



# **T7 PCI-EPP CONVERSION FIELD UPGRADE PROCEDURES (MODELS RL/FT5000/RL/RT2000)**

TDN 07103-00184 REV B 08/2008

## **CORPORATE HEADQUARTERS:**

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

## **COPYRIGHT NOTICE**

© 2008 Delaware Capital Formation, Inc. All Rights Reserved. Triton Systems of Delaware, Inc. is an operating company of Dover Electronics, Inc., a subsidiary of Dover Corporation (NYSE-DOV). DOVER, the DOVER logo and the Dover family of marks and TRITON, the TRITON logo and the Triton family of marks are registered trademarks of Delaware Capital Formation, Inc., a wholly owned subsidiary of Dover Corporation.

# T7 PCI-EPP CONVERSION PROCEDURES

## INTRODUCTION

This guide covers the steps for converting any Triton 32-bit unit (RL/RT2000, RL/FT5000) that has either a T1 VISA® Encrypting PIN Pad (VEPP) or a T5 PCI-certified EPP installed with a Triton T7 PCI-certified EPP. These procedures include a list of tools, hardware, and software requirements for the conversion.

## SCOPE

These procedures apply to all Triton certified service personnel involved in the process of maintaining or converting Triton ATMs.

TOOLS REQUIRED		
Phillips Screwdriver (Magnetic)		
<b>T7 PCI-EPP UPGRADE KITS</b> (Models RL/RT2000 / RL/FT5000)		
<u>Model RT2000 (only)</u>		<u>All Other Models</u>
06200-08174 (English)		06200-08178 (English)
06200-08175 (French)		06200-08179 (French)
06200-08176 (Dutch)		06200-08180 (Dutch)
06200-08177 (Polish)		06200-08181 (Polish)
PARTS SUPPLIED		
PART NUMBER	DESCRIPTION	QUANTITY
1 03016-50X00	T7 Encrypting PIN Pad Assy -PCI	1
02054-00176	Screw, K40x20, PT Fastener	6
2 03011-05219	SPED Mounting Bracket	1
05200-10033	RL/FT/RT Software CD (includes kit #'s, install guides, software)	1
1 Language specific		2 RT2000 specific

### **\*\* IMPORTANT INFORMATION \*\***

**1 - THE T7 PCI-EPP REQUIRES TERMINAL SOFTWARE LOAD VERSION, MINIMUM, OF 1.8.3 OR HIGHER. IF YOUR TERMINAL HAS A VERSION OLDER THAN 1.8.3 (EX: 1.7.1), REFER TO THE CD SOFTWARE LOAD FILES SPECIFIC FOR YOUR COUNTRY/DISPLAY SIZE. COPY THE SOFTWARE FILES TO YOUR USB STORAGE DEVICE, AND UPDATE THE TERMINAL SOFTWARE.**

**2 - AFTER UPGRADING TO THE T7 PCI-EPP, YOU WILL GET AN ERROR CODE 617, "SPED SERIAL NUMBER CHANGED". THIS IS DUE TO THE EPP BEING REPLACED. TO CLEAR THE ERROR, GO INTO MANAGEMENT FUNCTION > DIAGNOSTIC > KEYPAD > CLEAR SERIAL TAMPER OPTION.**

**NOTE: YOU MUST CLEAR THE SERIAL ERROR BEFORE RE-ENTERING THE KEYS IN KEY MANAGEMENT!**

**3 - YOU WILL HAVE TO RE-ENTER KEYS IN KEY MANAGEMENT (PREVIOUS KEYS ARE STORED IN THE SPED YOU REPLACED).**

**4 - BATTERY REPLACEMENT CAN BE PERFORMED (IF NEEDED) ON THE T7. REFER TO THE LAST PAGE OF THIS DOCUMENT FOR DETAILS.**

## *RL(2000/5000) / FT5000 PCI CONVERSION*

**NOTE:** Before proceeding with the hardware upgrade procedures, terminal power **MUST** be removed. Enter **MANAGEMENT FUNCTIONS > SYSTEM PARAMETERS > SHUT DOWN THE TERMINAL**. When prompted “It is now safe to turn off your computer” on the screen, open the control panel/rear cabinet door and turn the power switch on the power supply to the <OFF> (0) position.

