

Confectionary Vender DN-700CV



Installation Setup Programming Guide

Manufactured by

Dixie-Narco 

Dixie-Narco, Inc.
P.O. Drawer 719
Williston, SC 29853-0719
800-688-9090
803-266-5001
fax: 803-266-5049
Visit us on the web: www.dixienarco.com

Revised 5/31/00
803,902,610.51

Table of Contents

General Information.....	3
Introduction.....	3
Product Identification.....	3
Model & Detail.....	3
Installation & Setup.....	4-5
Receiving Inspection.....	4
Unpacking the Vender.....	4
Electrical Requirements.....	4
Ground the Vender.....	4
Placing the Vender on Location.....	5
Level the Vender.....	5
Space the Vender.....	5
Installing Product Cards.....	5
Product Pusher.....	5
Vender Maintenance.....	6
Temperature Control Adjustments.....	6
Lubricating the Vender.....	6
Cleaning the Vender.....	6
Sign Face.....	6
Cabinet.....	6
Refrigeration Condenser.....	6
Coin Acceptor / Bill Acceptor.....	6
Vender Loading.....	7 - 8
Initial Loading.....	7
Hershey®'s Sales Center Product Layout.....	8
Hershey®'s Sales Center Default Program.....	8
Dixie-Narco's Default Program.....	8
Programming.....	9- 16
Menu Prompts – Quick Reference.....	16

GENERAL INFORMATION

Introduction

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 component. 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.

Model and Detail

DN-700CV
Height: 72"
Width: 37"
Depth: 35"
Shipping Weight: 922 Lbs.



Repairs and/or servicing attempted by uninformed persons can result in hazards developing due to improper assembly or adjustments while performing such repairs. Persons not having the proper background may subject themselves to the risk of injury or electrical shock which can be serious or even fatal.

Product Identification

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

The vender serial number takes the form xxxx-yyyzz. The first four digits (xxxx) identify the specific vender. The next four 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

INSTALLATION & SETUP

Receiving Inspection

Upon receipt, inspect the vender for any shipping damage. If there is any damage, have the driver note the damage on the Bill of Lading and notify Dixie-Narco. Although the terms of the vender sale require that the consignee originate shipping damage claims, Dixie-Narco will gladly help if you must file a claim.

Unpacking the Vender

Remove the stretch wrap and top cover from the vender. If product cards were shipped with the vender, they will be in an envelope in the cash box.



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. Remove the shipping boards by unscrewing the leveling legs. This will avoid unnecessary damage to the leveling legs or the base. A 1½" "socket type" wrench should be used on the bottom of the leveling legs. Be sure to replace the legs after removing the shipping boards.

To open the vender, locate the door lock keys which are secured inside the coin return cup. After unlocking the door, rotate the T-handle counterclockwise until the door can be opened. Once inside, check the coin box and stack for any additional parts, pricing labels or information concerning factory-equipped accessories. Check the T-handle for proper alignment and locking functions. Check the lamps for proper installation.



ENSURE THAT POWER IS DISCONNECTED FROM THE VENDER OR THAT THE POWER INTERRUPT SWITCH (IF PROVIDED) IS NOT DEFEATED BEFORE INSPECTING OR REPLACING THE LAMPS. FAILURE TO COMPLY WITH THESE INSTRUCTIONS MAY SUBJECT THE USER TO THE RISK OF INJURY OR ELECTRICAL SHOCK, WHICH CAN BE SERIOUS OR FATAL.

Electric Power Requirements

Refer to the vender serial number plate to determine the proper voltage and frequency the machine requires (domestically this requirement is 115 Volts, 60 Hertz). Domestic venders will operate properly at +/-10% of the specified voltage. For domestic models this is between 103 Volts and 127 Volts. Single phase, alternating current is required. The vender must be plugged in its own properly rated circuit 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 in a properly grounded outlet. If the outlet will not accept the power cord plug, contact an electrician to install a proper AC outlet.



DO NOT REMOVE THE GROUND PIN OR IN ANY WAY BYPASS THE GROUNDING OF THE VENDER.

