



KIT PART NUMBER 4255345

INSTRUCTIONS FOR PREPARING A NATIONAL VENDORS FOODTRON (MODEL 425) FOR INSTALLING A SERIAL VALIDATOR

CHECK THE PARTS RECEIVED IN THE KIT WITH THE PARTS LIST IN THESE INSTRUCTIONS. IF ANY PARTS ARE MISSING, CONTACT THE NATIONAL VENDORS PARTS DEPARTMENT IMMEDIATELY.

Read these instructions carefully before installing the kit.
Keep these instructions for part numbers and for future reference.

This kit contains the following:

PART NUMBER	DESCRIPTION	QUANTITY
4255341	Validator PCB Assembly W/Prog. MCU	1
4255346	Kit installation instructions	1
4255326	Payout Switch PCB Assembly	1
4255328	Payout Switch Label	1
4255329	Payout Switch Cover	1
4255330	Coin Mech & Validator Harness - \$1 & \$5	1
4255333	IC Assembly - EPROM - Dom. Exec \$1 & \$5 (U2)	1
4255334	IC Assembly - EPROM - Dom. Exec \$1 & \$5 (U3)	1
4255337	Insert - Instr. - Mars \$1 & \$5	1
4255332	Payout Harness - \$1 & \$5	1
4255355	IC Assembly - MCU - prog - 60 hz. (U8)	1
4255354	Optional 24 Volt Coin Mech. Kit	OPT
4255394	Spacer - .5 x 3.66 x .13	2
4741050	Screw #8-32 x .50 Hex Head - T/F	4



INSTALL THE KIT ACCORDING TO THE FOLLOWING INSTRUCTIONS:

1. Turn off main power switch and/or unplug the merchandiser.

See figure 1:

2. Remove the door controller cover (1)
3. From the door controller PCB assembly, remove and discard EPROMS U2 (2) and U3 (3).

CAUTION

EPROMS are susceptible to damage from electrostatic discharge. Use the proper wrist grounding strap, and avoid touching the pins.

4. Install new EPROMS:
 - a. U2 4255333.
 - b. U3 4255334.
5. Remove and discard the coin mech interface board (4), and replace with the Validator PCB Assembly (4255341).
6. Remove and discard the following:
 - a. Coin mech harness (5)
 - b. Validator to control board harness (6)
 - c. Power to coin handling and door motor jumper (7)
7. Replace the harnesses you removed in step 6 with Coin Mech & Validator Harness - \$1 & \$5 (4255330). Connect harness to J104, J103, and J102 on the Validator PCB Assembly.
8. Connect the harness to the serial validator, coin mech, and power source as required.
9. Remove and discard the right and left connector brackets (8). **NOTE** In later machines, item #8 may have been replaced with a single connector bracket (P/N 3152202). Remove and discard 3152202 (if present).
10. Remove and discard Channel Backup Cover (9). Replace with the Payout Switch PCB Assembly (4255326) and the Payout Switch Cover (4255329).
11. Place the Payout Switch Label (4255328) on the Payout Switch Cover.
12. Install the Payout Harness - \$1 & \$5 (4255332) between connector J100 on the Validator PCB Assembly and connector J1 on the Payout Switch PCB Assembly.
13. Set programming switches as required (see page 5).
14. Replace the door controller cover (1).

See figure 2.

15. Remove the cabinet controller cover.
16. Remove and discard EPROM U8.
17. Install new EPROM U8, making sure the notch is facing in the direction shown.
18. Replace the cabinet controller cover.
19. If \$5 bills are to be accepted, remove the present insert instruction (mounted above the mouth of the bill validator) with Insert - Instr. - Mars \$1 & \$5 (4255337).



MARS VALIDATOR ONLY

If you are installing a VN25 validator, place the 4255394 spacers between the validator and the validator mounting brackets. Use the 4741050 screws to secure the validator and spacers to the mounting bracket.

20. Restore power to the machine.

CAUTION

The 24 volt coin mechanism option can be used with the following coin mechanisms ONLY:

