



SECURITY MODULE UPGRADE

TRAVERSE

TDN 07103-00232 February 27, 2014

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Document Updates

February 27, 2014 Original

Ensure the most up-to-date software is installed on the unit BEFORE proceeding.

INTRODUCTION

PURPOSE

This guide covers the steps for installing a new Security Module (SM). The new module adds additional security to the mainboard to dispenser communications path. These procedures include a list of all tools and hardware necessary for the replacement as well as the steps involved.

SCOPE

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

APPLICATION

This conversion kit applies to the Traverse model ATM. If you have any questions contact Triton Technical Support.

NOTES

SOFTWARE DEPENDENCY

It is unlikely but possible that your unit **will not** recognize the new Security Module with your current software. Please visit the Triton web site (<http://www.Triton.com>) for the latest version, or contact Triton Technical Support.

UNIT CONFIGURATIONS

Due to production, rehab, update, or repair differences, your unit **may vary** in hardware, or, cable color, length, and routing, as compared to the examples given. These instructions are **representative** of the upgrade for each type of unit. Your units **appearance may vary**.

TOOLS

The use of magnetic implements may be helpful in the removal and replacement of some hardware.

KITS

Due to the versatility of the kit, there **will** be parts that are **not** used in your particular unit.

ADDITIONAL NOTES

IT MAY BE BENEFICIAL TO ASSEMBLE THE SECURITY MODULE, CABLES AND BRACKET INTO A COMPLETED ASSEMBLY BEFORE GOING TO YOUR PARTICULAR SITE.

REQUIRED PARTS AND TOOLS

TOOLS REQUIRED	#2 Phillips screwdriver with a 4 inch shank Small flathead screwdriver with an 8 inch shank Side cut pliers USB flash drive Small paperclip (straightened out)
KIT 06200-00189	Traverse with SCDU or HCDU - Advanced Security Module Upgrade Kit

Part #	Description	Qty
09105-80309	FT/RL/Traverse Live- (PPA) Security Module v2.1	1
03011-02109	Security Module Bracket	1
09120-07162	Controller to SM Communication Extension Cable	1
09120-00589	CDU to SM Power Splitter	1
09120-00590	SM to CDU Communication Cable	1
03072-00052	8 inch Ty Wrap	6
02054-00343	Phillips pan head, steel, zinc plated screw, M4x0.7 x 8mm, with split lock washer, with 8mm OD x .8mm thick washer	1
03072-00038	3/4" quick release cable clip	1

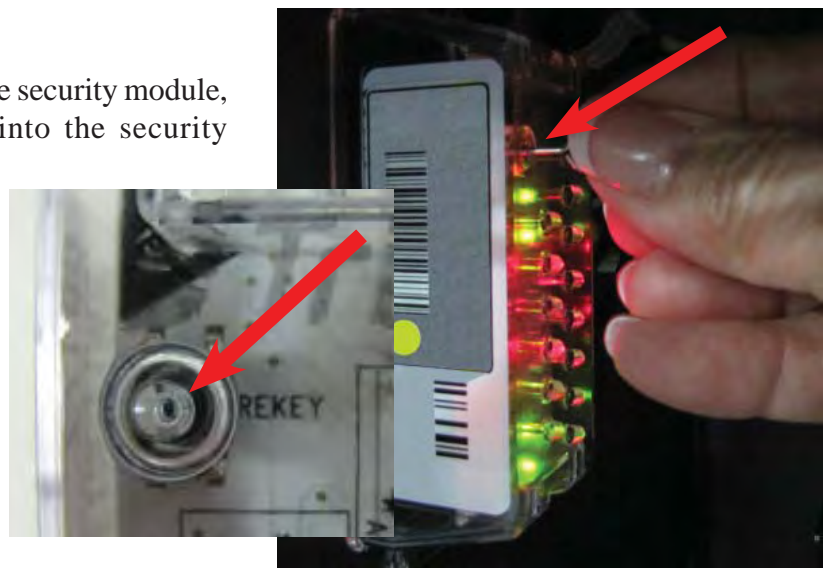
Ensure the most up-to-date software is installed on the unit BEFORE proceeding.