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

INSTALLATION & SETUP

Placing the Vender on Location



CAUTION

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

The vender must be located on a solid, flat, and level surface. The vender must be positioned close enough to an electrical outlet that an extension cord is not required. If securing the vender to the floor or wall is required, call the Dixie-Narco Factory Service Department or your Dixie-Narco Representative for suggestions.

Level the Vender

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

Make sure that all of 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.



DANGER

THE VENDER MUST BE PROPERLY LOCATED AND LEVELED TO MINIMIZE THE RISK OF INJURY OR DEATH FROM TIPPING IN THE EVENT OF USER MISUSE OR VANDALISM.

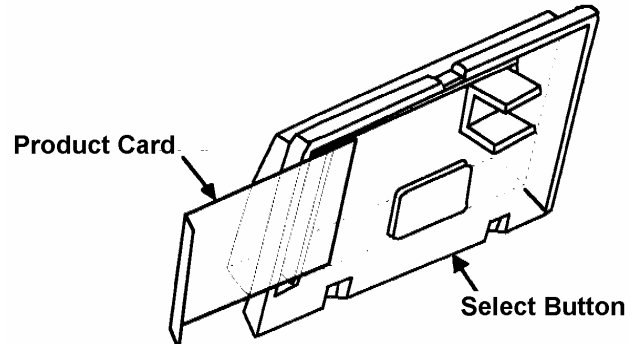
Space the Vender

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

Installing Product Cards

The product cards are inserted in the select buttons as follows:

1. Swing the coin changer mounting plate away from the outer door, exposing the back of the select buttons.
2. The product cards are inserted in the back of the select buttons from either side. Ensure the product cards are placed in the select buttons that correspond to the column in which the product is loaded.



Product Pusher

The product pushers are shipped in the cash box. Product pushers are used on columns which the package will not fall from the helix when the vend cycle is completed. Only use the product pusher on columns that require it. The product pusher snaps on the helix at the end of the helix when it is in the home position.

See figure 1, page 6.

VENDER MAINTENANCE

Temperature Control Adjustments

Adjustment #1 - Temperature Adjustment

Turn the adjustment clockwise for colder product and counterclockwise for warmer product. This will change the cut-out temperature only, the cut-in temperature remains constant.

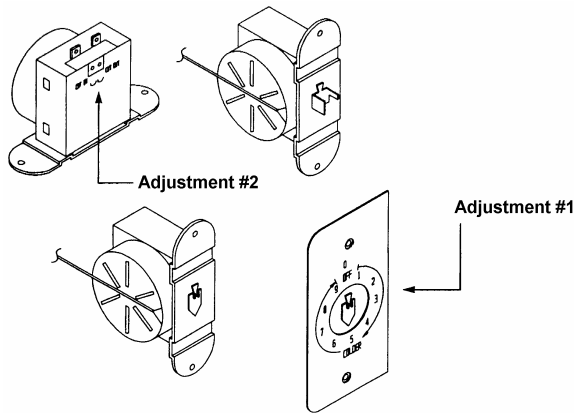
Adjustment #2 - Altitude Adjustment



WARNING
DISCONNECT POWER TO THE VENDING MACHINE BEFORE PROCEEDING WITH THIS ADJUSTMENT.

The control is factory set for an altitude of 152 M (500 ft.). For higher altitudes, adjust the inside range screws as follows.

ALTITUDE		CUTLER-HAMMER 9531N272
Meters	Feet	Turn Both Screws Counter Clockwise
610	2,000	1/8 Turn
1219	4,000	1/4 Turn
1829	6,000	1/2 Turn
2438	8,000	5/8 Turn



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.

TIME	COMPONENT	LUBRICANT EXAMPLE
Every 6 Months (or as needed)	Main Door 1. Lock Bolt & Nut Retainer 2. Hinge Pivot Points	Mechanics Friend
	Inner Door 1. Hinge Pivot Points	Mechanics Friend
Every Year (or as needed)	Inner Door 1. Door Gasket	Petroleum Jelly

Cleaning the Vender



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

WHAT TO CLEAN

SIGN FACE

The polycarbonate sign face requires proper cleaning to prolong its service life. It is recommended that you periodically clean the sign face as follows:

1. Rinse the sign with a soft cloth or sponge soaked in warm water.
2. If necessary use a mild soap to loosen any dirt or grime. To prevent damage, DO NOT SCRUB or use a brush or squeegee, as some signs have a clear ultraviolet resistant coating to prevent yellowing.
3. Repeat the above steps as necessary, then dry using a soft cloth to prevent spotting.

