

Large Spirals

5 count 2 3/8

6 count 2 1/8

7 count 1 3/4

12 count 1

15 count 3/4

Small Spirals

5 count 2 3/8

7 count 1 3/4

9 count 1 1/4

12 count 1

20 count 9/16

WM2 INSTRUCTION MANUAL

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IMPORTANT NOTICES

The unit must be securely fastened to the wall.

Disconnect power before connecting or disconnection the changer, dollar bill acceptor, electronics controller or any other electrical device.

Vendor must be protected from lightning. Electrical surge protection must be provided at the wall outlet.

Inspect the unit immediately upon receipt for the freight damage. Claims must be made to the freight carrier.

The unit is equipped with a drop detect system. See page 17 for information.

I Operation Guide MDB3 Controller

CONTROL SETUP AND OPERATION

Press *mode* switch once to enter service mode. Then press appropriate button on door front selection pad.

COIN DISPENSE

Press 1 - (Display will show "Coin")

Press 1 to dispense lowest value coin

Press 2 to dispense next value coin

Press 3 to dispense next value coin

Press 4 to dispense next value coin

Press 6 to EXIT FUNCTION

PRICE SETTING

Press 3 - (Display will show TRC")

Press 1 to set single selection

Press Selection - Press 8 to increase price Press 9 to decrease price Press 2 to set row prices.

Press Row letter, adjust price by pressing 8 or 9

Press 6 to EXIT FUNCTION

VEND OPTIONS

Press 5 - (Display will show "opt")

Press 0 for Forced Vend - FOy (yes) or FOn (no). Press 0 to change setting

Press 1 for BILL ESCROW - ESy (yes) or ESn (no). Press 1 to change setting.

Press 2 for MULTI-VEND - ULy (yes) or ULn (no). Press 2 to change setting

Press 3 for DROP-DETECT - ddy (yes) or ddn (no). Press 3 to change setting

Press 6 to EXIT FUNCTION

TUBE LOAD FUNCTION

Coins can be added to the change tubes by passing the vend cycle with this function. ALL COINS MUST BE LOADED THROUGH THE ACCEPTOR.

Press 7 to enter. "t-Ld" will be displayed

Load lowest value coins first. The coin count and

Value will be displayed. Load the next value coins.

The coin count and value will be displayed. Repeat

Process until all coins are loaded

Press 6 to EXIT FUNCTION.

MOTOR TEST FUNCTION

Press 4 to enter. "TEST" will be displayed.

Press 1 to read valid motor count.

Press 2 to vend a single selection. "ONE" will be displayed until a selection is pressed. Repeat this process for each selection to be tested. Press 3 to test a row of motors, "ro" will display until a row letter is pushed (A, B, etc.).

Press 4 to test all motors in the machine.

Press 6 to EXIT FUNCTION.

EXIT SERVICE MODE

Press mode button or wait 30 seconds.

A detailed outline of all functions is located on pages

II. SET UP

A - Unpackaging

Unpackage your WM2 carefully. Inspect immediately for hidden damage.

If damage is found report it to freight carriers

NOTICE: Keys and manual are in the goody bag on back of unit

B – Mounting On Wall

1 – After positioning the unit drill 4 mounting holes and 1 hole for the power cord through the wall.

2 – Secure the vendor to the wall with 1/4 inch diameter or larger bolts and heavy washers.

NOTICE: When tightening the vendor to an uneven surface do not warp the cabinet.

C – Power Source/Transformer/off switch

NOTICE: Only connect the WM2 to an approved 115 VAC (230 VAC for export machines) power source that has a safety ground.

The 115 VAC to 24 VAC transformer is mounted on the righthand side of the cabinet back wall.