Skip to page 6 and perform the security module installation and cable routing BEFORE completing the “Synchronizing the Security Module...” instructions.

Synchronizing the Security Module to the Mainboard

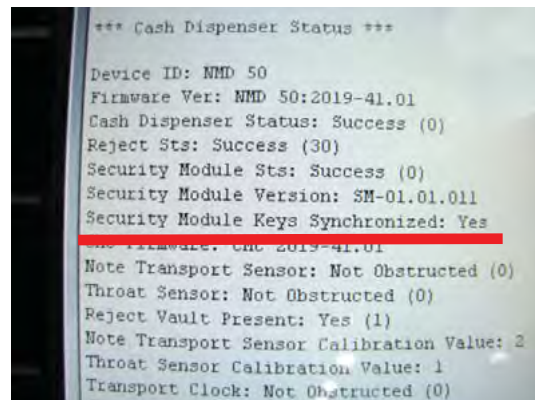
1. Open the upper cabinet and power up the unit by flipping the power switch on the unit’s power supply to the ON position (I).
2. When the unit is powered up completely, press and hold the “blank” key on the keypad and then press the “1” key.
3. Enter your password to log into Management Functions and press ENTER.
4. If applicable, press “0” to navigate to the Main Menu page.
5. On the Main Menu page, press “2” Diagnostics.
6. On the Terminal Diagnostics page, press “4” Dispenser.
7. On the Cash Dispenser Diagnostics page, press “7” Initialize Dispenser.

8. When prompted to initialize the security module, gently insert the paperclip into the security module.



9. Press ENTER on the keypad.
10. When the “Dispenser initialize is complete” screen appears, press ENTER to return to the Cash Dispenser Diagnostics page.

11. Press “1” Cash Dispenser Status. Review the status report to ensure the “Security Module Keys Synchronized” states “Yes”. If “No”, repeat Steps 7 - 11.



12. Press ENTER on the keypad 3 times to exit out of Management Functions. Return the ATM to customer mode.

TRAVERSE UPGRADE

BEFORE PROCEEDING:

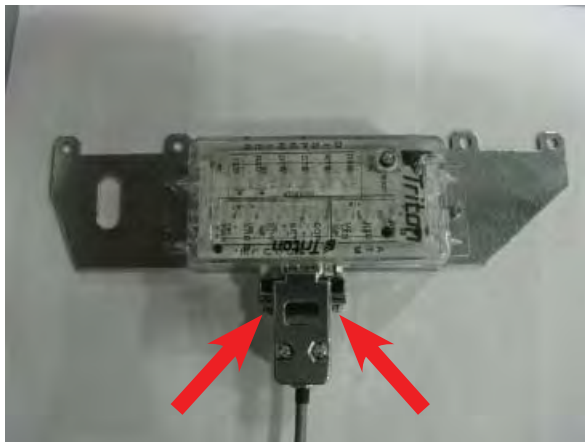
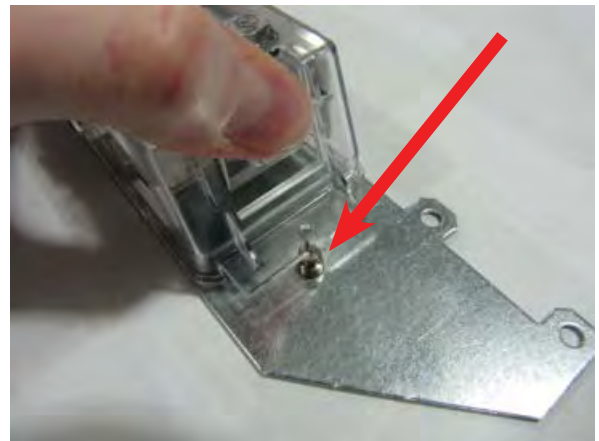
- Ensure all of your Journal Records have been saved to a USB flash drive.
- Perform a proper management function shut down to remove power from the ATM.
- Unlock and open the ATM control panel. Turn the power switch to the OFF (0) position. If possible, unplug the ATM power cord at the wall outlet.
- Open the dispenser area.

