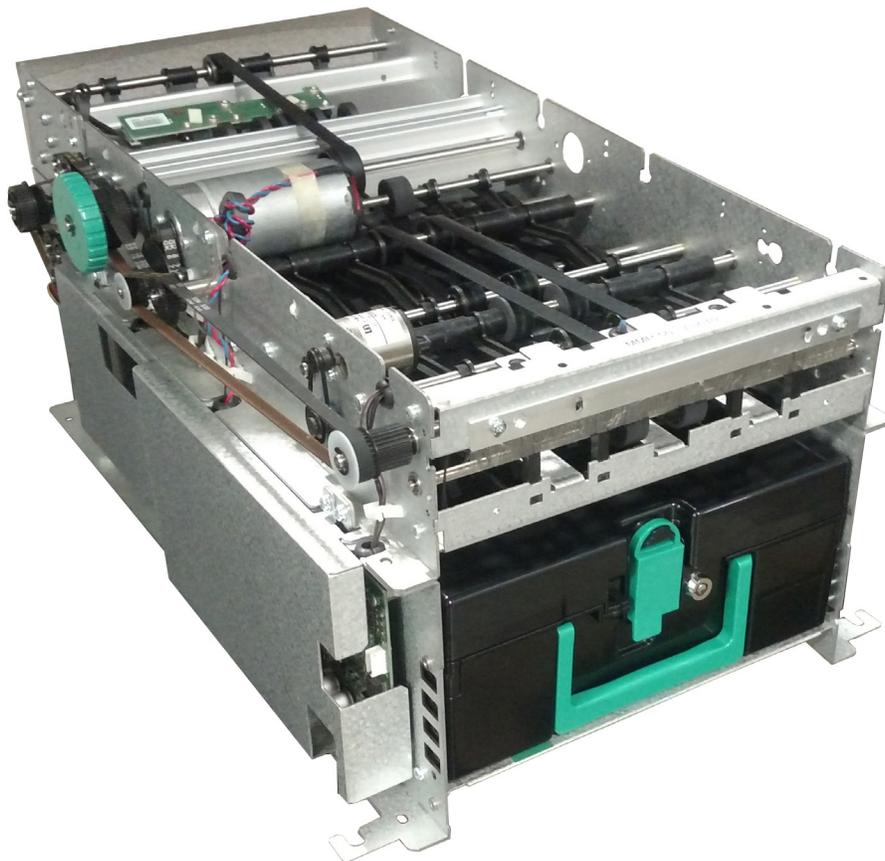




ARGO SDD TO MMR50 Field Upgrade Kit Instructions



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REVISION HISTORY

Document/Revision	Date	ECO	Description
07103-04303, Original	2/2/2022	1033030	Field SDD upgrade to MMR050 Dispenser

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PURPOSE

This guide covers configuration information for Level 1 Vault and Business Hours deep cabinet ATMs.

