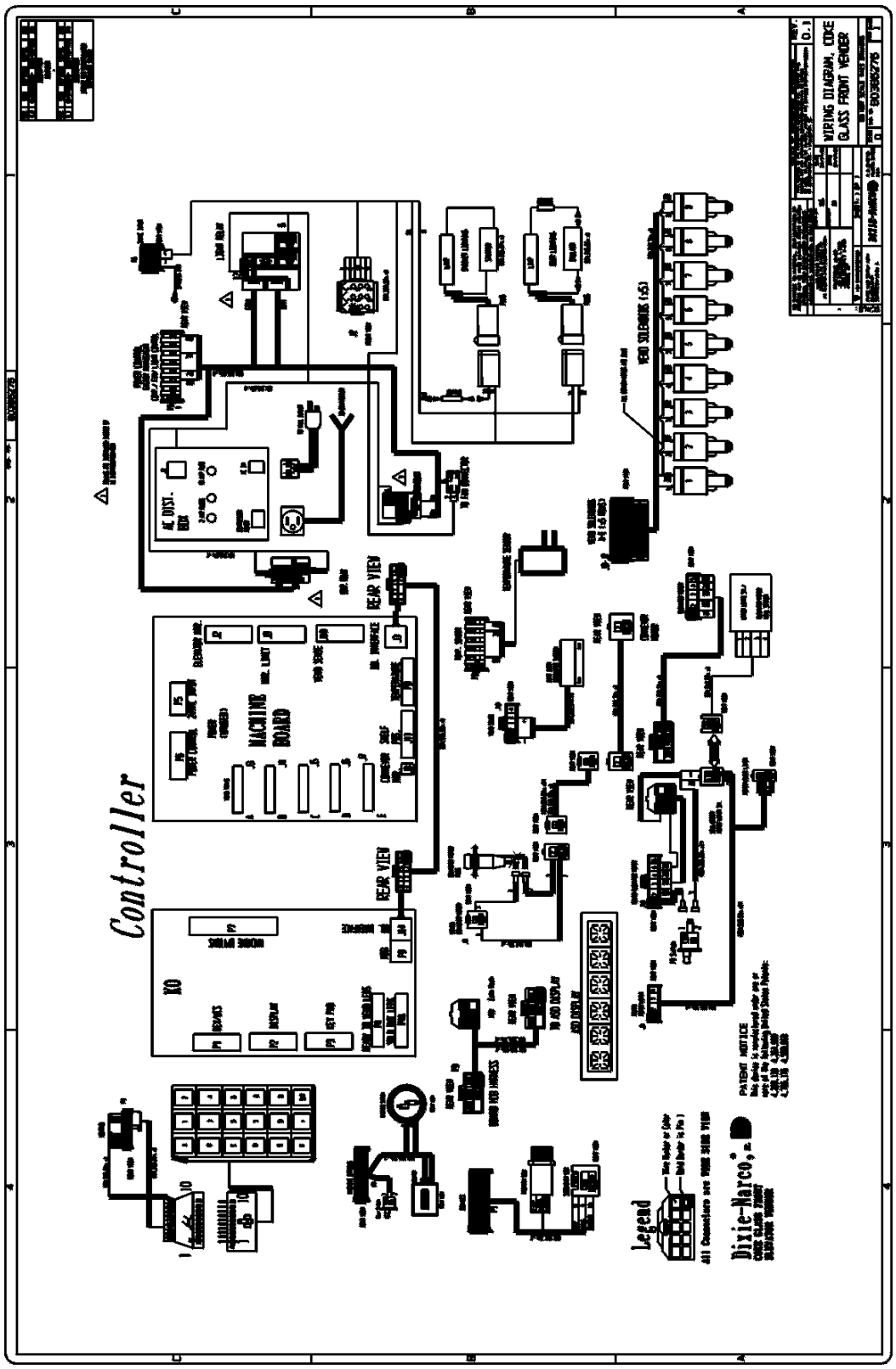

WIRING DIAGRAM (9 Column)

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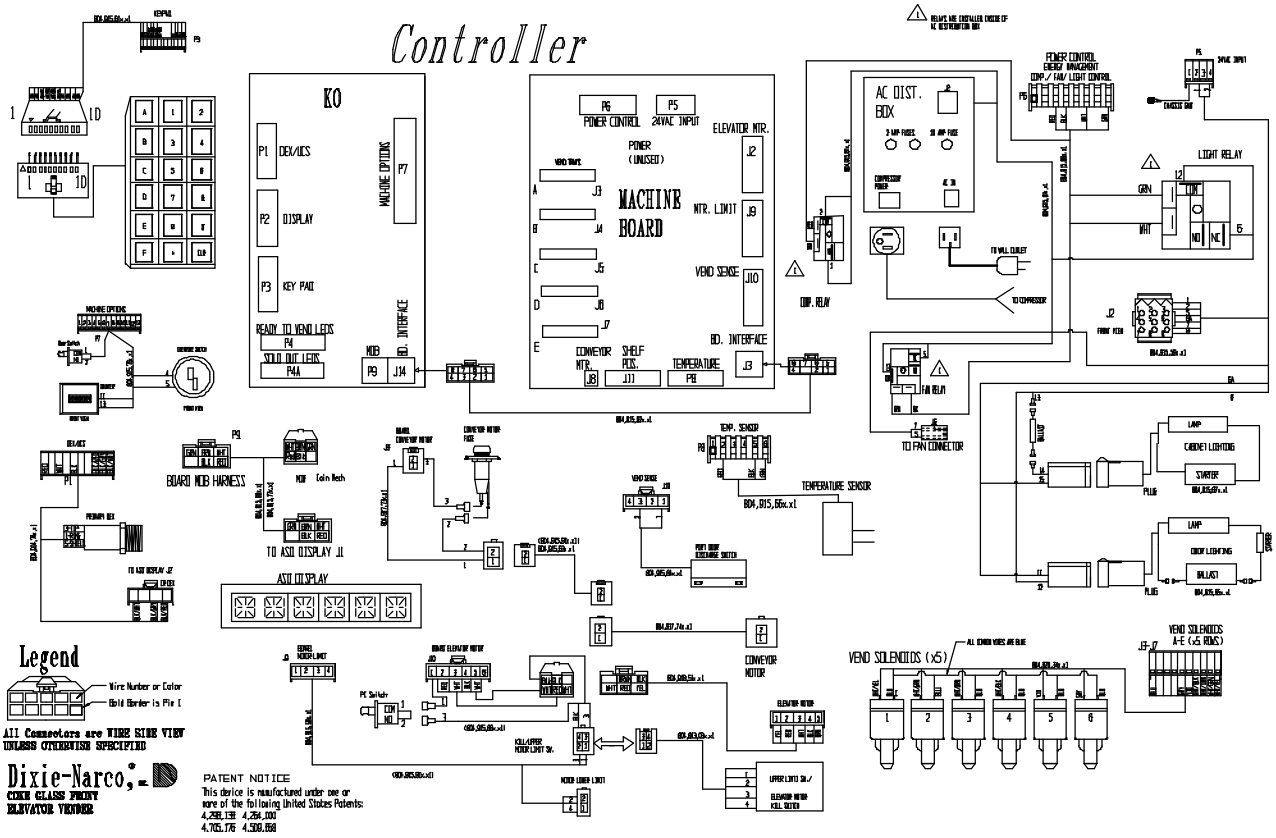

Wiring Diagram (6 Column)

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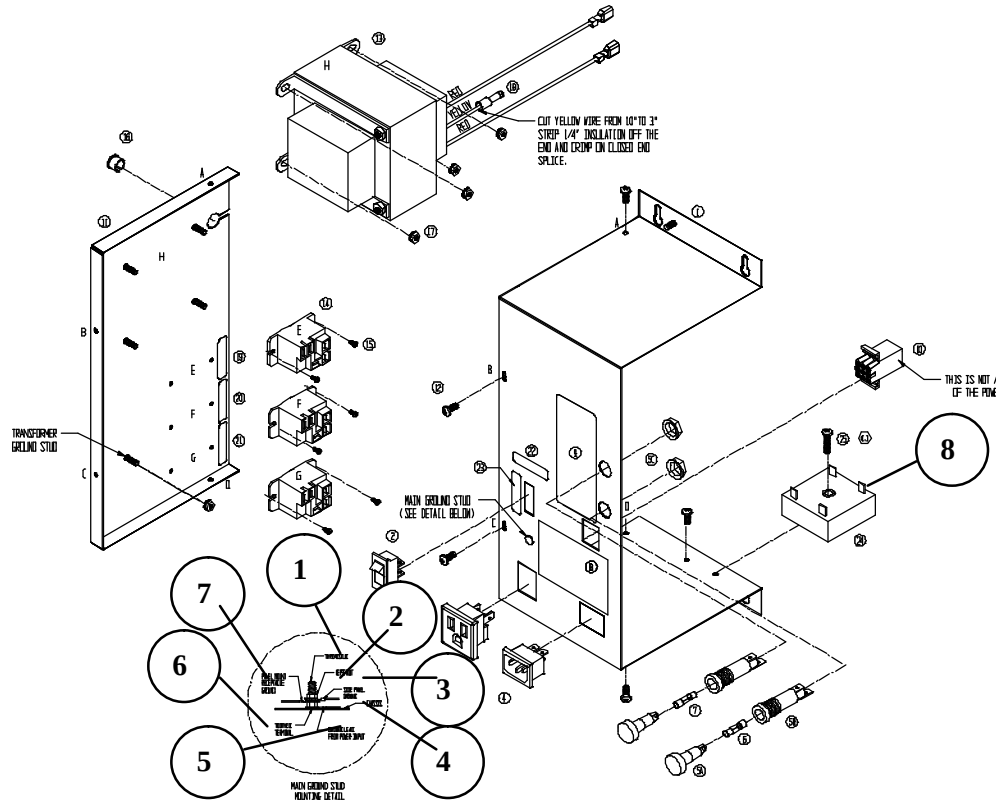
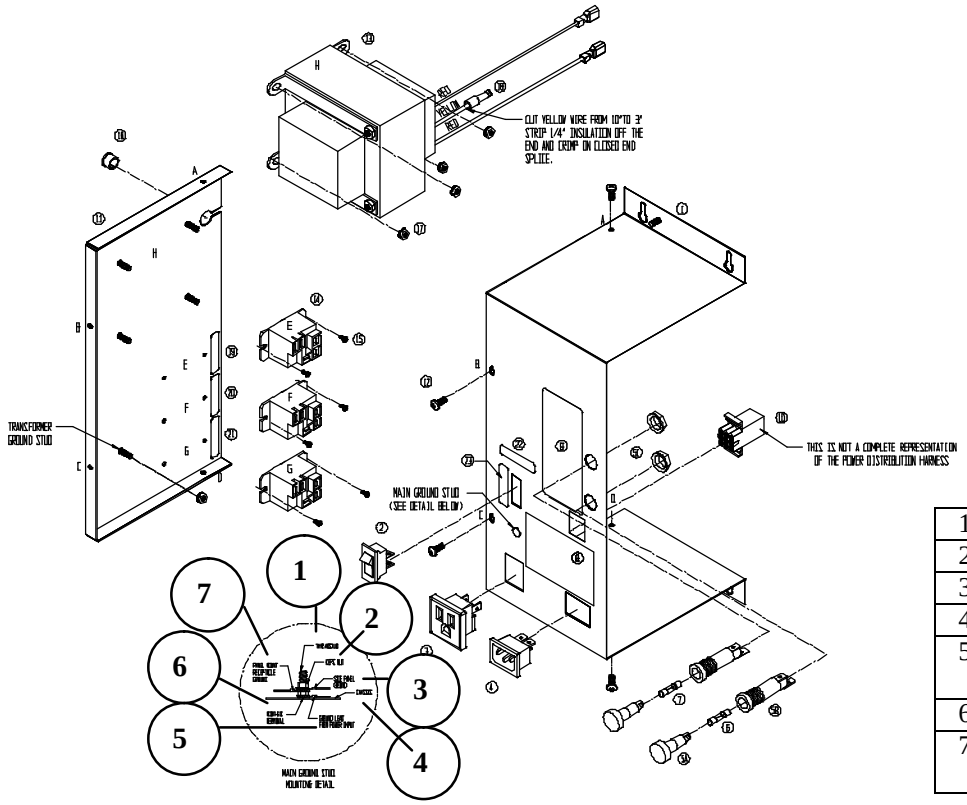


1	Thread stud
2	Hex Nut
3	Side Panel Ground
4	Chassis
5	Ground Lead from Power Input
6	Toothed Terminal
7	Panel Mount Receptacle Ground
8	Choke

AC DISTRIBUTION BOX T8



1	Thread stud
2	Hex Nut
3	Side Panel Ground
4	Chassis
5	Ground Lead from Power Input
6	Toothed Terminal
7	Panel Mount Receptacle Ground

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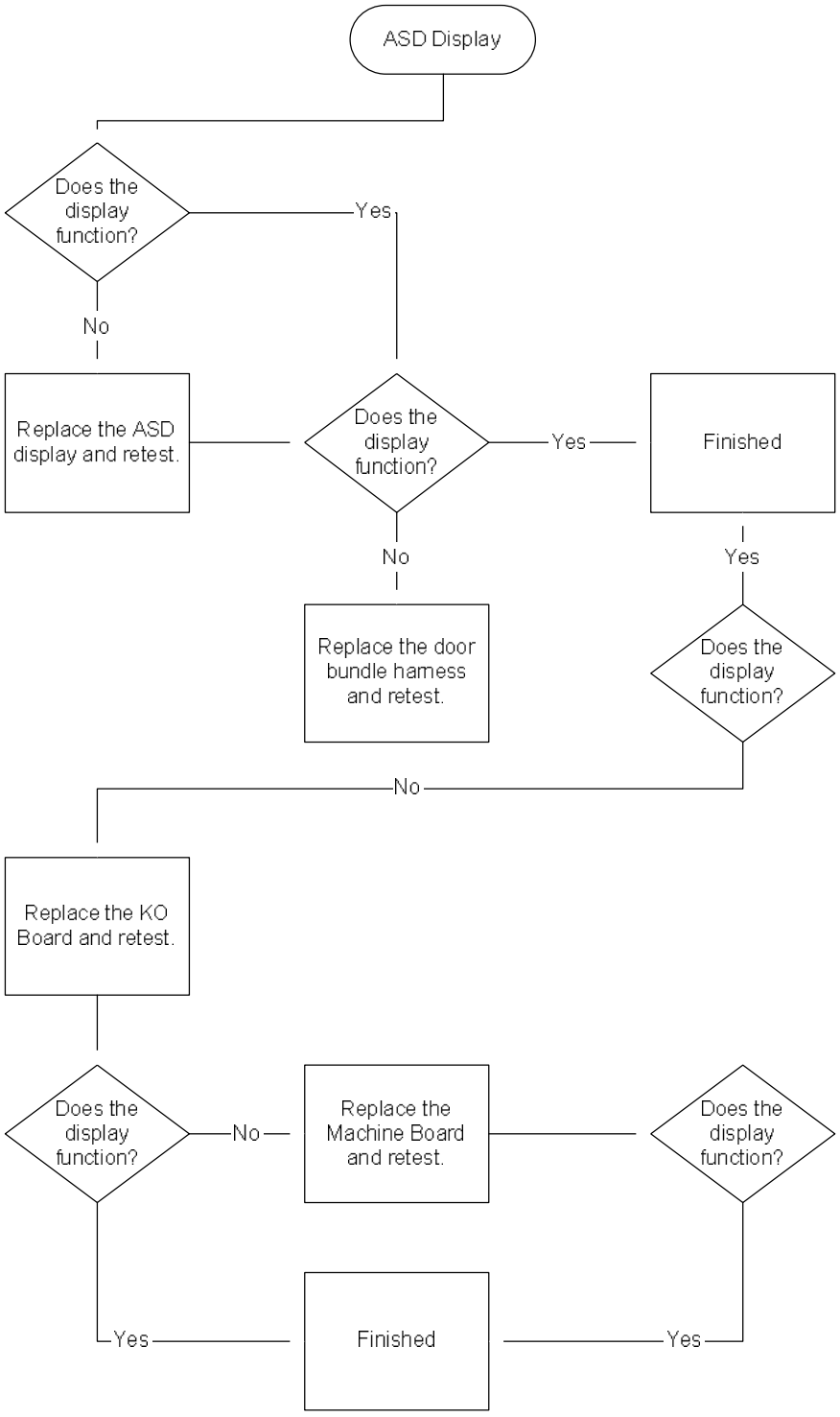
Troubleshooting



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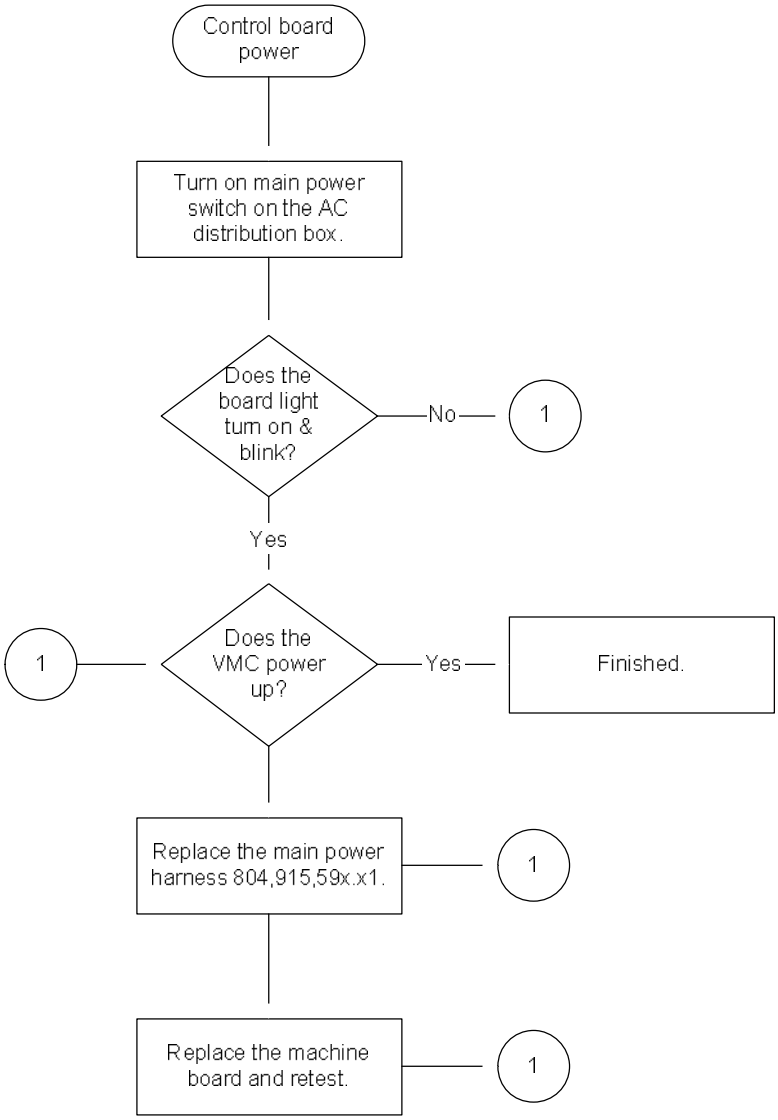

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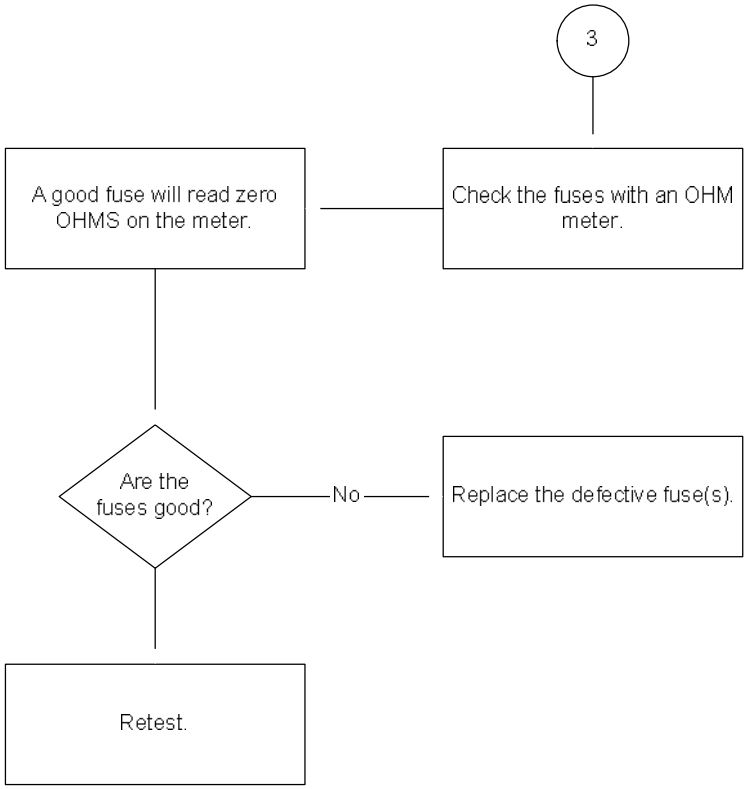

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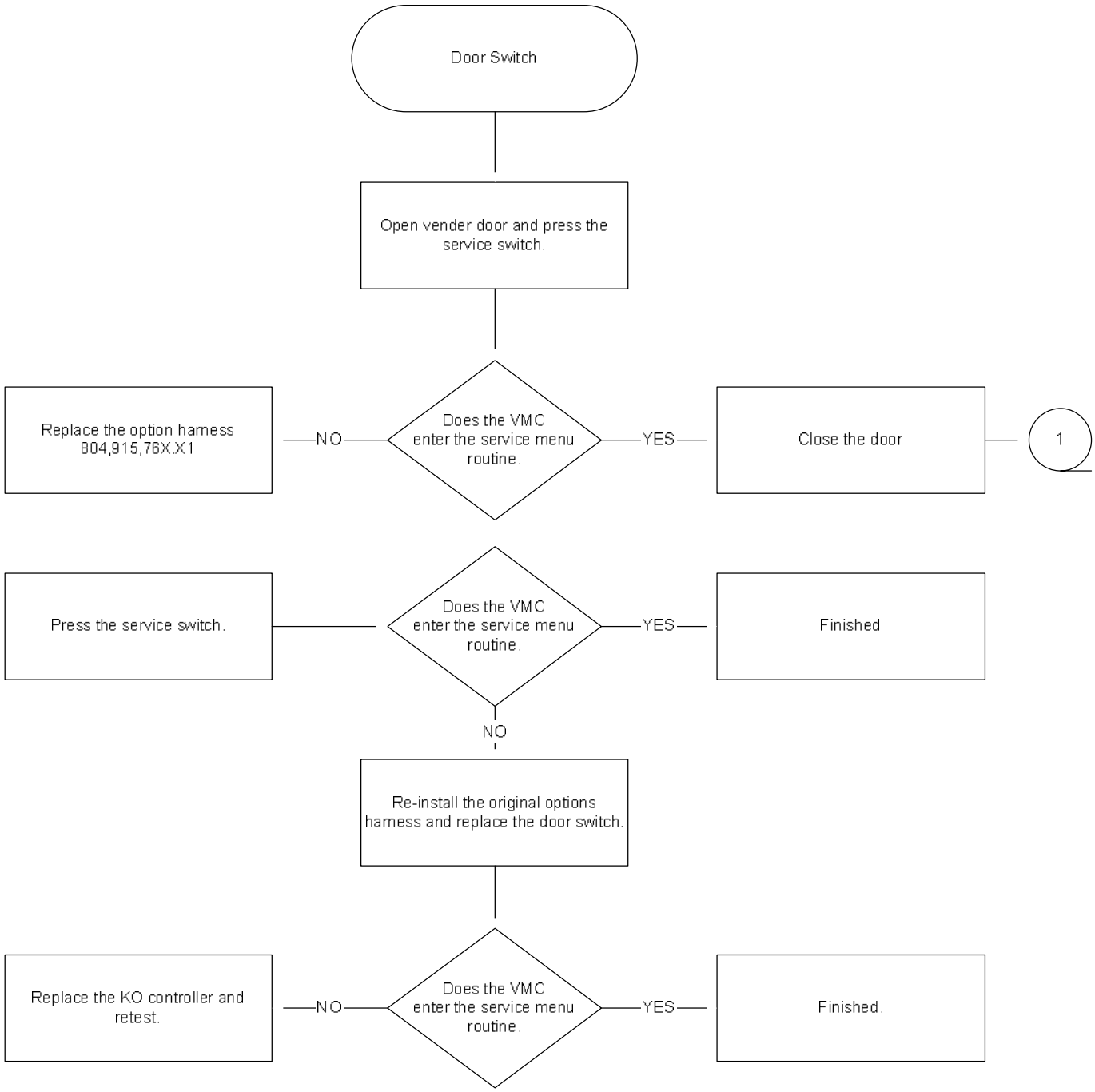