Installation

1. Obtain the security module and bracket. Insert the two posts on the bracket into the two notches on the security module.

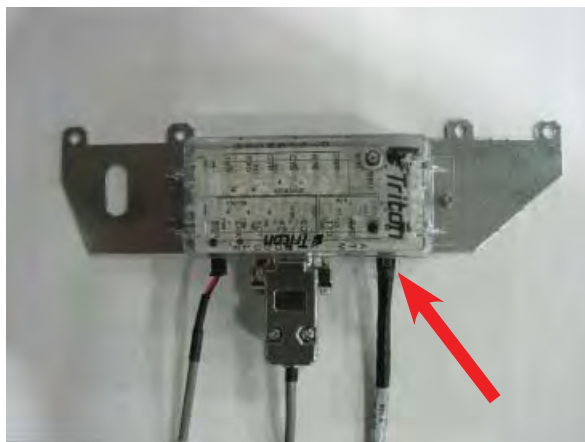


2. Gently push the security module towards the two posts, flexing the plastic ends slightly on both sides, to insert the single post on the bracket into the single notch on the module.



3. Connect the SM to CDU Communication cable to the security module. Secure the cable to the security module by tightening the screws with a small flathead screwdriver.

4. Connect the CDU to SM Power Splitter cable to the security module as shown.



5. Connect the Controller to SM Communication Extension cable to the security module as shown.

For an SCDU dispenser, continue on page 8.

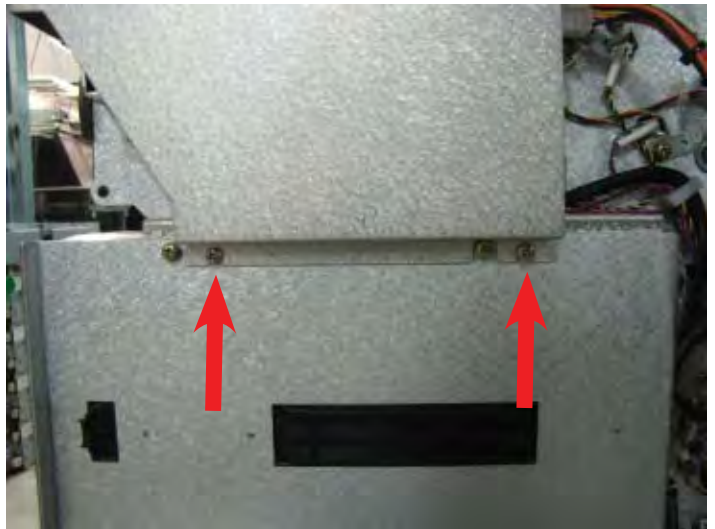
For an HCDU dispenser, skip to page 13.

SCDU

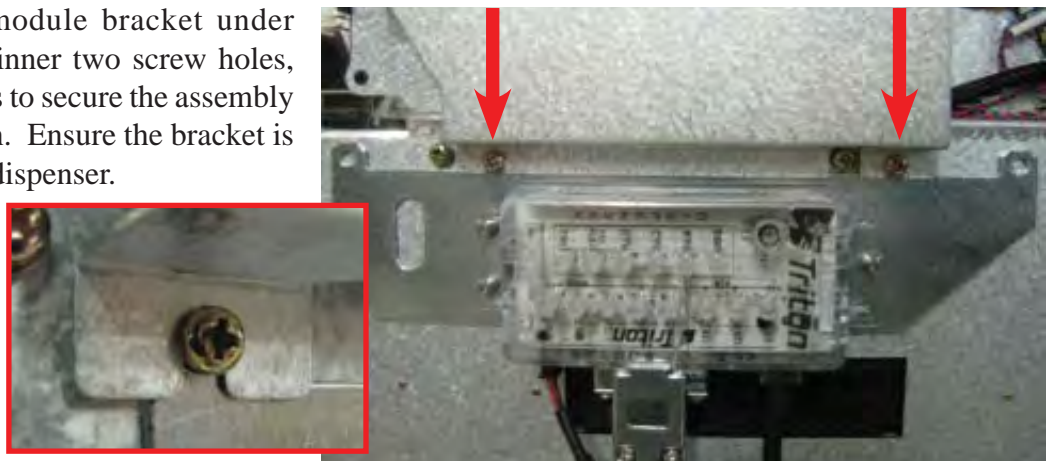
6. Pull the dispenser out to the fullest extension. (picture of SCDU before any upgrades).