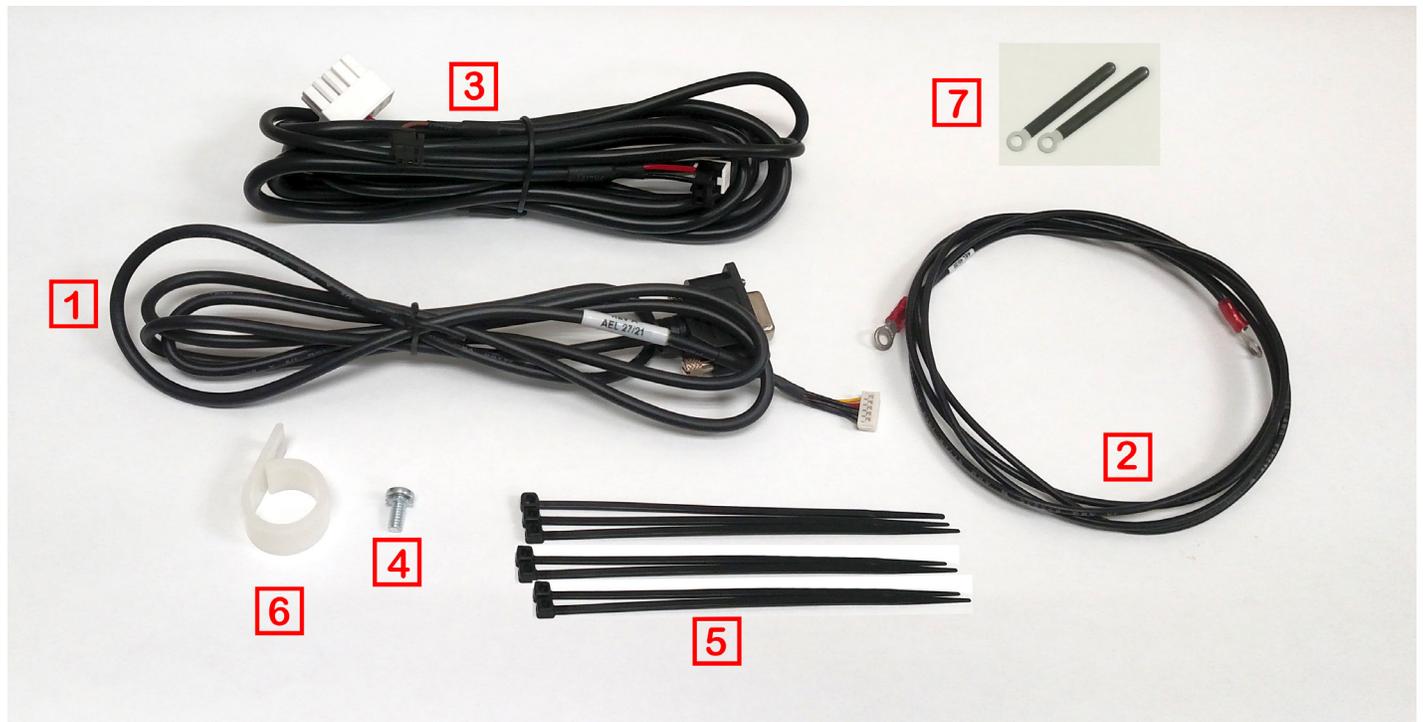
SCOPE

This manual applies to all service personnel involved in installing, configuring, or upgrading hardware/software on Triton ATMs nationwide and abroad.

APPLICATION

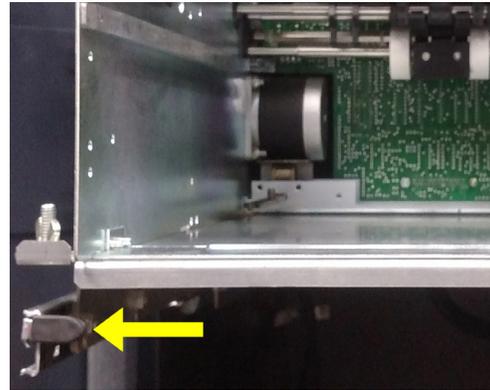
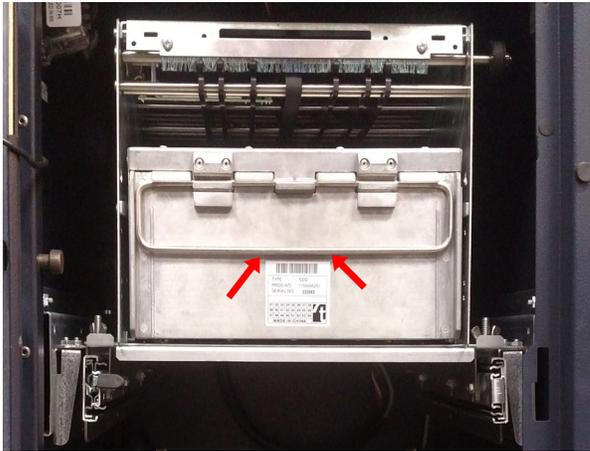
This configuration guide provides information and easy-to-follow instructions for upgrading the SDD Dispenser to the MMR050 Dispenser.

TOOLS REQUIRED	<ul style="list-style-type: none"> • #2 Phillips head screwdriver • Small flat-head screwdriver • T-20 Torx screwdriver • Wire Cutters • 11/32" hollow nut driver, 11/32" socket 	
Kit P/N 06200-02085	ARGO SDD to MMR50 Conversion Kit	
Parts Supplied		
Description		Quantity
1	NMDCComms Cable	1
2	Mech Tray ground Wire 58"	1
3	Security Module and MiniMech/MMR50 Power Cable	1
4	Screw #8-32 3/8" Pan Phil Head w/EXT tooth Washer	1
5	6" Ty Wrap	7
6	Cable Clip 3/4" Round Screw-In Quick release	1
7	Cable Clamp Vinyl Coated	2

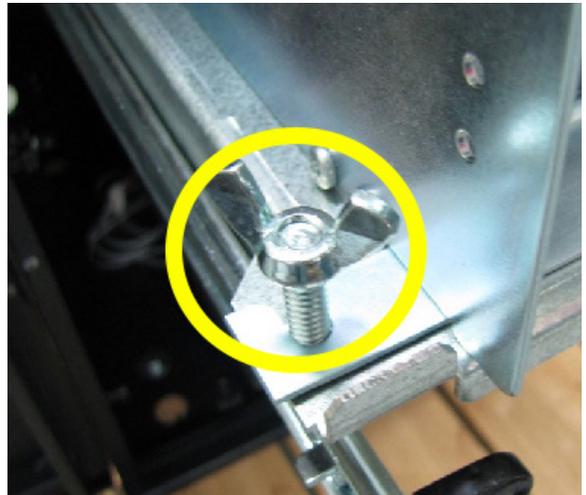
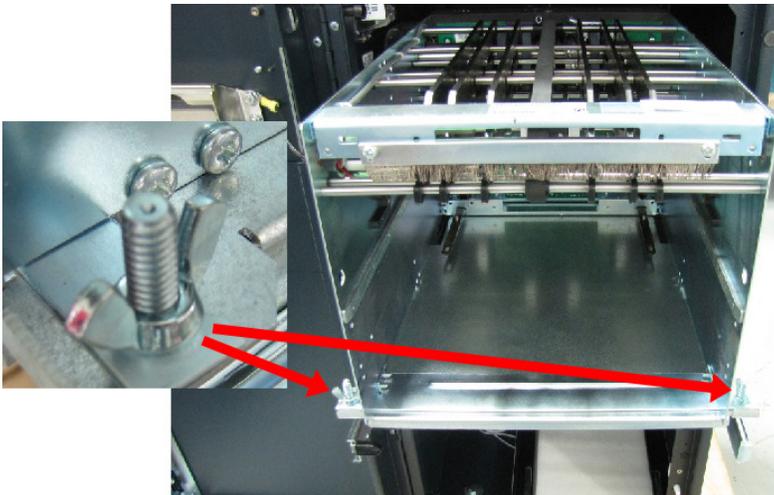


