



# ***EPROM REPLACEMENT***

## **96XX SINGLE-CASSETTE DISPENSING MECHANISM**

VERSION 1.0

TDN 07103-00097 03/01

**CORPORATE HEADQUARTERS:**

522 E. Railroad Street  
Long Beach, MS 39560  
PHONE: (228) 868-1317  
FAX: (228) 868-0437

**RMA (RETURN MATERIAL AUTHORIZATION)**

**RETURN ADDRESS:**

21405 B Street  
Long Beach, MS 39560

**COPYRIGHT NOTICE**

Copyright © 2001 Triton Systems , Inc. All rights reserved. No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any human or computer language, in any form, by any means whatsoever, without the express written permission of Triton Systems, Inc.

# EPROM REPLACEMENT

## 96XX SINGLE-CASSETTE DISPENSING MECHANISM

PARTS SUPPLIED		RECOMMENDED TOOLS	
1	EPROM, PN 09130-00209	1	CHIP PULLER
		1	ESD WRIST STRAP

### IMPORTANT

Put on your grounded wrist strap BEFORE performing the Eprom removal/replacement steps! See the section "Wrist Strap Ground Connection" on page 4 for more information.

### FOLLOW THESE STEPS TO REPLACE THE DISPENSER MECHANISM EPROM.

1. Unlock and open the control panel. Turn the power switch on the card cage to the OFF (0) position.
2. Close but do not lock the control panel.
3. Unlock and open the security cabinet fascia panel.
4. Unlock and open the security cabinet door.
5. Pull the dispenser slide tray out to its fully extended position.
6. Disconnect the power and data cables from the rear of the dispensing mechanism, as shown in Figure 1.



Figure 1. Remove power and data cables from mechanism control board.

7. Remove the wing nuts that secure the front of the mechanism chassis to the slide tray. Lift the mechanism slightly at the front, to clear the two front tabs.
8. Lift the mechanism away from the slide tray, as shown in Figure 2, and move it to a flat, level surface.



Figure 2. Lift mechanism from slide tray.

### IMPORTANT

**When moving the mechanism it is important to grasp the unit at the front and rear, as shown in the figure. Maintain a two-handed grip on the mechanism as you move it about!**

9. Remove the existing eprom chip from the mechanism control board. Two methods of removing the chip are provided here. Use the first method if a chip puller tool is available. If a chip puller is not available, use the alternative procedure.

**Recommended Procedure.** Locate the existing Eprom chip, shown in Figure 3. Grasp the chip with a chip puller tool and pull straight away from the socket to remove the chip, as shown in Figures 4 and 5.

# EPROM REPLACEMENT

## 96XX SINGLE-CASSETTE DISPENSING MECHANISM



Figure 3. Locate original Eeprom chip.

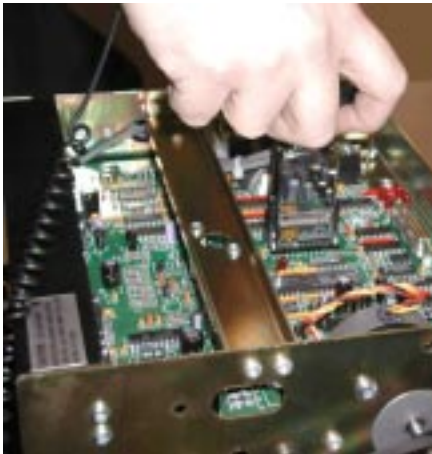


Figure 4. Attaching chip puller tool to Eeprom.



Figure 5. Remove old Eeprom from socket.

**Alternative Chip Removal Procedure.** Place the tip of a small screwdriver between the chip and its socket, and twist the tip slightly to begin lifting the chip from the socket.

Move the tip of the screwdriver to the opposite end of the chip and repeat. By alternating sides and lifting the chip a small amount each time, you will eventually release the chip from its socket. At this point, carefully remove the chip from the socket.

10. Install the new eeprom chip. Take the new EPROM and place it lightly on the chip socket, ensuring that the half-circle notch on the chip is positioned to the top of the socket, near the horizontal supporting strut, as indicated in Figure XX. Align the pins of the chip with the insertion holes of the socket. If the pins do not line up with the holes, refer to the important note, below:

**IMPORTANT:** It may be necessary to bend the pins on one or both edges of the chip inward very slightly to achieve this alignment. To do this, place the pins on one side of the chip on a flat surface and apply mild pressure to bend the pins by angling the top edge of the chip toward or away from you, as appropriate.

Check the alignment of the pins with the socket as before. If necessary, bend the pins on the opposite edge of the chip using the same technique.



Figure 6. If necessary, bend pins on new Eeprom to help insertion.

## EPROM REPLACEMENT

### 96XX SINGLE-CASSETTE DISPENSING MECHANISM

11. Once the pins of the chip line up with the socket holes, insert the chip into the socket by applying an even pressure to the chip to seat it firmly in the socket. Make sure the chip is oriented properly (notch on top). Make sure the pins are inserted correctly and that none are bent. See Figures 7 and 8.



Figure 7. Align Eprom pins with socket holes.



Figure 8. Press Eprom into socket.

12. Lift the mechanism and carefully place it back on the slide tray. The mechanism should slide under the two tabs in the rear, and the front edge slots should align with the two bolts in the slide tray.
13. Replace the wing nuts and tighten them down to secure the mechanism to the slide tray.
14. Re-connect the power and data cables that were removed previously.
15. Slide the mechanism back into the security cabinet.
16. Close and lock the security cabinet door.

17. Close and lock the fascia panel.

18. Open the control panel.

19. Turn power ON (I) to the ATM.

20. Close and lock the control panel. The procedure is complete.

### WRIST STRAP GROUND CONNECTION

**Connect the wrist strap grounding cord to a solidly grounded point!** Once such point is the pneumatic piston slide rail within the control panel hood. Open the control panel hood to gain access to the slide rail, as shown in Figure 9.

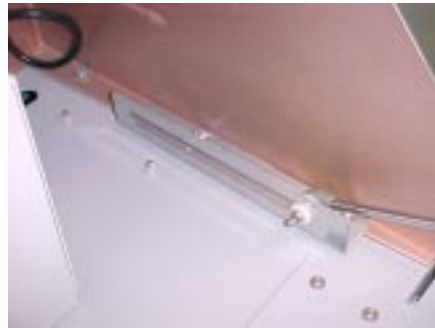


Figure 9. Suggested grounding point on Pneumatic Piston Slide Rail.

You can use an alligator clip adapter (provided in most ESD safety kits) to connect the cord to the slide rail, or to some other convenient grounding point.

Ensure the cord is long enough to allow you to work on the mechanism once it has been removed from the ATM security cabinet. **The wrist strap grounding connection must be maintained at all times during the Eprom removal and replacement procedures.**