

SECURE PIN ENTRY DEVICE
(SPED)
KEYPAD UPGRADE
FOR MODEL 96XX CASH DISPENSERS

VERSION 2

TDN 07103-00087 2/00

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96XX SPED KEYPAD UPGRADE

PARTS SUPPLIED		REQUIRED TOOLS/EQUIPMENT	
1	SPED KEYPAD	1	MEDIUM PHILLIPS SCREWDRIVER
2	5/32" SHAFT RETAINER CLIP		

WARNING!

TO AVOID DAMAGE: DO NOT REMOVE THE INSULATING PAPER SLIP FROM THE BATTERY HOLDER UNTIL THE SPED MODULE IS INSTALLED AND POWER IS APPLIED! Once the paper slip has been removed from the battery holder, the battery should remain connected at all times!

REMOVING THE MAIN KEYPAD PCB ASSEMBLY

The Main Keypad PCB Assembly is located on the back of the Front Panel. Replace the Main Keypad PCB following the procedure listed below:

1. Unlock and open the Top Enclosure of the Cash Dispenser. Turn off the AC power to the terminal by pushing the AC power switch to the OFF (0) position.
2. The Main Keypad is located just below the display mounting bracket on the back of the Front Panel (See Figure 1). It's mounted directly to the back of the front panel with 4 screws and washers.
3. Disconnect the cables from the following connectors on the Main Keypad PCB Assembly (See Figure 2):

J1 - Cable 9600-0001 (4-Key Keypad - EFGH)	J6 - Cable 9600-0003 (Monochrome Display only)
J2 - Cable 9600-0001 (4-Key Keypad - ABCD)	J7 - Cable 9600-0004 (Color Display only)
J3 - Cable 9600-0008 (Printer Communications)	J8 - Cable 9600-0005 (Inverter)
J4 - Cable 9600-0007 (Card Reader)	J9 - Cable 9600-0006 (Speaker Assy)
J5 - Cable 9600-0009 (Printer Reset)	P6 - Cable 9600-0010 (Backplane-to-Main Keypad)
4. Remove the 4 screws and washers that secure the Main Keypad PCB Assembly to the back of the front panel and remove the keypad from the terminal. Retain the Rubber Keypad for use with the replacement board.

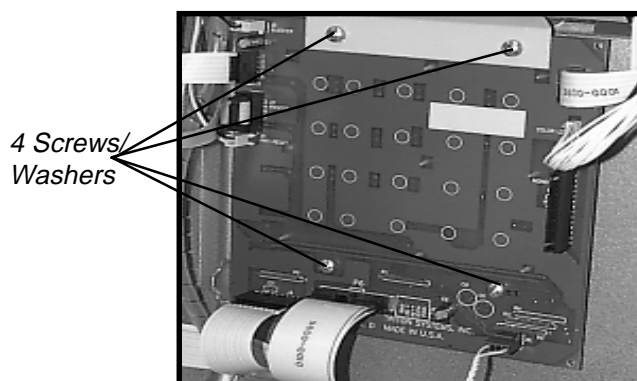


Figure 1. Main Keypad.

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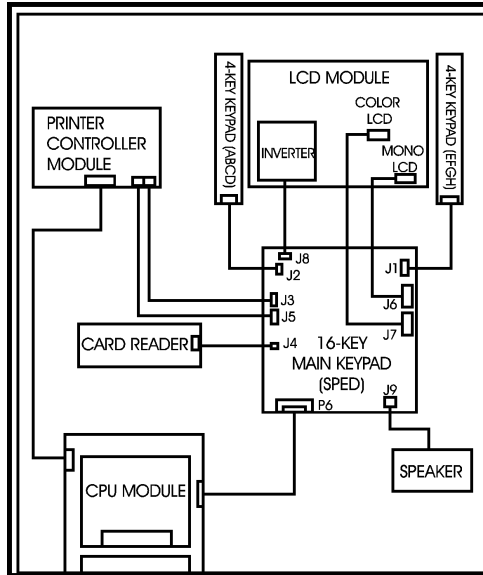


Figure 2. Main Keypad Interconnect.

INSTALLING THE SPED KEYPAD PCB ASSEMBLY

5. Ensure that the replacement SPED Keypad PCB Assembly has an insulating paper slip between the battery and the battery-holder clip! This paper slip acts as an insulator, and enables the battery to maintain a full charge until ready for use. This paper slip should only be removed once AC power has been turned on to the terminal.

WARNING!

TO AVOID DAMAGE: DO NOT REMOVE THE INSULATING PAPER SLIP FROM THE BATTERY HOLDER UNTIL THE SPED MODULE IS INSTALLED AND POWER IS APPLIED! Once the paper slip has been removed from the battery holder, the battery should remain connected at all times!