****NOTE****

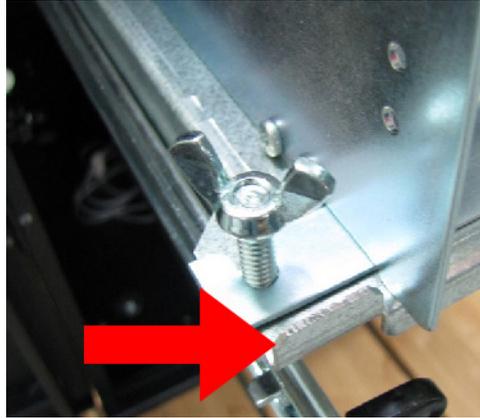
- Before starting the SDD to MMR050 Conversion installation, verify the ATM software has the minimum software version: 4.2.3.6 installed onto the ATM. If not, obtain Technical Bulletin 22-02, ARGO 4.2 MMR050 Software Release Notes, at www.triton.com web page and follow instructions to load the correct software for your ARGO ATM.
 - If the ATM has the minimum required software, perform a proper shut down of the unit and disconnect the input power cord from the power supply.
1. Open the Vault. Grasp the cassette handle, **RED** arrows in *Left Image*, and pull the cassette out of the dispenser. Press the rail latch down, **Yellow** arrow in *Right Image*, and slide the rails out until fully extended.



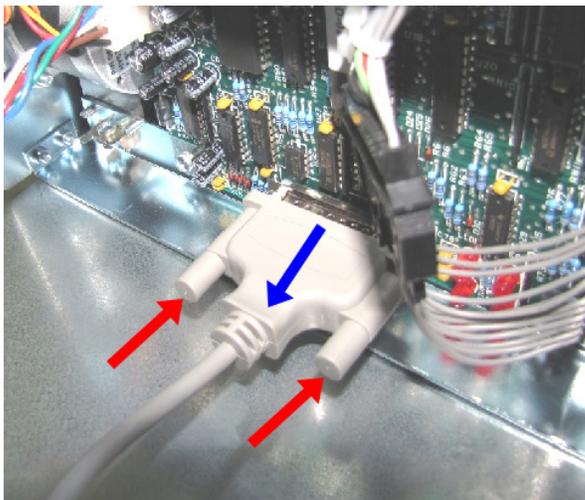
2. Loosen the wing nuts, *Left Image*, but do not remove from post, *Right Image*.



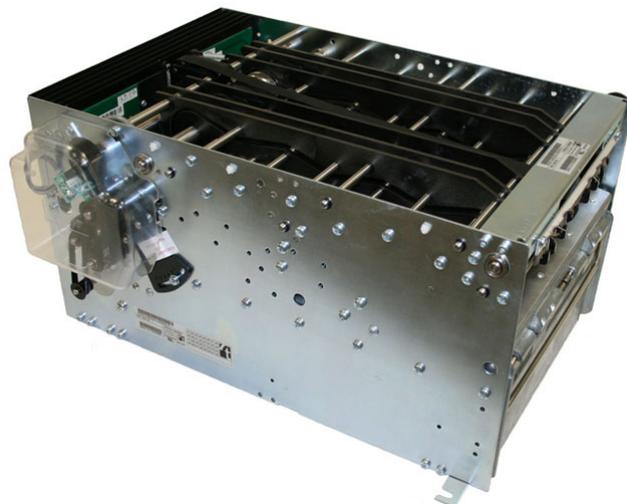
3. Lift the front of the dispenser to pass over the rail edge and slide out enough to reach the power and communications cable in the back.



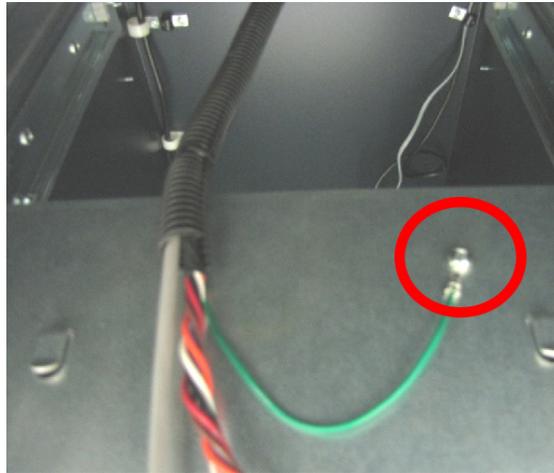
4. On the back of the dispenser, loosen the two thumbscrews and remove the communication cable, *Left Image*. Disconnect the power cable, *Right Image*.



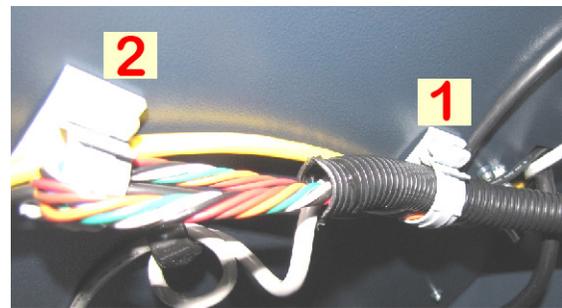
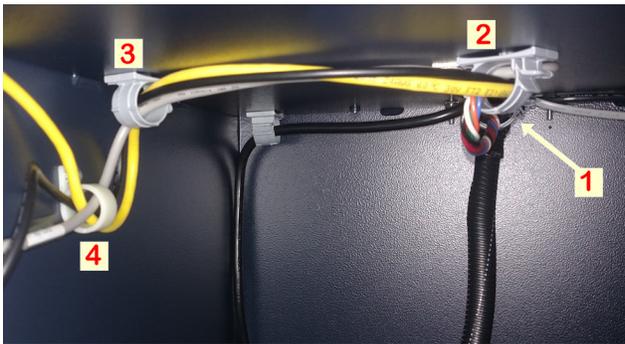
5. Remove and set aside the dispenser from the unit. PRIME the cassette and insert into SDD.