### OVERVIEW

The T7 PCI-EPP is a drop-in replacement for any existing T1 (VEPP) or T5 (PCI-EPP). It accommodates the existing two (2) Function key cables for the T1 or the single Function key cable employed by the T5 (PCI-EPP), as well as the RJ45 Data cable. Refer to the pictures below for cable connectivity.

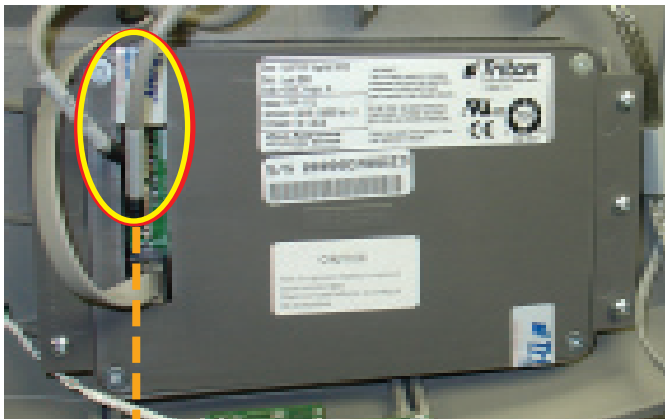
### REPLACEMENT OF THE EXISTING KEYPAD

- Disconnect the existing cables from the EPP (keypad).
- Remove the six (6) screws (phillips-head) that secure the keypad. Remove and replace the keypad with the T7.
- Secure the T7 WITH THE SIX (6) SCREWS INCLUDED IN KIT (K40x20, PT FASTENER SCREW).
- Reconnect the function key cable(s) and data cable to the T7.

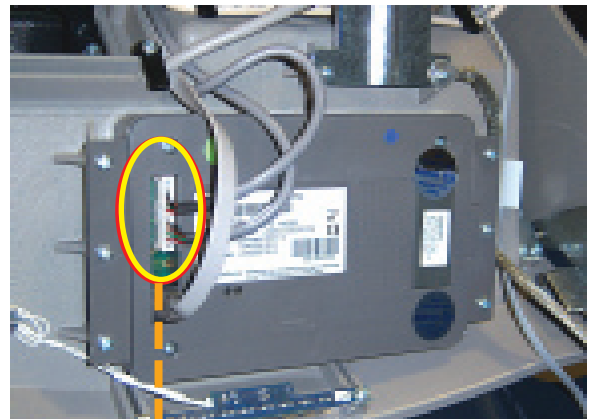
**Note:** If there was a ground wire attached to screw, remember to reconnect.

### **\*\* IMPORTANT \*\***

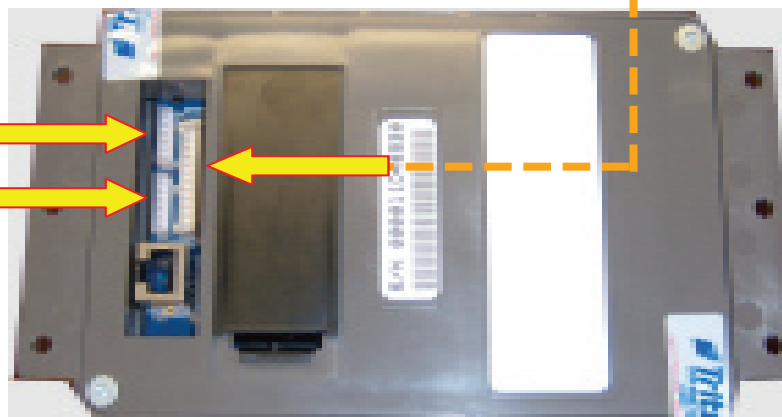
**The K40x20 PT Fastener (included in the kit) should always be used to secure PCI-EPP's with ground wire connections!**