6. Place the Rubber Keypad on the replacement board, ensuring it is oriented correctly (see Figures 3a and 3b), and line up the rubber cleats on the back surface of the keypad with the corresponding holes in the SPED board, as shown in Figure 3c. Pull the rubber cleats through the matching holes in the board, as shown in Figure 3d, ensuring the keypad is flush with the surface of the SPED board.

IMPORTANT!

Make sure the Rubber Keys are oriented correctly for installation into the Front Panel. See Figure 4a.

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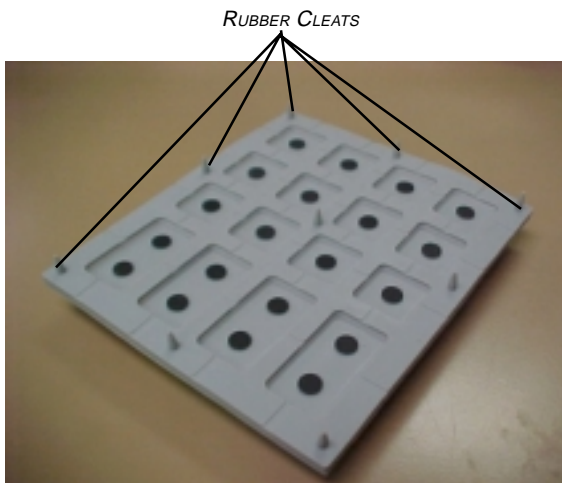


FIGURE 3a. RUBBER KEYPAD CLEATS.

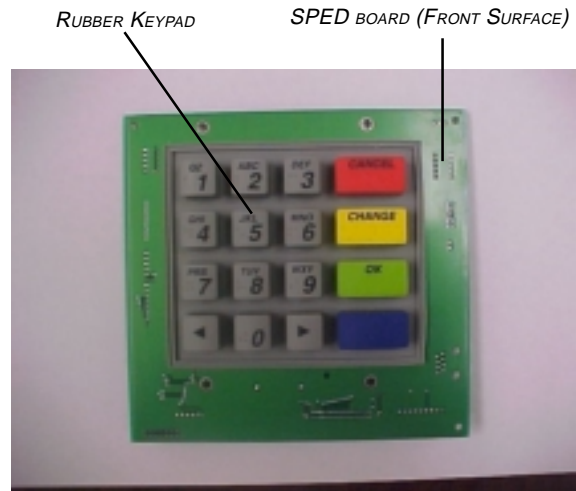


FIGURE 3b. RUBBER KEYPAD PLACEMENT.



FIGURE 3c. ALIGNING CLEATS WITH HOLES IN SPED BOARD.

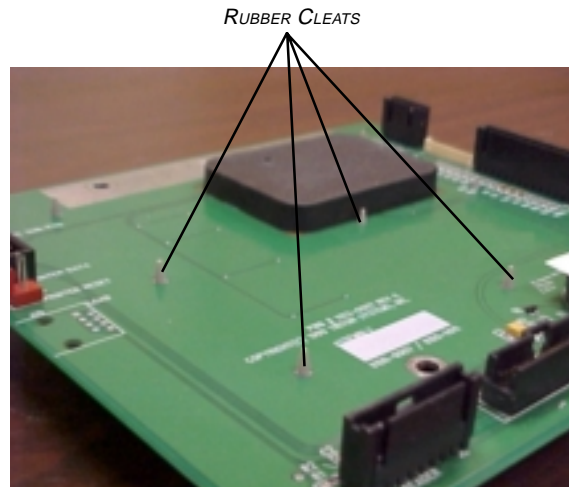


FIGURE 3d. CLEATS PULLED THROUGH SPED BOARD.

IMPORTANT!

Use the two Retainer Clips (provided) to hold the two bottom mounting screws to the SPED Keypad PCB. These clips must be between the SPED Keypad PCB and the Cash Dispenser front housing when the board is installed! See Figures 4a and 4b.

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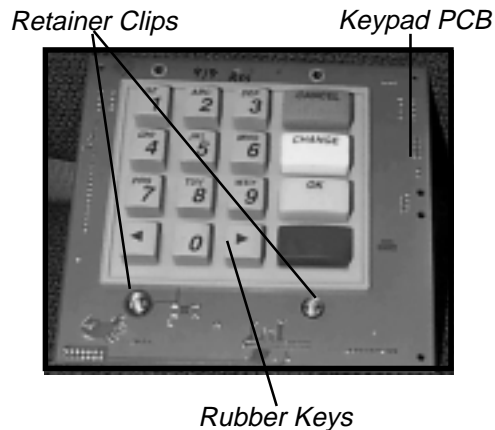


Figure 4a. Retainer Clips Installed on Bottom Keypad Mounting Screws.