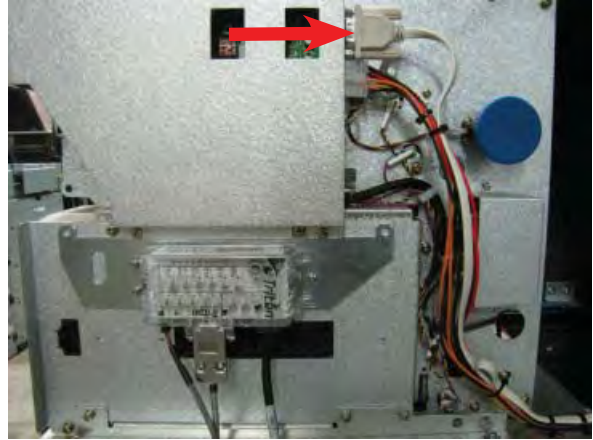
7. Locate the two screws on the bottom of the mainboard cover as shown. Remove the screws and set aside for reinstallation.



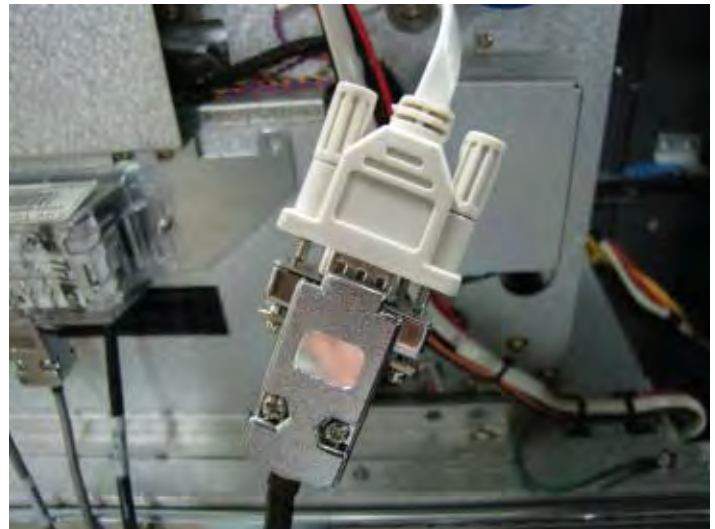
8. Install the security module bracket under the cover. Using the inner two screw holes, reinstall the two screws to secure the assembly and the cover as shown. Ensure the bracket is sitting flat against the dispenser.



9. Unplug the dispenser communication cable by loosening the thumbscrews.



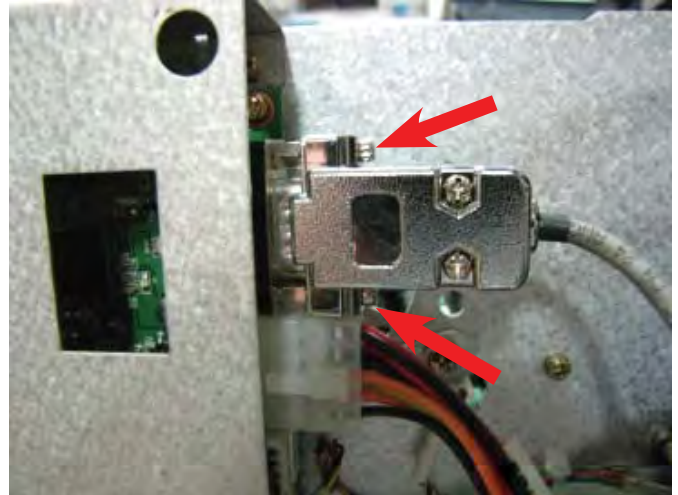
10. Plug the unit dispenser communication cable into the Controller to SM Communication Extension cable as shown.