**T1 (VEPP)**



**T5 (PCI-EPP)**



**T7 (PCI-EPP)**

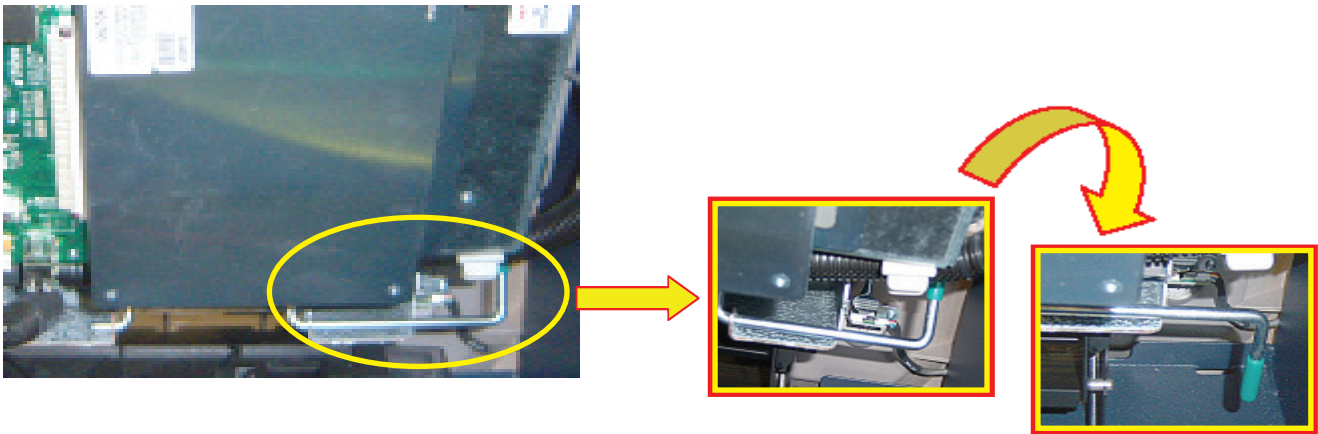
## *RT2000 PCI CONVERSION*

**NOTE:** Before proceeding with the hardware upgrade procedures, terminal power ***MUST*** be removed. Enter **MANAGEMENT FUNCTIONS > SYSTEM PARAMETERS > SHUT DOWN THE TERMINAL**. When prompted “It is now safe to turn off your computer” on the screen, open the rear cabinet door and turn the power switch on the power supply to the <OFF> (0) position.

### OVERVIEW

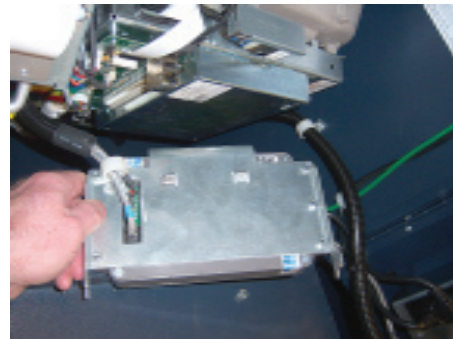
The T7 PCI-EPP is a drop-in replacement for any existing T1 (VEPP) or T5 (PCI-EPP). The RT2000 will require a bracket change (included in kit) if a T1 (VEPP) is replaced with the T7 (PCI-EPP). If the T7 (PCI-EPP) is replacing a T5 (PCI-EPP), the bracket should already be installed.

➤ Open the vault door and slide the dispenser tray back far enough to get access to the Keypad assembly bracket. Locate the **Green** handle that operates the device that secures the keypad (EPP) module into the Control panel. It is located behind and to the right of the lower right corner of the Display assembly. Pull down on the handle to release the EPP module.



➤ Carefully remove the EPP and its mounting bracket. When the assembly is clear of the Control panel, turn it over and disconnect the Function key cable(s) and RJ45 data cable. Remove the EPP module and mounting bracket from the ATM.

**NOTE:** At this time, you may try to remove the 2 Function key cables from the split tubing.

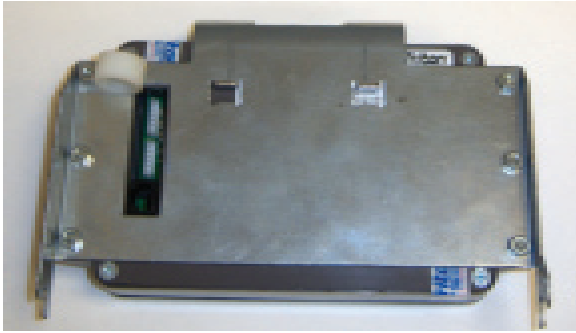


➤ Place the EPP assembly on a flat surface. Remove the six (6) screws/nuts that secure the EPP to the mounting bracket. Retain the screws and cable guide. Both the T7 (PCI-EPP) and the T5 (PCI-EPP) require this new bracket (included in kit) when installed in the RT2000.