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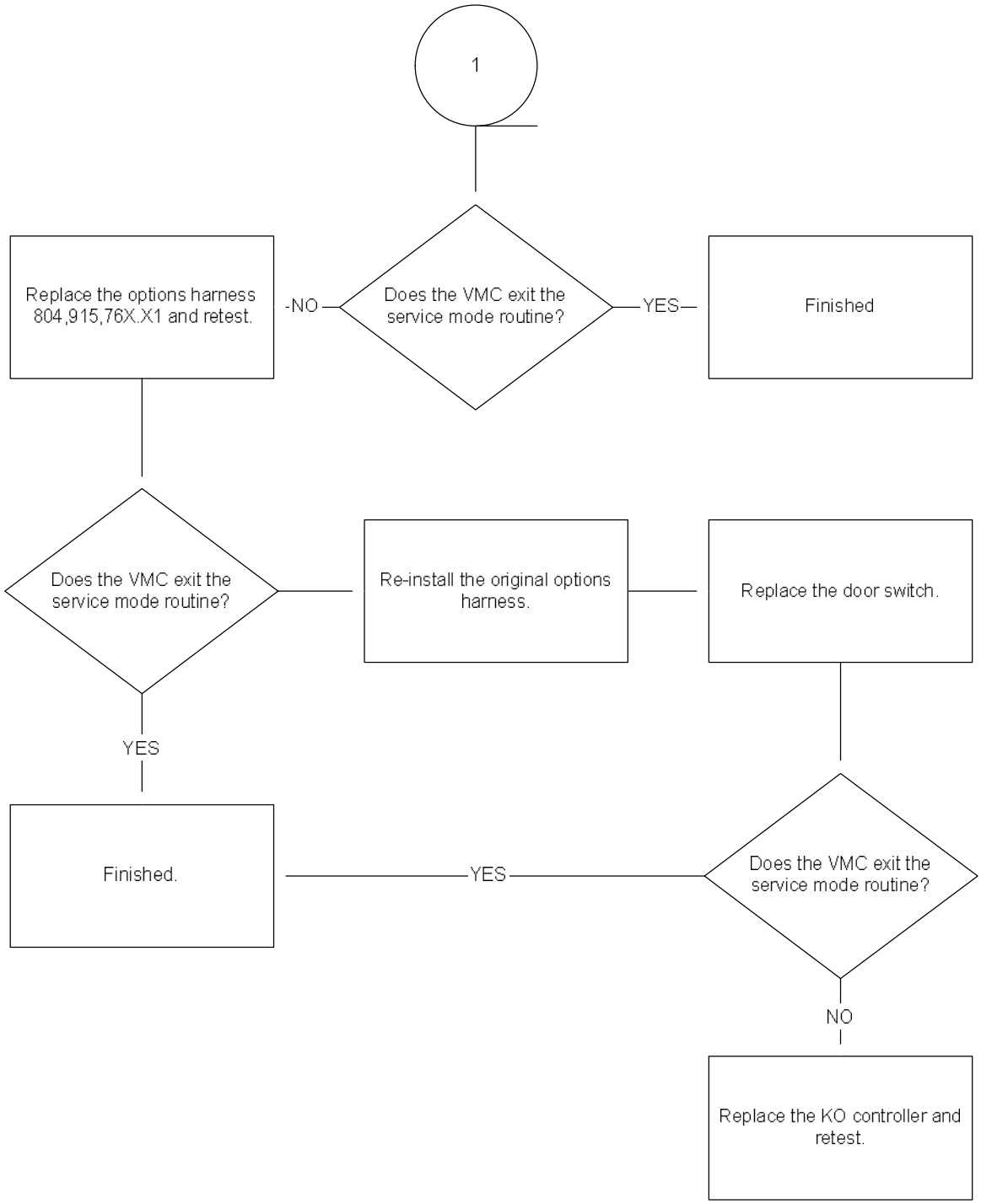

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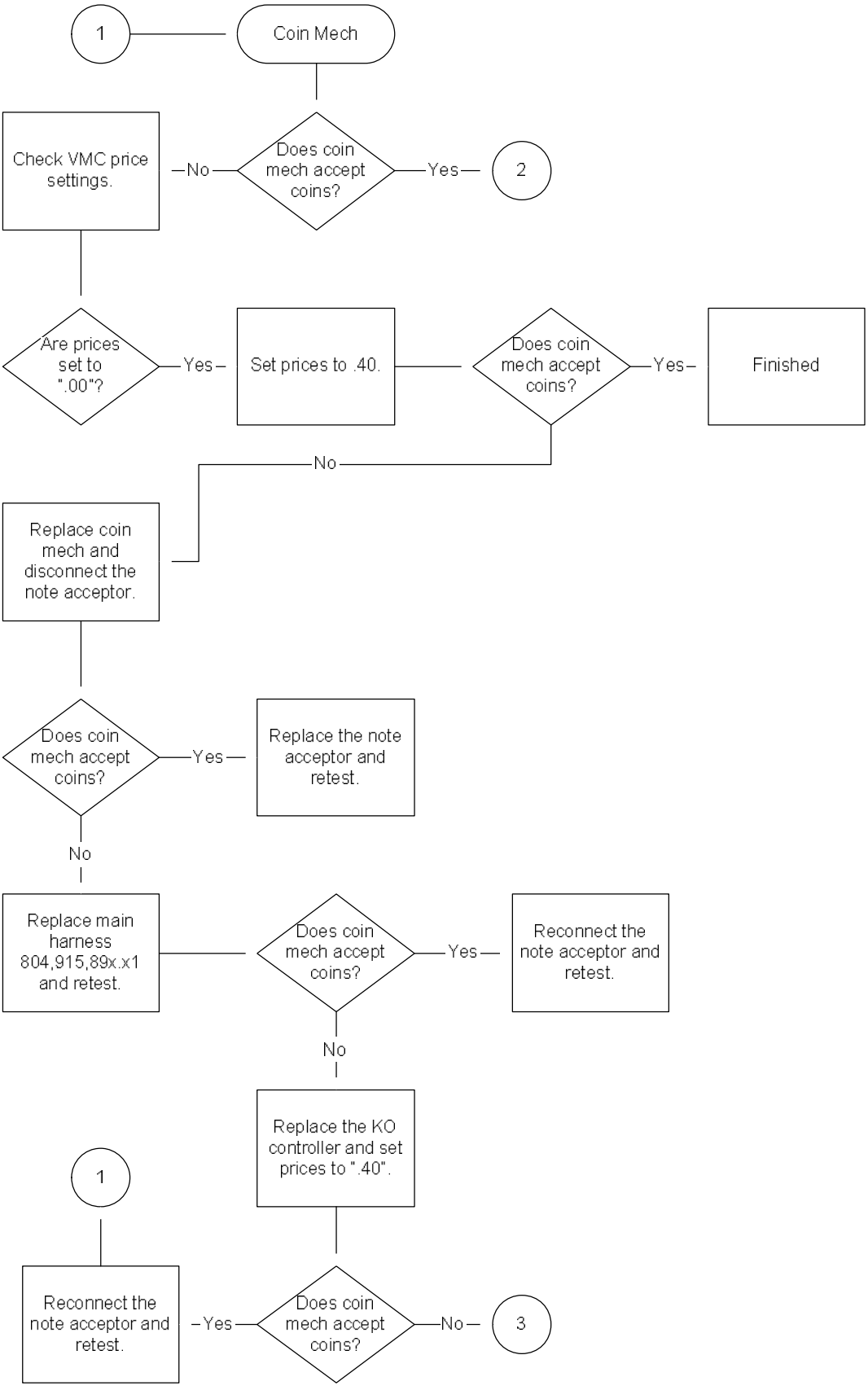

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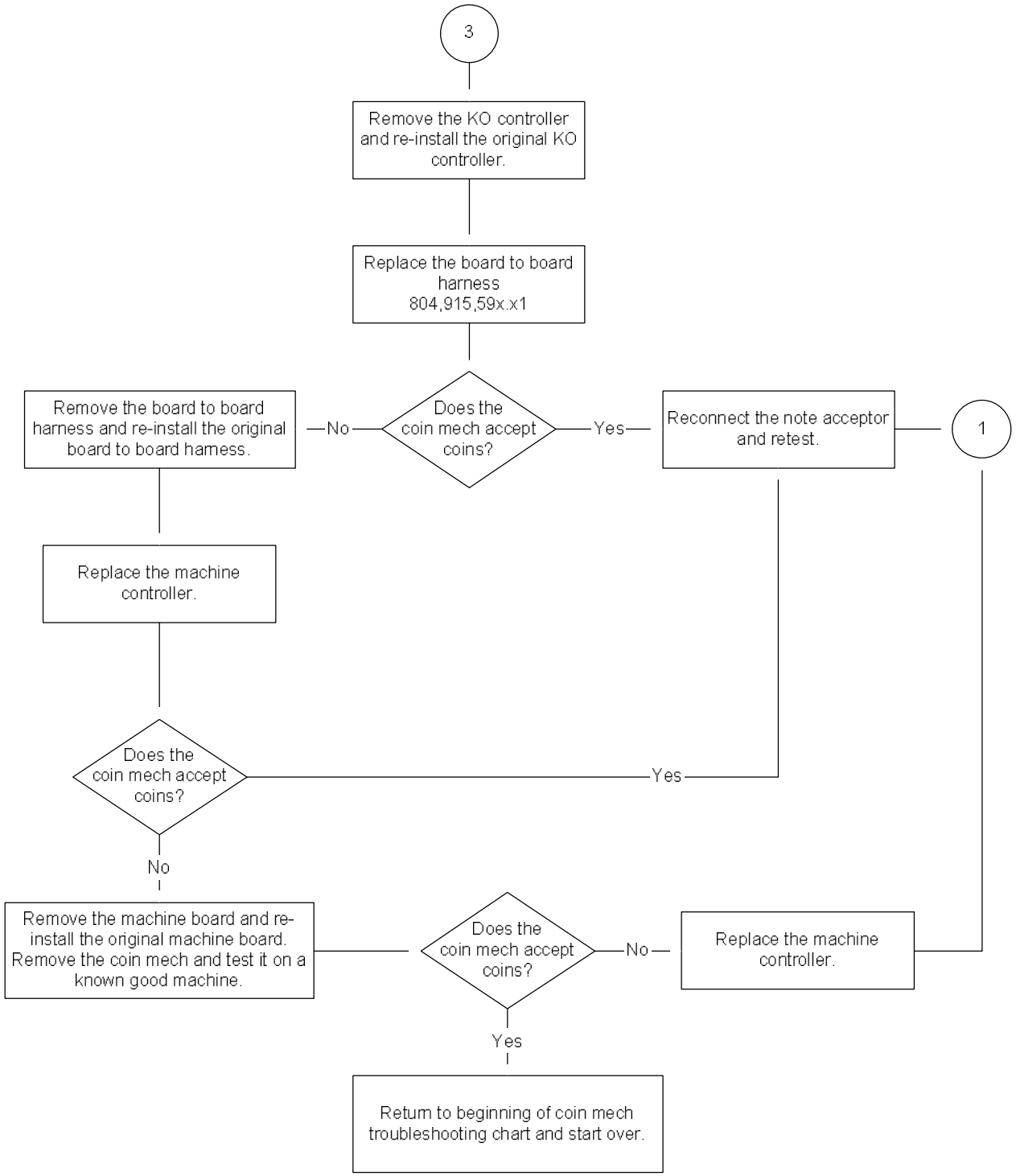

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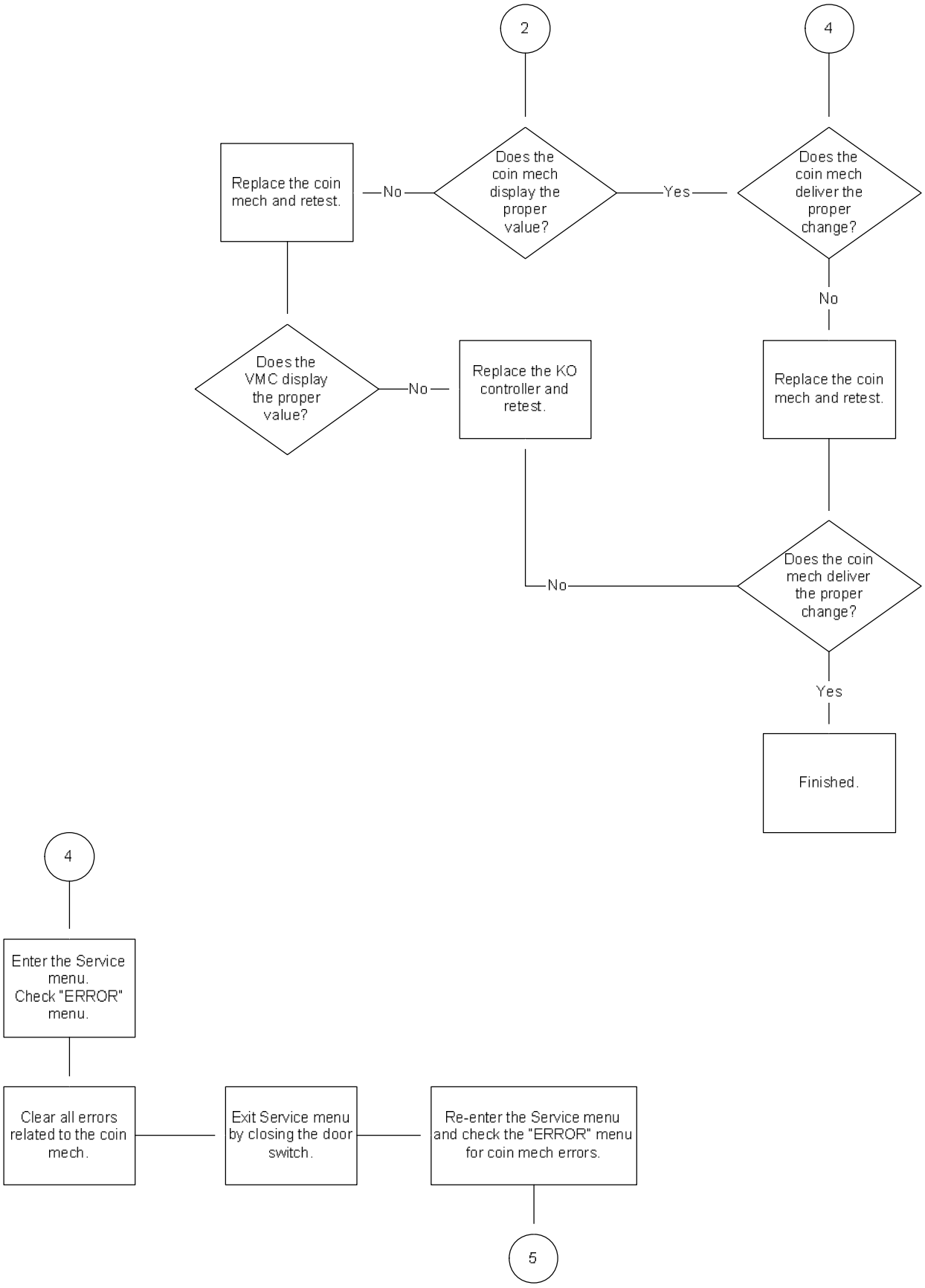

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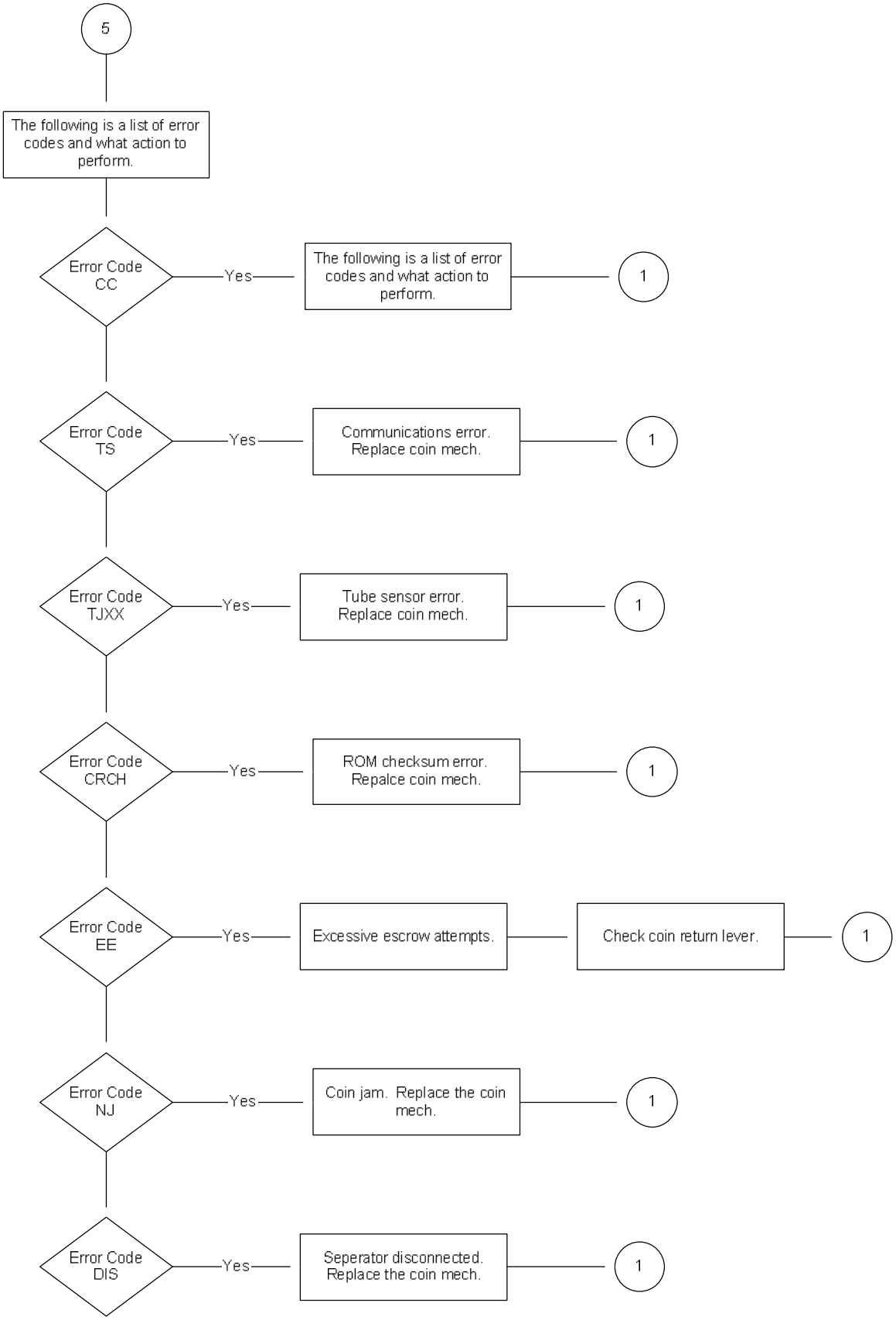

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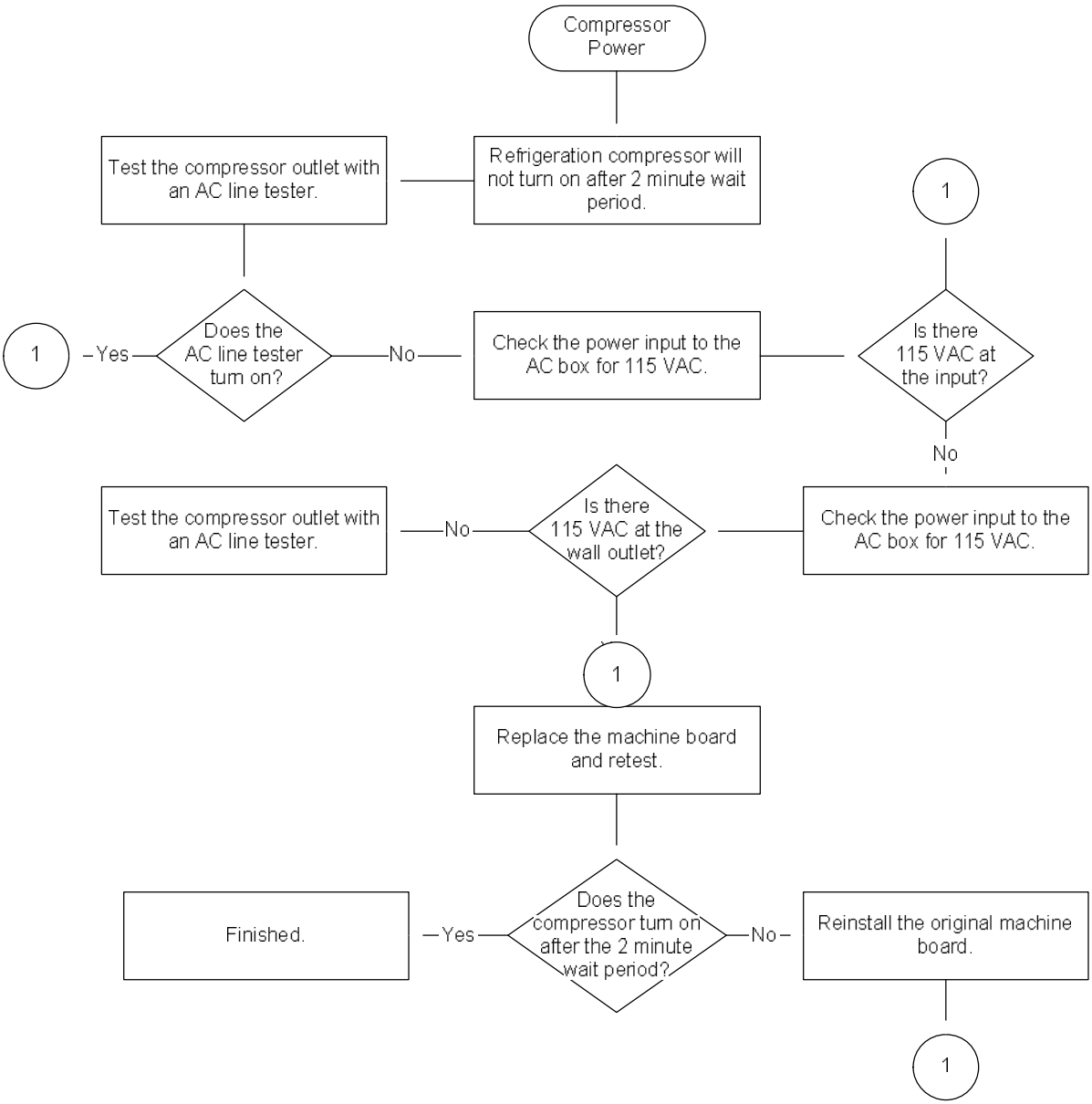

