

Sure Coat[®] Manual Gun Controller Software Upgrade

1. Introduction

The PLCC chip must be replaced for software upgrades to the Sure Coat manual gun controller. The PLCC chip is located on the controller board.

The removal of this chip requires a replacement kit described in the *Parts* section.

2. Installation



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

Install the new PLCC chip as follows:

1. Make sure that power is turned off to the system.
2. Remove the wrist strap from the replacement kit.
3. Place the wrist strap loop around your wrist and pull snug.
4. Locate a flat, clean, work area with a clean bare grounding surface.
5. Attach the pressure sensitive adhesive strip of the wrist strap to the clean bare grounding surface.
6. Place the controller within reach of the wrist strap length.
7. [See Figure 1](#). Remove the keypad module (1) from the front of the controller.
8. Place the keypad facing down on the work area.

NOTE: The controller board (2) is facing up.

2. Installation (contd.)

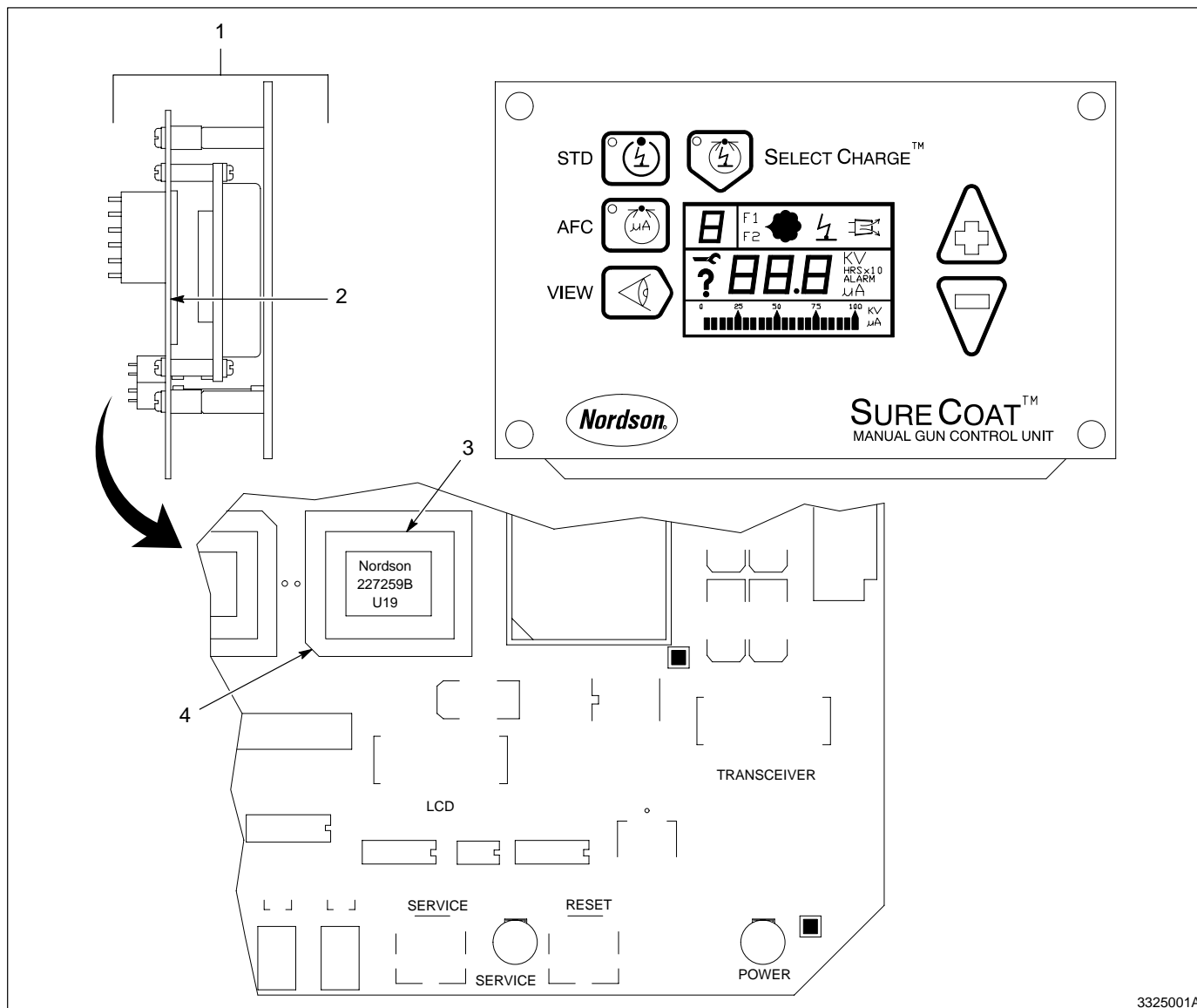


Fig. 1 Controller board location

- 1. Keypad module
- 2. Controller board
- 3. PLCC chip
- 4. Pin 1

9. Remove the amp chip extractor tool and amp extraction instruction sheet from the replacement kit.
 10. Read and follow the amp extraction instruction sheet for using the amp extraction tool to remove the PLCC chip U19 (3).
 11. Remove the new PLCC chip from the anti-static bag in the replacement kit.
 12. Orientate pin one (4) on the chip with pin one on the socket.
 13. Support the center of the PCB at the edges with your fingers and apply pressure with your thumbs to the top of the chip to press into place.
 14. Remove the label from the anti-static bag showing the new PCB part number and apply it over the old label located on the back of the controller board.
- NOTE:** The purpose of the new label is to track the board revision.
15. Attach the keypad module to the front of the controller.

3. Parts

Part	Description	Quantity	Note
307 916	Replacement kit	1	
227 259	• EPROM, programmable	1	
303 846	• Instruction, PLCC	1	
143 958	• Strap, ground	1	
239 235	• Conn accy, tool	1	

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