MARS Model TRC 6010 XV
COIN-CO Model 9302-LF

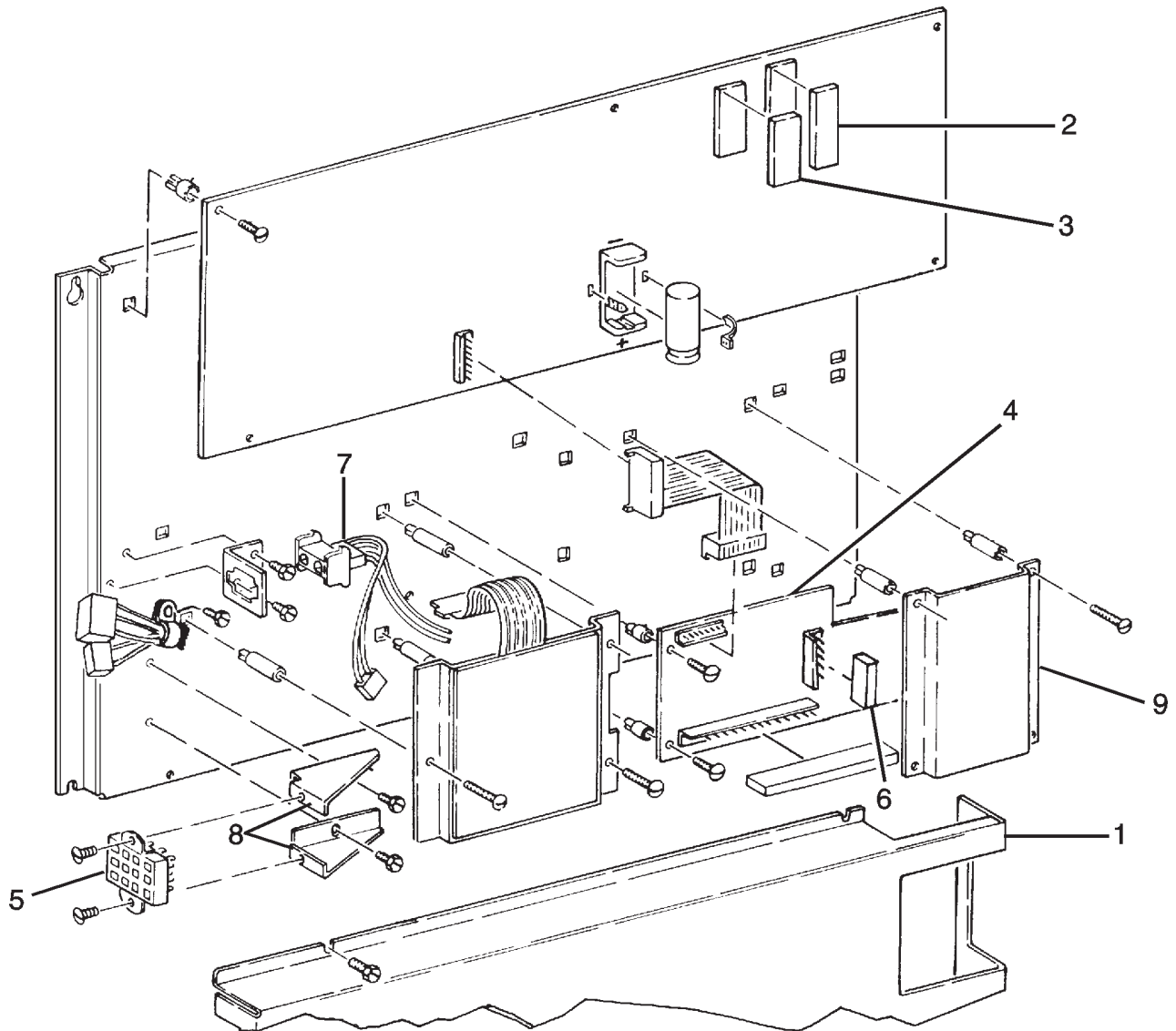


Figure 1

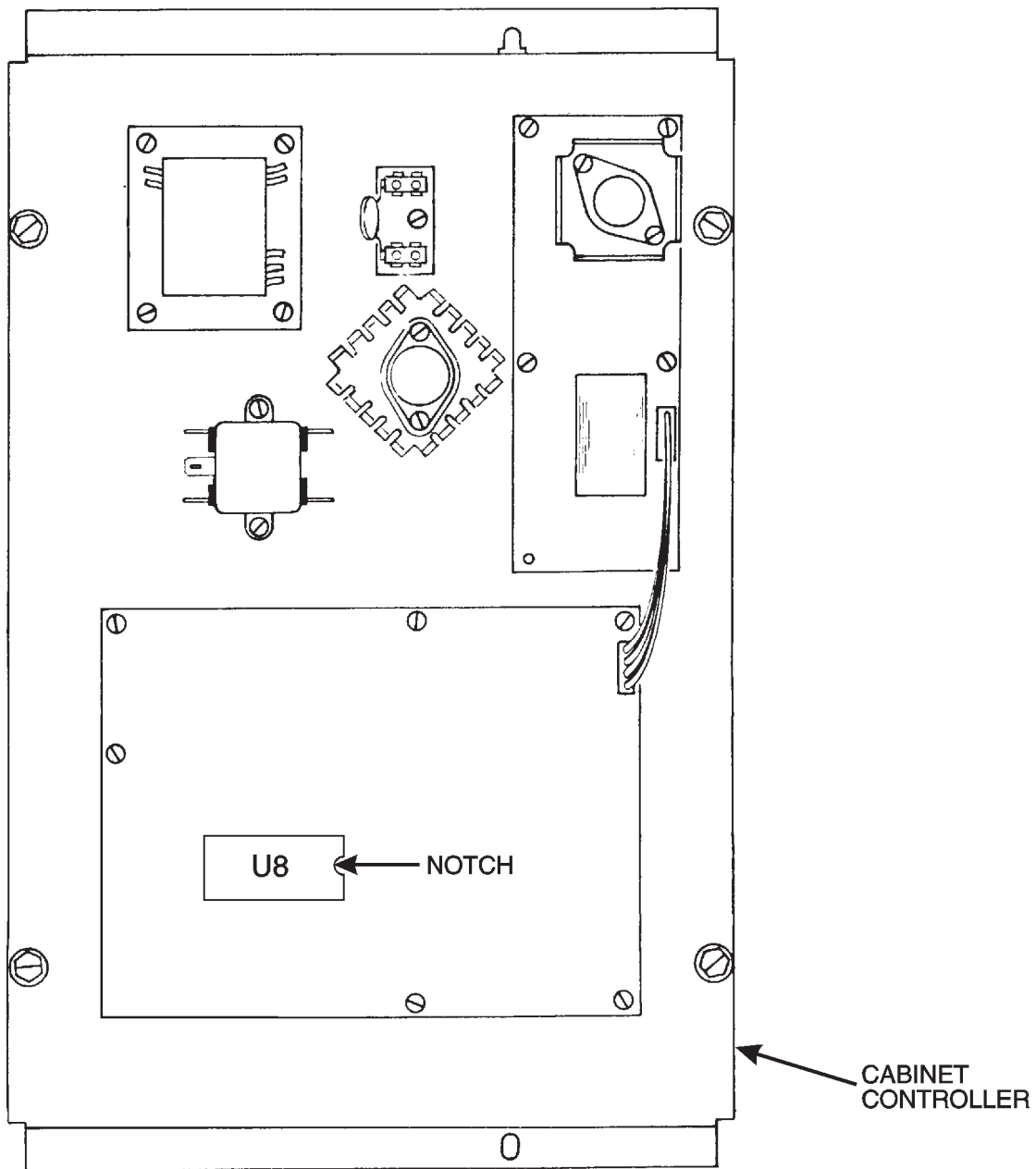


Figure 2

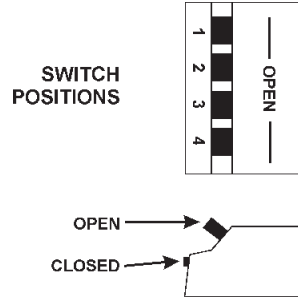


Figure 3

SWITCH FUNCTIONS:

The four-position function switch SW4 on the Validator PCB Assembly has the following function:

POSITION (See Figure 2)		FUNCTION
1	Open (OFF)	Validator accepts \$1 bills only
	Closed (ON)	Validator accepts \$1 and \$5 bills
2	Open (OFF)	No escrow
	Closed (ON)	Escrow
3	Open (OFF)	No declining balance
	Closed (ON)	Declining balance
4		Used to establish a base amount of coin tube inventory (see below).

ESTABLISH A BASE AMOUNT OF COIN TUBE INVENTORY

1. Make sure the machine is an operational status with power applied.
2. Add 1 roll each of quarters, dimes, and nickels (total of \$17.00) to the coin tubes.

NOTE

Do not continue until you have done this!

3. Place SW4, POSITION 4 in the closed (on) position. **LEAVE IN THIS POSITION FOR AT LEAST 2 SECONDS**
4. Place SW4, POSITION 4 in the open (off) position.

NOTE

The machine will not operate unless SW4, POSITION 4 is in the open (off) position.