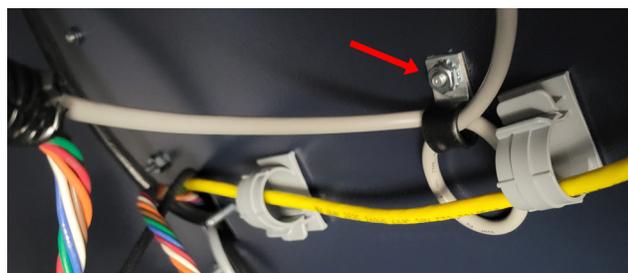
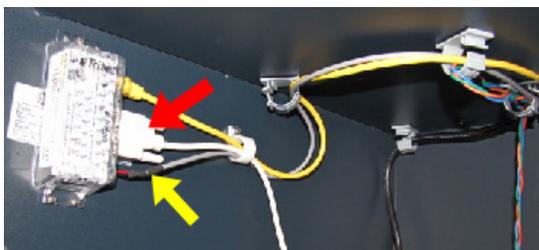
6. Disconnect the ground wire from the dispenser tray. Save the screw for later use.



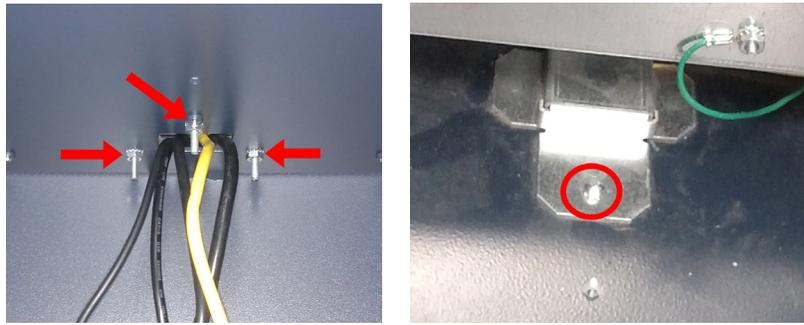
7. Remove the SDD to Security Module Communication cable and SDD to Power Supply cable from four cable clips. Do not remove the Security Module to main-board communication cable in the clips. **Left Image** shows the four cable clips. **Right Image** shows a close up for clips 1 and 2.



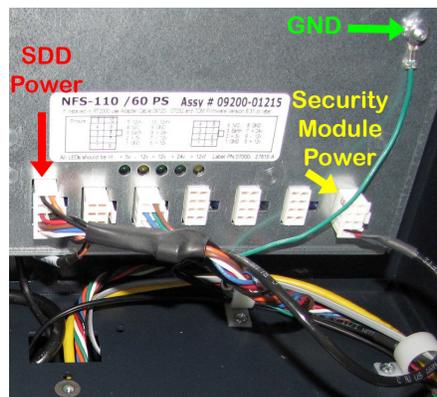
8. **Left Image**, disconnect the SDD to Security Module communication, **RED** arrow, and 2-pin power cable, **Yellow** arrow, from the security module. **Right Image**, use the 11/32" nut driver to remove the 11/32" nut, **RED** arrow, and washer. Use the small screwdriver to pry apart the bracket and remove the cable.



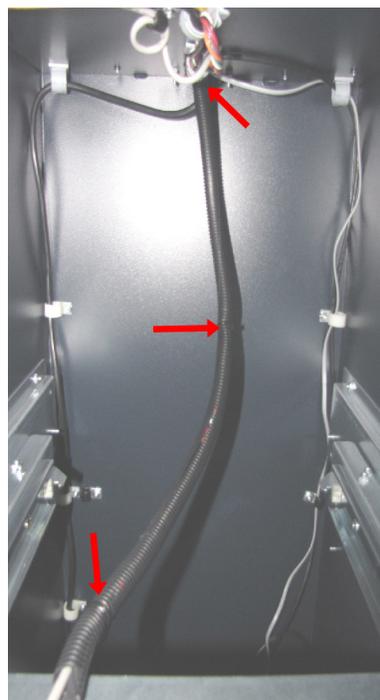
9. Remove the cable cover under the power supply by first removing the 3 nuts inside the vault, **RED** arrows *Left Image*, with a 11/32" hollow nut driver. Remove the top screw, **Circle** in *Right Image*. Save the bracket, nuts, and screw for later use.