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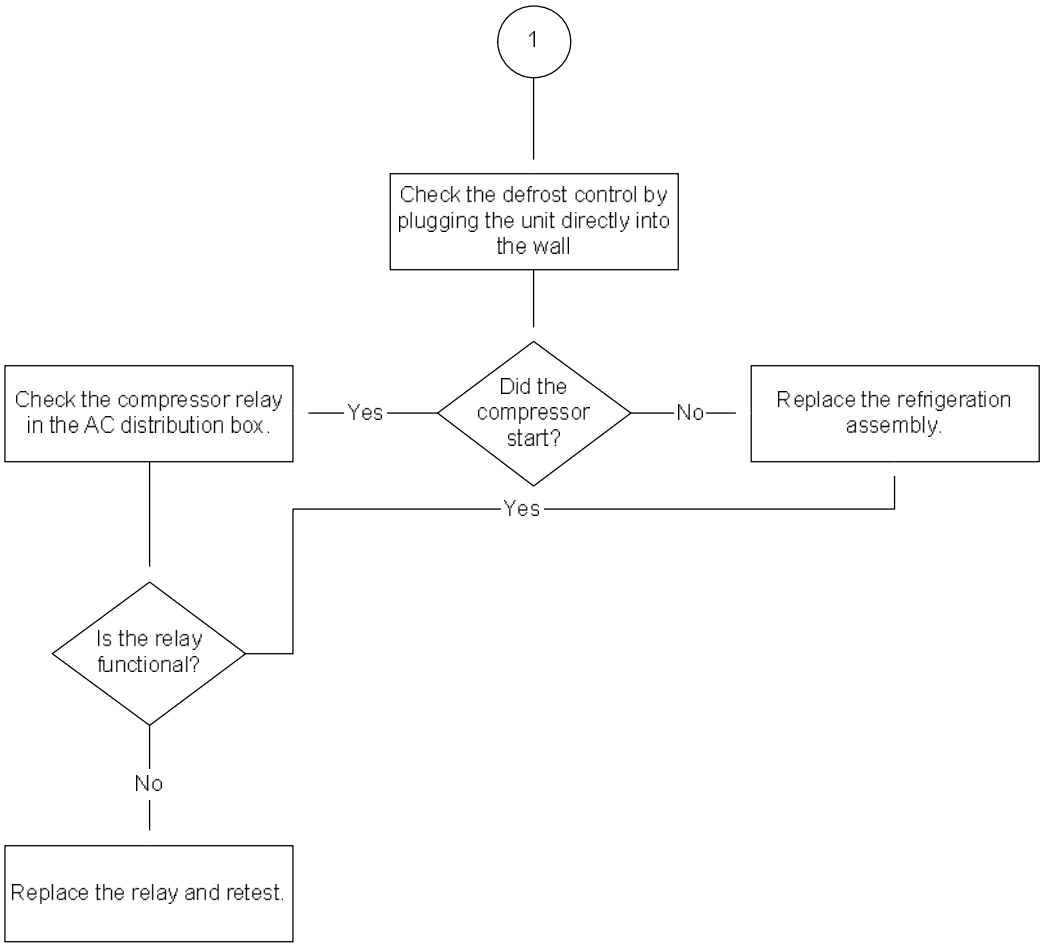

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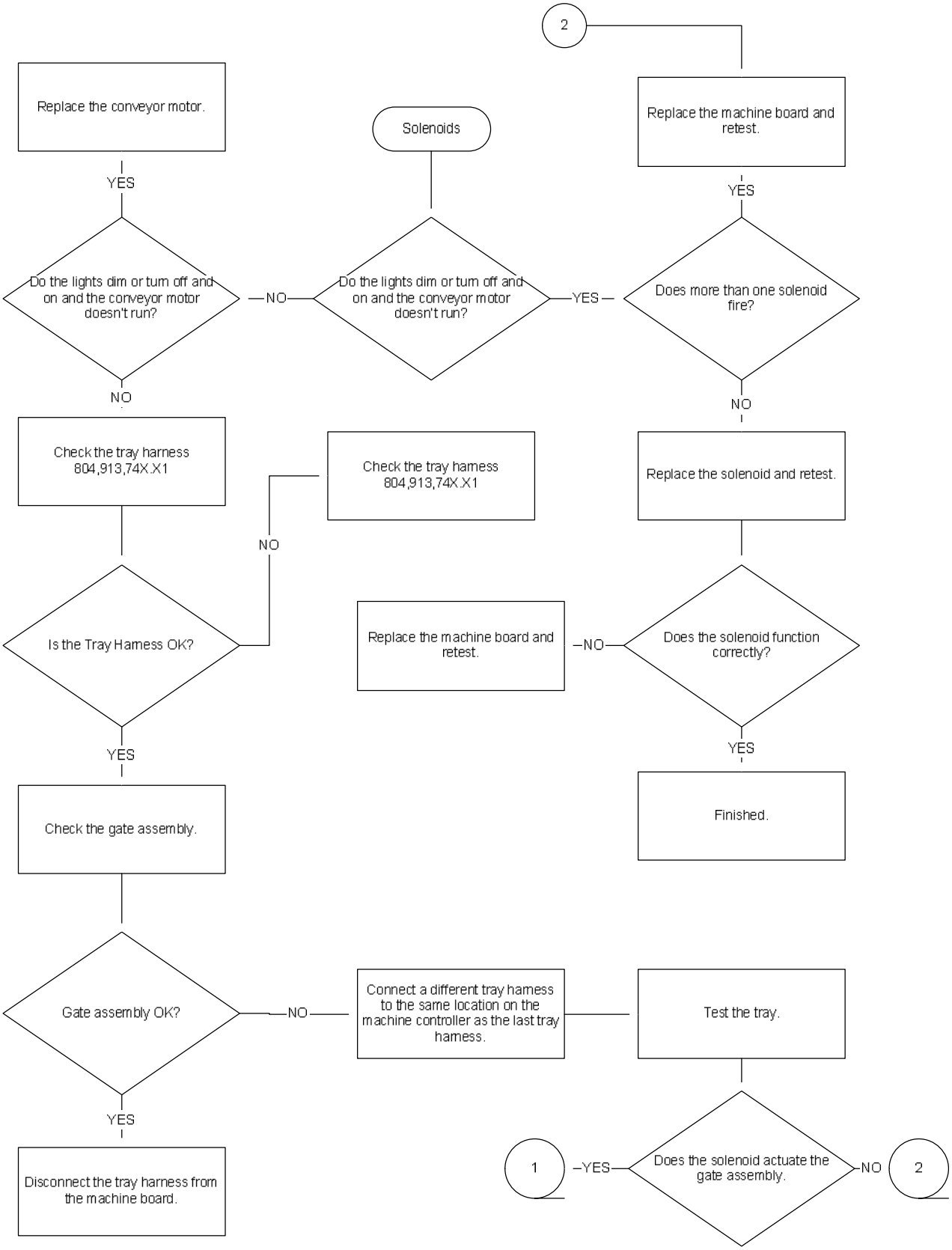

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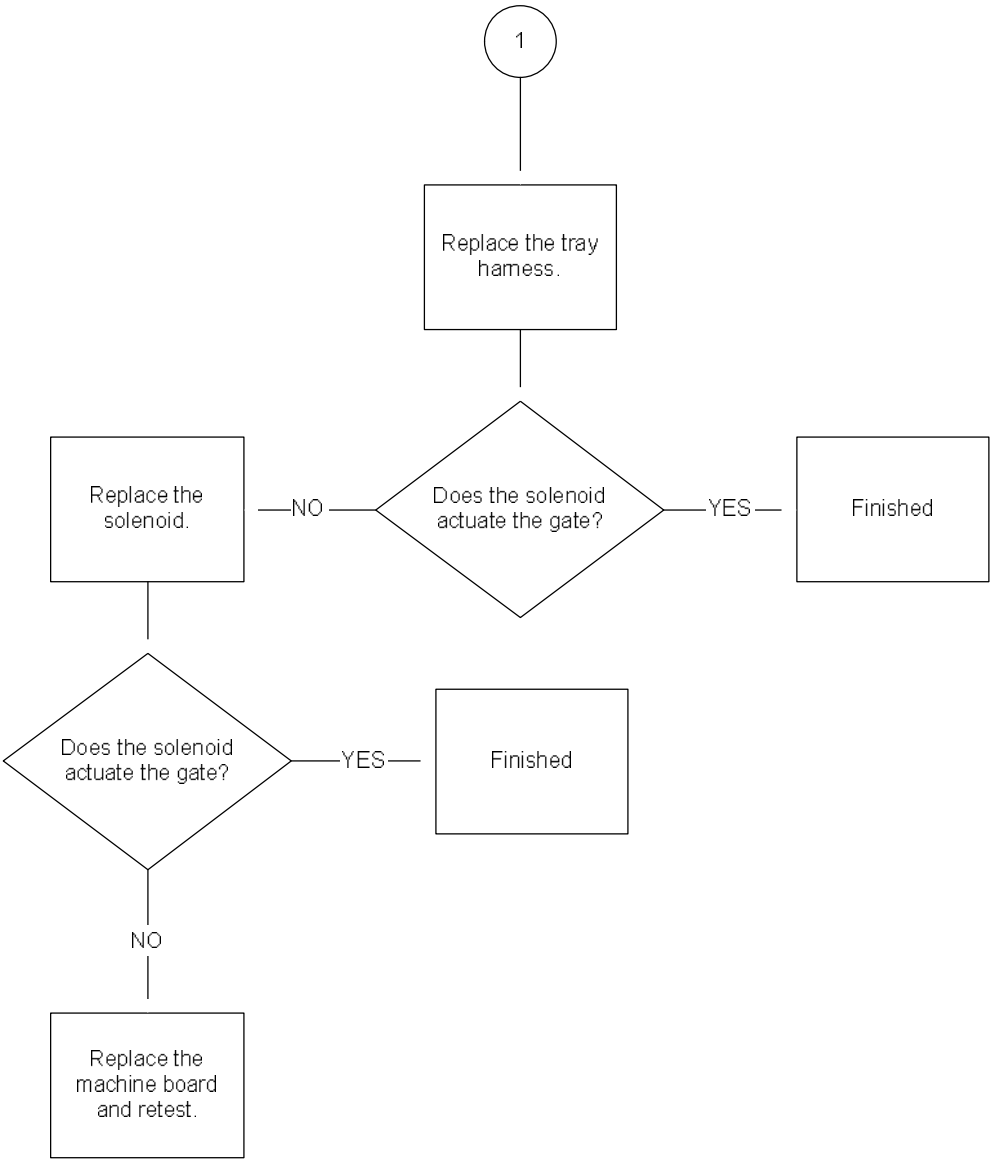

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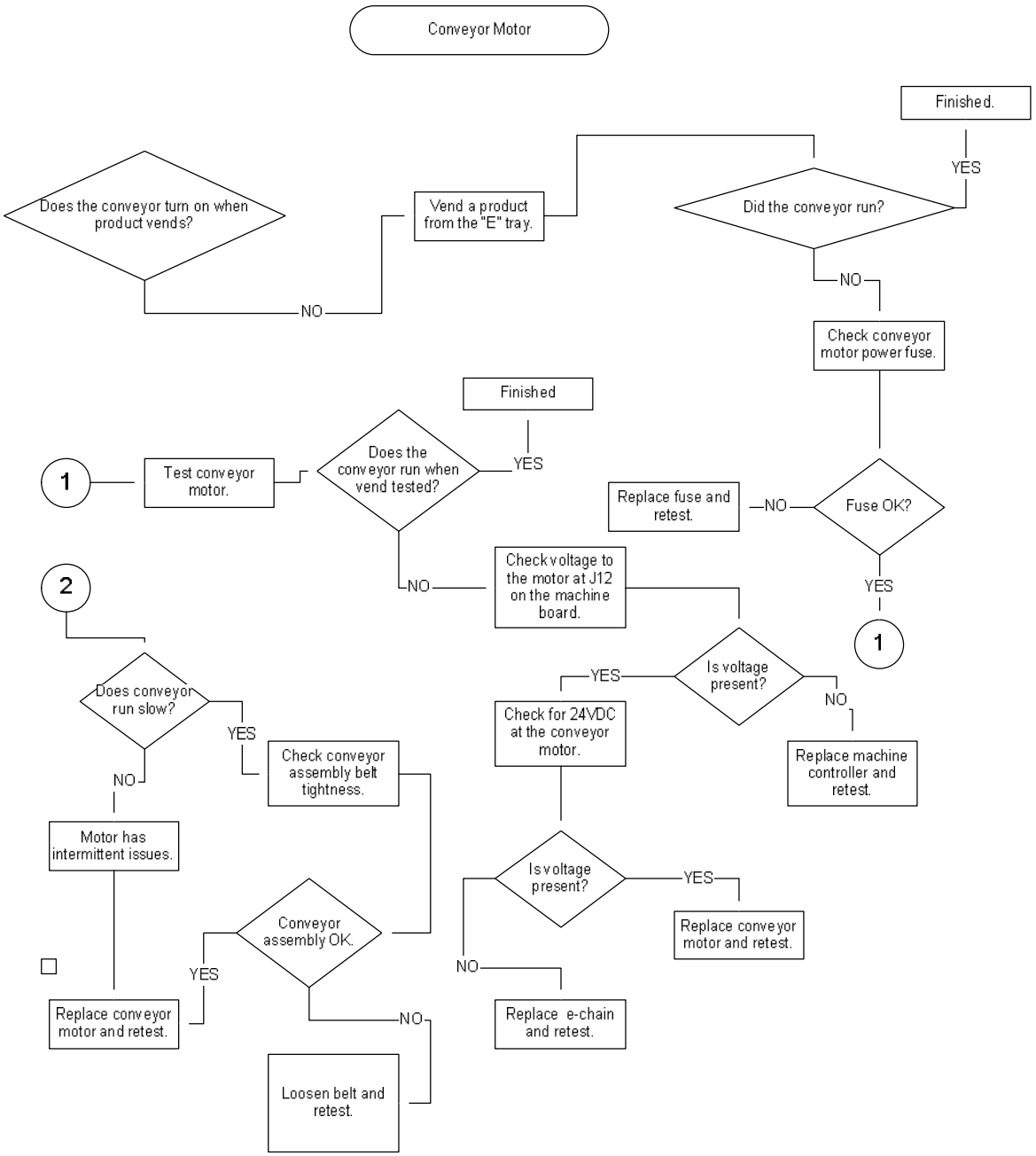

CONVEYOR ISSUES

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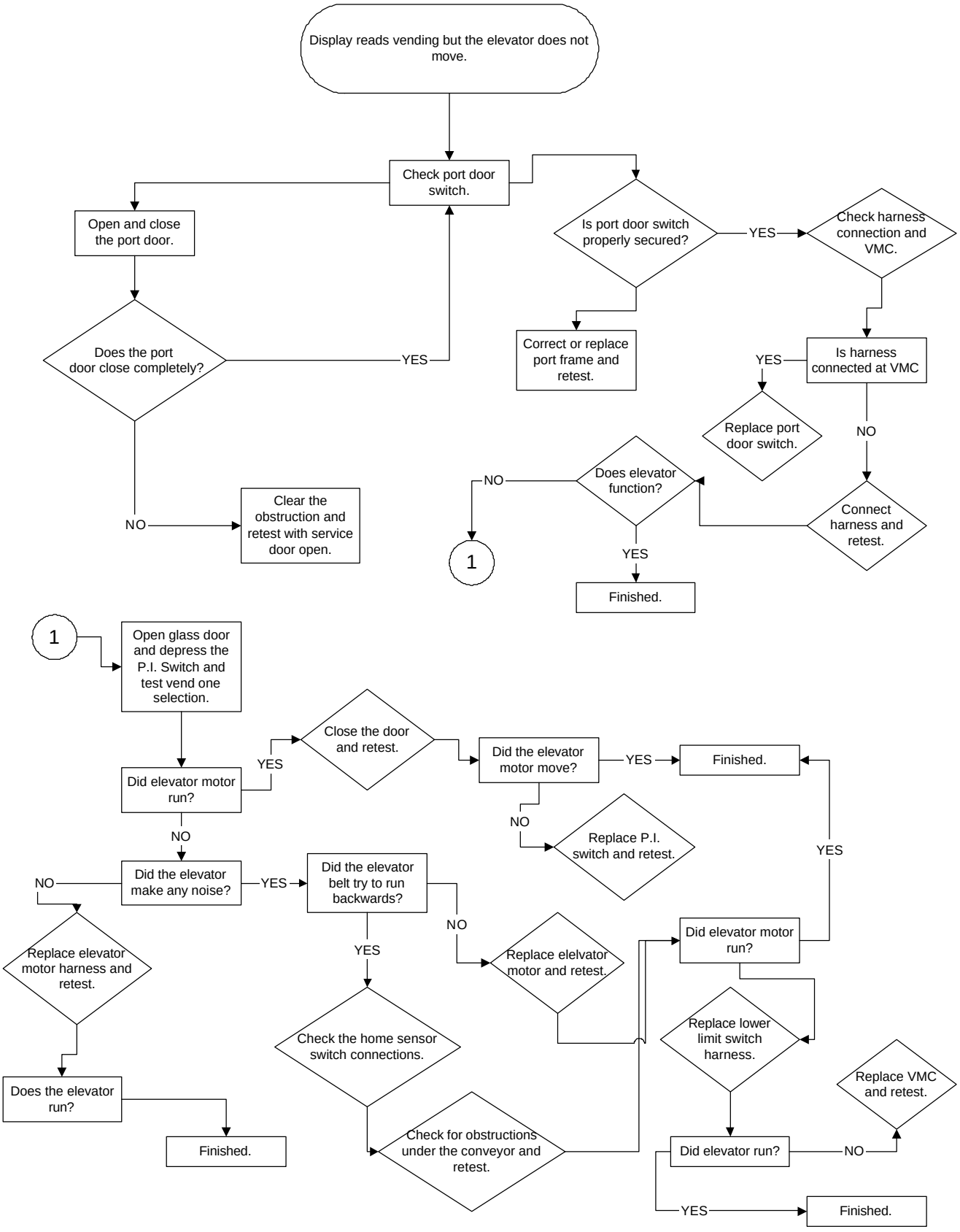

ELEVATOR ISSUES

(including upper / lower limit switches & port door)

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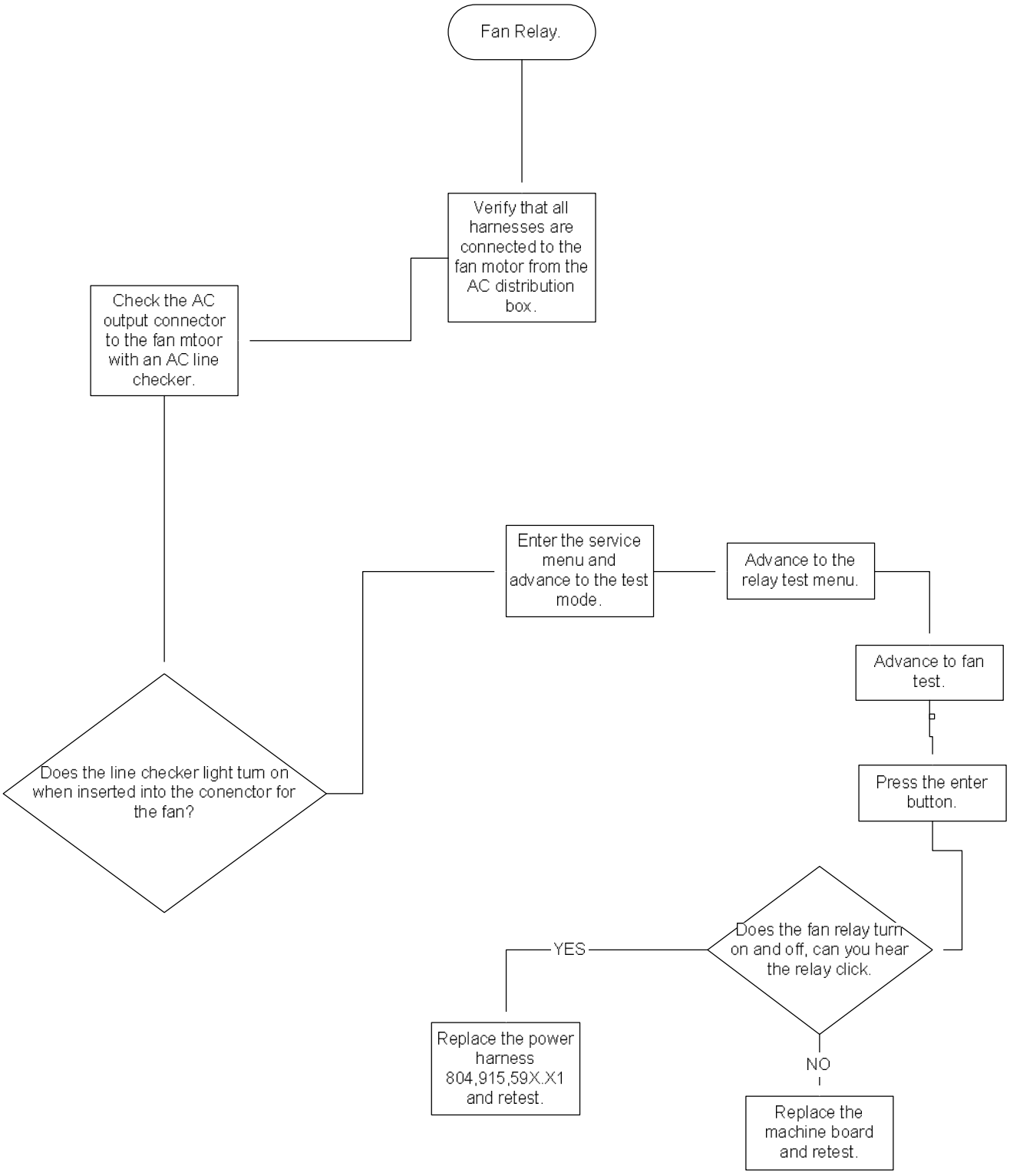