OPERATING/PROGRAMMING INSTRUCTIONS

\$1 / \$5 BILL OPTION

All switches of the four-position switch (SW4) on the Coin Handling/Validator PCB assembly are factory set to the Open (OFF) position. If you want to program features other than the factory settings, refer to table 1, below.

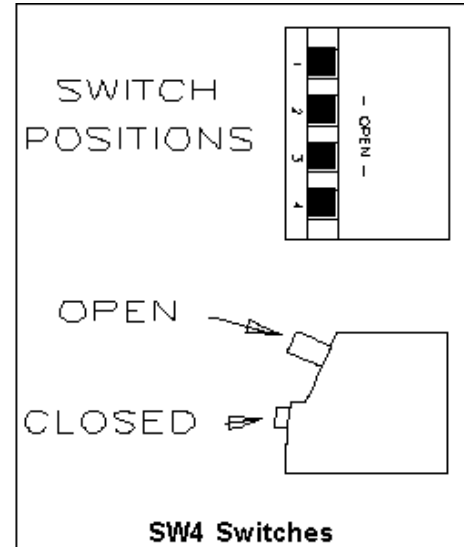


TABLE 1

SWITCH	POSITION	FUNCTION
1	Open (OFF)	Validator accepts \$1 bills only.
	Closed (ON)	Validator accepts \$1 and \$5 bills
2	Open (OFF)	No escrow
	Closed (ON)	Escrow
3	Open (OFF)	No declining balance
	Closed (ON)	Declining balance
4		Used to establish a base amount of coin tube inventory (see explanation below).

ESTABLISH A BASE AMOUNT OF COIN TUBE INVENTORY:

1. Make sure the machine is in an operational status with power applied.
2. Add 1 roll each of quarters, dimes, and nickels (total of \$17.00) to the coin tubes.
3. Place SW4, switch #4, in the closed (ON) position. **LEAVE IN THIS POSITION FOR AT LEAST 2 SECONDS.**
4. Place SW4, switch #4, in the open (OFF) position.

NOTE

The machine will not operate unless SW4, switch #4 is OFF.