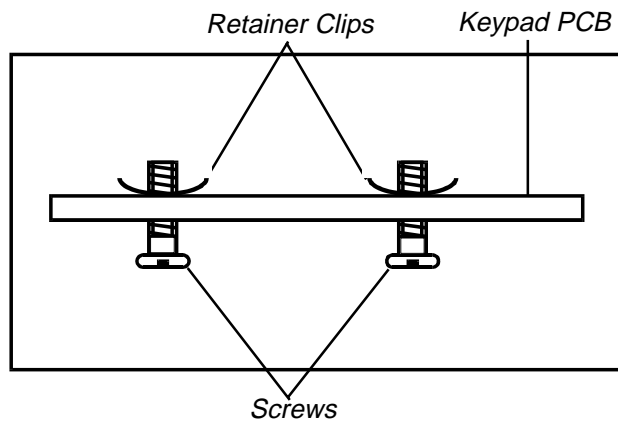


Figure 4b. Retainer Clips Installed on Bottom Keypad Mounting Screws.

7. Install the SPED Keypad PCB Assembly and secure in place with the 4 screws and washers removed in Step 4. Use the two Retainer Clips to hold the bottom mounting screws to the SPED board, as shown in Figure 4a.
8. Reconnect the cables that were disconnected in Step 3.
9. Check the terminal Eprom version number and confirm that it is version **SD02.03** or higher. If it is not, replace the Eprom using procedures in EPROM Upgrade Instructions (Triton Part Number 07103-00076).

IMPORTANT!

Ensure the ATM software and Eprom in use on your terminal supports the SPED module! See the section, "Software Support for SPED" on the page 6 for a table that lists software and Eprom versions that support SPED. The section "Checking Your Software Version" on page 6 provides instructions on determining the software version in use on your terminal.

10. **TURN ON POWER TO THE CASH DISPENSER**, wait until the audible BEEP is heard, or the display shows "PLEASE WAIT", then **REMOVE THE SLIP OF INSULATING PAPER BETWEEN THE BATTERY AND THE BATTERY HOLDER CLIP**.
11. Close and secure the Top Enclosure. If not already accomplished, load the applicable version of ATM operating software that provides support for the SPED module (see "Software Support for SPED" on page 6 for details). Be sure to enter the appropriate ENCRYPTION KEYS, by injection, download, or manual entry (as appropriate), using your processor requirements and the applicable instructions in the terminal Operations Manual.
12. Place the terminal back in operation to perform customer transactions.

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SOFTWARE SUPPORT FOR SPED

The table below, **96XX SPED SUPPORT**, lists the ATM software program versions that enable the use of the SPED module. For each **ATM TYPE** (models 9600, 9615 and 9640), the applicable **PROGRAM VERSIONS** are listed. Note that the version numbers end with a "+" symbol, which indicates that later releases of that particular program version will also support SPED. For example, for model 9600 Cash Dispensers, software program version SA-0200.07 supports SPED. Should your program version be a **higher release** of that program (such as SA-0200.08, if such a version actually existed), that release would also support SPED. As with the program software, **higher-version releases of the Eprom also support SPED.**

96XX SPED SUPPORT								
ATM TYPE	PROGRAM VERSIONS							EPROM VERSION
9600	SA-0200.07+	SA-0201.02+	SA-1100.09+	SA-1300.07+	SA-1301.01+	SA-9904.02+	SA-9907.00+	SD02.03+
	SA-9908.00+	SA-9906.02+	SA-9900.26+	SA-DEMO.10+				
9615	TA-0200.06+	TA-1100.08+	TA-1300.06+	TA-9900.17+	TA-DEMO.09+			
9640	UA-0200.03+	UA-1100.03+	UA-1300.03	UA-9900.05+	UA-9900.16+	UA-9902.00+	UA-9903.00+	

CHECKING YOUR SOFTWARE VERSION

To see the version of program software in use on your Cash Dispenser, follow either of the following procedures:

- If at the Customer Welcome screen, press the <BLUE> and <1> keys simultaneously.
- If at the Management Functions Main Menu, select DIAGNOSTICS. At the Diagnostics Main Menu, select VERSION #'S.

Once the version numbers screen is displayed, note the PROGRAM VERSION number. This is the version of program software currently installed on the Cash Dispenser. Compare the number with the table above to ensure compatibility. *Remember that later releases within the same program family also support SPED.*