A combination on-off 7 amp circuit breaker rocker switch is located below the transformer

D- Mount Changer/Bill Acceptor

1 – The changer is mounted on 3 studs located on the vertical brace. (See Fig. 1)

2 – The bill acceptor is mounted on 4 plastic stand-offs with 6-32 MS

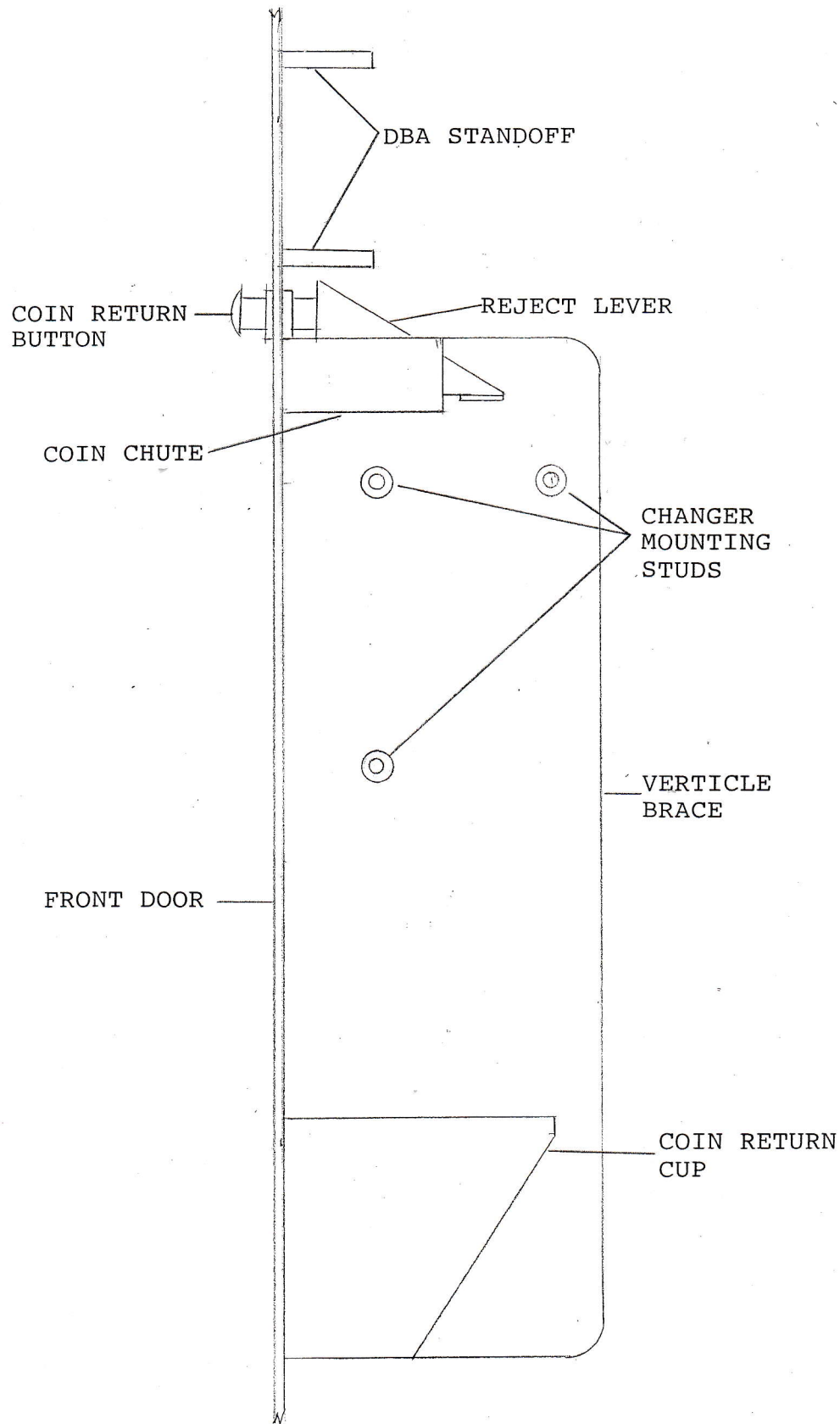
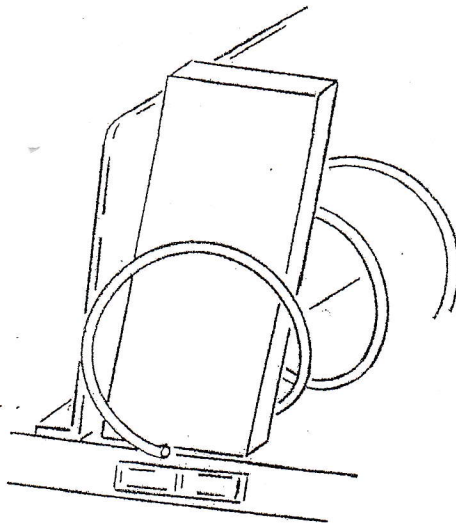