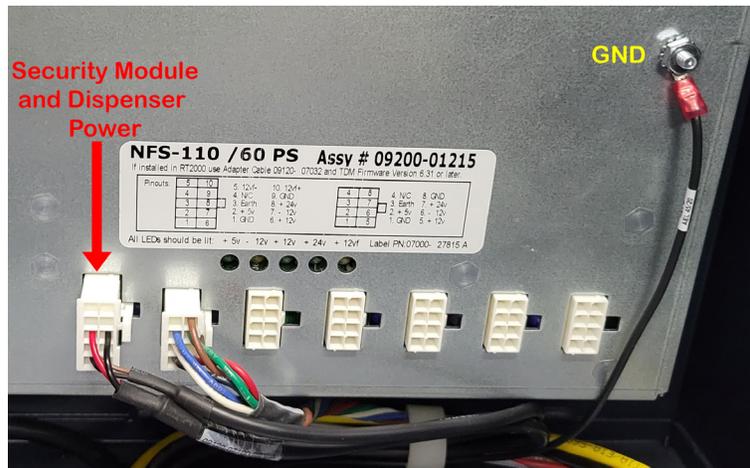
10. Using the 11/32" hollow nut drive, disconnect the ground wire, **RED** Arrow. Save the Keps nut for later use. Disconnect the SDD power plug and Security Module power plug from the power supply. Pull the SDD power cable, Security Module power cable and ground into lower cabinet.



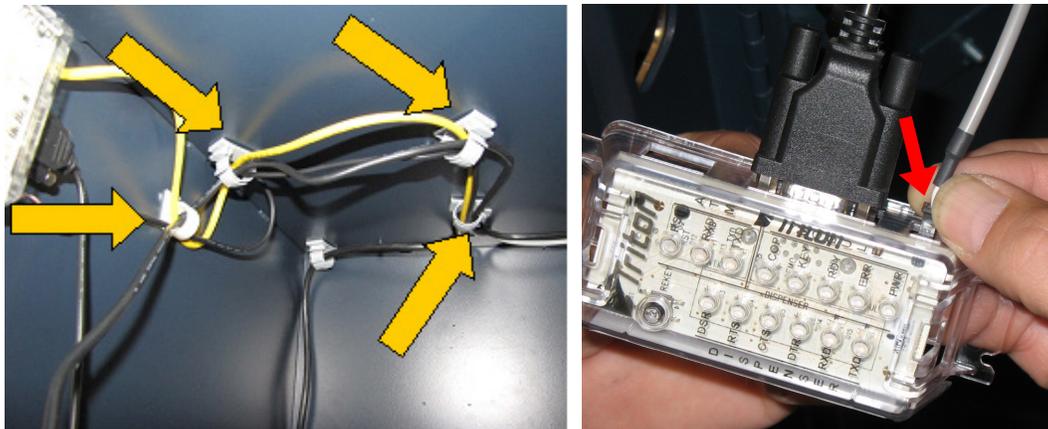
11. Cut the 3 Ty wraps, **RED** arrows, from the tubing. Remove the cable and wire from the tubing. Save the tubing for the upgrade cables.



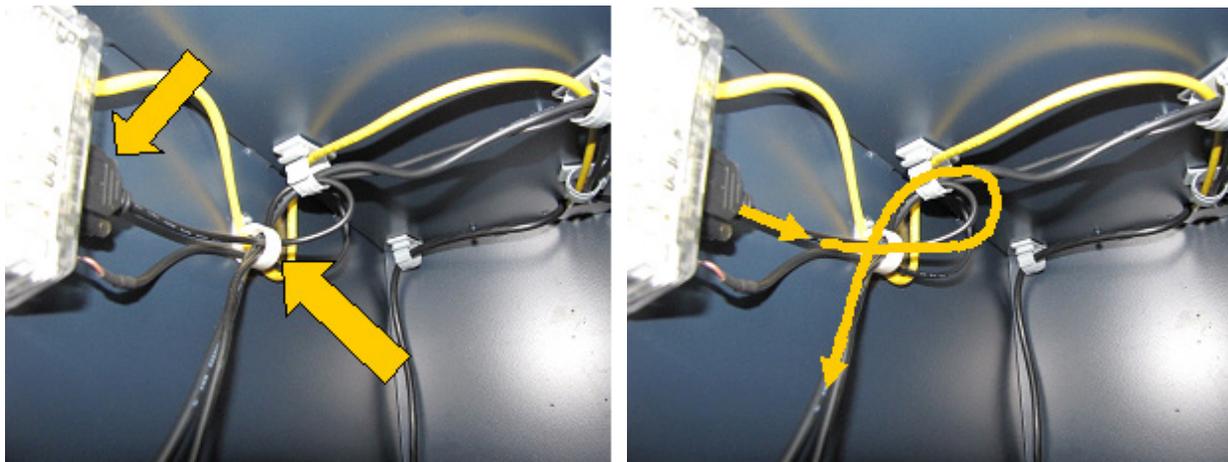
12. Feed the four-wire MMR050 power cable, **Item #2** and ground wire, **Item #3** through the vault/cabinet opening. Connect the power cable into the 10-pin socket, **RED** Arrow. Use the 11/32" hollow nut drive and the saved Keys nut from *step 10* to secure the ground wire to the power supply.



13. Route the dispenser and Security Module power cable through the four clips shown, **Left Image**. Plug the two prong plug into the security module, **Right Image**. Ground cable routed in step-20.