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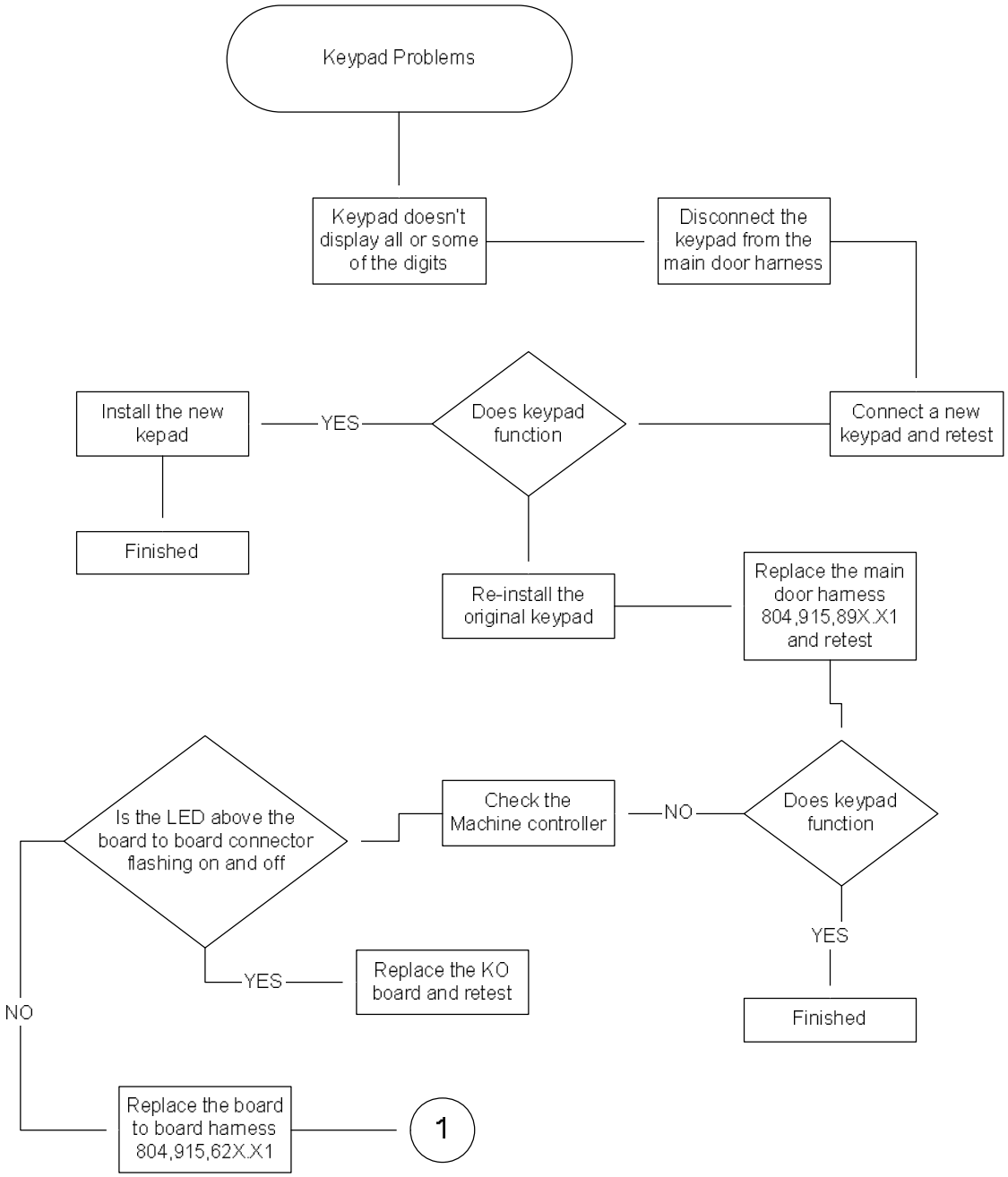

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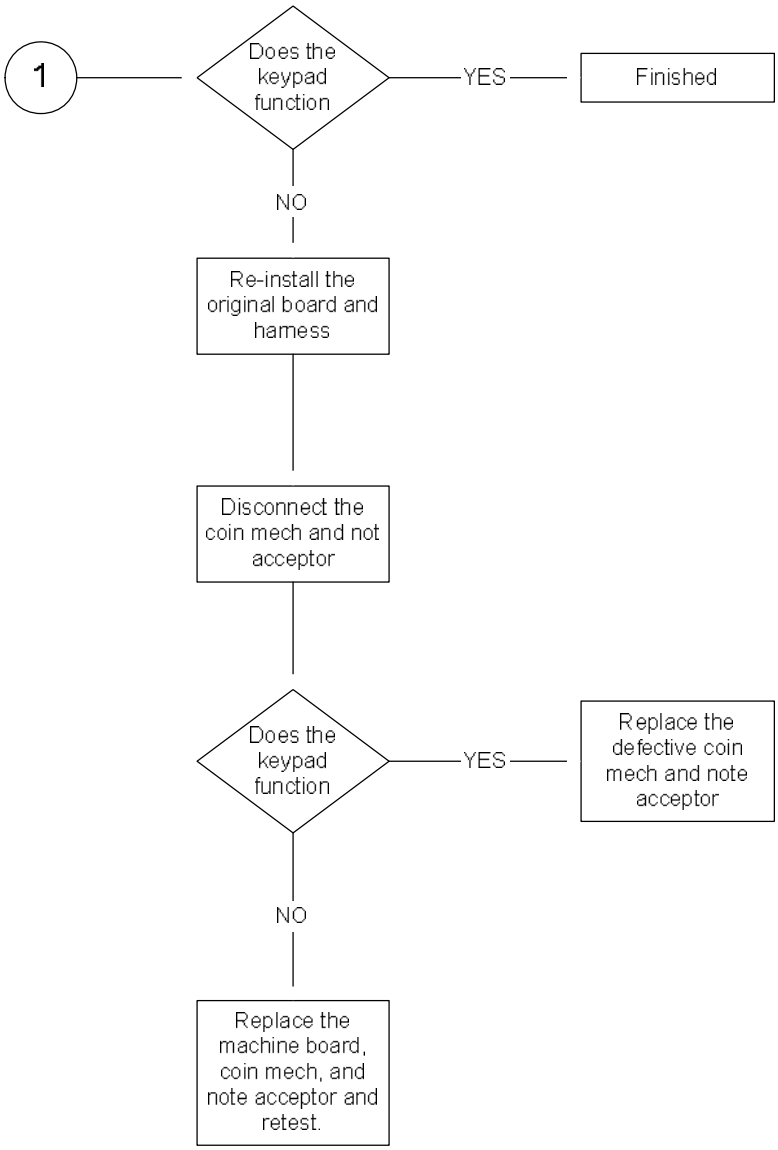

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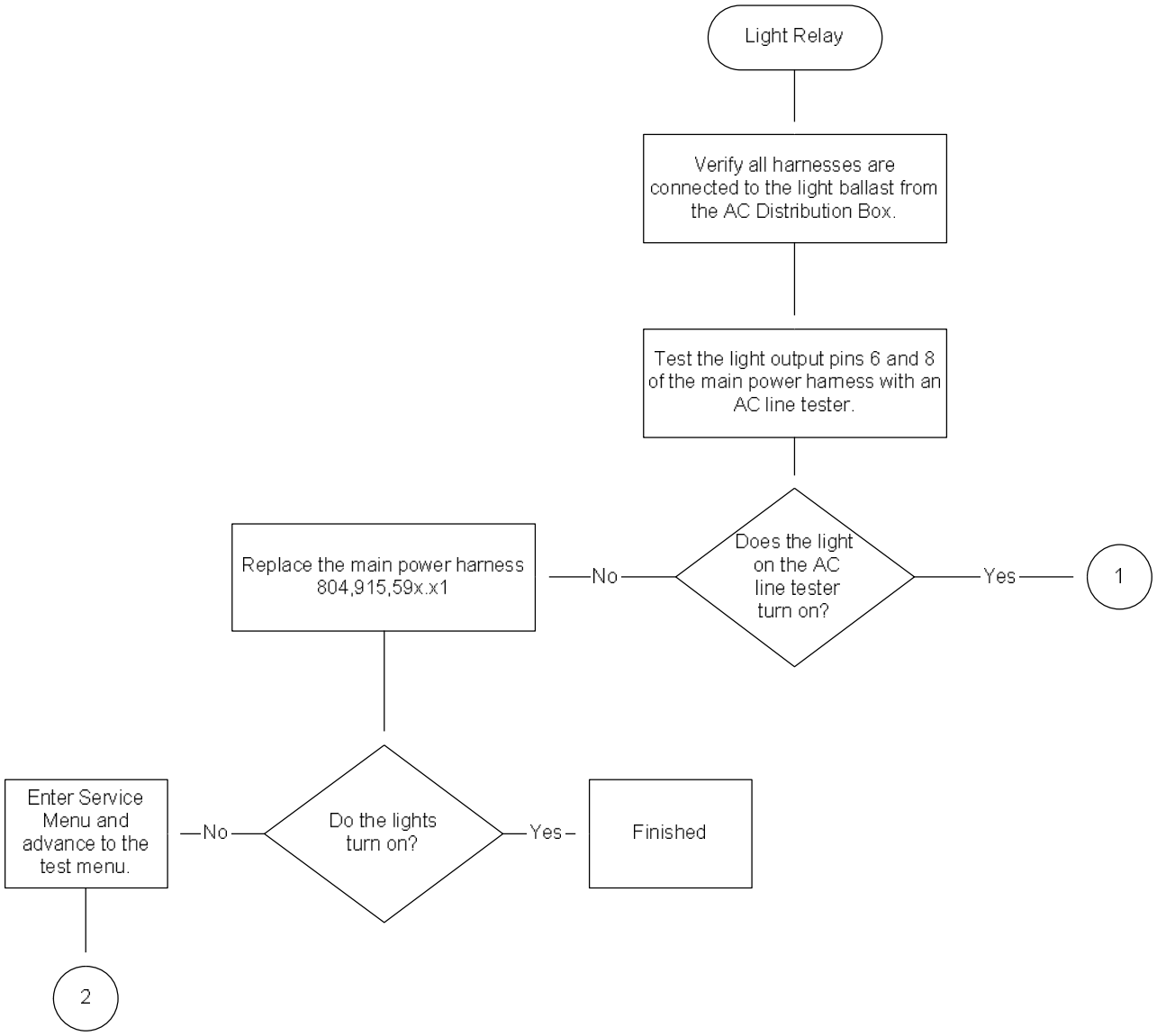

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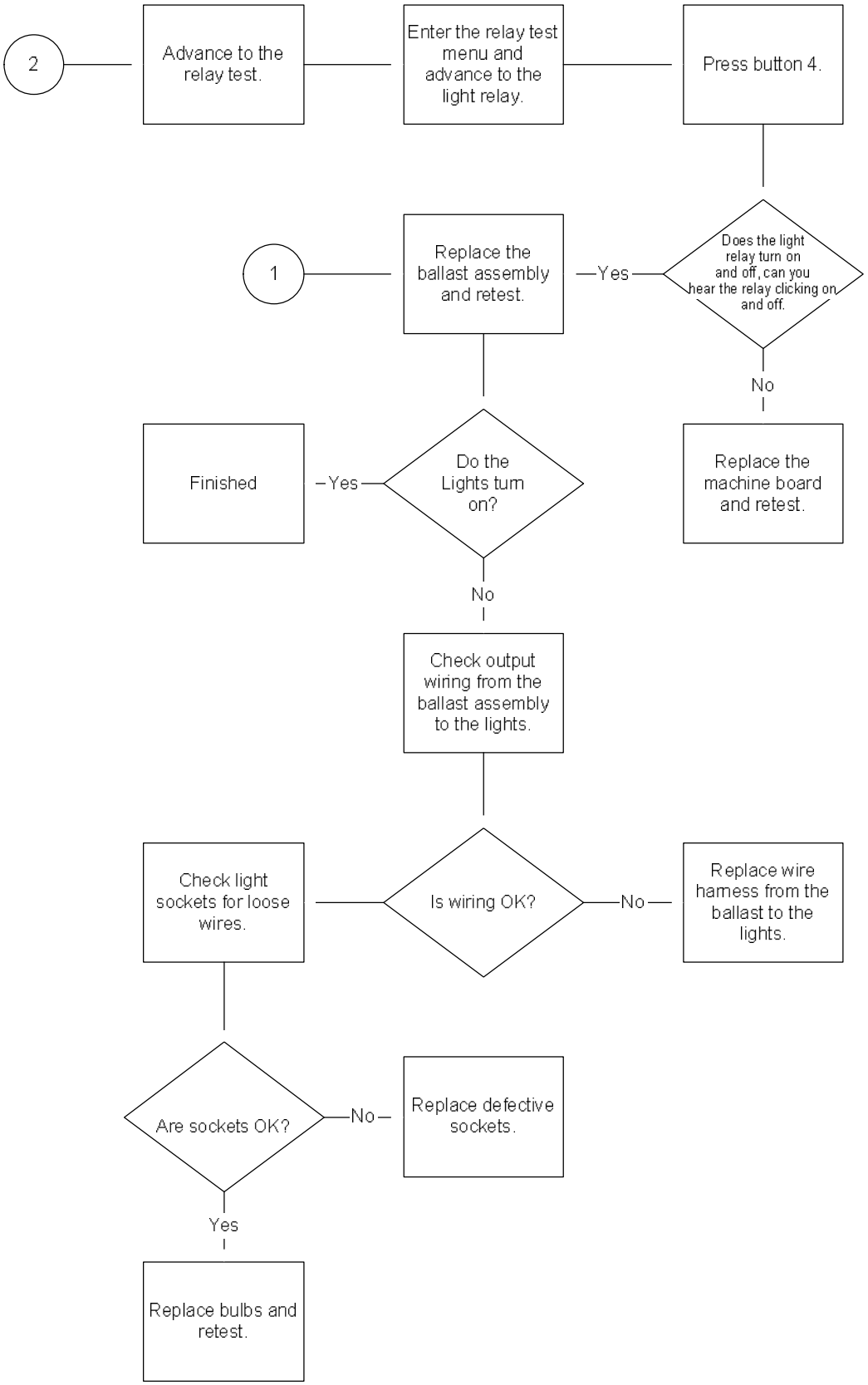

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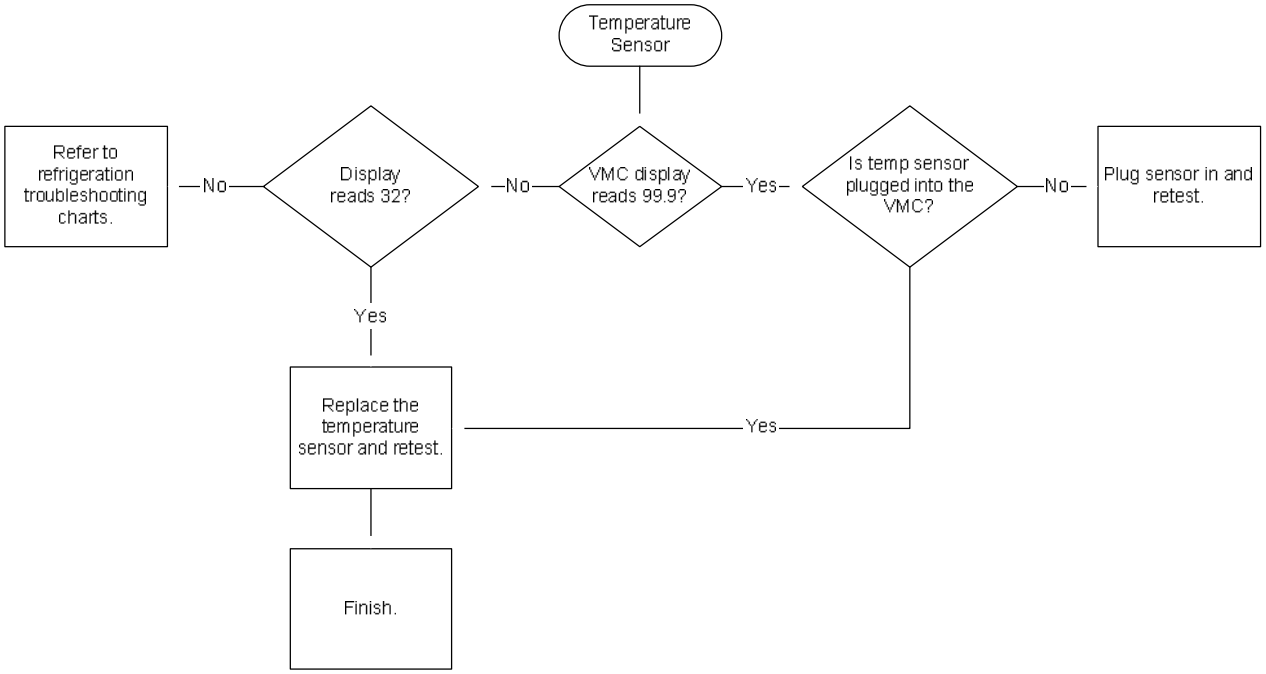

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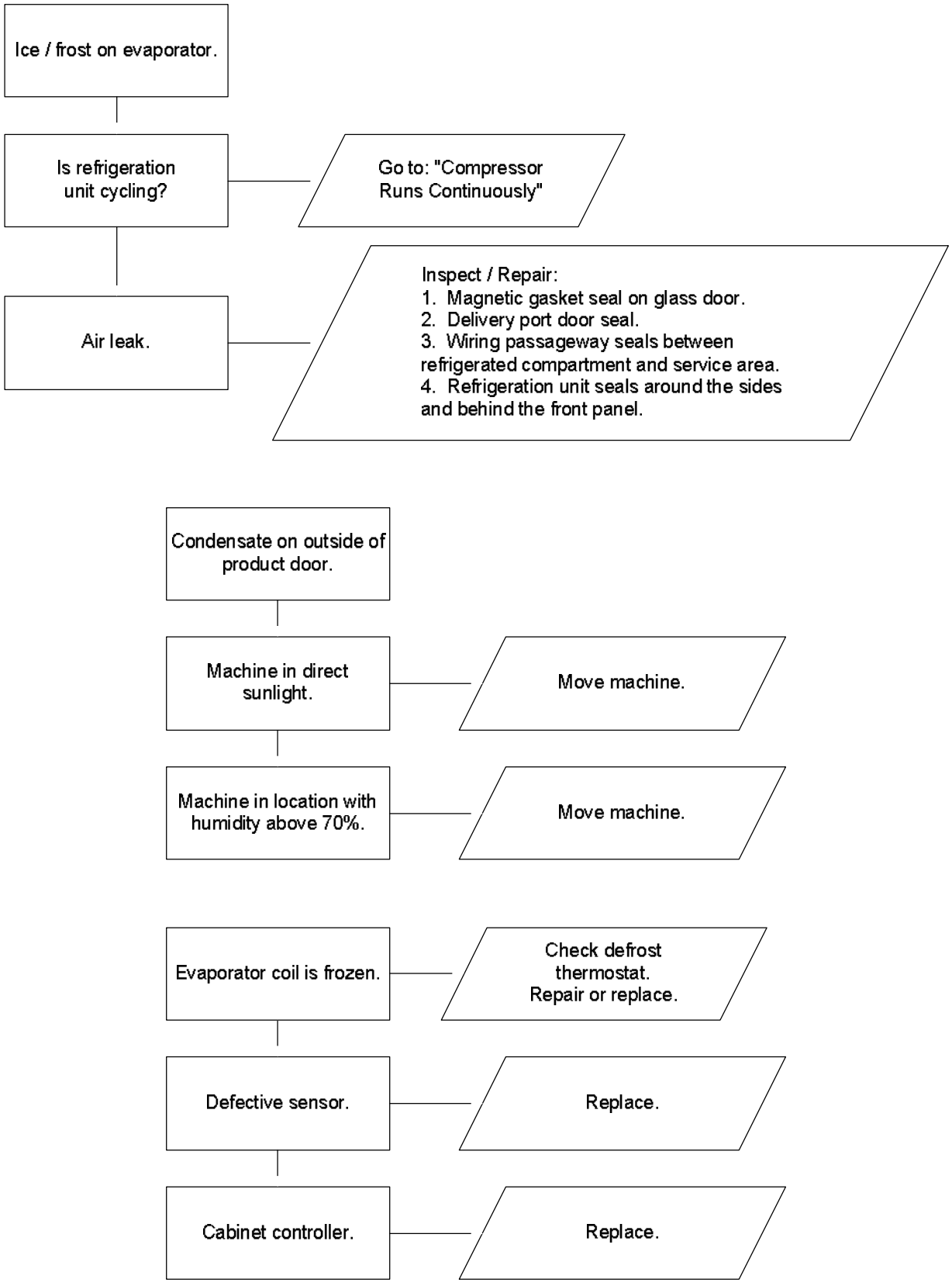
ICE / FROST ON EVAPORATOR



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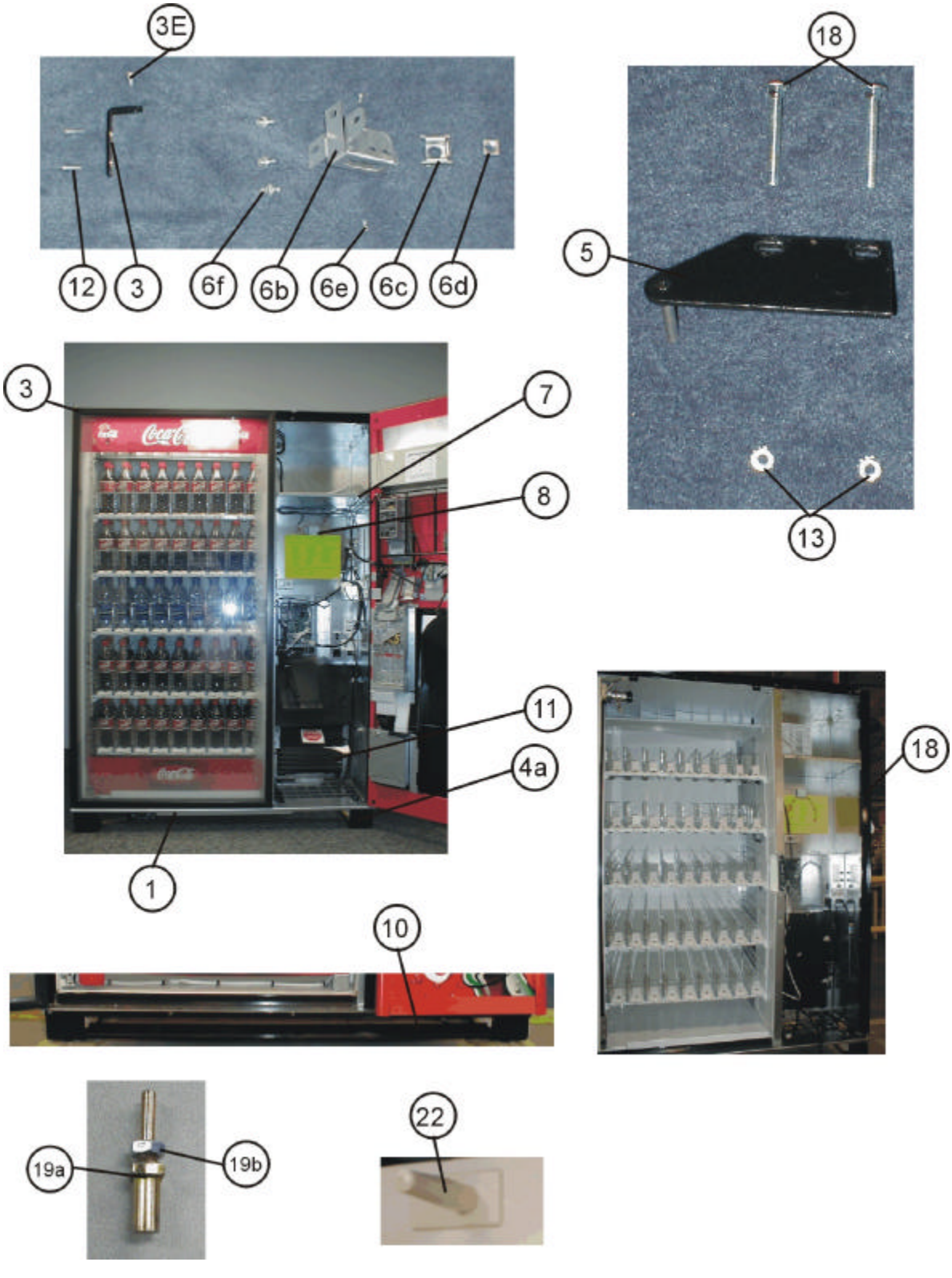
MACHINE FRONT VIEW