FIG. I

E - Loading Product

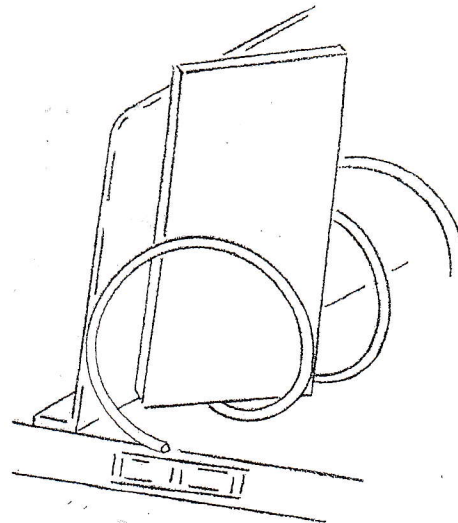
NOTICE: Product must be loaded properly to insure a good vend. The bottom of large products must rest on the tray not on the spiral (see Fig III). The bottom of short thin product must rest on the spiral (see Fig IV).

FIG III



Correct way to load
large thick products

FIG IV

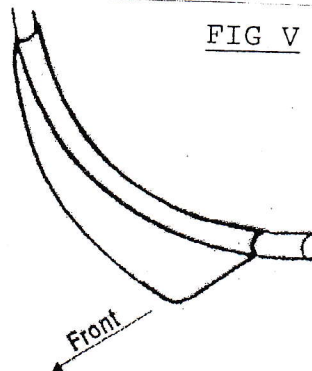


Correct way to load
small thin products

NOTICE: Never force the product between the spirals. If the product is too tight use the next larger spiral.

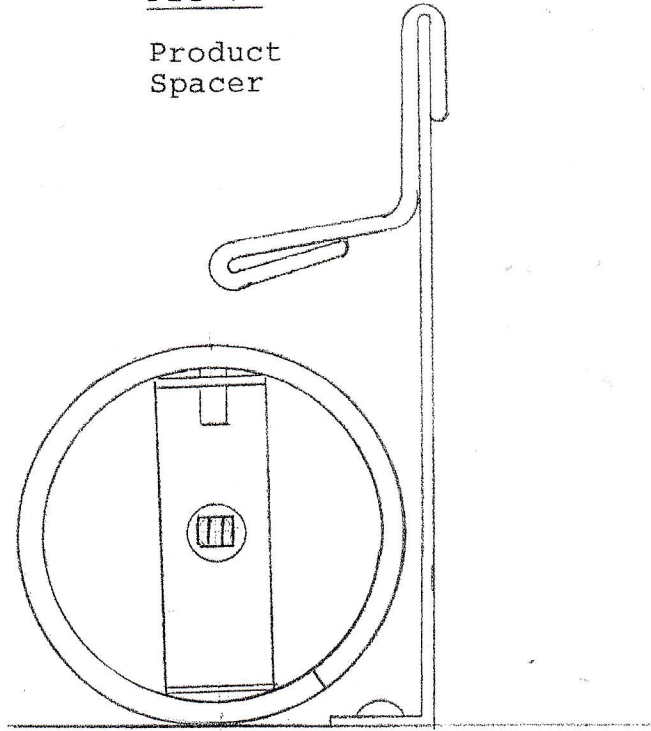
NOTICE: If the spiral is not long enough to push a product off the tray a "Product Pusher" can be snapped on the spirals end (see Fig V).

FIG V



NOTICE: For tall thin products a "Product Spacer" can be pushed on a tray divider to keep them aligned (see FIG VI).

FIG VI
Product
Spacer



To load the products unlatch the tray by lifting the left hand side and swinging it to the right. After loading relatch the tray.

F – Display Set – Up

To access the display by removing the 6 nuts holding the display housing to the door back.

Then remove the tape holding the plexiglass.

Position your products in the display and add the appropriate price sticker.

NOTICE: Products over 1 ¼ inch thick will not fit. A picture can be used for the thicker products.

