

INTRODUCTION

The Snackshop "C" series vending machines are designed for the small-site market. The snack machine contains a coin mechanism (24 volt) and selection control unit. These components will enable the machine to function properly and give you an **option** to add a cold can drink or currency validator for a complete system. This can be done by just plugging them into the back of the snack cabinet.

1. POWER SUPPLY

The 115 VAC power cord from the wall outlet comes into the machine and plugs into the left side of the main interlock box located on the bottom hinge side of the machine. The other connections on the interlock box are for the transformer, lights, and power plug to the control board. All these connections are different so you cannot plug them in wrong. The 115 VAC cord goes to the toggle switch inside the box and then to the transformer which supplies two output voltages 28 VAC (11 & 12) and 10.6 VAC (13 & 14). These voltages then pass through their circuit breakers and up to the control board. The 28 VAC and 10.6 VAC goes to the top left plug on the main control board.

The voltage used on the vend motors is 24 VDC. Do not test them with AC voltage and be sure polarity is correct or damage will result.

When removing any component be sure the power is off. Take special care when removing the control board. Do not lay the board on a metal surface.

2. CHANGER

The "C" series snack machine can use either a Mars (TRC-6010), (TRC-6010C) or a Coinco (9302-L) changer. Both changers are **24 volt**. The changer may be mounted on the bracket provided on the door. Remove the changer hold down screw which was installed in this bracket for shipment. Hang the changer on the shoulder studs provided and replace the hold down screw to lock the changer in place. Be sure the changer cord is clear of the coin return lever operation.

3. MODE SWITCHES

The mode switches are located on the control board (see Figure 8). They allow for control of coin payout and setting of prices. The two mode switches used for coin payout are 10* (top) and 5* (middle). Pushing each individual switch allows payout from the changer of that coin. Pushing both mode switches at the same time allow payout of 25*.

4. SELECTION PANEL

The selection panel (Figure 9) on the Snackshop "C" series incorporates the use of a self enclosed membrane switch panel. This eliminates the need for individual switches and wiring. The membrane switch panel is housed in a plastic housing. The housing also contains the instruction and digital display glass. Included on the instruction glass are three messages for customer instruction when the machine can not complete a vend for an item selected. If this condition occurs, an L.E.D. next to the proper instruction will flash until the customer takes further action.

5. VEND MOTORS

The "C" series snack machine incorporates the use of a high RPM-DC motor. The snack and candy motors are the same and may be interchanged. Due to the new design, the vend motor may no longer be homed by hand. **DO NOT TRY TO TURN THE SPIRALS BY HAND. DAMAGE TO THE MOTOR WILL RESULT.** It is also important to check polarity before applying current to the motor. Two diodes and a capacitor are used to prevent circuit feedback and may have to be checked when trouble shooting motor problems.

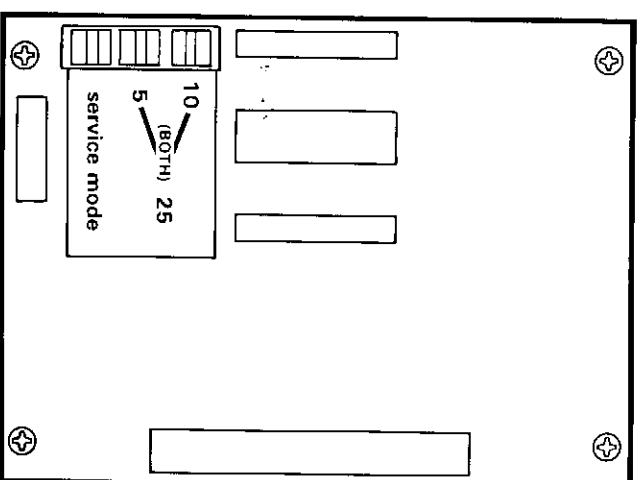


Figure 8. MODE SWITCHES.

6. PRICE CHECKING

Price checking is done through the selection panel in conjunction with the mode switch button on the control board. The L.E.D. on the selection panel will always display a ".00" credit.

A. To check prices for each selection simply press the selection letter (which will appear on the L.E.D. panel) and then press the number. The price for this selection will also appear on the display.

7. PRICE SETTING

To set up prices in the machine you will have to first press the service mode button (see Figure 8).

A. Press the selection letter (B) and the number (2). The price for that selection will be lit on the control board.

B. To **Increase** that selection price push #8. The L.E.D. will then increase in increments of 5¢.

C. To **decrease** that selection price push #7. The L.E.D. will then decrease in increments of 5¢.

D. After pricing the selection press the mode switch a second time to return the machine to the operate condition. **NOTE:** After a 20-30 second delay it will automatically go into the operate condition.

components

8. TEST VEND OPERATION

To set a selection for a test vend the mode switch on the control board must be pressed.

- A. Press the #6 button on the selection panel and the L.E.D. will show three lines (— — —).
- B. Enter the selection to be tested. (Example: C3). As soon as this is done that selection will cycle once. Making a selection with a defective motor or a selection not in the machine that selection will be ignored.
- C. Press the mode switch button on the control board to put the machine back into operation.

9. LIGHTING SYSTEM

There is only one fluorescent lamp in the Snack Machine. The lamp is located in the top of the door, and lights the main product area. The starter is located on the changer mounting bracket. The ballast for the circuit is located on the main interlock box.