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PARTS

MACHINE FRONT VIEW

ITEM	DN5000 PART #	DN3000 PART #	PART DESCRIPTION
1A-1	800,102,29x.x1	800,102,40x.x1	Glass Door, 2 Pane (001-8250 and higher)
1A-2	800,101,87x.x1	NA	Glass Door, 2 Pane (prior to 001-8250)
1B-1	800,102,36x.x1	800,102,38x.x1	Glass Door, Special 3 Pane (001–8250 and higher)
1B-2	800,102,02x.x1	NA	Glass Door, Special 3 Pane (prior to 001–8250)
1C–1	626,055,30x.x3	800,102,33X.X1	Glass Door, Special Film 2 Pane Special (001–8250 and higher)
1C–2	800,102,12x.x1	NA	Glass Door, Special Film 2 Pane Special (prior to 001–8250)
2	801,814,58x.x1	TBD	Gasket, Glass Door
3A	801,306,49x.x1	SAME	Top Hinge, Glass Door – Horizontal Mounting (001-8250 and higher)
3B	801,306,48x.x1	NA	Top Hinge, Glass Door - Horizontal Mounting (001-8152 to 001-8250)
3C	801,305,70x.x1	NA	Top Hinge, Glass Door (prior to 001-8152)
3D	800,303,56x.x1	SAME	Top Hinge Screws ¼ - 20 (001-8152 and higher)
3E	800,303,41x.x1	NA	Top Pivot Pin, Glass Door (prior to 001-8152)
3F	801,814,52x.x1	SAME	Plastic Shoulder Bushing (Pike Glass Door)
4A	801,305,65x.x1	SAME	Leg, Cabinet Base
4B-1	900,502,49x.x1	SAME	Leveling Leg, 5/8-11x2 1/16″ (not shown)
4B-2	800,503,38x.x1	SAME	Leveling Leg Japan (not shown)
4C	805,410,96x.x1	SAME	Skid Board (not shown)
5	W334	SAME	Top Hinge, Service Door
6A	432,052,50x.x4	SAME	Nut Retainer Housing Assembly
6B	432,050,73x.x3	SAME	Nut Retainer Housing
6C	801,303,85x.x1	SAME	Cage Nut
6D	900,801,06x.x1	SAME	Square Nut, ½-13
6E	900,301,97x.x1	SAME	Screw, Phil Pan #8-32x1/4
6F	900,302,01x.x1	SAME	Screw, Hex ¼-20x5/8
7	626,030,19x.x3	SAME	Storage Shelf Panel
8	804,400,51x.x1	SAME	Ballast Assembly (SP-3)
9A	801,401,88x.x1	SAME	Loading Platform (not shown)
9B	626,050,21x.x3	SAME	Support Bracket, Loading Rack
9C	626,050,37x.x3	SAME	Latch, Loading Rack (not shown)
10A	626,020,26x.x3	636,020,07x.x3	Bottom Skirt
10B	800,303,38x.x1	SAME	Screw, Truss AB #8 - 18 x 1/2
11	801,813,13x.x1	SAME	Condenser Intake Guard
12	800,303,37x.x1	SAME	Screw, Phil Pan ¼-20x3/4L (prior to 001-8152)
13	900,800,67x.x1	SAME	Keps Nut ¼-20
14	627,020,60x.x4	SAME	Lag Bracket Kit (see Tech Bulletin 344)
15A	626,060,00x.x3	636,060,20x.x3	Cabinet Assy., 72″ Domestic
15B	626,060,30x.x3	TBD	Cabinet Assy., 72″ Export
16A	626,020,39x.x4	SAME	Harvest Unit Installation Hardware Kit
16B	626,030,28x.x3	SAME	Harvest Bracket
17	W766	SAME	Carriage Bolt, ¼-20
18	626,020,42x.x3	SAME	Right Security Angle
19A	800,503,33x.x1	SAME	Bottom Service Door Hinge (001-8191 and higher)
19B	800,801,28x.x1	SAME	Nut, Jam (001-8191 and higher)
19C	800,902,68x.x1	SAME	Sleeve, Anti-Vandal (001-8191 and higher)
20A	626,052,70x.x4	SAME	Kit, Vandal Plate, Vac Form (Service Part) (prior to 001-8152)
20B	805,701,91x.x1	SAME	Vandal Plate Injection Molded (001-8152 and higher)
21	626,040,08x.x3	SAME	Ingress Guard
22	804,100,77x.x1	SAME	Power Interrupt Switch - Cabinet

TBD – To Be Determined

Part numbers subject to change with out notice.

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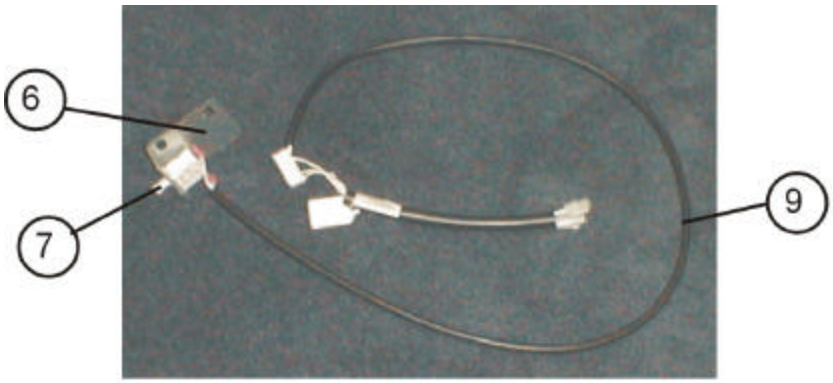
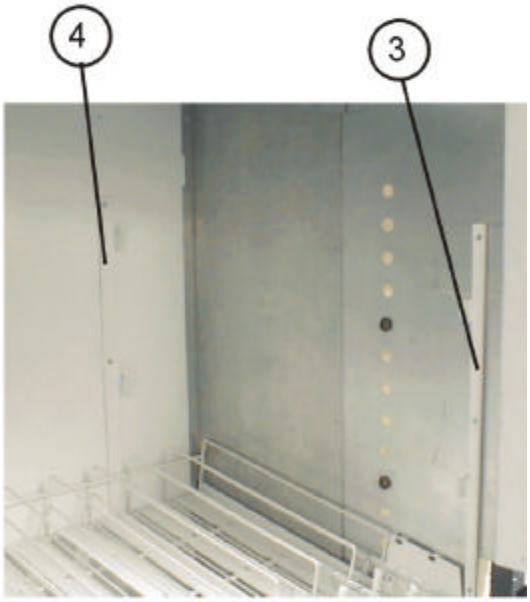
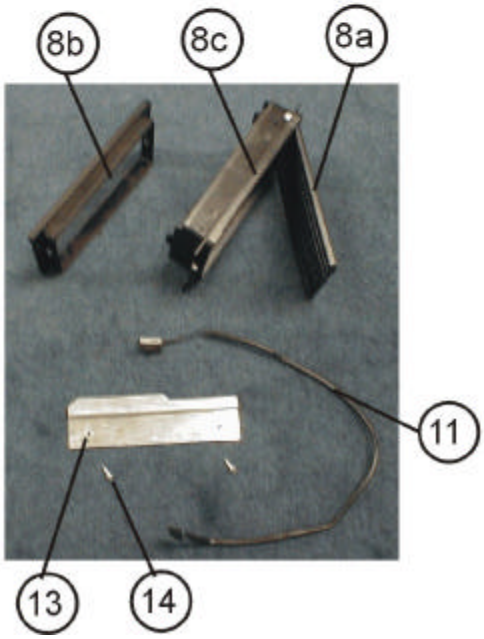
CABINET DETAIL







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CABINET DETAIL

ITEM	DN5000 PART #	DN3000 Part #	PART DESCRIPTION
1A	626,060,00x.x3	636,060,20x.x3	Cabinet Assembly Domestic
1B	626,060,30x.x3	TBD	Cabinet Assembly Export
1C	637,050,50x.x3	TBD	Cabinet Assembly Export Japan
2A	626,070,25x.x3	SAME	Tray Support, Left Side (not shown) – Domestic
2B	626,070,62x.x3	SAME	Tray Support, Left Side – Export
3A	626,070,08x.x3	NA	Tray Support, Right Side – Domestic (prior to 001-8152)
3B	626,070,63x.x3	NA	Tray Support, Right Side – Export (prior to 001-8152)
3C	626,070,67x.x3	SAME	Tray Support, Right Side – Domestic (001-8152 and higher)
3D	626,070,71x.x3	SAME	Tray Support, Right Side – Export (001-8152 and higher)
4A	626,070,19x.x3	SAME	Tray Support, Rear – Domestic
4B	626,070,64x.x3	SAME	Tray Support, Rear – Export
5A	626,020,05x.x3	636,020,05x.x3	Security Angle, Top
5B	626,020,12x.x3	SAME	Security Angle, Left
5C	626,020,42x.x3	SAME	Security Angle, Right
6	626,070,51x.x3	SAME	Door Switch Bracket
7	804,100,77x.x1	SAME	Door Switch
8	801,812,41x.x1	SAME	*Discharge Door Frame Assy (Does not include Discharge Frame Back)
8A	801,812,90x.x1	SAME	Discharge Door
8B - 1	801,817,51x.x1	SAME	Discharge Frame – refrigerated side (001-8152 and higher)
8B - 2	801,812,91x.x1	NA	Discharge Frame – refrigerated side (prior to 001-8152)
8C	801,812,92x.x1	SAME	Discharge Frame Back
8D	801,401,92x.x1	SAME	Discharge Door Rod
8E	901,701,15x.x1	SAME	Discharge Door Spring
8F	801,814,29x.x1	NA	Rivet, Plastic Snap 1/8” (prior to 001-8152)
8G	801,814,30x.x1	NA	Cap, Plastic Snap 1/8” (prior to 001-8152)
9	804,915,76x.x1	SAME	KO Machine Options Harness
10	801,305,71x.x1	SAME	KO Mounting Plate
11	804,915,64x.x1	SAME	Discharge Door Switch Harness
12	626,020,28x.x3	SAME	Service Door Strike Plate
13	801,306,02x.x1	SAME	Sensor Guard Plate
14	800,303,21x.x1	SAME	Screw, 8-18x1/2
15	801,814,48x.x1	SAME	Right Side Tray Support Spacer
16	801,306,14x.x1	NA	Conveyor Guide, Right Side (001-8152 and higher)
17	626,050,33x.x3	636,050,01x.x3	Conveyor Product Deflector Ramp
18	801,306,14x.x1	SAME	Right Side Conveyor Guide (001-8152 and higher)

*NOTE: 8063 production run needs a special discharge door frame assembly or the opening will need modification.

Part numbers subject to change with out notice.

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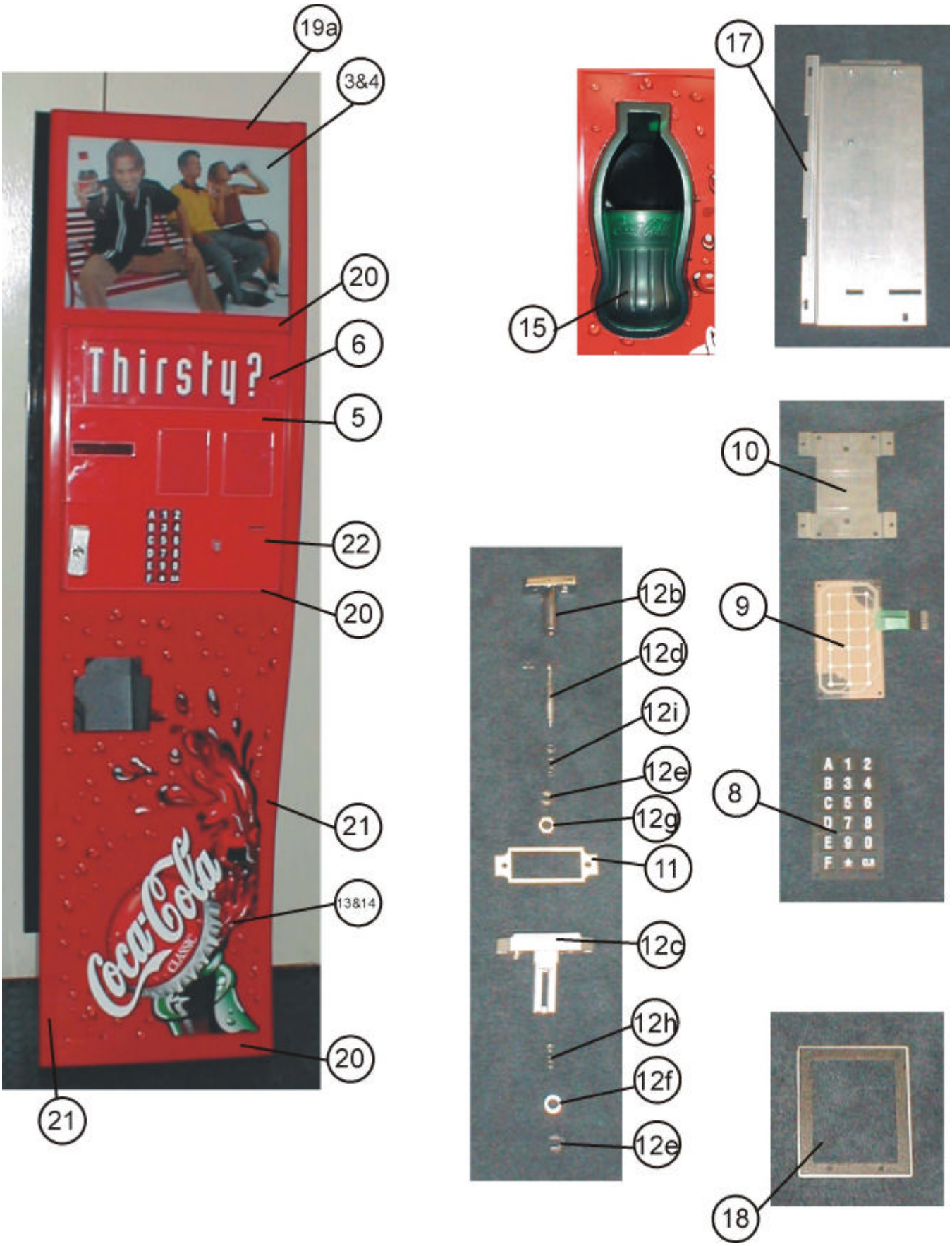
SERVICE DOOR FRONT



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PARTS

DN5000 & DN3000 SERVICE DOOR (FRONT)

	CGF (Coke Glass Front)	DGF (Dasani Glass Front)	
ITEM	**PART NUMBER**	**PART NUMBER**	**PART DESCRIPTION**
1A	626,054,10x.x3	626,054,30x.x3	Service Door Assembly Domestic (IR)
1B	626,054,40x.x3	626,055,70x.x3	Service Door Assembly Export (IR)
1C	637,051,40x.x3	TBD	Service Door Assembly Japan (IR)
2	626,050,10x.x3	626,053,10x.x3	Door Frame Assembly
3A	805,025,32x.x1	SAME	Advertise Window
3B	801,305,75x.x1	SAME	Retainer Clip, Ad Panel
4	803,859,34x.x1	803,866,96x.x1	Advertise Card, Domestic
5A	626,054,00x.x3	626,054,90x.x3	Transaction Panel Assembly Domestic
5B	626,052,40x.x3	TBD	Transaction Panel Assembly Export
5C	637,050,90x.x3	TBD	Transaction Panel Assembly Japan
6	801,810,69x.x1	SAME	POS Lens, Coin Insert Panel
7A	626,050,36x.x3	SAME	Backup Plate Flat Keypad, Coin Insert Panel
7B	624,050,48x.x3	SAME	Backup Plate, Coin Insert Panel
8A	803,863,03x.x1	SAME	Keypad Overlay – Flat Keypad
8B	W453-2	SAME	Keypad, Button Array – Rubber
8C	626,031,80x.x4	SAME	Keypad Guard Kit (use with Button Array Keypad –Rubber)
9	804,918,26x.x1	SAME	Membrane, Button Array
10A	626,050,03x.x3	SAME	Membrane, Plate Back
10B	626,050,36x.x3	SAME	Keypad Plate Flat (use with keypad overlay)
10C	626,010,60x.x4	SAME	Flat Keypad Kit
11	805,701,24x.x1	SAME	T-Handle Shim
12A	801,519,13x.x1	SAME	T-Handle Assembly
12B	801,518,14x.x1	SAME	T-Handle
12C	801,518,18x.x1	SAME	T-Handle Flange
12D	801,519,14x.x1	SAME	T-Handle Stud
12E	801,507,34x.x1	SAME	External Retaining Ring
12F	901,503,06x.x1	SAME	Flat Washer
12G	901,503,09x.x1	SAME	Cross Pin
12H	901,503,05x.x1	SAME	Spring
12I	901,508,18x.x1	SAME	Spring
12J	626,050,32x.x3	SAME	T-Handle Bracket
13	626,051,20x.x3	SAME	Bottom Panel Service Door
14	803,858,37x.x1	803,866,41x.x1	Port Panel Decal
15	801,812,38x.x1	801,815,75x.x1	Port Bezel
17	626,050,01x.x3	SAME	Coin Mech Panel
18	902,001,02x.x1	SAME	Validator Gasket
19A	626,050,57x.x3	626,070,77x.x3	Trim, Top
19B			Top Trim Locking Bar (no longer used)
20	626,070,74x.x3	626,070,75x.x3	Horizontal Trim
21	626,070,78x.x3	626,070,79x.x3	Vertical Trim
22A	803,863,46x.x1	803,868,20x.x1	Transaction Panel Label – English Domestic
22B	803,863,47x.x1	TBD	Transaction Panel Label – French
22C	803,863,43x.x1	TBD	Transaction Panel Label – English Export
22D	803,863,44x.x1	TBD	Transaction Panel Label – French Canadian
22E	803,863,42x.x1	TBD	Transaction Panel Label - Spanish
23	800,801,15x.x1	SAME	Wiring Nut 8-32 (remote access panel)
24	804,916,26x.x1	SAME	Flat Cable Mount (keypad harness)
25	803,862,78x.x1	SAME	Validator Filler Label (not shown)
26	626,054,70x.x4	626,054,80x.x4	Kit, T-Handle Lock Cover

TBD – To Be Determined, not available at print.

Part numbers subject to change with out notice.

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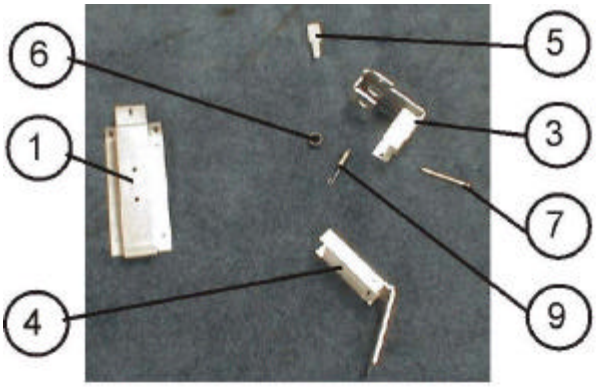
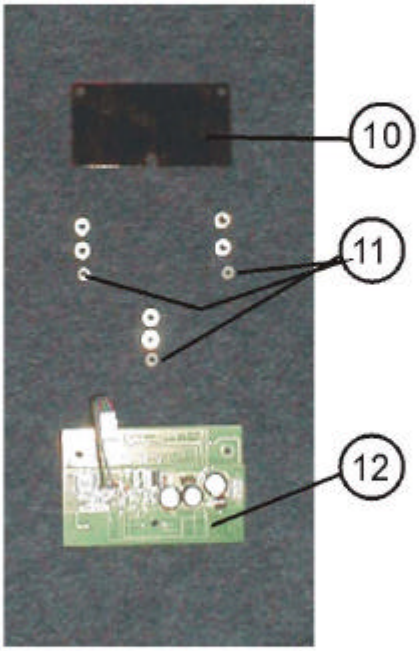
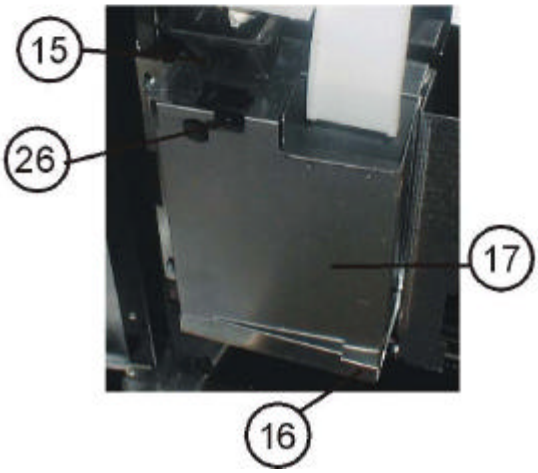
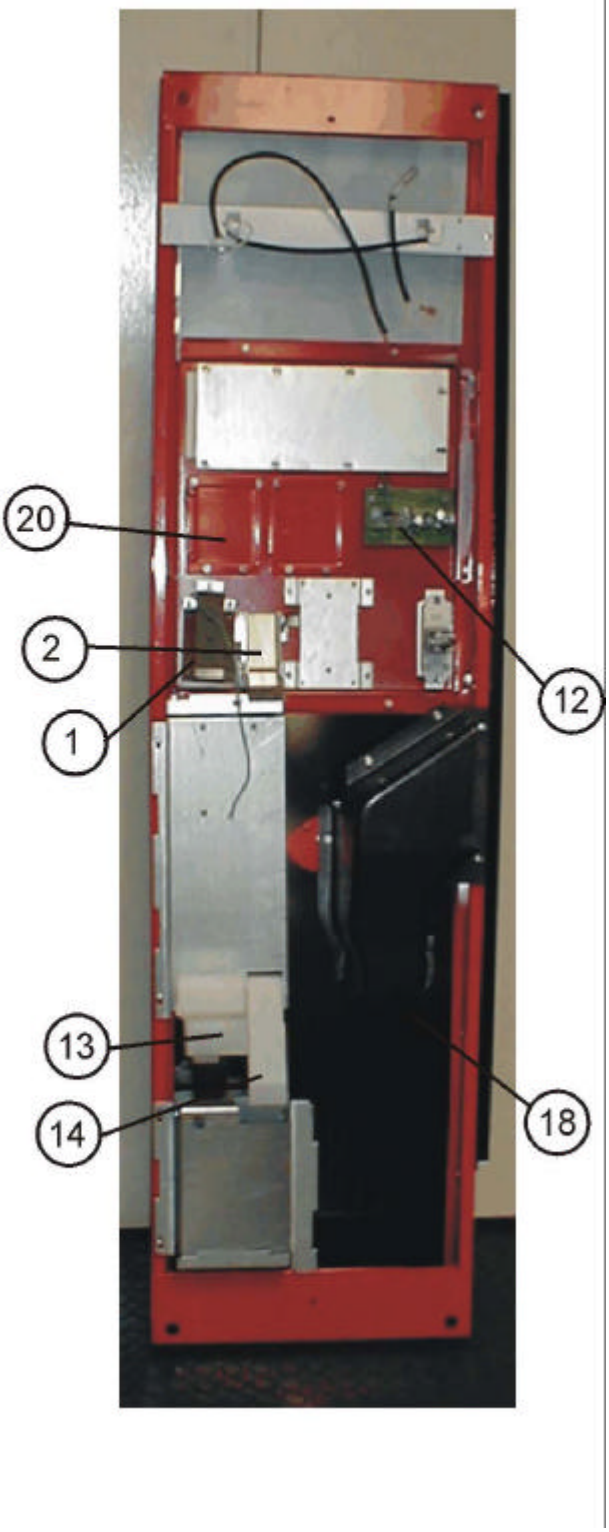
SERVICE DOOR (INSIDE)