III SERVICE MODE

A - MDB3 CONTROLLER DESCRIPTION

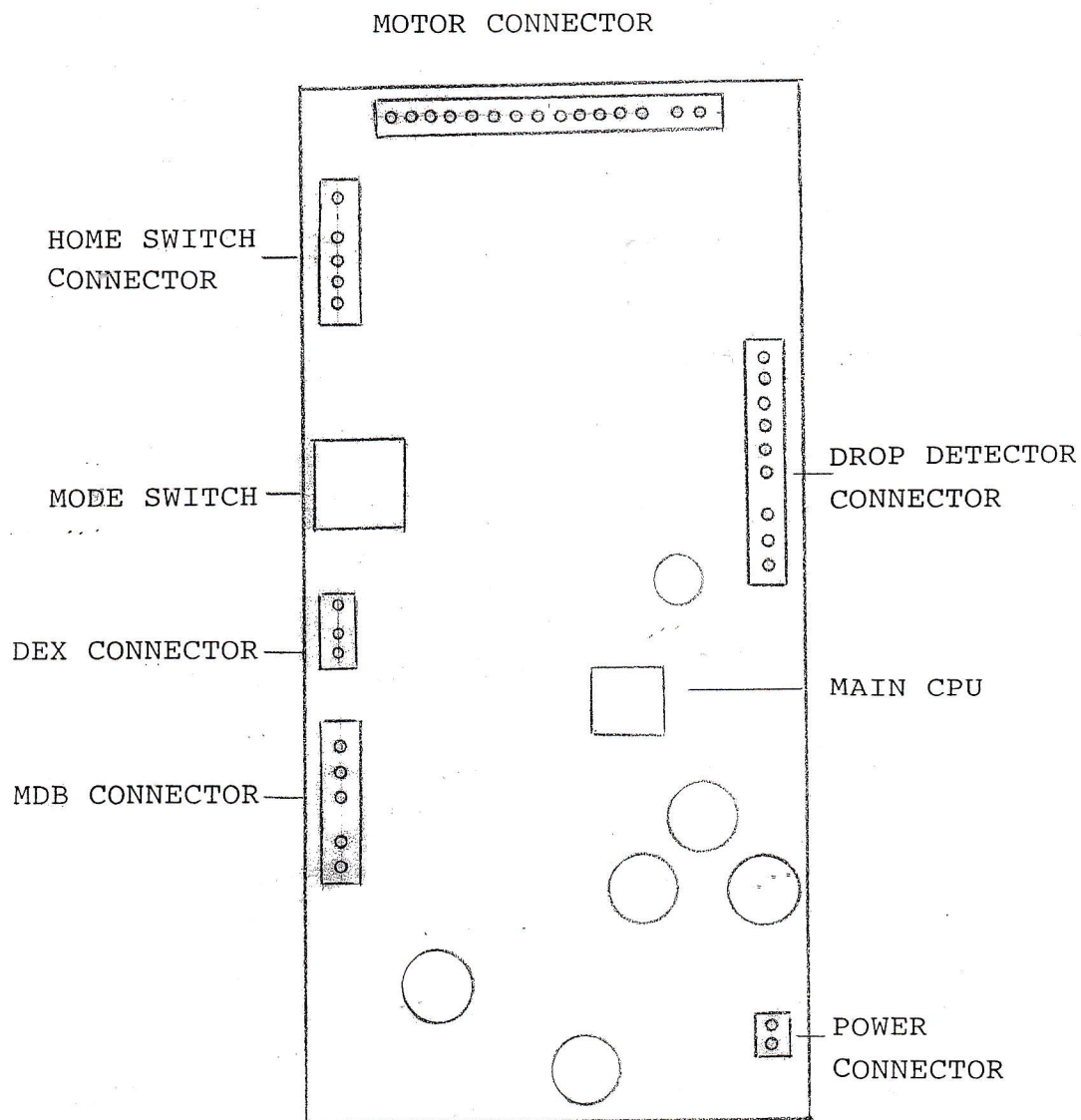


FIG. VII

NOTICE: The LED display and key pad connector are on the back side.

USE care when handling the controller.

B MDB 3 CONTROLLER OPERATION

The electronic controller functions as the brain of your LM18MDB and has the following operating characteristics:

1. At power up the controller configures the vendor according to what is hooked up ie motors, changer, bill acceptor, card reader and drop detect system.

If only the bill acceptor is detected, prices can only be set in one dollar units

2. The changer will not accept coins when
 - a. the top vend price has been reached,
 - b. the changer has no power or,
 - c. the machine is in vend cycle.