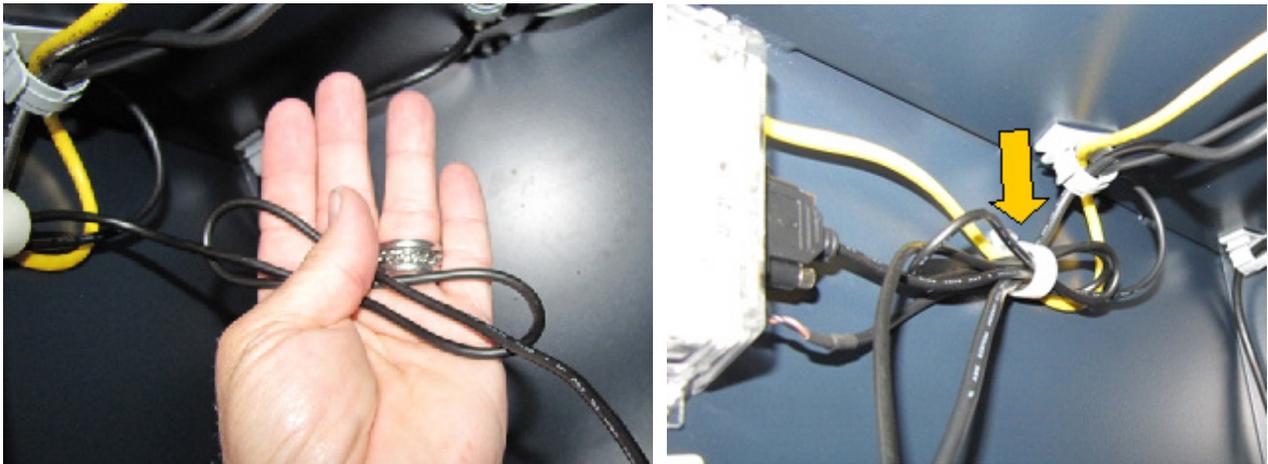
14. Route the data cable from the security module to the MMR dispenser through the clip shown, **Left Image**. Loop the data cable up through the top clip and back down through the first clip, **Right Image**.



15. Make the Data cable approximately 2 1/2 inches longer than the power cable. TY Wrap the power and data cables together. Trim excess TY Wrap.



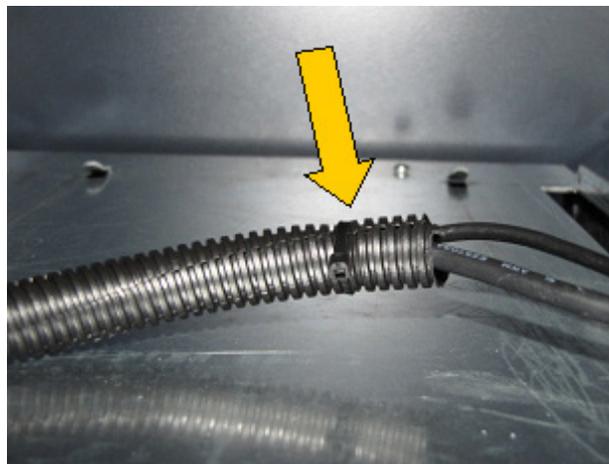
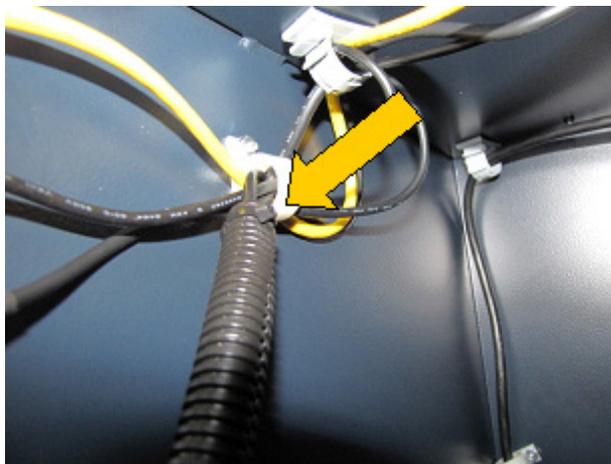
16. Pull the excess Data cable back up to the clips and make a “Bow”, *Left Image*. Place the excess cable into the clip, *Right Image*.



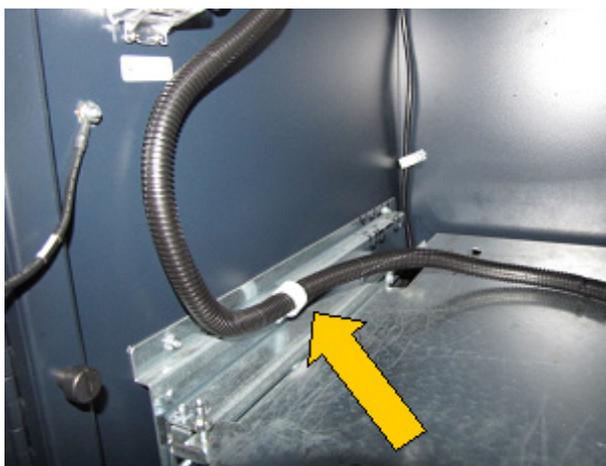
17. Obtain the black tubing used with the SDD cables from *step 11*. Place the cables into the tubing.