CABINET

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



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

REFRIGERATION CONDENSER

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

COIN ACCEPTOR / BILL ACCEPTOR

Follow the Coin Acceptor / Bill Acceptor Manufacturer's instructions.

VENDER LOADING

Initial Loading

The end of the 15 count helix locates approximately at the 5 o'clock position and the 11 count helix locates approximately at the 7 o'clock position to ensure proper vending. See figures 2 and 3.

IMPORTANT

THE TOP FOUR TRAY ASSEMBLIES WILL TILT DOWN TO EASE LOADING. THE BOTTOM TRAY DOES NOT TILT. WHEN LOADING, PULL THE TRAY ASSEMBLY ALL THE WAY FORWARD.

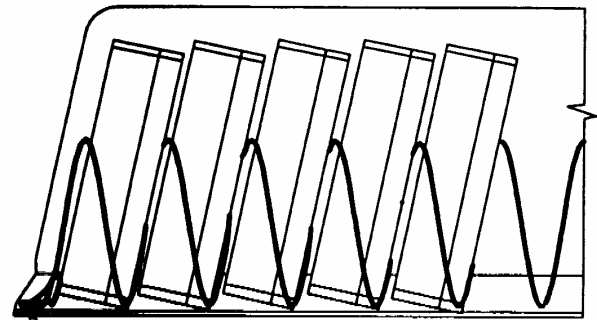
Load the packages from the front to the back. Correct loading will prevent service calls and ensure proper vending.

Note: Some thicker bars may need to use the 11 count helix.

Note: It is important to adjust the spacer bar assembly to ensure proper vending of bars. Also, bar packages should fit loosely in the helix. Candy bars that fit tightly in the 15 count helix should be vended from the 11 count helix.

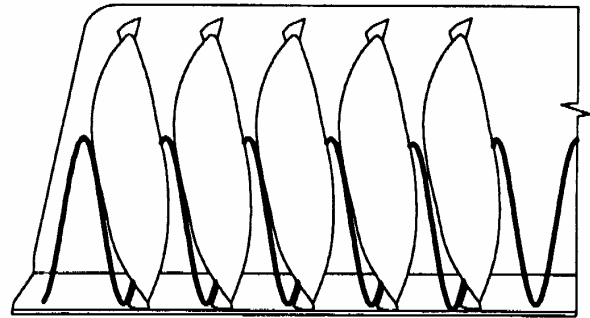
After loading a vender for the first time, test vend each selection with money until the first product is delivered. This will ensure the vender is loaded and working properly.

Note: To ensure proper airflow through the evaporator, do not place product (or other foreign objects) in the bottom of the tank.