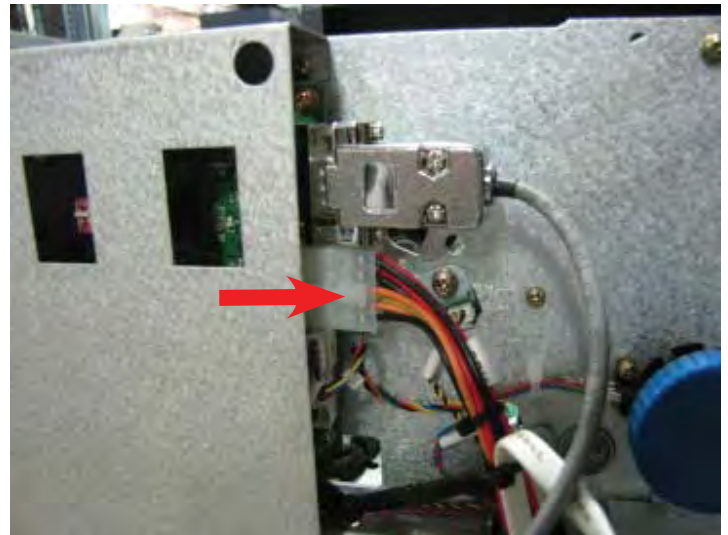
11. Using two TY Wraps, secure the communication data cables together as shown. Cinch the TY Wraps tight and cut off excess TY Wraps.



- 12.** Plug the SM to CDU Communication cable into the dispenser as shown. Using the small flathead screwdriver, tighten the two screws on the cable to secure it in place (arrows).



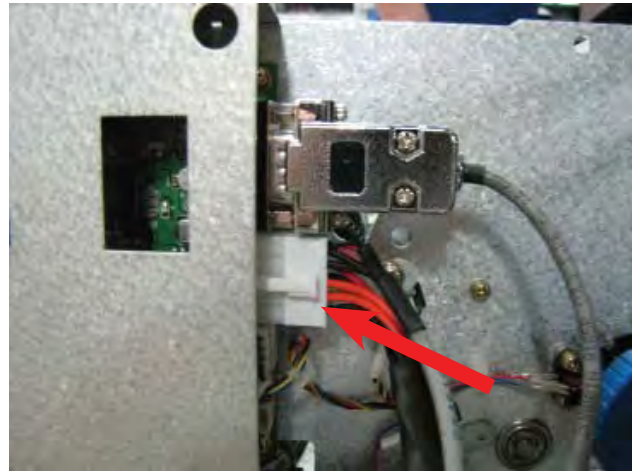
- 13.** Unplug the security module power cable from the dispenser.



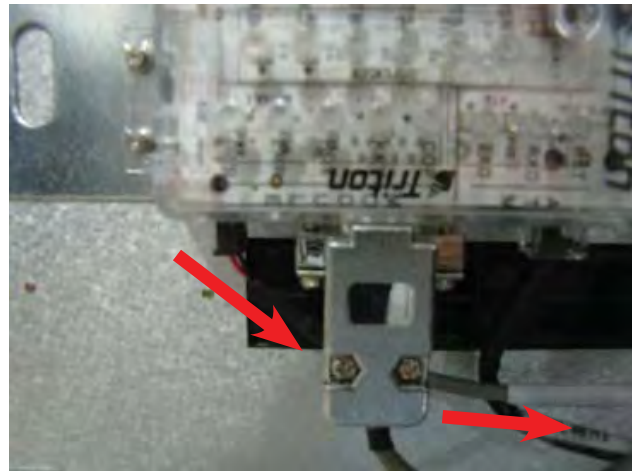
- 14.** Plug the CDU to SM Power Splitter cable into the security module power cable as shown.