3. The "EXACT CHANGE" light will be lit when there is insufficient change in the coin tubes. During this time, change will not be given. The MDB electronics does not check coin levels in the tubes. It counts coins accepted and coins paid out.

4. The LED credit display will show the total amount of money eposited. If the selection price is greater than the deposits, the display will flash "CHECK PRICE".

5. The bill acceptor will not take bills if
 - a. the top vend price has been reached,
 - b. there are insufficient coins in the change tubes,
 - c. the unit has no power,
 - d. the machine is in vend cycle or,
 - e. the bill stacker is full.

6. The controller provides DEX and MDB2 for the card reader systems you selected. Consult the system provider for operation details.

7. If a drop detect unit is installed and the option is turned on product delivery to the customer is confirmed. If no product is detected.

- a. The vend motor homes and credit remains. Selection can be tried again.

- b. The drop detect unit will sense product up to 5 seconds after motor homed for late drops

NOTE: If the drop detect options is on and no unit is installed the vendor will not operate.

8. Selection is made by first pressing the letter (A, B, C etc.) and then the number of the desired item. If no credit has bee established the item's price will be flashed on the display.

9. If a vend motor fails to make a complete turn, "MAKE ALTERNATE SELECTION" will flash on the display.
10. The electronic controller can be programmed to do the following
 - a. FORCED VEND on or off. This feature insures the vendor will not be used as a bill changer. (On is Standard Setting)
 - b. BILL ESCROW on or off. This feature returns the last bill inserted instead of change if a selection is not made. (Off is Standard Setting)
 - c. MULTI-VEND on or off. This feature allows a customer to buy multiple items up to the amount of the deposit. Change is returned when the reject button is pressed. (Off is Standard Setting)
 - d. Drop Detect on or off. This option validates product delivery to customer if installed.

C **MDB CONTROLLER PROGRAMMING** (MDB3 Controller)

To dispense coins from the changer, access accounting registers, set vend prices, test motors, and select vend options, you must enter the SERVICE MODE.

Press the MODE button on the controller to enter SERVICE MODE. "SET" will be displayed.

Press 1 to enter COIN DISPENSING function.
Press 2 to enter ACCOUNTING function.
Press 3 to enter PRICE SETTING function.
Press 4 to enter MOTOR TEST function.
Press 5 to enter VEND OPTIONS function.

To return to SALES MODE, press the MODE button or wait 30 seconds with no activity.

A. COIN DISPENSING FUNCTION

Press 1 to enter. "Coin" will be displayed.
Press 1 again to dispense lowest coin value. The coin value will be displayed.
Press 2 to dispense next coin. The coin value will be displayed.
Press 3 to dispense next coin. The coin value will be displayed.
Press 4 to dispense next coin. The coin value will be displayed.
Press 6 to EXIT FUNCTION.

B. ACCOUNTING FUNCTION

Press 2 to enter. "ACCT" will be displayed.
Press 1 to read total vend counter. "SALE" will display 1 second, then the total non-resettable vend count will appear.
Press 2 to read total cash counter. "CASH" will display, then the total non-resettable cash count will appear.
Press 3 to read resettable vend counter. "r SLE" will be displayed, then the total vends since last reset will appear.
Press 4 to read resettable cash counter. "r CSH" will be displayed, then the total cash taken since last reset will appear.
Press 5 to clear resettable counters.
Press 6 to EXIT FUNCTION.

C. PRICE SETTING FUNCTION

Press 3 to enter. "PrC" will be displayed.

Press 1 to set a single selection price. "ONE" will be displayed until a valid selection is pressed. Then the selection's price will appear. Press 8 to increase the price and 9 to decrease it. Repeat this process for each selection to be priced.

Press 2 to set a total row of prices, "ro" will be displayed until a row letter is pushed (A, B, C etc.). Then the current price will be displayed. Press 8 or 9 to adjust the price.

Press 6 to EXIT FUNCTION.

D. MOTOR TEST FUNCTION

Press 4 to enter. "TEST" will be displayed.

Press 1 to read valid motor count.

Press 2 to vend a single selection. "ONE" will be displayed until a selection is pressed. Repeat this process for each selection to be tested. Press 3 to test a row of motors. "ro" will display until a row letter is pushed (A, B, etc.).