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DN5000 & DN3000 SERVICE DOOR (INSIDE)

ITEM	PART NUMBER	PART DESCRIPTION
1	626,050,20x.x3	Assembly Chute, Coin Insert
2	626,050,30x.x3	Assembly Coin Return
3	626,050,04x.x3	Coin Return Button Bracket
4	626,050,05x.x3	Coin Return Button Rocker
5	801,807,25x.x1	Coin Return Push Button
6	801,903,13x.x1	Bushing, .51Dx625 Hole
7	900,502,19x.x1	Roller Pin
8	900,900,90x.x1	Roller Pin Retainer (not shown)
9	901,701,07x.x1	Coin Return Spring
10	801,903,76x.x1	Red Display Filter
11	901,001,46x.x1	Stand Off, .192x312x312
12A	804,919,93x.x1	Display Domestic - IR (203-8211 and higher)
12B	804,914,86x.x1	Display Assembly (prior to 203-8211)
12C	804,920,05x.x1	Display Eprom (804,919,93x.x1 display board, 203-8211 and higher)
12D	804,914,97x.x1	Display Eprom (804,914,86x.x1 display board, prior to 203-8211)
13	801,806,58x.x1	Coin Hopper and Chute
14	801,806,59x.x1	Coin Chute Front
15	801,810,14x.x1	Change Cup
16	626,050,08x.x3	Cash Box Shelf
17	432,051,80x.x3	W/A Cash Box
18A	801,815,30x.x1	Injection Molded Discharge Port Assembly
18B	801,814,66x.x1	Discharge Port
19	626,050,23x.x3	Harvest Mounting Bracket
20A	624,050,93x.x3	Bill Validator Filler Plate
20B	637,051,00x.x3	Japanese Yen Validator Bracket Assembly
21	803,600,92x.x1	Discharge Port Pad
22	801,813,07x.x1	Backer Bezel Panel
23	626,050,25x.x3	Port Mounting Bracket
24	626,020,35x.x3	Vandal Plate, Port – Vacum Formed
25A	626,052,70x.x4	Vandal Plate, Vacuum Formed Port Kit (Prior to 318-8166)
25B	805,701,91x.x1	Vandal Plate, Injection Molded Port (318-8166 and higher)
25C	626,053,20x.x4	Injection Molded Port Assembly Kit
25D	805,702,07x.x1	Vandal Plate, Injection Molded – Extended (318-8166 and higher)
26	801,814,68x.x1	Cash Box Clip
27	626,052,10x.x3	Cash Box Lock Assembly
28	626,020,40x.x4	Griffin Card Reader Kit (includes card reader)

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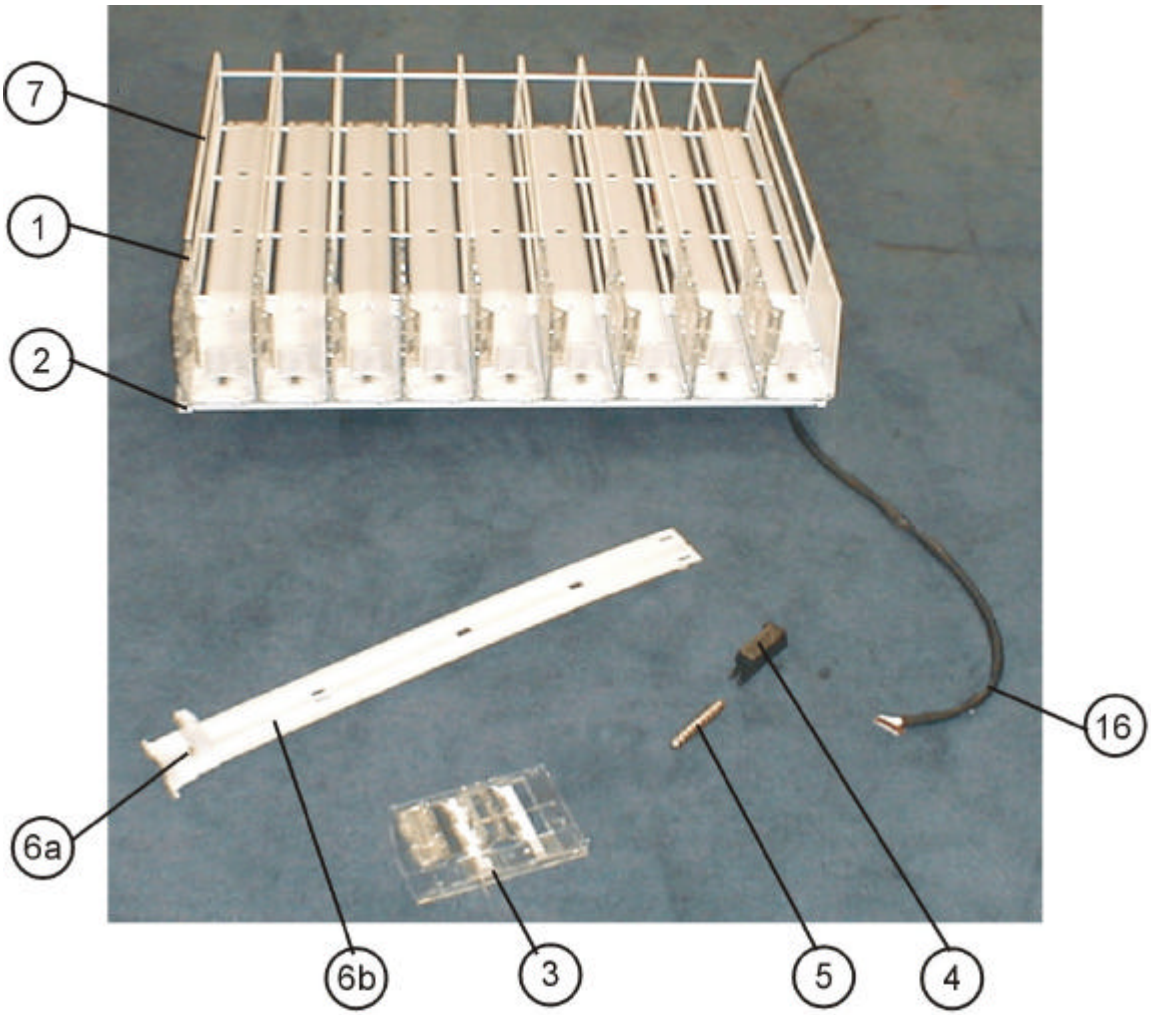
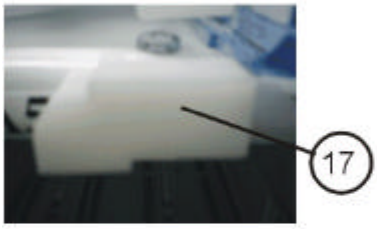
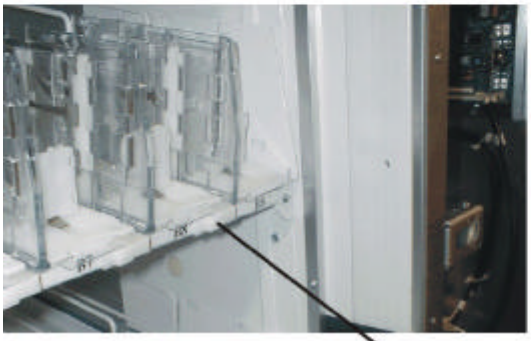
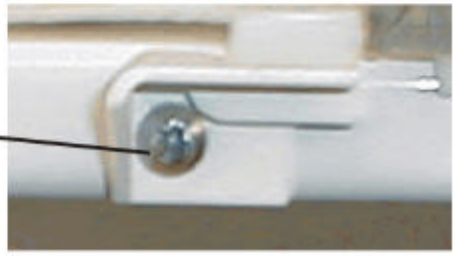
TRAY ASSEMBLY









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TRAY ASSEMBLY

ITEM	DN5000 PART #	DN3000 PART #	PART DESCRIPTION
1	626,071,30x.x3	636,070,20x.x3	Tray Assembly
2	626,070,09x.x3	635,070,01x.x3	Tray Chassis
3	801,903,83x.x1	SAME	Gate Assembly with Kicker
4	804,300,16x.x1	SAME	Solenoid
5	801,519,29x.x1	SAME	Plunger and Spring Assembly
6A	801,903,82x.x1	SAME	Slide with Product Pusher Assembly
6B	801,812,79x.x1	SAME	Product Pusher Slide, Bottom
6C	901,701,08x.x1	SAME	Product Pusher Spring (not shown)
7	801,401,98x.x1	801,402,21x.x1	Wire Tray, Rigid
8	W485-1	SAME	Label, Position Selection Sheet
9	622,070,04x.x3	SAME	Side Shelf Stiffener (not shown)
10	W789	SAME	Cotter Pin (not shown)
11	W218	SAME	Solenoid Retainer Washer (not shown)
12	W398	SAME	Retainer Washer (not shown)
13A	D334	SAME	Screw, Hex Washer 4-24x3/4″ 1/8” (not shown)
13B	800,101,94x.x1	SAME	Socket, 1/8″ Drive 1/4″
14	901,901,00x.x1	SAME	Wire Tie, 4″ (not shown)
15	See List	SAME	Spacers
15A	801,812,69x.x1	SAME	Spacer – A
15B	801,812,81x.x1	SAME	Spacer – B
16	804,913,74x.x1	804,920,34x.x1	Tray Harness (not shown)
17A	801,812,83x.x1	SAME	Can Rotator, Gray – Snap in Rotator
17B	801,812,99x.x1	SAME	Product Rotator, White - Snap In Rotator
18A	801,903,84x.x1	SAME	Stabilizer, Columns 1 & 9 or 1 & 6
18B	801,903,85x.x1	SAME	Stabilizer, Columns 2 through 8 or 2 through 5
19	900,301,56x.x1	SAME	Screw, 8-32x3/8 Phil Pan (for old style rotator)
20	800,101,94x.x1	SAME	¼” Drive Socket 1/8” 6 point

Part numbers subject to change with out notice.

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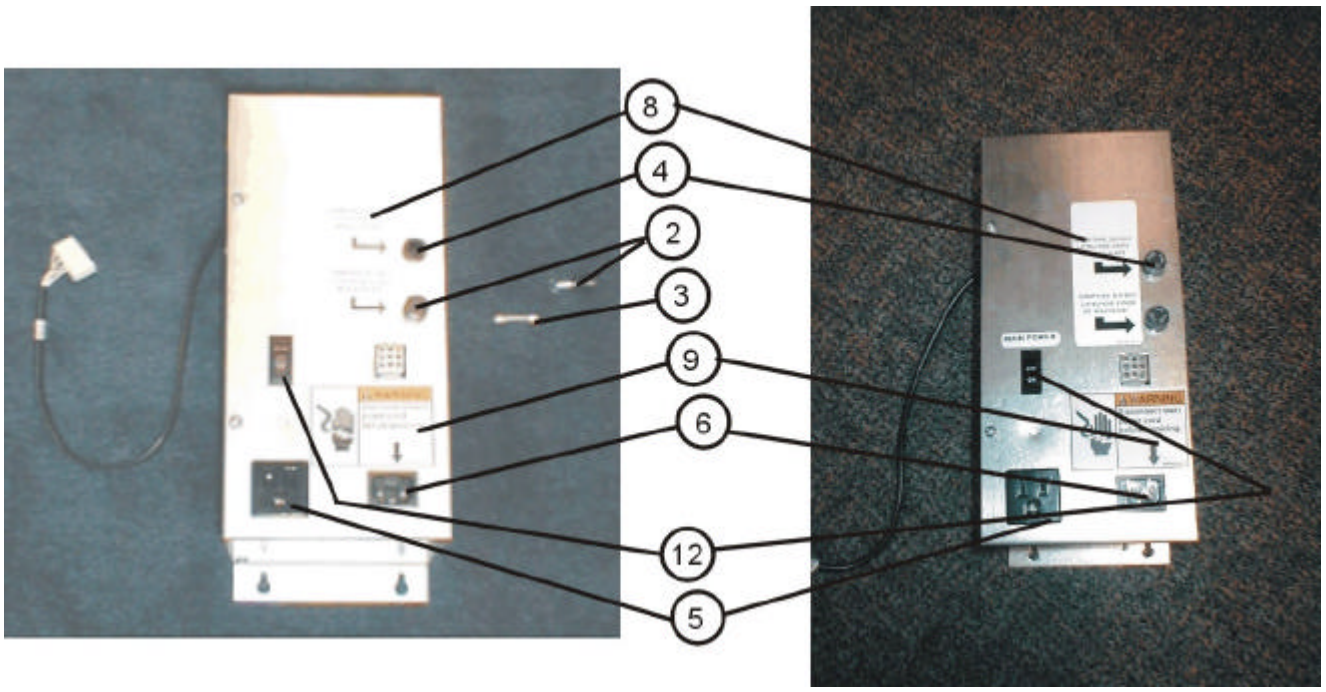
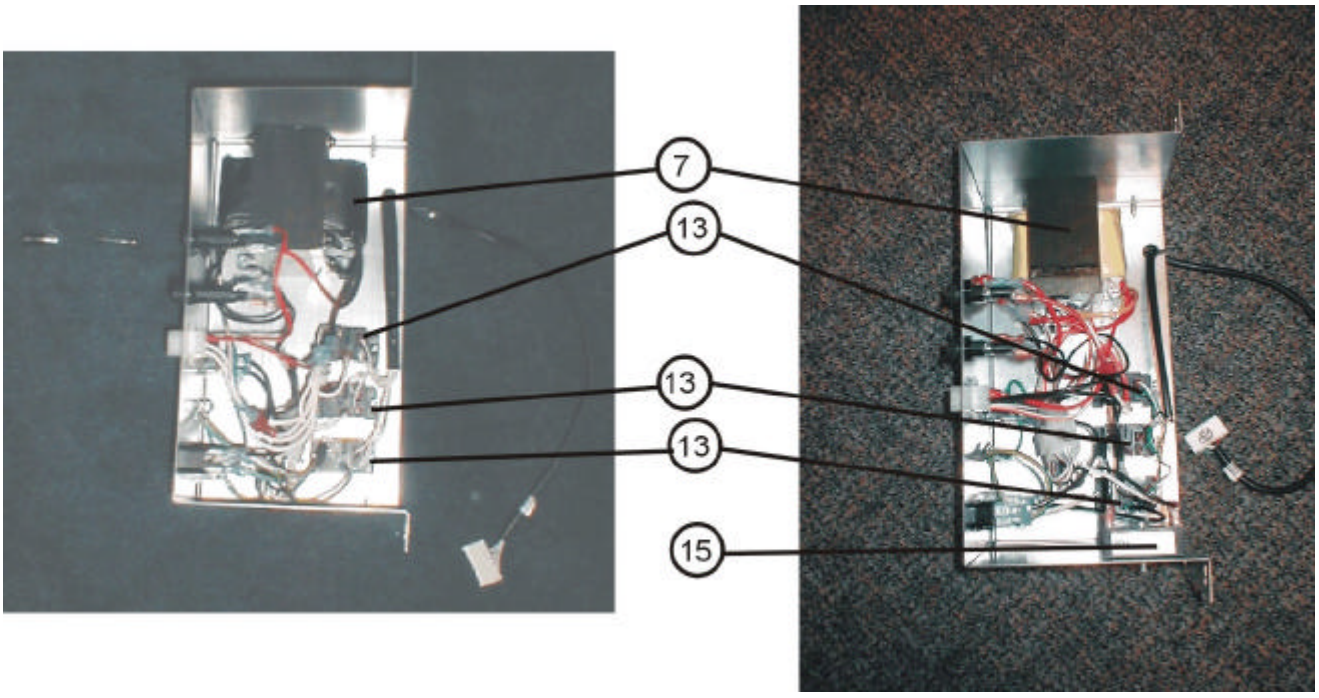
AC DISTRIBUTION BOX (DOMESTIC SHOWN)



1A-2
prior to 049-8234

1A-1
049-8234 & Up



1A-2
prior to 049-8234

1A-1
049-8234 and up

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DN5000 & DN3000 AC DISTRIBUTION BOX

ITEM	PART NUMBER	PART DESCRIPTION
1A - 1	626,031,90x.x3	*AC Distribution Box Assembly T8 Electronic Domestic (049-8234 and higher)
1A - 2	626,030,40x.x3	AC Distribution Box Assembly Domestic
1A - 3	637,050,10x.x3	AC Distribution Box Assembly Japan
1B	626,030,70x.x3	AC Distribution Box Assembly Export
1C	626,031,30x.x3	AC Distribution Box Assembly Korea
2	804,920,02x.x1	Fuse Holder, Panel Mounted – Quick Disconnect
3	W658	Fuse 2 Amp 250V Slo Blo
4	W659	Fuse 10 Amp 32V Slo Blo
5	W662	AC Outlet, 15 Amp Grounded
6	804,913,62x.x1	Power Inlet Plug
7	804,915,54x.x1	Transformer, 110V / 24V 8A
8A	803,860,28x.x1	2 Amp Fuse / 10 Amp Fuse Label, Domestic
8B	803,860,83x.x1	Fuse Label, Export
9A	803,853,22x.x1	Label, Electrical Box “WARNING – DISCONNECT MAIN POWER CORD BEFORE SERVICING”, Domestic
9B	803,860,84x.x1	Power Disconnect Label, Export
10A	804,920,56x.x1	*AC Distribution Harness Domestic T8 Electronic (049-8234 and higher)
10B	804,913,71x.x1	*AC Power In Harness, not shown - goes to item 6 (prior to 049-8234)
11A	804,920,58x.x.1	*Power Distribution Harness Domestic T8 Electronic (049-8234 and higher)
11B	804,915,87x.x1	*Power Distribution Harness, not shown – goes to item 5 (prior to 049-8234)
12	804,915,15x.x1	Rocker Switch Panel Mount
13	804,200,26x.x1	Relay
14	803,860,85x.x1	Main Power Label
15	804,920,41x.x1	Choke
16	903,825,86x.x1	Label, Warning High Voltage
17	804,913,77x.x1	Cord, Main Power
18	804,800,87x.x1	Circuit Breaker 30A Japan
19	804,916,93x.x1	Switch 3 Position Rotary (Exports only)

*Includes 115 to 162 – 8233

Part numbers subject to change with out notice.

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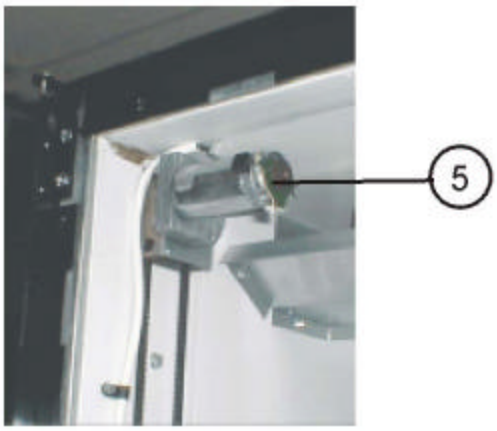
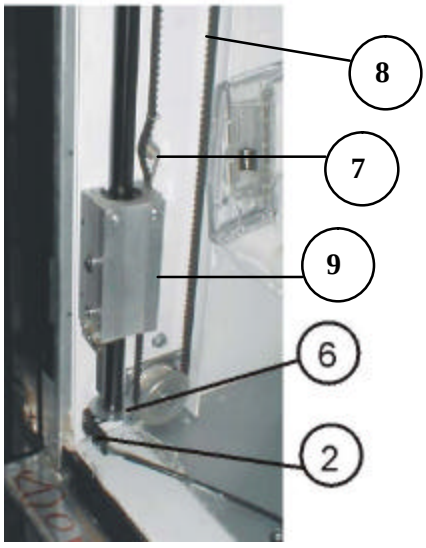
ELEVATOR





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DN5000 & DN3000 ELEVATOR

ITEM	PART NUMBER	PART DESCRIPTION
1	805,202,37x.x1	Elevator with Motor Assembly
2A	804,100,99x.x1	Lower Motor Limit Switch
2B	801,306,03x.x1	Bracket, Home Position Aluminum
3	801,813,09x.x1	Upper Limit Switch Assembly
4	804,101,04x.x1	Lower Limit Switch Magnet
5	804,501,21x.x1	Elevator Motor
6	801,306,11x.x1	Washer, Aluminum
7	801,401,97x.x1	Belt Tensioner Spring
8	801,813,14x.x1	Elevator Drive Belt
9	804,800,84x.x1	Assembly Pillow Block
10	801,306,03x.x1	Aluminum Home Switch Bracket

Part numbers subject to change with out notice.