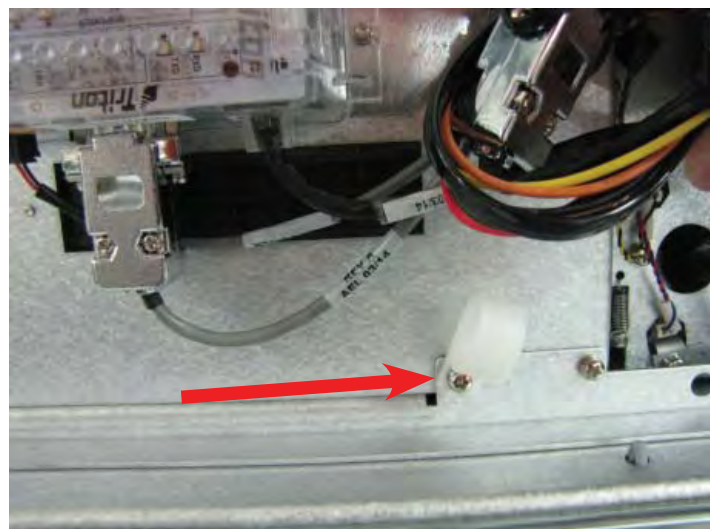
15. Plug the CDU to SM Power Splitter cable into the dispenser as shown.



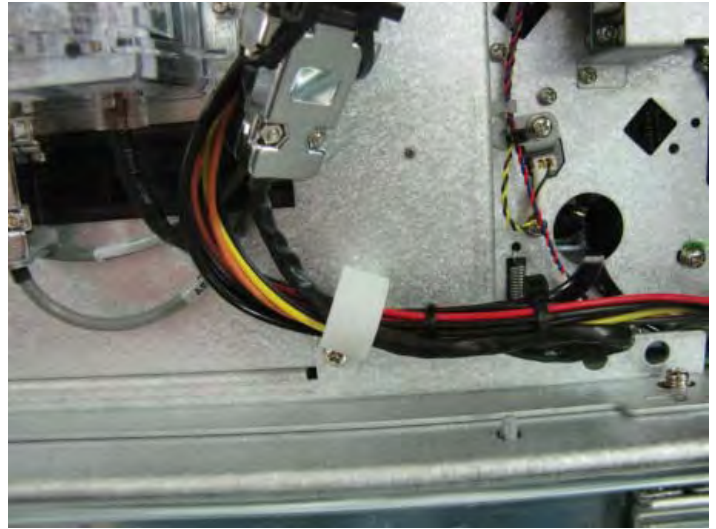
16. Ensure the CDU to SM Power Splitter cable is routed BEHIND the SM to CDU Communication cable and IN FRONT of the Controller to SM Communication Extension cable as shown.