Press 4 to test all motors in the machine.

Press 6 to EXIT FUNCTION.

E. VEND OPTIONS FUNCTION

Press 5 to enter. "oPt" will be displayed. Press 0 for FORCED VEND on or off. Display will show FOy (yes) or FOn (no). Press 0 again to change setting.

Press 1 for BILL ESCROW on or off. Display will show ESy (yes) or ESn (no). Press 1 again to change setting

Press 2 for MULTI-VEND on or off. Display will show ULy (yes) or ULn (no). Press 2 to again change setting

Press 3 for DROP-DETECT on or off. Display will show ddy (yes) or ddn (no). Press 3 to again to change setting.

Press 6 to EXIT FUNCTION.

F. TUBE LOAD FUNCTION

Coins can be added to the change tubes by passing the vend cycle with this function.

ALL COINS MUST BE LOADED THROUGH THE ACCEPTOR.

Press 7 to enter. "t-Ld" will be displayed.

Load lowest value coins first. The coin count and value will be displayed.

Load the next lowest coins. The coin count and value will be displayed. Repeat process until all coins are loaded.

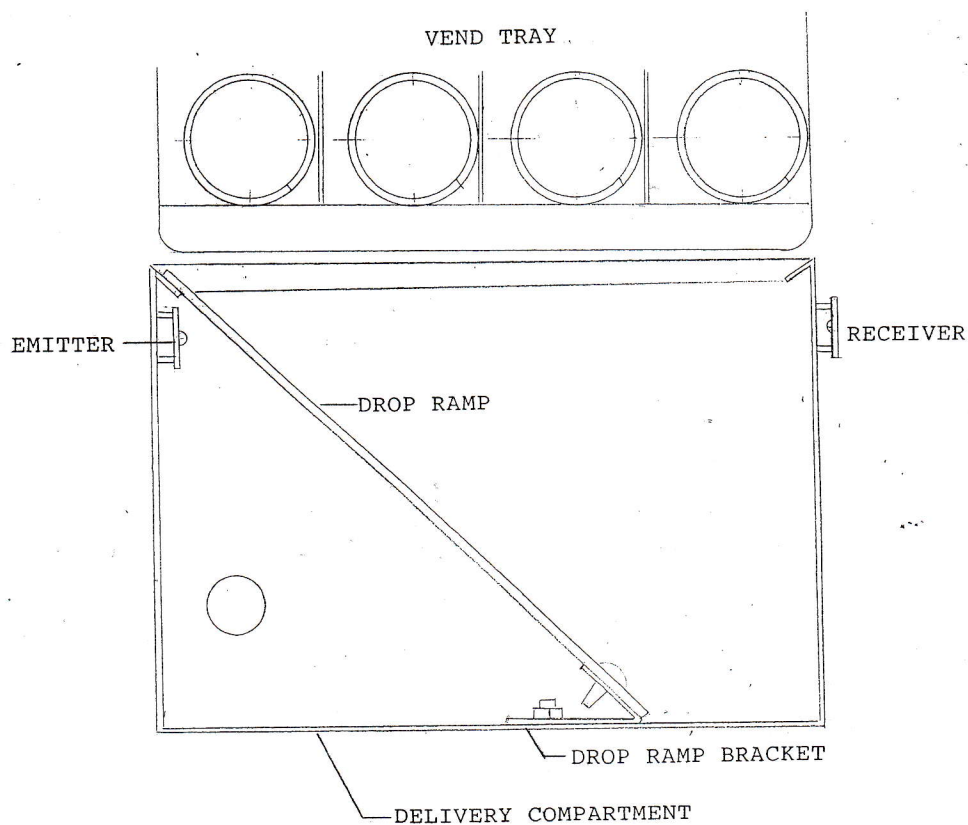
Press 6 to EXIT FUNCTION.

E – Drop Detection Operation

The WM2 has a drop detection system that notifies the controller if a successful vend has been made. If no drop occurs the customer credit remains and the machine signals “make alternate selection”.