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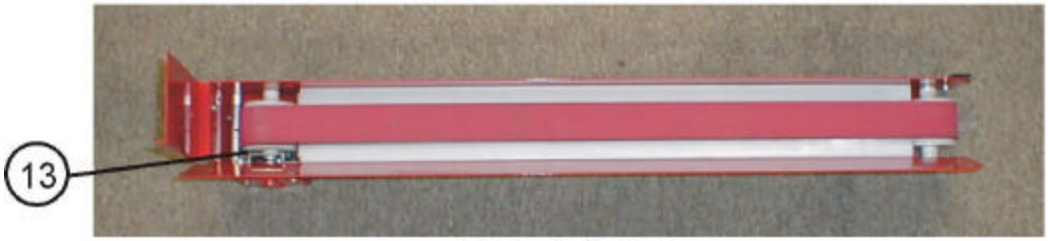
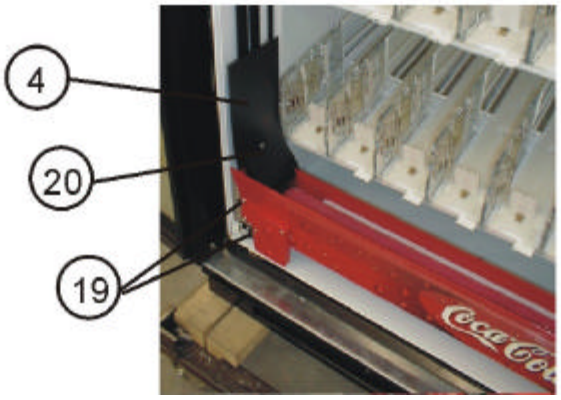
CONVEYOR

Front View

Bottom View



Top View



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CONVEYOR

	DN5000	DN3000	
ITEM	PART NUMBER	PART NUMBER	PART DESCRIPTION
1	626,070,50x.x3	636,070,00x.x3	Coke Conveyor Assembly
	626,070,81x.x3	636,070,50x.x3	Dasani Conveyor Assembly
2	804,915,81x.x1	SAME	Conveyor Assembly Wiring (not shown)
3	804,915,75x.x1	SAME	Power Cord (not shown)
4	801,813,08x.x1	SAME	Product Slide, Conveyor
5	801,812,65x.x1	SAME	Tip Arm Base
6	801,401,94x.x1	SAME	Tip Arm
7	626,050,33x.x3	SAME	Product Deflector Ramp
8	626,070,31x.x3	SAME	Coke Conveyor Deflector
	626,070,83x.x3	SAME	Dasani Conveyor Deflector
9	801,803,03x.x1	SAME	Conveyor Nyliner
10	626,070,22x.x3	636,070,03x.x3	Coke Conveyor Rear Plate
	626,070,22x.x3	636,070,04x.x3	Dasani Conveyor Rear Plate
11	626,070,21x.x3	636,070,10x.x3	Coke Conveyor Front Plate
	626,070,72x.x3	636,070,90x.x3	Dasani Conveyor front Plate
12	804,501,16x.x1	SAME	Conveyor Motor
13	800,503,09x.x1	SAME	Conveyor Spacer
14	801,812,42x.x1	801,817,56X.X1	Conveyor Bed
15	801,812,85x.x1	SAME	Conveyor Drive Pulley Assembly
16	801,812,84x.x1	SAME	Conveyor Idler Pulley Assembly
17	804,915,81x.x1	SAME	KO Conveyor Harness
18	801,812,35x.x1	801,817,57x.x1	Conveyor Belt (1.5″ wide, .125″ thick)
19A	800,902,62x.x1	SAME	Shoulder Phil Head with Locking Patch (001-8100 and higher)
19B	800,303,36x.x1	SAME	Screw, Phil Pan 10-32X3/8 – conveyor to pillow block (prior to 001-8100)
19C	800,303,42x.x1	SAME	Upgrade Kit Screws (prior to 001-8100)
19D	900,700,02x.x1	SAME	Washer (used with 800,303,42x.x1)
19E	626,010,00x.x4	SAME	Conveyor Mounting Screw (prior to 001-8100)
20	800,303,42x.x1	SAME	Screw, Phil pan w/ Nylock #8-32x3/8
21	801,813,44x.x1	SAME	Coke Conveyor Motor Cover
	801,815,59x.x1	SAME	Dasani Conveyor Motor Cover
22	801,814,48x.x1	SAME	Tray Support Spacer
23	803,859,73x.x1	803,869,39x.x1	Coke Conveyor Decal
	803,866,42x.x1	TBD	Dasani Conveyor Decal

Note: Conveyor Motor gets 24VDC
Elevator Motor gets 24VDC
Elevator encoder gets 5VDC
Part numbers subject to change with out notice.

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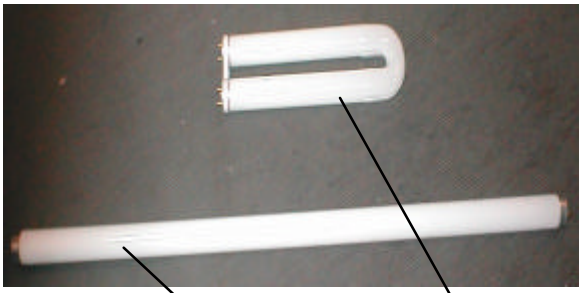
LIGHTING



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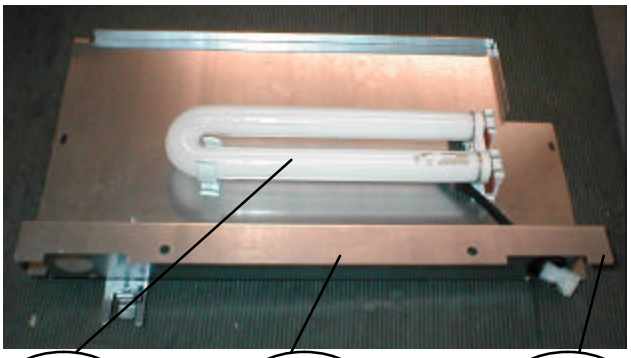
B2A



B2A

B1A

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A7

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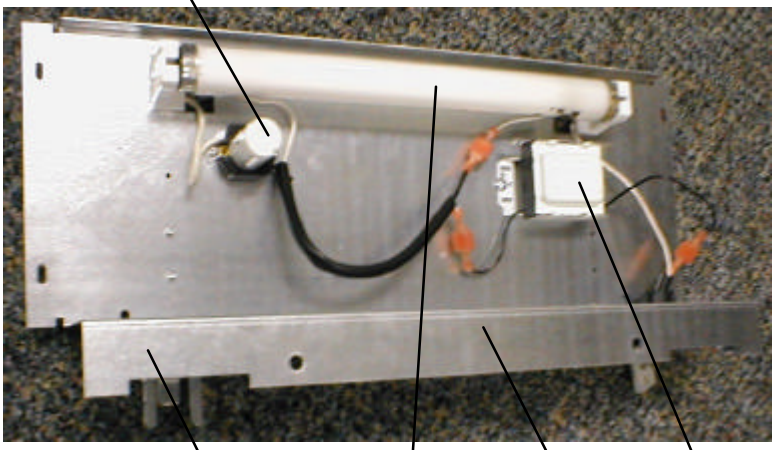
A5

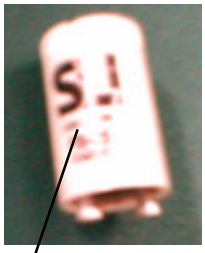


B3B

B2B

B1B

A4B



A7

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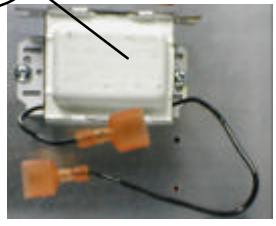
A4B



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PARTS

ITEM	DN5000 PART #	DN3000 PART #	PART DESCRIPTION
A1A	626,072,10x.x3	TBD	*Assembly Lighting System, Cabinet T8 Electronic Domestic/Japan (049-8234 and higher)
A1B	626,070,80x.x3	636,070,30x.x3	*Assembly Lighting System, Cabinet Domestic (prior to 049-8234)
A1C	626,031,00x.x3	636,071,20x.x3	Assembly Lighting System, Cabinet Export
A2A	626,072,20x.x3	636,070,80x.x3	*Lamp Channel Assembly T8 Electronic Domestic (049-8234 and higher)
A2B	626,070,90x.x3	NA	Lamp Channel Assembly (prior to 049-8234)
A3A	804,920,53x.x1	SAME	Cabinet Lighting Harness T8 Electronic
A3B	804,915,67x.x1	NA	Cabinet Lighting Harness (not shown)
A4A	804,400,58x.x1	SAME	*Ballast HF-P218TLD, 220-240V T8 Electronic Domestic (049-8234 and higher)
A4B	804,400,44x.x1	NA	*Ballast, 20 Watt Pre-Heat Domestic (prior to 049-8234)
A4C	804,400,58x.x1	SAME	Ballast HF-P 218 TLD 220-240V Electronic Export
A4D	804,400,71x.x1	SAME	Ballast, 2 Lamp T8 Electronic Advance 120/60
A4E	626,030,90x.x3	TBD	Ballast Electronic Long, Assembly - Export
A5	801,903,90x.x1	801,904,38X.X1	Lamp Shield
A6A	804,700,79x.x1	NA	*Lamp, 30 inch F021/865/XP/ECO - T8 (049-8234 and higher)
	NA	804,700,82X.X1	Lamp, 18 inch F013/865/XP/ECO - T8
A6B	804,700,69x.x1	NA	*Lamp, F18 T8 CW/30″ (prior to 049-8234)
	NA	804,700,89x.x1	Lamp, F15 T8/CW/18″ Export
A7	904,800,41x.x1	NA	Starter FS-25
A8	804,101,07x.x1	SAME	Switch, PI
A9	626,070,61x.x1	NA	Lamp Channel Starter Bracket
A10A	801,904,35x.x1	801,904,37x.x1	*Lamp Cover, Instant Start T8 (049-8234 and higher)
A10B	801,904,06x.x1	NA	*Lamp Cover (prior to 049-8234)
A11	801,904,06x.x1	SAME	End Caps, Lamp Sleeve
B1A	626,055,20x.x3	SAME	*Sub Assembly Service Door Lamp T8 Domestic (049-8234 and higher)
B1B	626,050,80x.x3	SAME	*Sub Assembly Service Door Lamp, Domestic (prior to 049-8234)
B1C	626,031,10x.x3	SAME	Sub Assembly Lamp Service Door 13″ Export
B1D	637,051,50x.x3	SAME	Sub Assembly Service Door Lamp T8 Japan
B2A	804,700,81x.x1	SAME	*Lamp, U shaped FB016/865/XP, T8 (049-8234 and higher)
B2B	804,700,35x.x1	SAME	*Lamp, F13T8CW (prior to 049-8234)
B3A	626,050,51x.x3	SAME	*Service Door Lamp Bracket T8 (049-8234 and higher)
B3A	804,920,54x.x1	SAME	*Door Lighting Harness T8 Electronic, not shown (049-8234 and higher)
B3B	626,050,22x.x3	SAME	*Service Door Lamp Bracket (prior to 049-8234)
B4B	804,915,65x.x1	SAME	*KO Door Lighting Harness, not shown (prior to 049-8234)
B5	805,507,27x.x1	SAME	Converter, ADU018 CLX MDB-UCCS Box Japan
C1	803,870,05x.x1	SAME	*Label, T8 Lamp Replacement (049-8234 and higher)

LIGHTING

* Includes 115 to 162 - 8233
Part numbers subject to change with out notice.

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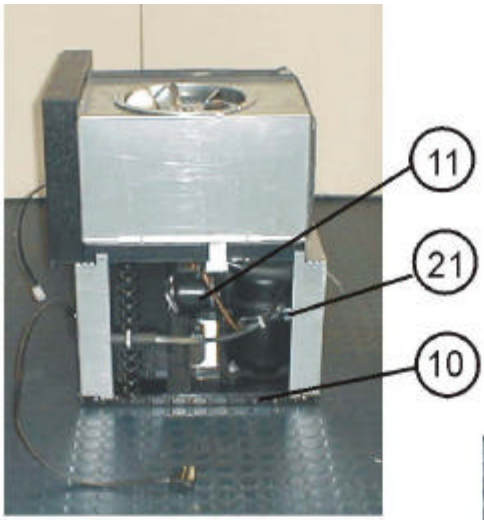
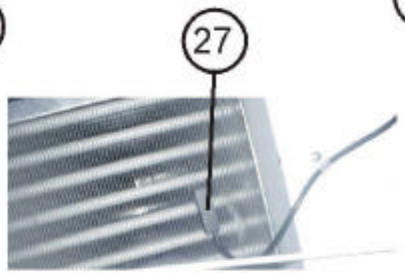
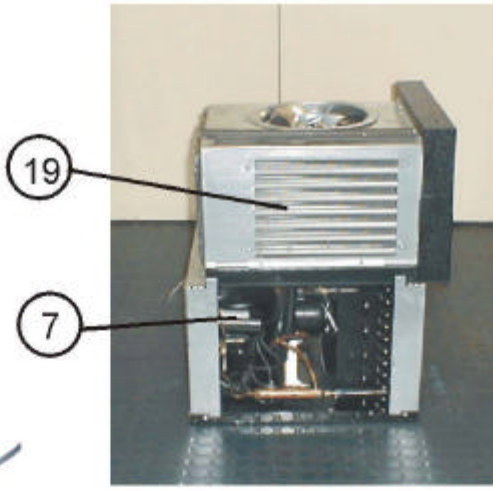
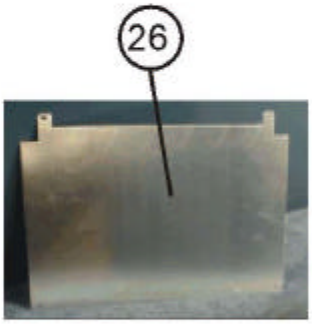
PARTS

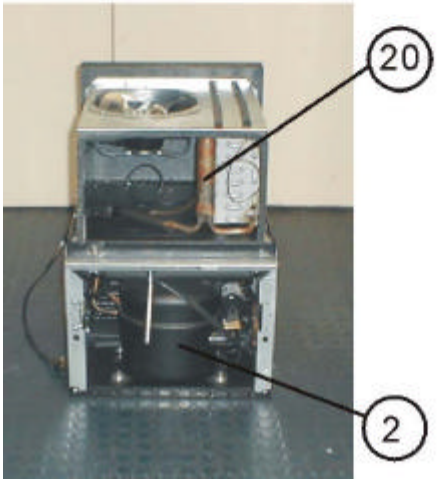
REFRIGERATION

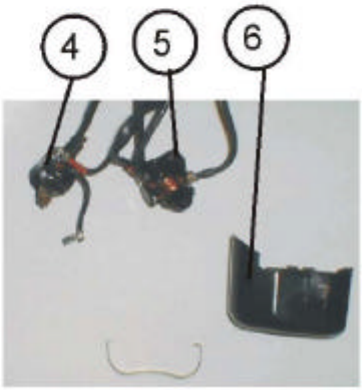


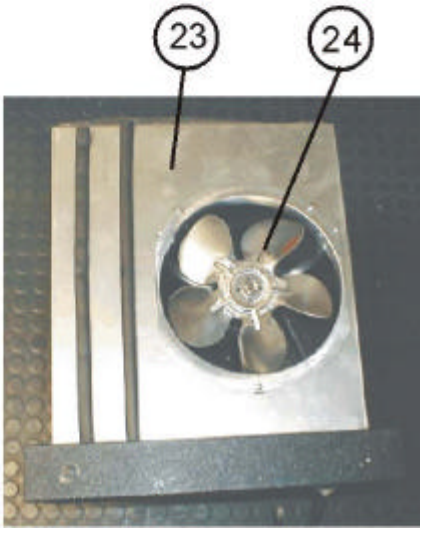












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PARTS

DN5000 & DN3000 REFRIGERATION

ITEM	PART NUMBER	PART DESCRIPTION
1	626,041,60x.x4	Domestic Kit – Refrigeration System 2000C-A 115/60
1A	626,040,00x.x3	Refrigeration System 2000C-A 115/60, Domestic/Japan
1B	626,041,00x.x3	Refrigeration System 2020C-A, Export
1C	626,041,90x.x3	Refrigeration System 2030C-A, Export Korea
2A	626,040,60x.x3	Compressor Assembly 115 / 60, Domestic/Japan
2B	626,041,30x.x3	Compressor Assembly 220-240/50, Export
2C	626,042,30x.x3	Compresso Assembly 208-230/60, Export Korea
3A	802,502,22x.x1	Compressor ″A″ T6213Z 115 / 60, Domestic/Japan
3B	802,502,25x.x1	Compressor ″A″ 220-240 / 50 T6213Z, Export
3C	802,502,30x.x1	Compressor “A” T6213Z 208-230/60, Export Korea
4A	802,502,23x.x1	Overload, T1 MST16AFN-3001, Domestic/Japan
4B	802,502,26x.x1	Overload, T1 MRP20APK-34, Export
4C	802,502,31x.x1	Overload, T1 MRT18GL 3001, Korea
5A	802,500,94x.x1	Relay, T1 9660-041-180, Domestic/Japan
5B	802,502,27x.x1	Relay, T1 9660-041-158, Export
5C	802,502,32x.x1	Relay, T1 9660-041-179 EM, Korea
6	802,502,01x.x1	Cover, Overload / Relay Tecumseh
7A	802,502,24x.x1	Capacitor Start 189227, Domestic/Japan
7B	802,502,28x.x1	Capacitor Start 88-108MFD / 250 V 50 Hz., Export
7C	802,502,33x.x1	Capacitor Start 66-77 MFD/330V50/60HZ, Korea
8	802,501,18x.x1	Capacitor End Cap Bottom Hole
9	802,501,87x.x1	Bracket Capacitor Assembly
10A	801,812,61x.x1	Drain Pan, Condensate Domestic
10B	801,813,55x.x1	Drain Pan, Condensate Export
11A	626,040,70x.x3	Assembly, Condenser Fan 16 W, 10 Inch Domestic/Japan
11B	626,041,40x.x3	Assembly, Condenser 16W 220V Export/Korea
12A	804,501,14x.x1	Condenser Fan Motor, 16W
12B	804,501,18x.x1	Condenser Fan Motor, 16W 220V
13	902,100,29x.x1	Silencer
14	801,305,67x.x1	Fan Blade, Condenser FV100CW25S
15	900,800,85x.x1	Speed Nut
16	802,600,64x.x1	Condenser
17	802,401,30x.x1	Dryer
18	902,000,57x.x1	Grommet Compressor
19	802,600,63x.x1	Evaporator
20	802,401,35x.x1	Accumulator
21A	802,800,60x.x1	Defrost Control
21B	801,902,75x.x1	Defrost Control Vinyl Tube
21C	626,020,34x.x3	Defrost Thermostat Guard
22A	626,040,80x.x3	Assembly Drain Pan, Evaporator
22B	801,814,62x.x1	Drain Pan
22C	801,806,05x.x1	Drain Tube
22D	900,301,79x.x1	Drain Tube Nut
22E	901,900,50x.x1	Drain Hose
22F	900,901,03x.x1	Drain Hose Clamp
23	626,040,04x.x3	Evaporator Fan Shroud
24A	804,501,09x.x1	Evaporator Fan Motor Assembly, Domestic/Japan
24B	804,501,11x.x1	Evaporator Fan 8” 9W, 220-230 / 50, Export
25A	801,812,63x.x1	Side Gasket, Drain Pan
25B	801,812,64x.x1	Front Gasket, Drain Pan
26	626,040,09x.x3	Refrigeration Side Brace
27	804,919,66x.x1	Encapsulated Temperature Sensor

Part numbers subject to change with out notice.

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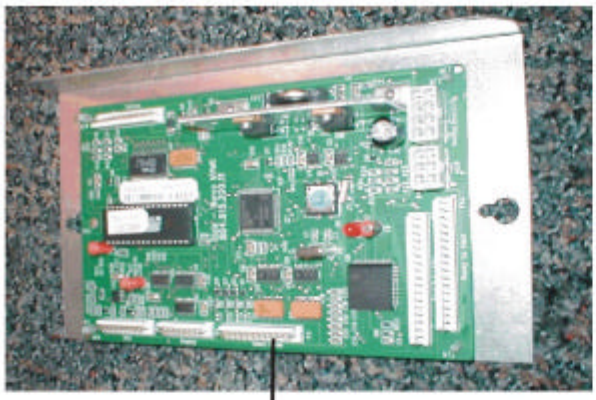
ELECTRONICS

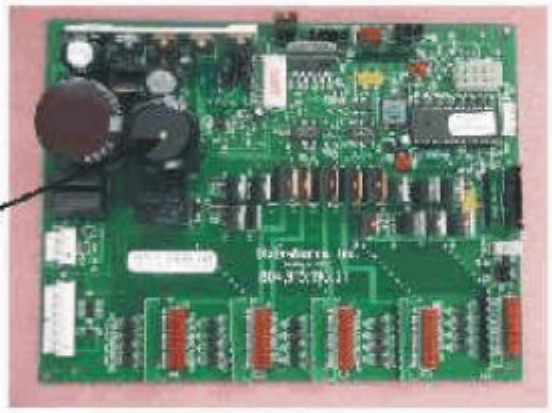


1

prior to 077-8272

1A

077-8272 and up

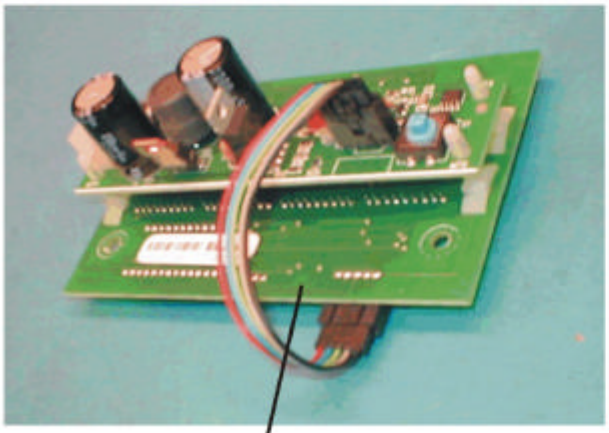


2

prior to 099-8212

2A

099-8212 and up



3B

prior to 203-8211

3A

203-8211and up

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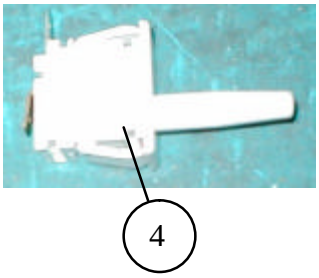
DN5000 & DN3000 ELECTRONICS

ITEM	PART NUMBER NEW	PART NUMBER REMANUFACTURED	PART DESCRIPTION
1A	626,056,30x.x4	TBD	KO Board Universal Assembly (T8) 077-8272 & up
1B	626,030,21x.x3	SAME	KO Board Mounting Plate
1C	626,050,48x.x3	SAME	KO Board Cover 077-8272 & up
	627,050,31x.x3	SAME	KO Board Cover prior to 077-8272
2A	626,032,10x.x3	TBD	Machine Board, Domestic/Japan 099-8212 & up
2B	626,032,20x.x3	TBD	Machine Board, Export
2C - 1	626,030,36x.x3	SAME	Machine Board Cover, ESD (099-8212 and higher)
2C - 2	801,904,16x.x1	SAME	Machine Board Cover, Plastic (prior to 099-8212)
2D - 1	626,030,37x.x3	SAME	Machine Controller Mounting Plate (099-8212 and higher)
2D - 2	622,050,32x.x3	SAME	Machine Controller Mounting Plate (prior to 099-8212)
2E	801,903,87x.x1	SAME	Control Board Stand Offs, Richo
3A	804,919,93x.x1	SAME	Display Assembly, ASD (203-8211 and higher)
3B	804,914,86x.x1	SAME	Display Assembly (prior to 203-8211)
4	804,100,77x.x1	SAME	Door Switch
5	804,100,99x.x1	SAME	Lower Motor Limit Switch
6	804,101,04x.x1	SAME	KO Limit Switch Magnet
7	804,101,05x.x1	SAME	Unencapsulated Magnet
8	804,915,84x.x1	SAME	24 VDC Snap In Mount Counter
9A	626,020,44x.x4	SAME	Override Switch Kit
9B	801,510,10x.x1	SAME	Override Switch
10	804,914,99x.x1	SAME	EPROM, KO Board
11	804,914,16x.x1	SAME	EPROM, Machine Board
12A	804,920,05x.x1	SAME	EPROM, Display (203-8211 and higher)
12B	804,914,97x.x1	SAME	EPROM, Display (prior to 203-8211)
13	626,050,52x.x4	SAME	MDB Electronic Interface Kit Japan
14A	637,050,60x.x3	SAME	Stabilizer Enclosure Box Assembly Japan
14B	804,400,76x.x4	SAME	Voltage Stabilizer Kit (105V) Japan
14C	804,400,73x.x1	SAME	Voltage Stabilizer Transformer (105V) Japan
14D	637,050,70x.x3	SAME	Stabilizer Enclosure Door Assembly Japan

Part numbers subject to change with out notice.