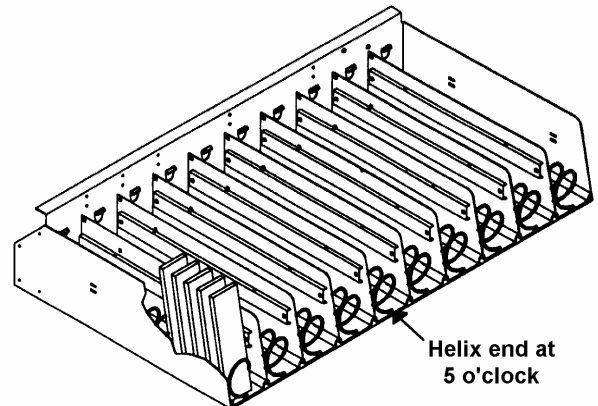


Product Pusher

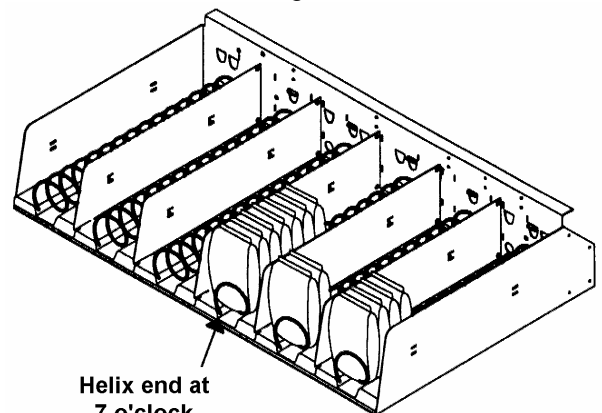
Correct Loading for Bars
Figure 1A



Correct Loading for Bags
Figure 1B



Bag Tray Assembly
Figure 2



Helix end at
7 o'clock

Bar Tray Assembly
Figure 3

VENDER LOADING

Hershey's Sales Center Product Layout

1 Kisses Value-Vend Bag 11 Count		2 Kisses Value-Vend Bag 11 Count		3 Kisses Value-Vend Bag 11 Count		4 Kisses Value-Vend Bag 11 Count		5 Reese's Miniatures Value Vend Bag 11 Count		6 Reese's Miniatures Value Vend Bag 11 Count	
11 Reese's Miniatures Value Vend Bag 11 Count		12 Reese's Miniatures Value Vend Bag 11 Count		13 Assorted Miniatures Value-Vend Bag 11 Count		14 Assorted Miniatures Value-Vend Bag 11 Count		15 Assorted Miniatures Value Vend Bag 11 Count		16 Assorted Miniatures Value Vend Bag 11 Count	
21 Reese's PB Cup Bar 15 Count	22 Reese's PB Cup Bar 15 Count	23 Reese's PB Cup Bar 15 Count	24 Reese's PB Cup Bar 15 Count	25 Reese's PB Cup Bar 15 Count	26 Hershey's Almond Bar [PP] 15 Count	27 Hershey's Almond Bar [PP] 15 Count	28 Hershey's Almond Bar [PP] 15 Count	29 Hershey's Almond Bar [PP] 15 Count	30 Hershey's Almond Bar [PP] 15 Count		
31 Kit Kat Bar [PP] 15 Count	32 Kit Kat Bar [PP] 15 Count	33 Kit Kat Bar [PP] 15 Count	34 Kit Kat Bar [PP] 15 Count	35 Almond Joy Bar 15 Count	36 Almond Joy Bar 15 Count	37 Almond Joy Bar 15 Count	38 Almond Joy Bar 15 Count	39 Twizzler Bar [PP] 15 Count	40 Twizzler Bar [PP] 15 Count		
41 Reece Sticks Bar 15 Count	42 Reece Sticks Bar 15 Count	43 Reece Sticks Bar 15 Count	44 Reece Sticks Bar 15 Count	45 Payday Bar 11 Count	46 Payday Bar 11 Count	47 Payday Bar 11 Count	48 Payday Bar 11 Count	49 Twizzler Bar [PP] 15 Count	50 Twizzler Bar [PP] 15 Count		

*Note: A product pusher should be used on items designated with [PP] to ensure proper delivery.

Hershey's Sales Center Default Program

Selection #	Product	Column #
1	Reese's Peanut Butter Cup	21, 22, 23, 24, 25
2	Hershey's Almond	26, 27, 28, 29, 30
3	Kit Kat	31, 32, 33, 34
4	Almond Joy	35, 36, 37, 38
5	ReeceSticks	41, 42, 43, 44
6	Payday	45, 46, 47, 48
7	Twizzler	39, 40, 49, 50
8	Kisses Value-Vend Bag	1, 2, 3, 4
9	Assorted Miniatures Value-Vend Bag	13, 14, 15, 16
10	Reese's Miniature Value-Vend Bag	5, 6, 11, 12