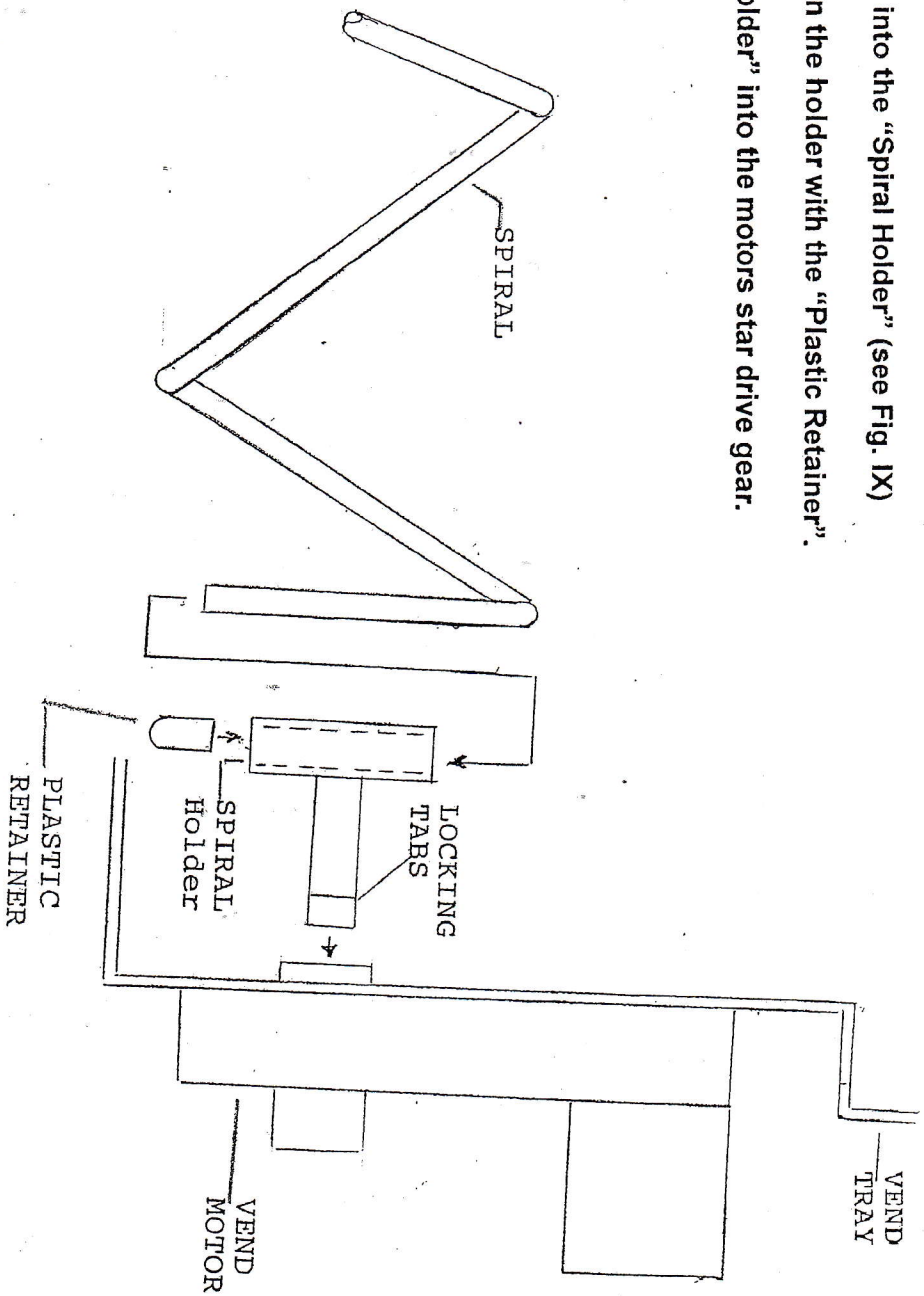
NOTICE: Insure path between the emitter and receiver is not blacked.

The emitter and receiver are located on the front and rear of the delivery compartment (see Figure below). To access the emitter you need to remove the drop ramp.



D Changing Spirals

- 1 - Push the spiral tail into the "Spiral Holder" (see Fig. IX)
- 2 - Secure the spiral in the holder with the "Plastic Retainer".
- 3- Push the "Spiral Holder" into the motors star drive gear.



NOTE: To remove the spiral holder from the motor, squeeze the "Locking Tabs" and pull the spiral forward.

F - Controller / Keypad Mounting

