EPC-15 Container Firmware Chip Installation

⚠ **WARNING:** Allow only qualified personnel to perform the following tasks. Follow the safety instructions in this document and all other related documentation.

Kit Contents

The EPC-15 Container firmware chip kit, part 1047694, consists of these items:

- Firmware chip
- Chip removal tool
- Grounding wrist strap
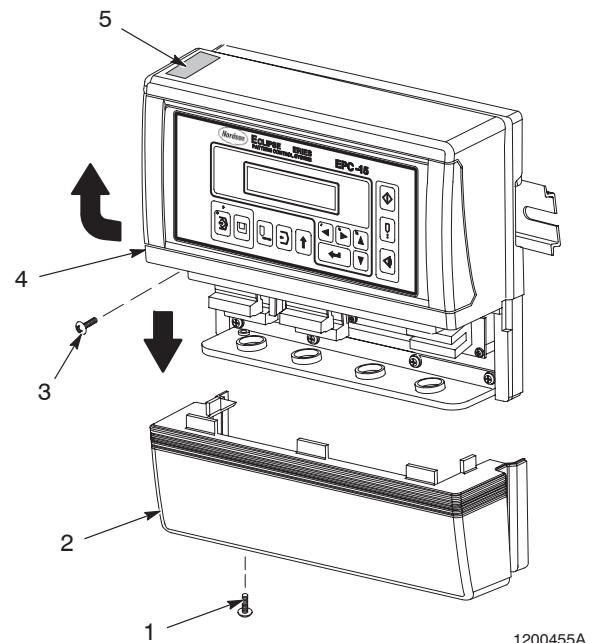- Firmware identification label

The firmware chip contains the software necessary to use the EPC-15 Eclipse Series pattern controller with a container coating system.

Installation

⚠ **WARNING:** Disconnect and lock out power before performing the following tasks. Failure to observe this warning could result in equipment damage, personal injury, or death.

1. See Figure 1. Remove the three screws (1) securing the lower housing (2) to the controller.

2. Pull the lower housing down to disengage its tabs from the controller and remove it.

3. Remove the two screws (3) securing the upper housing (4) to the controller. Swing the upper housing up.

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Figure 1   Removing the Upper and Lower Housings

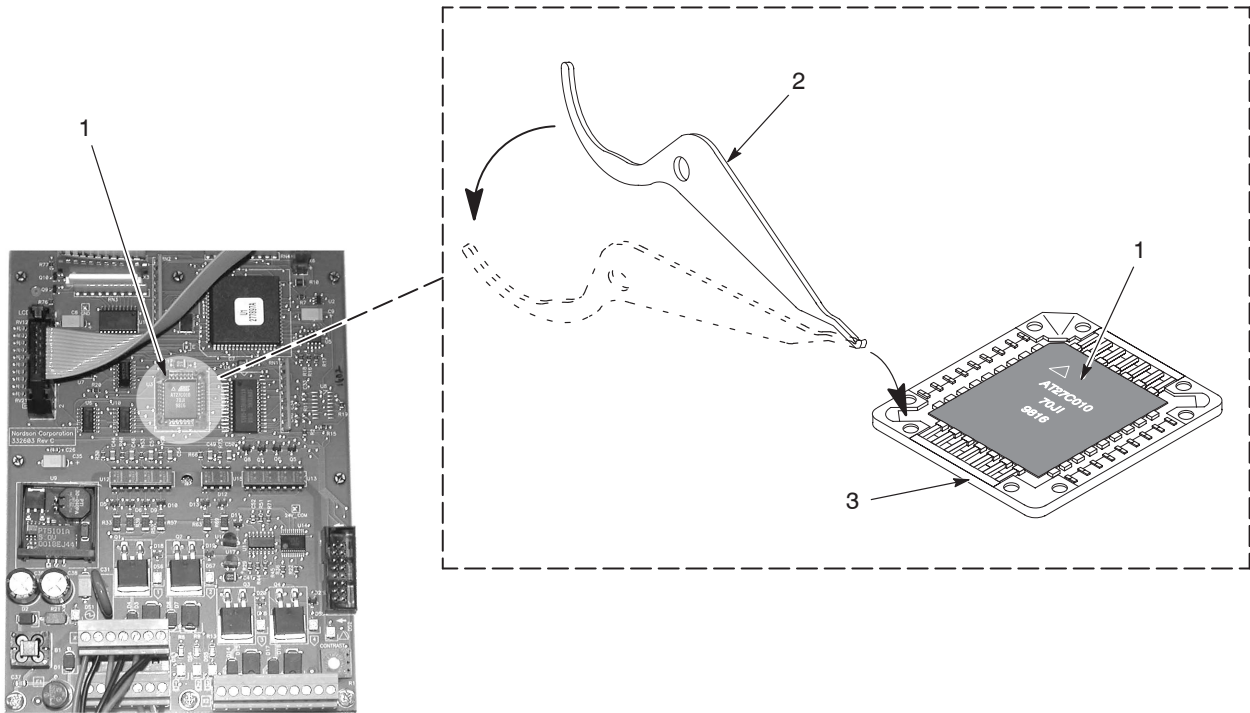|	
1. Screws (3)	4. Upper housing
2. Lower housing	5. Firmware identification label
3. Screws (2)	

Note: The firmware identification label is included with the service kit.

Installation *(contd)*

CAUTION: Static sensitive devices. Put on the supplied grounding wrist strap and secure it to a true earth ground before touching any internal components of the EPC-15 controller or handling the new firmware chip.

4. See Figure 2. Locate the existing firmware chip (1) on the main control board. Use the supplied chip removal tool (2) to carefully remove the chip from the socket (3):

a. Insert the small, hooked end of the tool into the extraction slot in the lower left corner of the socket. Carefully push the the tool into the slot until it bottoms out.

b. Carefully push the large, hooked end of the tool down until the chip pulls out of the socket.

c. Remove the tool from the socket. Repeat steps a and b in the slot on the upper right corner of the socket.

d. Lift the chip off the board.

5. Remove the new firmware chip from its packaging. Orient the new chip as illustrated and carefully push it into the socket.

6. Install the upper and lower housings.

7. See Figure 1. Place the supplied firmware identification label (5) on the top, left side of the upper housing as illustrated.

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Figure 2   Firmware Chip Removal and Installation

1. Firmware chip   2. Chip removal tool   3. Socket

Note: The firmware chip and chip removal tool are included with the service kit.