10. MAIN PRODUCT SHELVES

There are three main product shelves per machine, each containing either three or six selections. Each selection has its own motor mounted to the back of the shelf. Every shelf has its own harness and plug for connecting to the remainder of the circuit through the cabinet receptacle, located in the left rear of the cabinet. The motors are the same on either type shelf. It is possible in the Snack Machine to exchange a three selection shelf with a six selection shelf or visa versa.

NOTE: The snack machine can contain up to three candy shelves. A candy shelf placed in the "A" selection position restricts the use in conjunction with a slave (machine without a changer) cold can drink.

NOTE: When exchanging the shelves, you will not need any parts, but you will have to reprogram the machines for prices and selections.

REMOVAL OF PRODUCT SHELF:

- A. Lift up and pull the shelf to its loading position.
- B. Grasp shelf in front and rear center. Lift front of shelf up above horizontal and pull shelf forward while lifting.
- C. To install shelf, reverse above procedure.

11. DELIVERY BIN

This is located below the display window on the door and is mechanically operated.

REMOVAL OF DELIVERY BIN: Remove inner product deflector by sliding up through the notches on the bin back. Remove the two delivery bin anchor straps from the door. Remove the two screws holding the left side bracket of the delivery bin to the door. Using the bottom guide holes of the delivery bin remove two more screws. Lift the bin up and off of the lip of the door.

REPLACEMENT OF DELIVERY BIN: Locate the two lips on the front of the door. Slide the delivery bin onto it. Align the two delivery bin anchor straps with their respective holes. Replace the two screws on the left side bracket. Replace the last two screws using the lower delivery bin guide holes. Reinstall product deflector.

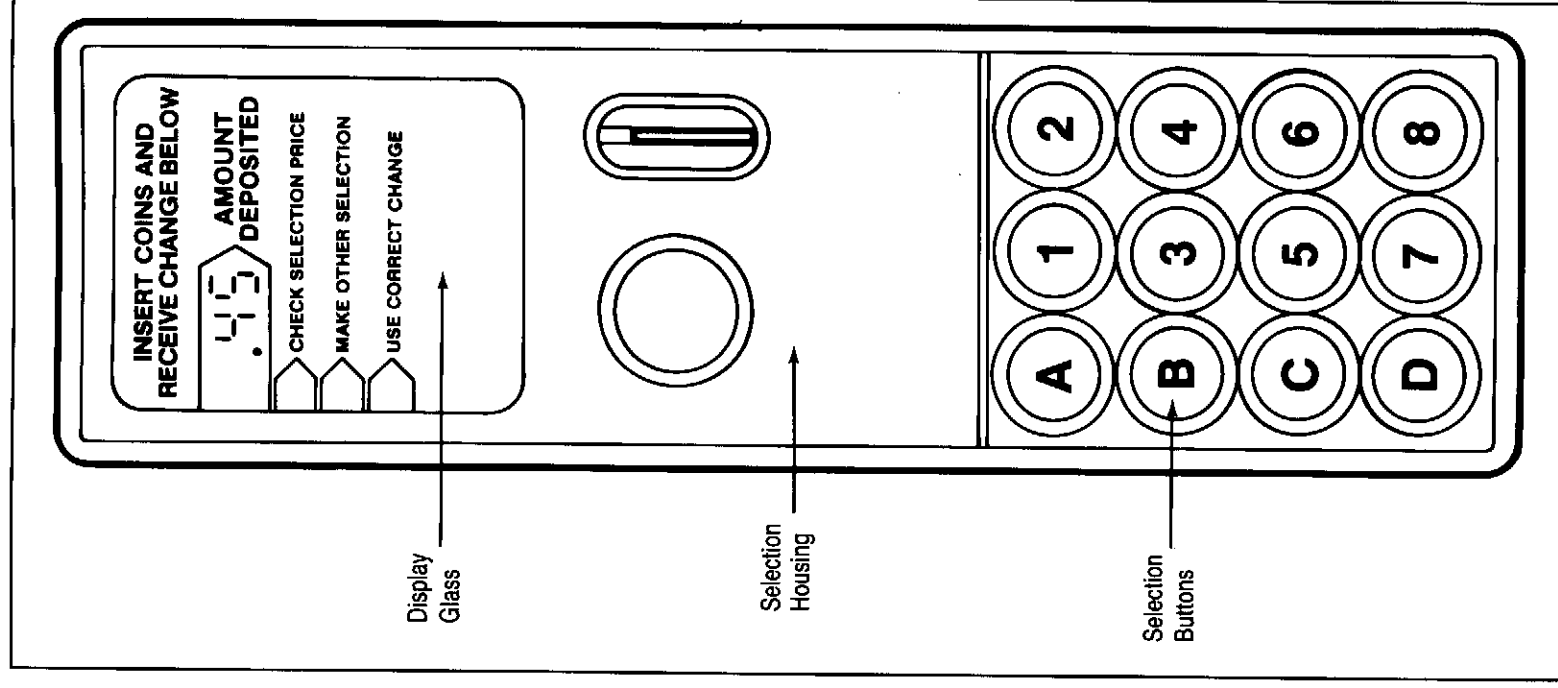


Figure 9. SELECTION PANEL