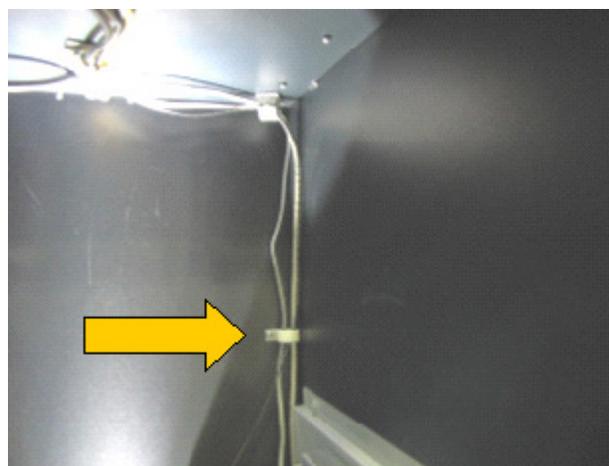
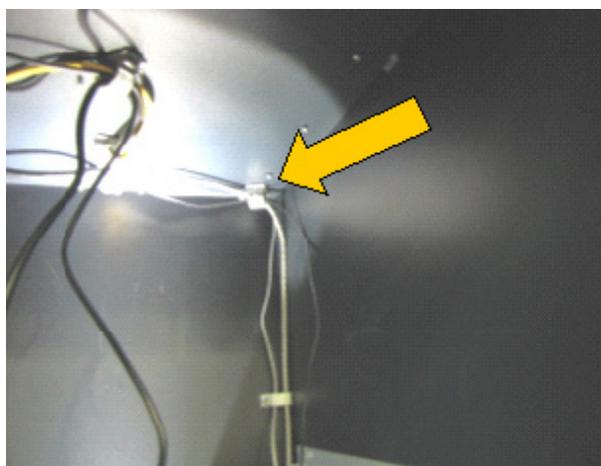
18. TY Wrap the end of the tubing by the clip. Trim excess TY Wrap, *Left Image*. TY Wrap the tubing at the opposite end. Trim excess TY Wrap, *Right Image*.



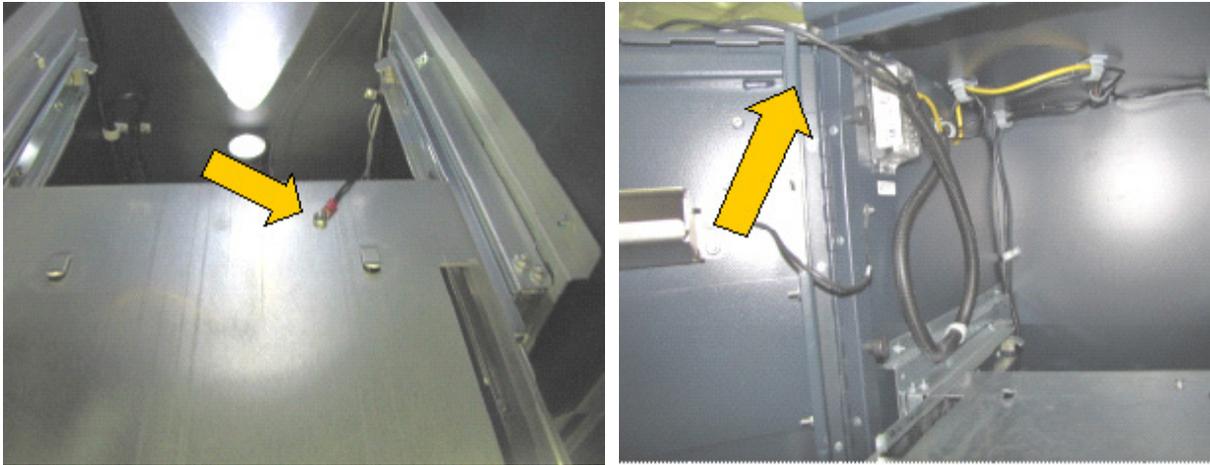
19. From the kit, obtain clip, **Item 6**, and slip over the tube. Secure clip to rail using screw, **Item 4**.



20. Route the ground wire through the back-right clip. Close the clip, *Left Image*. Continue routing the ground wire down through the white clip, *Right Image*.



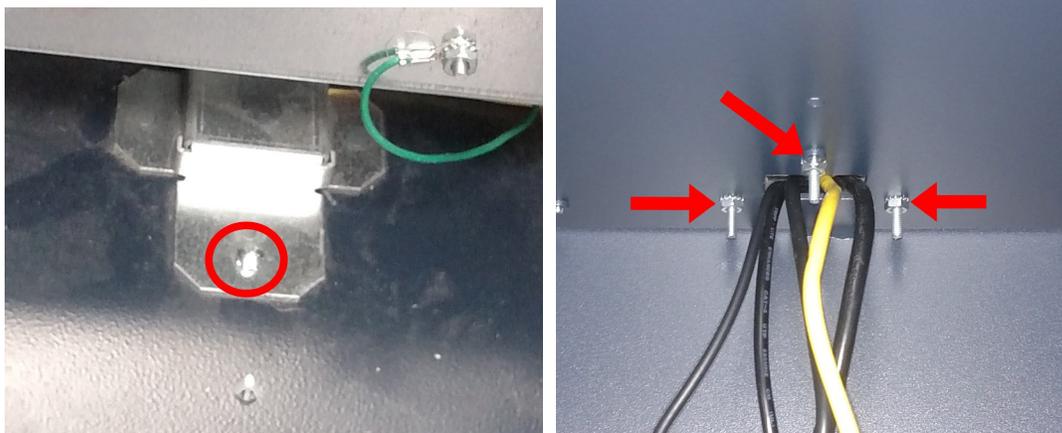
21. Use the screw from *step 6* to attach the ground wire to the tray, **Left Image**. Place the tubing over the door, **Right Image**.



