

## ATD Special Service Instructions

05-17-23

### 1. Introduction

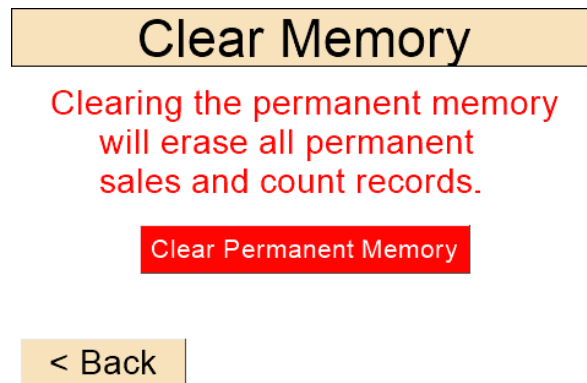
This note covers ATD service items useful for TMI service technicians. These features are not normally available to the dispenser customer and are not documented in the ATD user manual.

### 2. Clearing the permanent memory

The dispensers permanent memory holds all the settings configured on the various Service screens as well as lifetime and period report data. This memory is located in chip IC1 on the 504-117 interface board and does NOT require the onboard battery to preserve it; the battery is used only to keep the clock time set (the clock is also part of IC1).

The permanent memory normally never needs to be cleared, but if it does follow this procedure:

- a) Turn off the dispenser.
- b) Hold down the SERVICE button on the 504-117 board.
- c) Turn on the dispenser and hold the button until the following screen appears:



- d) Press the "Clear Permanent Memory" button.

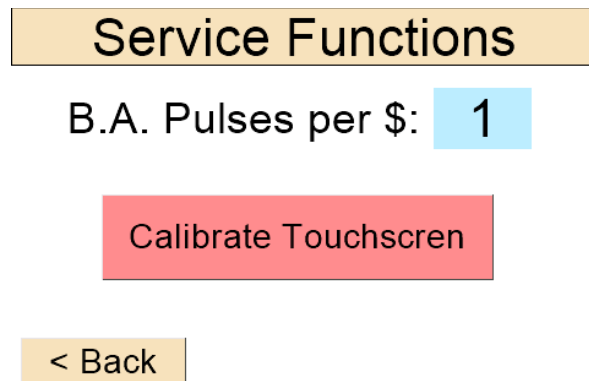


Since the permanent memory resides on the 504-117 interface board the ESP-32 computer module can be replaced without affecting the permanent memory. **HOWEVER**, if the version of software on the new ESP-32 is different than the previous version the permanent memory **WILL BE ERASED**. Be sure the customer records their lifetime and period counts before making such a change.

### 3. Setting the bill acceptor pulse value (APPLIES ONLY TO 504-117 BOARDS REV. 2.0 AND LOWER)

The dispenser must be configured to know how many pulses per dollar the bill acceptor is set for and a screen is available for this.

- a) Press the SERVICE button display the Service menu.
- b) Press the “Test” button to display the Test screen.
- c) Hold down the SERVICE button and press the word “Test” at the top of the screen.



- d) The special “Service Mode” screen will appear:  
Press on the blue box to set the number of pulses per \$1 to match the bill acceptor setting.

### 4. Recalibrating the touch screen

The touchscreen should not normally need to be recalibrated but if it becomes necessary use the “Calibrate Touchscreen” button on the same Service Functions screen. Use a small plastic stylus or other somewhat soft object to press in the four small targets that will appear during calibration. Once all four targets have been pressed the dispenser will restart automatically.



DO NOT use sharp items such as metal objects, toothpicks, etc. to recalibrate the screen. Damage may result.