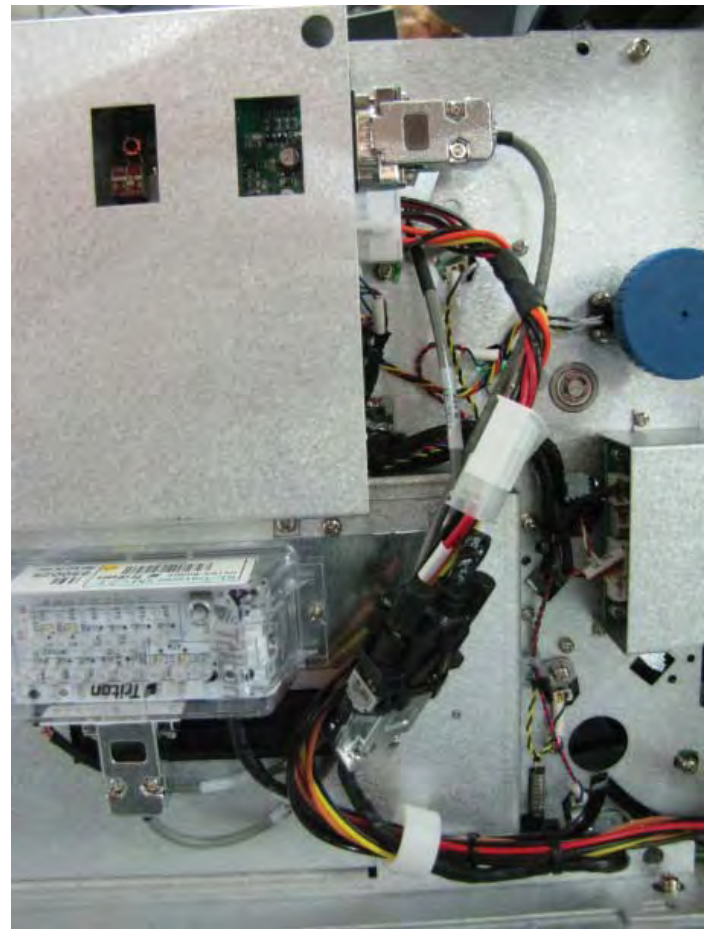
17. Remove the screw from the dispenser bracket and install a quick release cable clip using the same screw as shown. Angle the clip slightly for easier cable routing.



- 18.** Route all the cables through the cable clip as shown.



- 17.** Fold all the cables against the dispenser as shown. TY Wrap them together where necessary to keep the cables against the dispenser. Cut off excess TY Wraps. Push the dispenser back into the unit and ensure the cables don't hit the cabinet wall.



- 18.** To complete the security module install, perform “Synchronizing the Security Module to the Mainboard” on page 3.

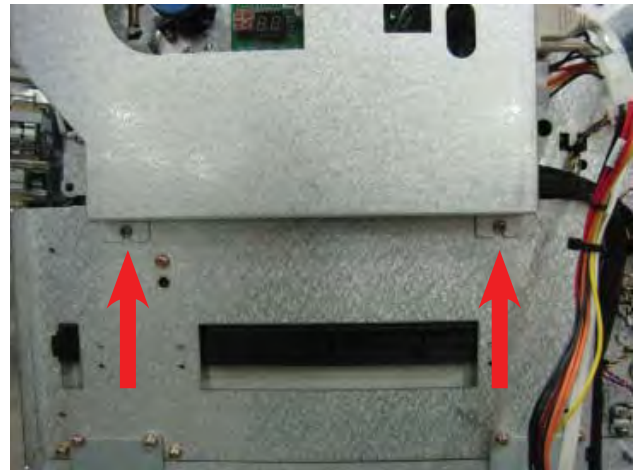
HCDU

(continued from page #7)

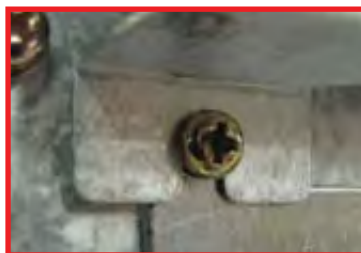
6. Pull the dispenser out to the fullest extension.
(picture of HCDU before any upgrades).



7. Locate the two screws on the bottom of the mainboard cover as shown. Remove the screws and set aside for reinstallation.



8. Install the security module bracket under the cover. Using the outer two screw holes, reinstall the two screws to secure the assembly and the cover as shown. Ensure the bracket is sitting flat against the dispenser.