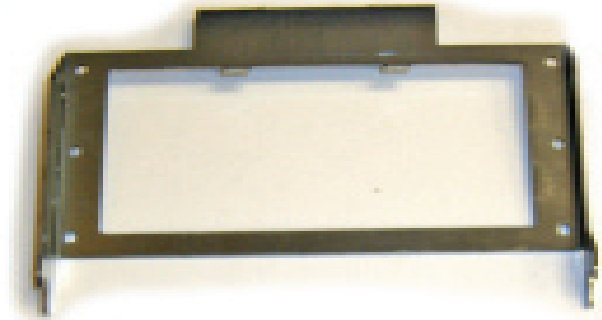
## T7 PCI-EPP CONVERSION PROCEDURES

---

- Mount the new SPED bracket to the T7 (PCI-EPP) as shown below. Secure with the six (6) screws previously removed from old assembly. Remember to reinstall the cable guide.



*VEPP with mounting bracket*



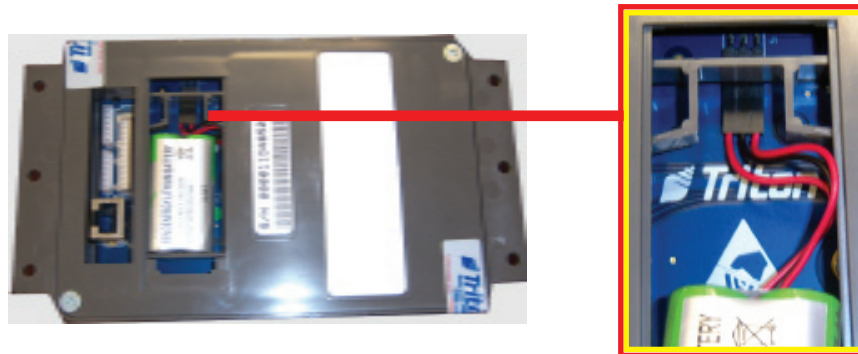
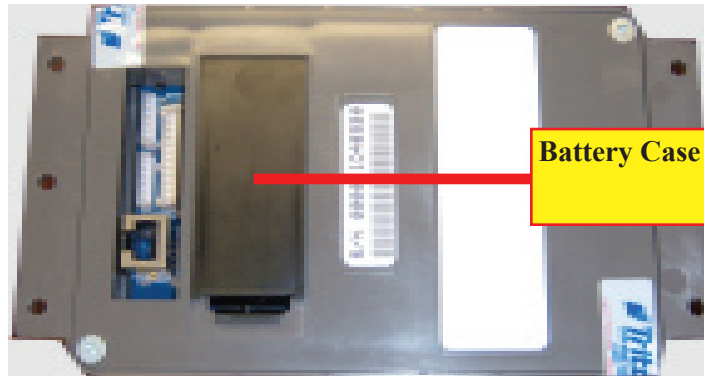
*NEW K12000 EPP mounting bracket*

- Reconnect the Function key cable(s) and data cable (see cable connectivity for other model units previously shown). Route cable through the split tubing down to the SPED connector.
- Move the T7 (PCI-EPP) assembly back into the unit. Turn the assembly over so the keypad is facing up. Slide the assembly back into the Control panel and secure by pulling the Green handle up. Reference previous steps used for removal to reinstall the assembly.
- Slide the dispenser back into the cabinet.

## T7 PCI-EPP BATTERY REPLACEMENT

### **\* IMPORTANT\***

You may remove the battery without risk of damage to the EPP. You have approximately 2-5 minutes to replace with a spare battery before losing the data stored (keys, passwords) in the keypad.



The spare battery for the T7 PCI-EPP may be purchased from Triton Systems:  
**P/N 01300-00023 (T7 PCI-EPP Lithium Battery)**