Dixie-Narco's Default Program

Selection #	Product	Column #
1		1, 2, 3
2		4, 5, 6
3		11, 12, 13
4		14, 15, 16
5		21, 22, 23, 24, 25
6		26, 27, 28, 29, 30
7		31, 32, 33, 34, 35
8		36, 37, 38, 39, 40
9		40, 42, 43, 44, 45
10		46, 47, 48, 49, 50

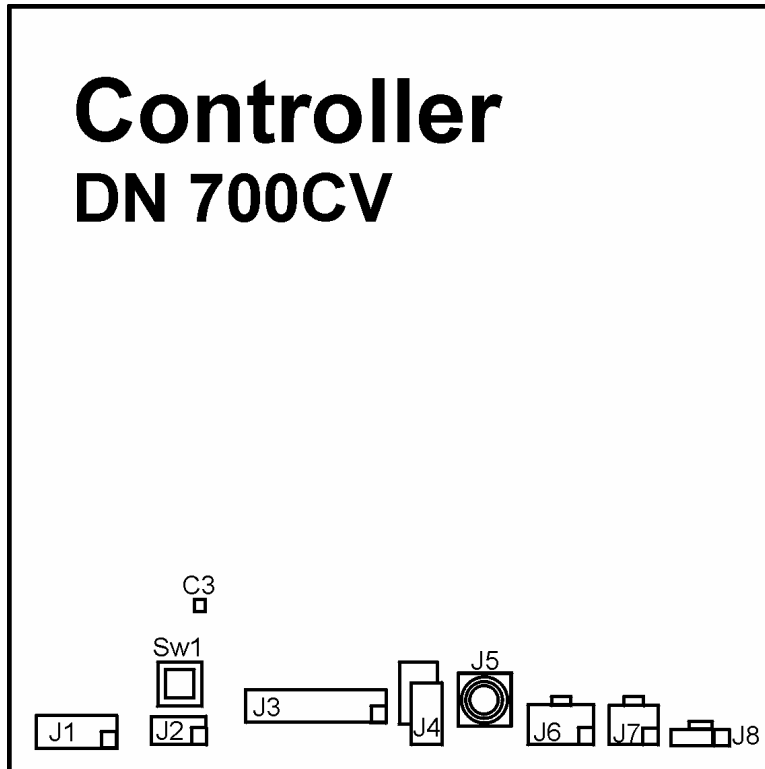
PROGRAMMING

DN-700CV Controller Programming

To program the DN-700CV vender, it is necessary to enter the System Set-Up/Audit/Diagnostics Mode. Open the inner door and press the Service Switch on the control board. The display reads "Hd". If the display reads 1.00 the door switch did not go to its center position or the switch is defective.

Note: The door switch has three positions. Fully in and fully out puts the vender in its normal mode. When the switch is in its center position the System Set-Up/Audit/Diagnostics Mode may be entered.

There is a time out for the Service Mode. If no accounting or set-up functions are used for 2 minutes, the vender will return to its normal mode. After time out, the service switch on the control board has to be pressed to re-enter the System Set-Up/Audit Mode.



- J1 = Select Panel / Door Switch
- J2 = Vend Sensor
- J3 = Vend Motors
- J4 = Options (not used)
- J5 = Dex, Phono Jack
- J6 = Coin Mech, MDB
- J7 = Display
- J8 = Transformer
- SW1 = Service Switch

PROGRAMMING

DN-700CV Controller Programming

The controller has two modes of operation:
NORMAL AND SYSTEM AUDIT/SET-UP/DIAGNOSTICS.

NORMAL MODE

In normal mode, the display will show a decimal point. When money is inserted, the display indicates the total amount of the deposit. The select buttons are used to select the product.

AUDIT/SET-UP/DIAGNOSTICS MODE

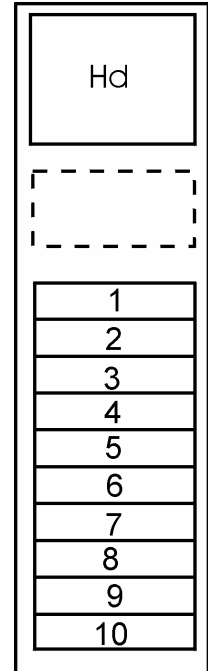
The audit/set-up/diagnostics mode is entered when the vender inner door is open and the service mode switch on the control board is pressed. (Note: The door switch actuator must be in the center position.) The display will show a list of error codes that have occurred since the door was last opened. "JC-#" is a jammed column, "SS-#" is a select switch problem, and "EN-#" is an enable error (control board failure.) To acknowledge an error, press any select button, at this time you will enter the menu. The display will show "HD". Some of the menu items have sub-menus. To move through the menus and sub-menus follow these instructions.