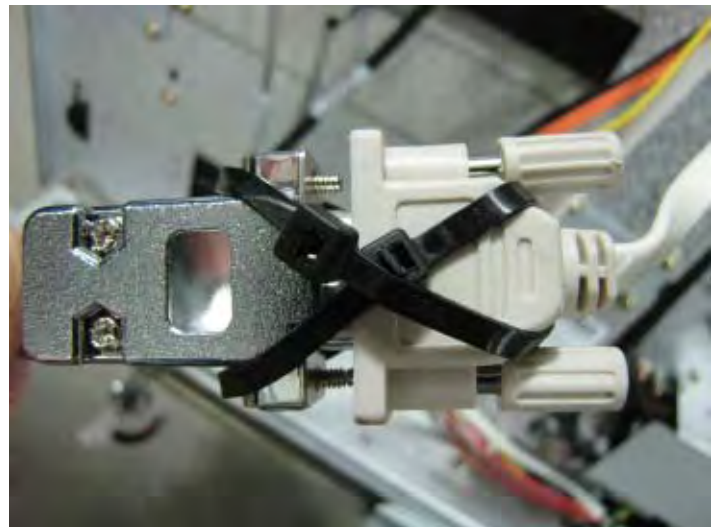
9. Unplug the dispenser communication cable by loosening the thumbscrews.



10. Plug the unit dispenser communication cable into the Controller to SM Communication Extension cable as shown.



11. Using two TY Wraps, secure the two communication cables together as shown. Cinch the TY Wraps tight and cut off excess TY Wraps.



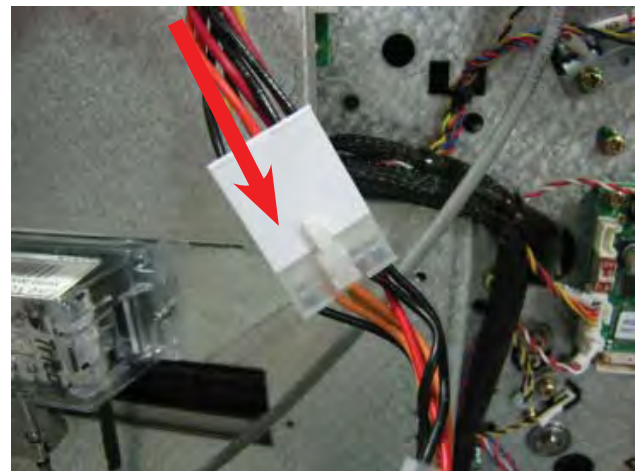
12. Plug the SM to CDU Communication cable into the dispenser as shown. Using the small flathead screwdriver, tighten the two screws on the cable to secure it in place (arrows).



13. Unplug the security module power cable from the dispenser.



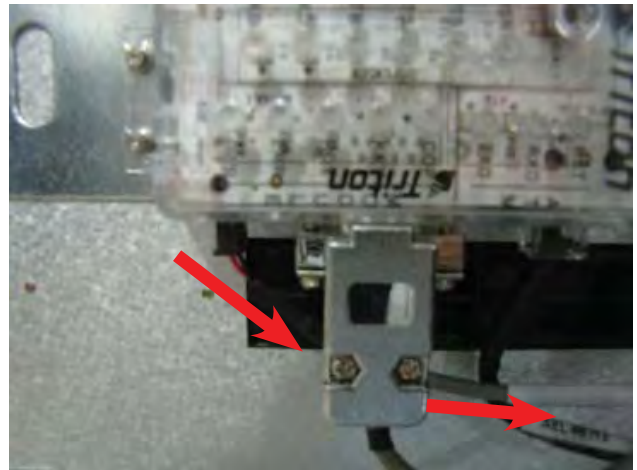
14. Plug the CDU to SM Power Splitter cable into the security module power cable as shown.



15. Plug the CDU to SM Power Splitter cable into the dispenser as shown.



16. Ensure the CDU to SM Power Splitter cable is routed BEHIND the SM to CDU Communication cable and IN FRONT of the Controller to SM Communication Extension cable as shown.



17. Install a quick release cable clip using the supplied screw as shown.



18. Route all the cables through the clip as shown.



19. Fold all the cables against the dispenser as shown. Pull the cables down away from the blue wheel (green arrow). TY Wrap the cables together where necessary to keep the cables against the dispenser. Cut off excess TY Wraps. Push the dispenser back into the unit and ensure the cables don't hit the cabinet wall.



18. To complete the security module install, perform “Synchronizing the Security Module to the Mainboard” on page 3.