Software Field Upgrade Guide

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BETA SOFTWARE FIELD UPGRADE GUIDE

This manual provides comprehensive installation procedures for the Mark VII AquaJet WashTeller software.

If further assistance is needed, please contact the distributor from which the product was purchased.

When calling for assistance, you must have the following information available:

Serial Number: _____

Distributor Name: _____

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1 Overview

1.1 Perform System Backup

Prior to upgrading the software, it is highly recommended that you generate a hard copy of your site-specific information. This will make it much easier to reprogram your system in the event of data corruption or loss.

Note:
Only qualified technicians should perform the following installation procedures.

The following reports will be required to reprogram your system: Accounting report, Credit Transaction History, Fleet Account report, Configuration report, Pass code/Pass card report and, if the Paging option is installed, a Pager number report. For information on generating these reports, refer to the WSII Speedpass Operating Manual.

1.2 Field Installation Parts List

The Field Installation kit will consist of the following components:

- 1 MK7WT2 Version 4.71 Upgrade Chips

- 1 WSII Version 1.8 PIC Chips

- 1 POS4000 Version 8.00 Upgrade Chip

1.3 Installation Overview

The installation process consists of removing the coin hopper and CPU cover guard, disconnecting the power, upgrading the software. When you have accomplished this, you will need to replace the CPU cover guard and the coin hopper. The following section provides detailed procedures for each step of this process.

Warning:
All equipment alteration, upgrades, or service should be performed by trained technicians.

Power must be disconnected from the unit prior to performing this installation.

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2 Upgrade System Software

2.1 Perform System Backup

Print the following reports:

- Accounting report
- Fleet Account report
- Configuration report
- Pass code/Pass card report
- Pager number report
- Credit Transaction History

2.2 Preparation

Prior to upgrading the software, you will need to remove the coin hopper and the CPU cover.

1. Power off the WSII.
2. Remove the Coin Hopper.
3. Remove the protective plastic cover from the inside, right-hand wall of the case. This cover is held in place by two wing nuts and three 5/16" hex nuts.
4. Disconnect the power cable.

2.2.1 Install the EPROM Chip

1. Remove the existing EPROM located at connection U58 on the CPU board (see Figure 1) by inserting a small flat-blade screwdriver between the EPROM and the socket and prying it off. Be careful not to damage the socket or the circuit board.
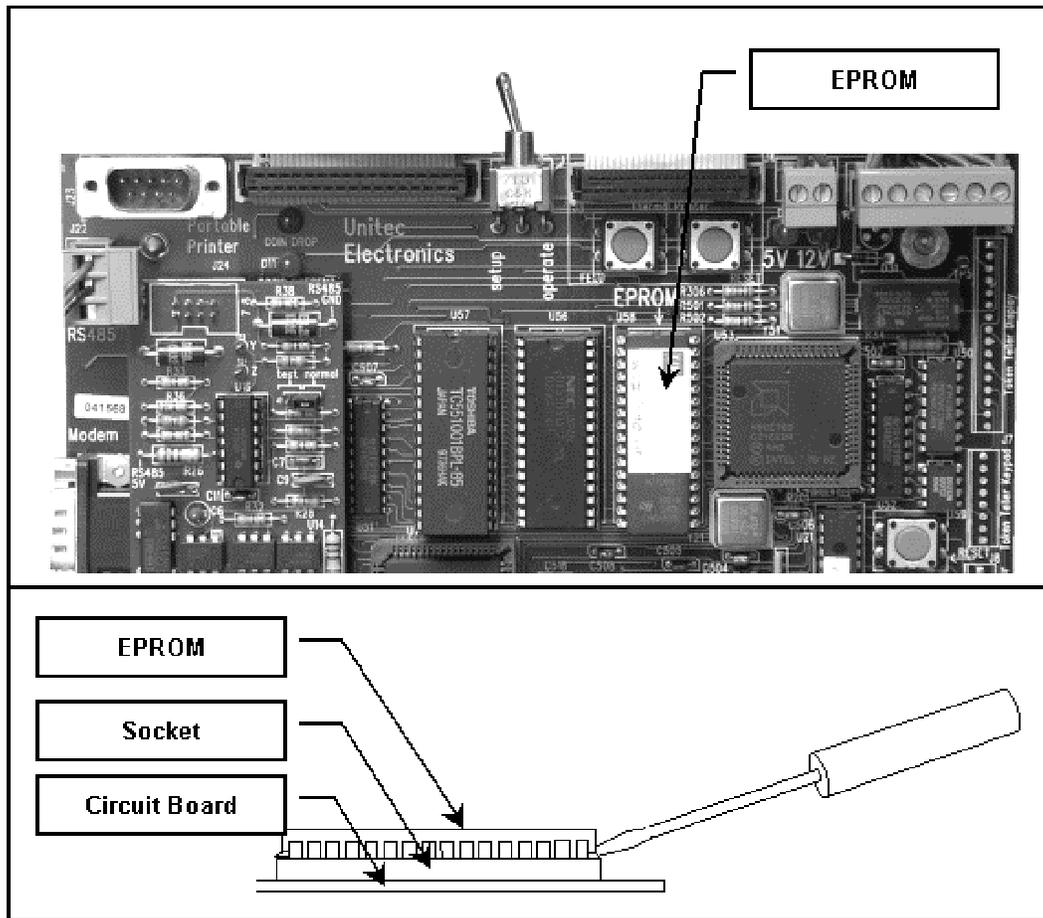
Figure 1. Locating and Removing the EPROM