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HARNESSES

ITEM	PART NUMBER	PART DESCRIPTION	FROM / TO
1	804,913,74x.x1	Tray Harness 8 Column	Solenoids to J3, J4, J5, J6, J7 on Machine Board
	804,920,34x.x1	Tray Harness 6 Column	Solenoids to J3, J4, J5, J6, J7 on Machine Board
2A	804,920,54x.x1	*Door Lighting Hartness T8 Electronics (049-8234 and higher)	From service door light to DC door bundle assembly
2B	804,915,65x.x1	*Door Lighting Harness (prior to 049-8234)	From service door light to DC door bundle assembly
3	804,915,81x.x1	Conveyor Harness	Elevator E-Chain harness
4	804,915,69x.x1	Relay Control Harness	Lights, Fan, Compressor to P5 on Machine board
5	804,919,66x.x1	Encapsulated Temperature Sensor (factory installed beginning 001-8152)	From Machine Board to Evaporator
6	804,915,64x.x1	Discharge Door Switch Harness	Discharge door to J10 on Machine board
7	804,915,76x.x1	Machine Options Harness	Counter / Override / Door Switch to P7 on KO Board
8	804,915,62x.x1	Board to Board Communication Harness	J1 on Machine Board to J14 on KO board
9A	804,920,63x.x1	*Main Power Harness T8 Electronic (049-8234 and higher)	9 pin plug on AC box to lights, temperature control, and P5 on machine board
9B	804,915,59x.x1	*Main Power Harness (prior to 049-8234)	9 pin plug on AC box to lights, temperature control, and P5 on machine board
9C - 1	804,913,77x.x1	Main Power Cord	
9C - 2	804,920,70x.x1	Power Adapter Japan	
10	804,915,72x.x1	Override Switch Harness	Service Option to KO machine option harness
11A	804,920,53x.x1	*Cabinet Lighting Harness T8 Electronic (049-8234)	
11B	804,915,67x.x1	*Cabinet Lighting Harness (prior to 049-8234)	Cabinet light to DC door bundle assy.
12	804,915,89x.x1	DC Door Bundle Assy.	Display, MDB peripheral, DEX to P9, P3, and P1 on KO board
13	804,915,91x.x1	DC Main Bundle Assy.	Conveyor, Elevator, Kill / Limit Switch, to J2, J8, and J9 on Machine Board
14A	804,916,24x.x1	Secondary KO DEX Harness	KO board to port
14B	800,801,29x.x1	Nut, DEX harness	Nut to secure DEX harness in port.
15A	626,020,44x.x4	Override Switch Kit	
15B	801,510,10x.x1	Override Switch / Lockout	
15C	804,915,72x.x1	CGFV Override Harness	
15D	901,512,11x.x1	Key	
16	804,914,74x.x1	Internal / External KO DEX Harness	
17	804,920,71x.x1	Voltage Stabilizer Harness Japan	
18A	804,920,41x.x1	Choke	
18B	804,920,49x.x1	Choke Output Harness	
18C	804,920,84x.x1	Choke Input (AC Power) Harness	
19	804,920,72x.x1	ADU Power Harness Japan	

* Include 115 to 162 - 8233

Part numbers subject to change with out notice.

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LABELS / DECALS / MISC.

	CGF (Coke Glass Front)	DGF (Dasani Glass Front)	
ITEM	**PART NUMBER**	**PART NUMBER**	**PART DESCRIPTION**
1	803,859,74x.x1		Bottom Glass Door Decal
2	803,859,72x.x1	803,866,39x.x1	Top Glass Decal
3	803,859,71x.x1	803,866,43x.x1	Cabinet, Side Decal
4	803,857,26x.x1		Selection Label
5	803,856,15x.x1		Asset / Property Tag Coca-Cola Company
6	803,868,29x.x1		Warning: DO NOT TILT Label, Tri Lingual
7	803,859,73x.x1	803,866,42x.x1	Conveyor Decal
8	803,853,21x.x1		AC Distribution Box Fuse Label (2 Amp – 10 Amp)
9	803,853,22x.x1		AC Distribution Box Power Disconnect Label
10	803,860,61x.x1		Quick Reference Program Label
11	803,853,25x.x1		Validator / Changer Label
12	803,858,37x.x1	803,866,41x.x1	Port Panel Decal
13	803,870,05x.x1		T8 Lamp Replacement Label (049-8234 and higher)
14	803,857,26x.x1		Selection Label Sheet (white with black letters – column #'s)
15	803,903,03x.x1		Manual, Technical
16	803,902,99x.x1		Quick Reference Laminated Card
17	803,903,02x.x1		Price Setting Programming Reference Guide
18	W485-2 thru 13		Price Sheets
19	803,903,04x.x1		Literature Package (includes items #5, 10, 15, 16, 17, and 18)
20	803,861,31x.x1		Package Setup Label
21A	803,862,37x.x1		Coke Flavor Card Sheet 1
21B	803,862,38x.x1		Coke Flavor Card Sheet 2
22A	803,862,41x.x1		Generic Flavor Card Sheet 1
22B	803,862,42x.x1		Generic Flavor Card Sheet 2
23	803,903,09x.x1		DN 5000 Foot Print
24A	803,903,15x.x1		Do's and Don'ts CD
24B	803,903,14x.x1		Programming CD
24C	803,903,13x.x1		Technical Information CD
25	626,010,50x.x4		Spare Parts Start Up Kit
26	803,863,62x.x1		Tag, Caution – DO NOT MOVE ELEVATOR
27	803,863,01x.x1		Label, Caution – DO NOT MOVE ELEVATOR
28	803,862,82x.x1		Label, Encoder ″Do Not Remove Cover ″
29	803,863,03x.x1		Label, Sec Ang Removal English CGF
30	803,862,78x.x1		Label, Validaotr Filler
31	626,020,40x.x4		Kit, Griffin Card Reader
32	803,868,24x.x1		Label, Fuse Cvr Mtr Svc
33	803,862,54x.x1		ON/OFF Rocker Switch Label
34	803,853,24x.x1		DO NOT DOUBLE STACK Label
35	803,863,41x.x1		Quality Assurance Label
36	803,861,13x.x1		Maytag Commercial Label
37	803,862,76x.x1		CGFV Wiring Diagram
38	626,052,10x.x4		DN5000 Upgrade Kit (Venders prior to 001-8100)
39	803,870,05x.x1		T8 Flur. Lamp Replacement Lamp Label (049-8234 & higher)

Part numbers subject to change with out notice.

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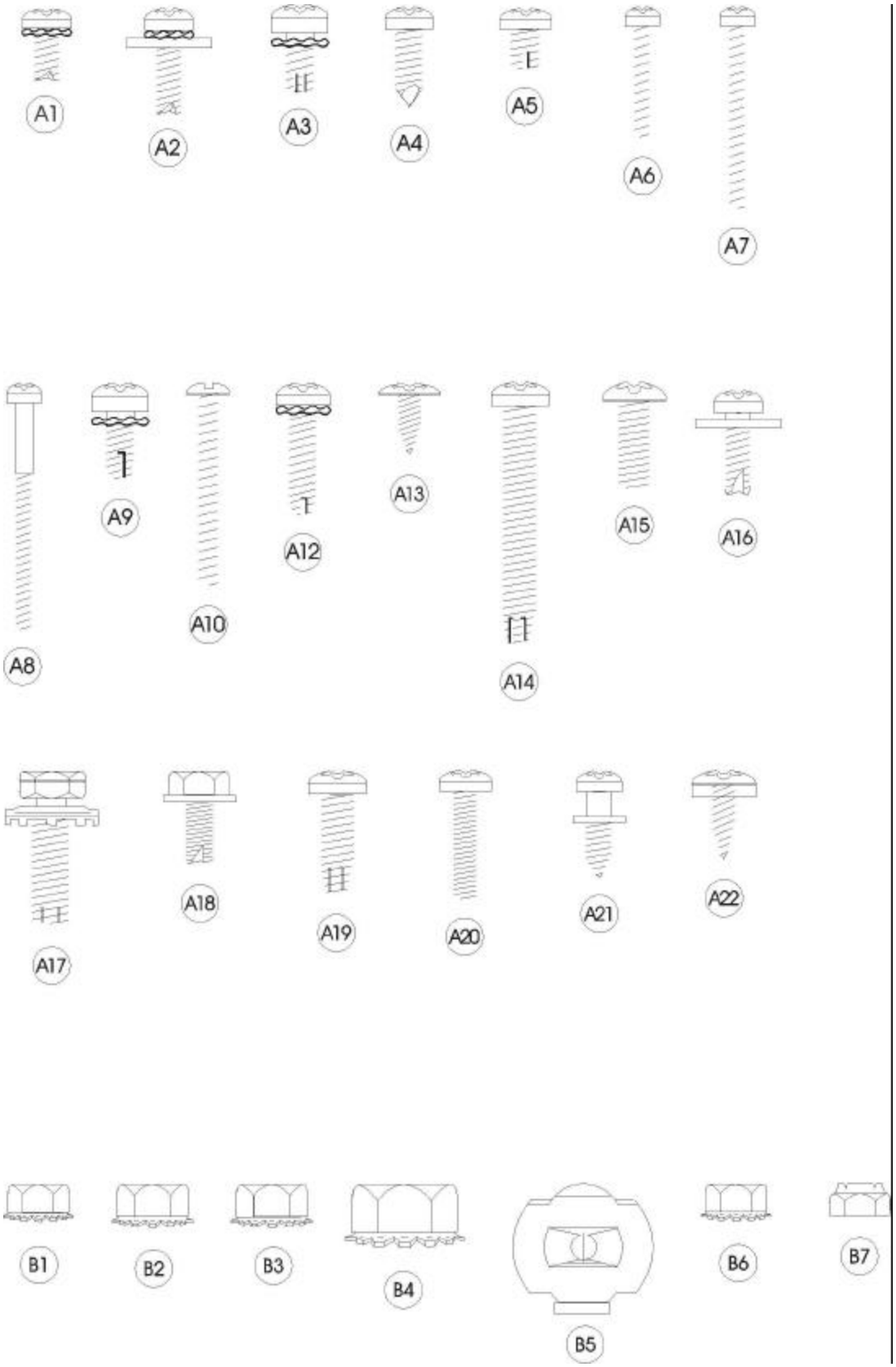
PARTS

SCREWS AND NUTS



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PARTS

SCREWS & NUTS

ITEM	PART NUMBER	PART DESCRIPTION
A1	900,301,70x.x1	Screw, Phil Pan Swage Form #6-32x3/8″
A2	900,301,64x.x1	Screw, Phil Pan Swage Form w/ Washer #8-32x1/2″
A3	900,301,83x.x1	Screw, Phil Pan Swage Form #10-32x5/16″
A4	900,301,50x.x1	Screw, Phil Pan without Washer, #8-18x1/2″
A5	900,301,97x.x1	Screw, Phil Pan Swage Form #8-32x1/4″
A6	900,300,47x.x1	Screw, Vend Motor, #4-24x3/4″ Single Switch
A7	900,301,82x.x1	Screw, Vend Motor, #4-24x1-16 ″ Double Switch
A8	900,301,61x.x1	Screw, Vend Motor #4-24x1-1/2″ Triple Switch
A9	900,301,56x.x1	Screw, Phil Pan Cutting #8-32x3/8 ″
A10	900,201,31x.x1	Screw, Machine, #6-32x1-1/4 ″
A11	900,301,97x.x1	Screw, Phil Pan Sems #8-32x1/4″
A12	900,301,85x.x1	Screw, Phil Pan Thread Form #8-32x5/8″
A13	900,300,16x.x1	Screw, Phil Head Truss #6x3/8″
A14	900,301,81x.x1	Screw, Phil Pan Form #10-32x1-1/4″
A15	900,201,14x.x1	Screw, Machine Truss, #10-32x1/2″
A16	900,301.65x.x1	Screw, Phil Pan Sems with Washer, #8-18x1/2″
A17	900,302,01x.x1	Screw, Self Tapping, 1/4″-20x5/8″
A18	900,301,69x.x1	Screw, Hex Head Swage Form #8-36x3/8″
A19	900,901,51x.x1	Screw, Phil Pan Tapping #10-23x5/8″
A20	900,201,22x.x1	Screw, Machine Phil Pan #8-32x3/4″
A21	900,301,98x.x1	Screw, Phil Pan Shoulder #8-18x1/2″
A22	900,301,84x.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	900,301,73x.x1	Screw, Tap ½-20x1″ Type F
A26	800,303,15x.x1	Screw, Phil Pan #8-18x3/4″
A27	800,303,18x.x1	Screw, Truss Type 23 #8-32x1/2
A28	900,301,94x.x1	Screw, Phil Flat 23B #10-32x1/2″
A29	900,201,44x.x1	Screw, Machine Brass #6-32x1/4″
A30	900,301,99x.x1	Screw, Plastic 8-hi/low x 1-1/4
A31	900,301,55x.x1	Screw, Phil Pan Swage Form #8-32x1/2 Screw
A32	900,303,08x.x1	Screw, Hex Washer Type 1 #8-32x3/8″
A34	800,303,22x.x1	Screw, Phil Pan #6-20x3/8
A35	900,302,02x.x1	Screw, Self Tapping #8-18x3/4
A36	900,201,86x.x1	Screw, Phil Pan Head #6-32x1/4″
A37	900,301,91x.x1	Screw, Hex Wash #8-18x1/2″
A38	900,201,87x.x1	Screw, Phil Truss #10-32x3/8
A39	W796	Screw, Taper Tite #8-18x3/8″
A40	W948	Screw, Hex Head #10-16x50″
A41	800,303,21x.x1	Screw, Phil Pan Sems #8-18x1/2
A42	800,303,34x.x1	Screw, Phil Pan 8-Hilox 1/2
A43	D334	Screw, Hex Washer 4-24x3/4
A44	W851	Screw, Pan Head
A45	900,301,70x.x1	Screw, Phil Pan #6-32x3/8
A46	800,902,62x.x1	Screw, Shoulder
B1	900,800,65x.x1	Hex Nut, #10-32
B2	900,800,67x.x1	Hex Nut, 1/4-20
B3	900,800,50x.x1	Hex Nut, #8-32
B4	900,800,69x.x1	Hex Nut, Top Door Hinge, 3/8-16
B5	900,800,85x.x1	Speed Nut

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SCREWS & NUTS (Continued)

ITEM	PART NUMBER	PART DESCRIPTION
B6	900,800,49x.x1	Hex Nut, #6-32
B7	900,800,51x.x1	Elastic Stop Nut, #8-32
B8	900,800,81x.x1	Hex Nut, 8-32
B9	900,902,37x.x1	Push Nut, Acorn Type
B10	900,801,02x.x1	Hex Nut, 5/16-18
B11	800,801,13x.x1	Nut, Self Clinching 5/16-18
B12	800,303,38x.x1	SCREW,8-18x1/2 (Bottom Skirt)

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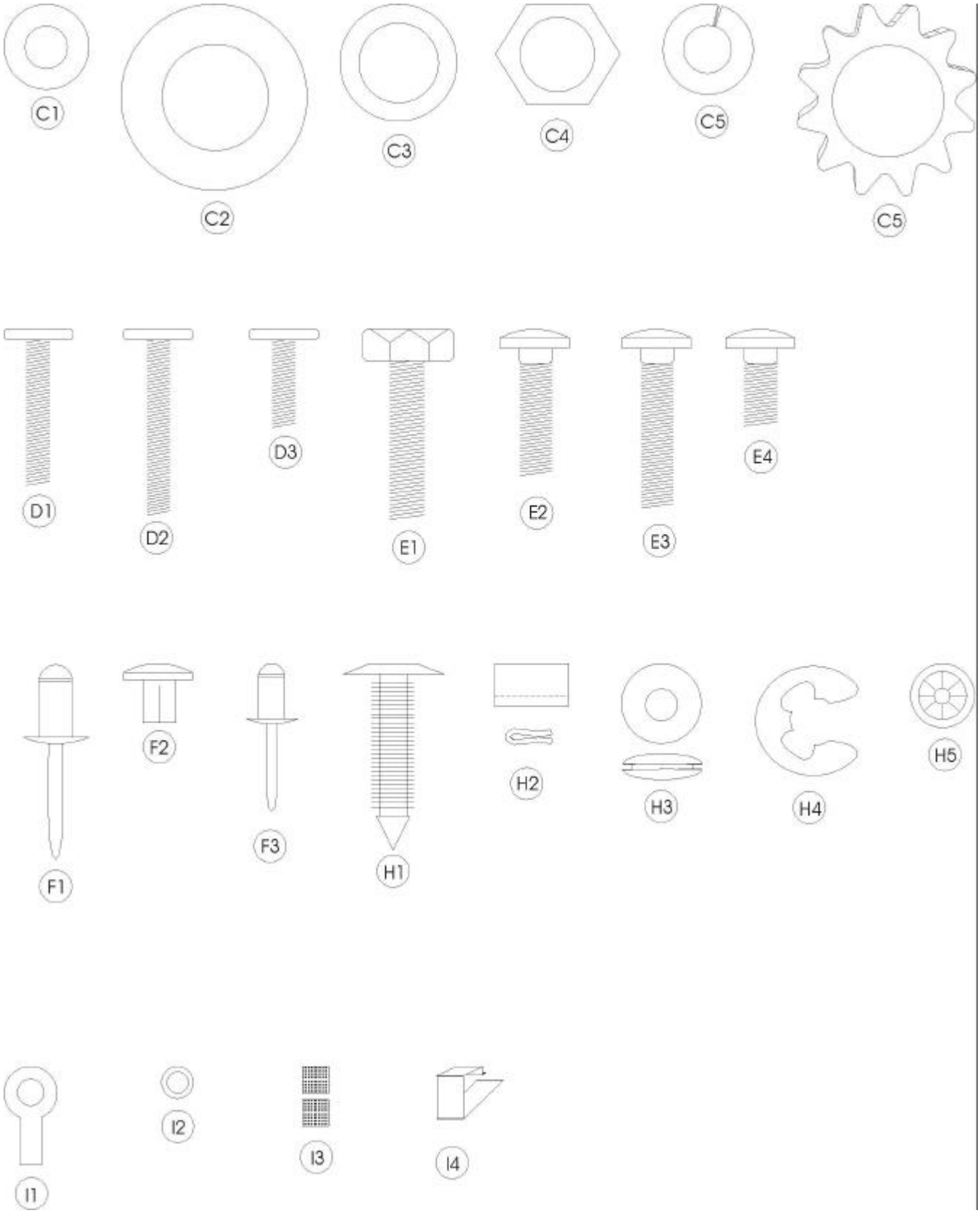
PARTS

WASHERS / BOLTS / MISC HARDWARE



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WASHERS , BOLTS, AND MISC. HARDWARE

ITEM	PART NUMBER	PART DESCRIPTION
C1	900,700,60x.x1	Washer, Delrin .047 Thick 3/8″ ID x 5/8 OD
C2	901,303,77x.x1	Washer, Door Hinge
C3	901,503,06x.1	Washer, Flat #2949 (T-Handle)
C4	901,503,08x.x1	Washer, Hex #29.34 (T-Handle)
C5	900,700,36x.x1	Lockwasher, Split 3/8″
C6	900,700,89x.x1	Lockwasher, Shakeproof 5/8″ (1132-00-00-0551)
C7	900,700,02x.x1	Steel Washer, 18 Gauge (1/2″ x 3/16″)
C8	900,700,62x.x1	Washer, Shakeproof (4610-16-01-0551)
C10	900,700,83x.x1	Washer, Flat 18 Gauge (17/64″ ID x 58″ OD)
C11	900,700,08x.x1	Washer, Flat 14 Gauge (5/16″-3/8″)
C12	801,902,48x.x1	Nylon Spacer
C13	W884	Washer, Lock
C14	W398	Washer, Fender .125 ID
C15	W218	Washer, Solenoid Retainer
C16	801,518,03x.x1	Washer, Tooth Lock 1/2″
C17	W861	Washer, Flat .265″ ID x .50″ OD
C18	900,701,15x.x1	Washer, 11/64″ ID x 11/32″ OD
	900,701,05x.x1	Washer, Flat .343″ ID x .688″ OD .6T
D1	900,400,43x.x1	T-Bolt, #8-32x1″ (obsolete)
D2	900,400,41x.x1	T-Bolt, #8-32x1-3/8″
D3	900,400,35x.x1	T-Bolt, #8-32x3/4″
D4	900,400,45x.x1	T-Bolt, #8-32x1/2″
E1	900,400,44x.x1	Refrigeration Bolt, 3/8-16x1″
E2	900,201,17x.x1	Carriage Bolt, 1/4-20x1″
E3	900,201,23x.x1	Carriage Bolt, 1/4-20x1-1/4″
E4	900,201,45x.x1	Carriage Bolt, 1/4-20x1/2″
E5	900,201,54x.x1	Carriage Bolt, 1/4-20x3/8″
E6	900,201,56x.x1	Carriage Bolt, 1/4-20x3/4″
E7	900,303,12x.x1	Carriage Bolt, 1/4-20x5/8″ (obsolete)
E8	900,201,85x.x1	Carriage Bolt, 5/16x18x1-14″ Top Hinge (drop in)
E9	800,303,19x.x1	Carriage Bolt, 1/4-20x5/8″
E10	900,202,04x.x1	Carriage Bolt, 1/4-20x1/2″ (red)
E11	W766	Carriage Bolt, 1/4-20
F1	901,100,43x.x1	Pop Rivet, Aluminum 1/4″
F2	901,100,44x.x1	Drive Rivet, #38-108-06-13 1/4″
F4	901,100,54x.x1	Pop Rivet, Black 1/8″
F5	901,100,61x.x1	Pop Rivet, Steel (zinc plated) 1/8″
F6	901,100,53x.x1	Pop Rivet, Aluminum 1/8″
F7	901,100,60x.x1	Pop Rivet, Steel (zinc plated) 3/16″
F8	801,100,67x.x1	Pop Rivet, Aluminum Black 1/8″
F9	801,100,65x.x1	Pop Rivet, Aluminum White 1/8″

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WASHERS , BOLTS, AND MISC. HARDWARE (continued)

ITEM	PART NUMBER	PART DESCRIPTION
H1	900,902,13x.x1	Christmas Tree Clip #354280307-00
H2	900,901,89x.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	901,806,77xx.1	Grommet, Admiral #B53351
H9	902,100,29x.x1	Silencer
H10	801,903,80x.x1	Standoff (Machine Controller)
H11	901,502,53x.x1	Shipping Spring Clip
H12	801,903,87x.x1	2nd Standoff
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 Clamp
I5	901,901,89x.x1	Clamp, Cable 1″ I6Heyco 3390
I6	900,901,79x.x1	Clamp, Nylon 5/16″ Black Heyco 3355 or Dennison 10159
I7	900,901,80x.x1	Clamp, Nylon 1/2″ Heyco 3328
I8	901,901,06x.x1	Hand Tie, 5.5”
I9	901,902,01x.x1	Wire Tie, 7-1/2″
I10	901,901,00x.x1	Wire Ties, 4″
I11	901,900,55x.x1	Clamp, Nylon 3/4″ Heyco 3382BL
I12	901,902,83x.x1	Cable Tie, 5.5″
I13	900,902,14x.x1	Canoe Clip #254-090-301-00-0108
I14	W904	Hex Bolt, 1/4-20x1
I15	W844	Cable Tie
I16	D588	Flat Cable Mount

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