To move through the menu: Press select buttons 1 and 2 simultaneously to scroll down through the menu. While scrolling down through the menu, release, then push select button 1 and 2 simultaneously to scroll up through menu.

To enter a sub-menu: Press and hold select button 1 to enter a sub-menu.

To exit a sub-menu: With "RTN" on the display, press and hold select button 1 to exit.

To exit the system: Close the inner door or wait for a two minute inactivity time-out.



AUDIT/SET-UP/DIAGNOSTICS SYSTEM FRONT PANEL PROGRAMMING MENU

"HD" - HISTORICAL DATA

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

NOTE: These functions are not resettable.

Press Select Button 1: To show the historical total cash sales.

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

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

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

"RD" - RESETTABLE DATA

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

Press Select Button 1: To show the total cash collected since the last counter reset.

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

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

Press Select Button 4: To clear the resettable data. Hold button 4 for 5 seconds. "COUNTERS RESET" will be displayed. At this time all resettable data will return to "0".

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

PROGRAMMING

“S-P” - SET PRICE

NOTE: The multi-pricing feature allows selections to be set for any price from \$0.00 to \$99.95.

This function is used to set the price of each selection

Press any select button to display the price the selection is set for.

Hold the select button in to make the price increase by nickels.

Release and then press the select button to make the price decrease by nickels.

To set all selections for the same price:

Set the desired vend price on select button 1.

Simultaneously press and hold select buttons 3 and 4 for five seconds.

The vend price of all selections will be set to the price programmed for select button 1.

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

“CD” - COIN DUMP / FILL MODE

“CD” - COIN DUMP

The following actions will empty the coins from the coin mechanism change tubes while in the “C-D” mode.

Press and hold select button 1 to dump tube #1 (nickels).

Press and hold select button 2 to dump tube #2 (dimes).

Press and hold select button 3 to dump tube #3 (quarters).

Press and hold select button 4 to dump tube #4 (dollar coins).

“CD” - Fill Mode

The vender must know how much change is available in the coin mechanism to enable the dollar bill acceptor. To do this the coins must be inserted into the top (separator) of the coin mechanism when the vender controller is in this mode. The total value of the inserted coins will be displayed and will be counted in the DEX audit data, so the controller knows exactly how much change is in the coin mech.

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

“USER” - USER OPTIONS MENU

The following functions are used to configure the vender for the specific needs of the operator. To move to the diagnostics function (DIAG), press and hold select buttons 1 and 2 simultaneously. To enter the “User Options Menu” press select button 1. Note: The following are sub-menus of the USER option menu: “CA”, “TIME”, “DATE”, “ESC”, “ECNT”, “BILL”, and “RTN”.

“CA” - Column Assignment

Note: Press and hold buttons 1 and 2 simultaneously to move to the next item on the menu.

To view the column assignment condition, press any select button to display the current columns assigned to that select button.

There are three column assignment conditions: Dixie-Narco Space-to-Sales, Hershey® Space-to-Sales, and Custom Space-to-Sales.

For Custom Space-To-Sales:

To Assign Column:

To assign a column to a selection button it first must be available or unassigned. Because of this, columns must be removed (deleted) from their present assignment before they can be added to another select button. A column can only be assigned to one select button.

PROGRAMMING

To Remove Column:

Press the Service Switch, "ADD" will be displayed, press Service Switch again and "DEL" will be displayed. Note: Pressing the Service Switch will toggle between add and delete. A 10 second inactivity time-out will return to "CA". Press and hold any select button, the select button being held is the select button from which the additional column will be removed. While holding the select button, the display will read "DEL#" and the column #'s will increment from 1 to 50. Release the select button when the desired column number to be removed is displayed. A message will scroll across the display telling you what column will be deleted from the select button being held. Press the Service Switch to complete the space-to-sales decision and re-enter the Service Mode.