2. Insert the new EPROM into the socket on the board. Chip pins may need to be adjusted to fit into the socket. Use the following procedure to adjust the pins:

    ▪ Lay the chip on its side with the pins facing away from you.

    ▪ Gently rock the chip away from you to bend the pins.

    ▪ Lay chip on its other side and rock it away from you.

    ▪ Repeat the above steps, alternating sides of the chip, until pins are at approximately a 90-degree angle and line up in the socket.

3. The notched end of the chip goes up. There is a silk-screened image on the CPU board you can use to line up the notch correctly. This image is labeled EPROM.

4. Push the EPROM chip in gently; do not force it, as you may cause damage to the chip or the CPU board.

Caution:
Take care not to damage any pins when installing chips.

2.3 Install the PIC Chip

1. Remove the existing PIC chip located at connection U21 on the CPU board (see) using a chip puller, or by using the same procedure used to remove the EPROM (see Section 2.2.1).

Figure 2. PIC Chip Location

2. Insert the new PIC chip into socket U21. Follow the same procedures used to install the EPROM (see Section 2.2.1).

2.4 Install the POS EPROM

Warning:

Depending upon the version of software that is currently in the console, this procedure will delete ALL configuration information, including all codes, fleet accounts, and accounting information. All setup configurations will be reset to factory defaults. To properly facilitate reprogramming this information you should print the following reports BEFORE proceeding.

- System configuration
- Pricing report
- Fleet accounts
- Accounting reports (those that are used)
- Message configuration

Perform the following steps to change console software (EPROM):

1. Disconnect all cables to the console

2. Remove the plastic housing. To do this you must remove 2 screws from the rear and 2 screws from the bottom of the unit.

3. The upper chassis must be partially removed. Remove the middle and front screws along the side of the metal chassis. Loosen the rear two screws on each side of the chassis. This will allow the top piece to open up revealing the main circuit board.

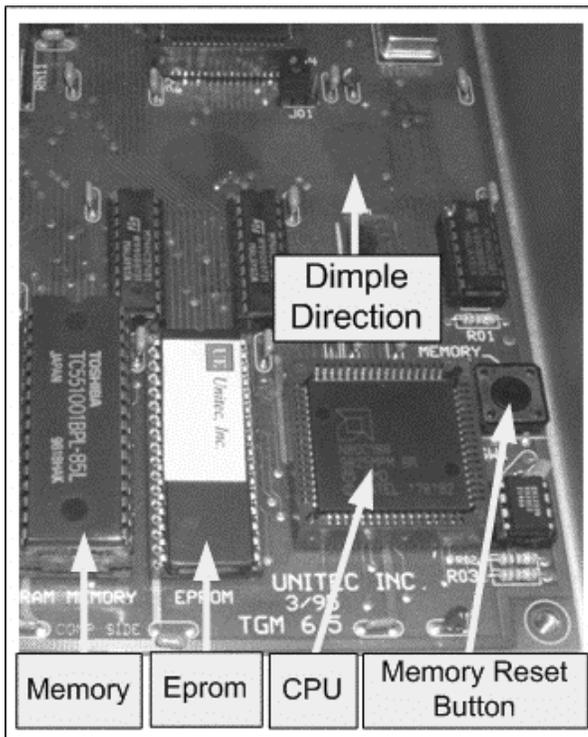4. Find the EPROM chip, as indicated below:

Figure 3. POS4000 EPROM Location

The EPROM chip has a small window on the top surface that may or may not be covered with an adhesive label.

5. Carefully remove the EPROM chip from the socket. Use a small flat head screw driver or an IC remover. **Be careful to pry the chip from the socket and not the socket from the board**.

6. Carefully install the new EPROM into the socket. Make sure that the Dimple on the chip is facing the same direction as it was before (refer to previous drawing). Also, make sure that pins can be properly inserted into the sockets without bending. **Caution:** Take care not to bend any pins when installing chips.

7. Reconnect the power and printer connections and turn on the unit. After the unit is powered up, you MUST then press the **MEMORY RESET BUTTON** to reset the system. After pressing the reset button, the display will prompt you to press 99 or 55. Press 55. Reset the system two more times. If your system previously contained standard version TG648 and above or Unicam version 656 and above, then the codes and messages should be retained.

8. Replace all screws and plastic cover. Connect all other cables previously attached.