NOTE: ONLY ONE COLUMN ASSIGNMENT CHANGE MAY BE MADE AT A TIME. THE SERVICE SWITCH MUST BE PRESSED BEFORE AND AFTER EACH CHANGE.

IMPORTANT: To remove (delete) all columns from select buttons, at the "DEL" prompt press select buttons 3 and 4 simultaneously.

To Add Columns:

Press the Service Switch, "ADD" will be displayed. Note: Pressing the Service Switch will toggle between add and delete. A 10 second inactivity time-out will return to "CA". Press and hold any select button, whichever select button is held is the select button the additional column will be assigned. While holding the select button, the display will read "ADD#" and the column #'s will increment from 1 to 50. Release select button when the desired column # to be added is displayed. A message will scroll across the display telling you what column will be assigned to the select button being held. Press the Service Switch to complete the space-to-sales decision and re-enter the Service Mode.

NOTE: ONLY ONE COLUMN ASSIGNMENT CHANGE MAY BE MADE AT A TIME. THE SERVICE SWITCH MUST BE PRESSED BEFORE AND AFTER EACH CHANGE.

For Dixie-Narco Space-To-Sales Default Configuration:

Press the Service Switch, "ADD" will be displayed, press the Service Switch again and "DEL" will be displayed. Press select buttons 3 and 4 simultaneously to remove (delete) all columns from all select buttons. The display will show "CA". Press the Service Switch, "ADD" will be displayed. Press select buttons 3 and 4 simultaneously to set Dixie-Narco Space-to-Sales Default Set. See page 8.

For Hershey®'s Space-To-Sales Default Configuration:

Press the Service Switch, "ADD" will be displayed, press the Service Switch again and "DEL" will be displayed. Press select buttons 3 and 4 simultaneously to remove (delete) all columns from all select buttons. The display will show "CA". Press the Service Switch, "ADD" will be displayed. Press select buttons 5 and 6 simultaneously to set Hershey®'s Space-to-Sales Default Set. See page 7.

"TIME" - Time

NOTE: This function must be set if the DEX system is being used.

To display the time, press and let go of any select button. The time will be displayed in the military format (24 hour clock). To change the time, press and hold select button 1 or 2, the time will increment or decrement. To change from incrementing to decrementing, release the select button and press it again. To change the time - Press and hold select button 1 to set hours. Press and hold select button 2 to set minutes.

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

PROGRAMMING

“DATE” - Date

NOTE: This function must be set if the DEX system is being used.

To view the date, press and let go of select button 1 OR 2. The month and day will be displayed as “X.YY” where “X” represents the month and “YY” represents the day. Press and let go of select button 3 to display the day of the week. Press and let go of select button 4 to display the year.

To change the date:

Press and hold select button 1 to set the month.

Press and hold select button 2 to set the day.

Press and hold select button 3 to set the day of the week (see the following chart).

#1=Sunday #2=Monday #3=Tuesday

#4=Wednesday #5=Thursday #6=Friday

#7=Saturday

Press and hold select button 4 to set the year.

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

“ESC” - Escrow

The controller supports two escrow options. To show the current escrow condition, press any select button.

To change the escrow condition:

“E-S4” - Escrow to Select 4 - Press and hold select button 2.

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

“E-S1” - Escrow to Select 1 - Press and hold select button 3.

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

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

“ECNT” - Electronic Counter

This function is used to show the historical total vends, total interval product counts by price, and the interval product count for each selection from the outside the vender. To program the vender to use this function, press any select button. The current “Pass Word” setting will be displayed. If “---” appears in the display then no password is programmed. To program or to change the password follow the steps below:

- A) Press the system audit/set-up/diagnostics switch. The display will show “----”, indicating a new password is ready to be entered.
- B) Press any four select buttons that are desired to be the password. As the select buttons are press, the display will change to show the chosen select button numbers. Note: Four different select buttons must be used - only select buttons 1 through 9 may be used.
- C) Press the system audit/set-up/diagnostics switch. The display will change back to “ECNT”.

Using the Electronic Counter Function

With the vender in the ready to vend operating mode (door closed and locked) hold the four “Pass Word” select buttons for 5 seconds. The display will show the historical total vends. To view the other data:

Press and hold select button 1 to show historical total vends.

Press and hold select button 2 to scroll the Interval Product Counts By Price.

Press and hold select button 3 to scroll the Interval Product Counts by Selection.

Pressing and holding select button 4 for five seconds resets all Interval Data. “COUNTERS RESET” will scroll across the display.

Pressing any select button greater than 4 will return the vender to Normal Operation. Note: There is a two minute time-out that will return the vender to normal vending mode.

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

PROGRAMMING

“BILL” - Set Bills Only

Note: This mode is used only when even dollar prices are set.

To show the current “BILL” condition press select button 1 and the current condition will be displayed. To change the current “BILL” condition:

Press select button 1: The “bills yes” mode is enabled. A Coin Changer is no longer required and the controller will not recognize the presence of any coin changer. Pricing must be in dollar increments.

Press select button 2: The “bills no” mode is enabled. A coin changer must be used. The controller will not operate without a changer.

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

“RTN” - Return

This function is used to return to the User Option Menu.

Press select buttons 1 and 2 simultaneously to move to “CA”.

Press select button 1 to return to “USEr”.

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

“DIAG” - DIAGNOSTICS MENU

This function allows you to systematically diagnose problems related to the vender. To enter the “Diagnostics Menu” press select button 1. Press and hold select buttons 1 and 2 simultaneously to move to the next item on the menu.

“SE” - Select Switch Test

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

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

“VS” - Vend Sensor Test

Use this function to test the vend sensor.

Press select button 1. Any reading in the display greater than 1.00 and less than 2.25 indicates the vend sensor is working properly.

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

“MT” - Motor Test

Use this test to run any motor in the vender.

Press select button 1 to scroll until the desired motor (column) # is shown on the display.

Press select button 2 to run the selected motor. The display will show “TESTING”.

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

“CM” - Coin Mech Test

Use this test to check the coin mechanism functions and coin chute work.

Insert coins into the top of the coin mechanism. The value of the coins will be shown on the display.

Press and hold select button 2 to return the inserted coins.

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

PROGRAMMING

“NA” - Note Acceptor Test

Use this test to check the bill acceptor functions.

Insert a dollar bill. The bill will be held in the bill acceptor and the value of the bill will be shown on the display.

Press and hold select button 2 to stack the bill and cancel the credit shown on the display.

Press and hold select button 3 to return the bill and cancel the credit shown on the display.

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

“DSP” - Display Test

Press any select button and the display segments will illuminate in a scrolling manner, while blinking the exact change LED.

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

“VERS” - Version of Software

Press any select button and the display will scroll the software revision in the control box. Example: ###.## where ## represents the software revision.

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

“AUTO” - Automatic Test Mode

This function is used in Dixie-Narco’s manufacturing process and is not intended for use in the field.

PROGRAMMING

MENU PROMPTS – QUICK REFERENCE

MAIN MENU	SUB-MENU	SUB SUB-MENU
HD (Historical Data)		
RD (Resettable Data)		
S-P (Set Price)		
C-D (Coin Dump / Fill)		
USER (User Options)		
	CA (Column Assignment)	
		Delete
		Add
		Return
	TIME (Time)	
	DATE (Date)	
	ESC (Escrow)	
		E-S4 (To Select 4)
		E-S1 (To Select 1)
	ECNT (Electronic Counter)	
	BILL (Set Bills Only)	
	RTN (Return)	
DIAG (Diagnostics)		
	SE (Select Switch)	
	VS (Vend Sensor)	
	MT (Motor Test)	
	CM (Coin Mechanism)	
	NA (Note / Bill Acceptor)	
	DSP (Display)	
	VERS (Software Version)	
	RTN (Return to Main Menu)	
AUTO	(Factory Use Only)	