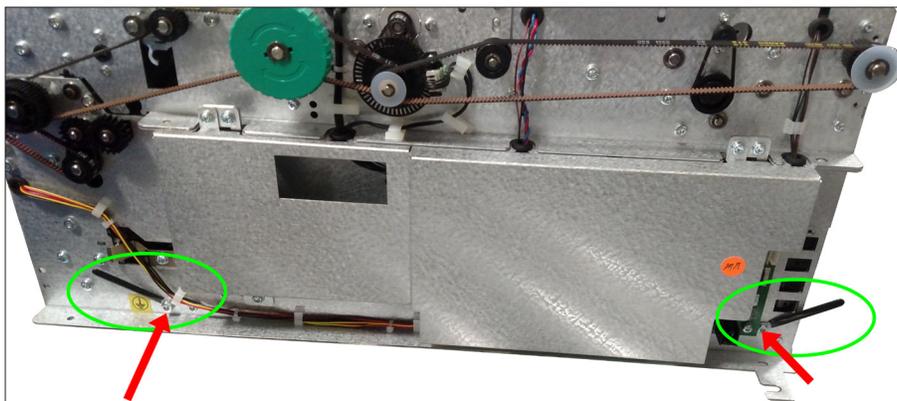
22. Install the cable cover removed earlier. Use extreme caution **NOT** to pinch any of the cables. Secure cover with screw removed earlier. Inside of the vault, secure the three nuts with a 11/32" hollow nut driver.

****Note****

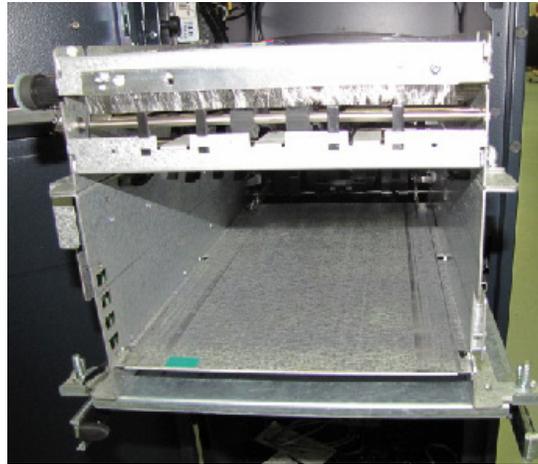
May need to disconnect the input power cord to the power supply and remove the power supply by loosening the two nuts under the power supply, then lift up the power supply and set on cabinet floor. After securing the cable cover, install the power supply to cabinet wall.



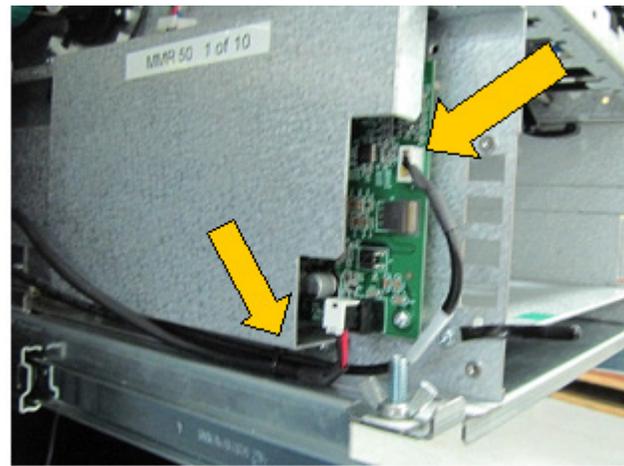
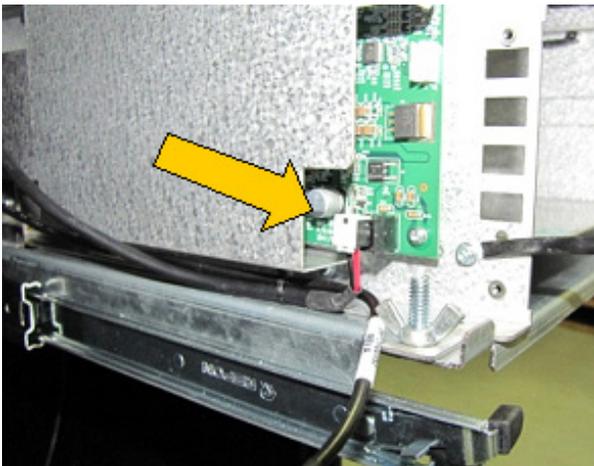
23. Obtain the MMR050 dispenser and remove the cassette. Using the T20 Torx screwdriver, remove the two screw, **RED** arrows, **GREEN** circles, and install two cable clamps, **Item 7**, with same screws to the chassis.



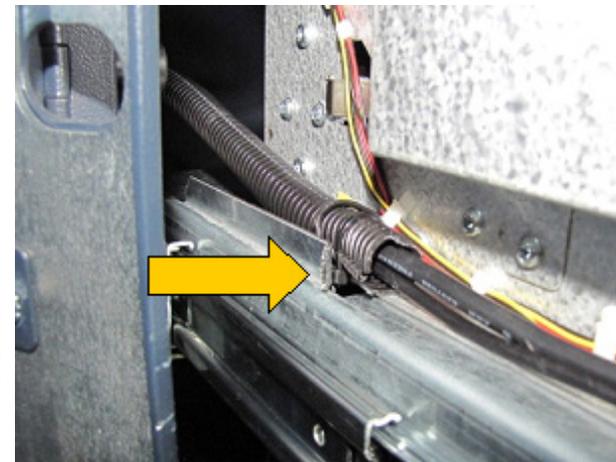
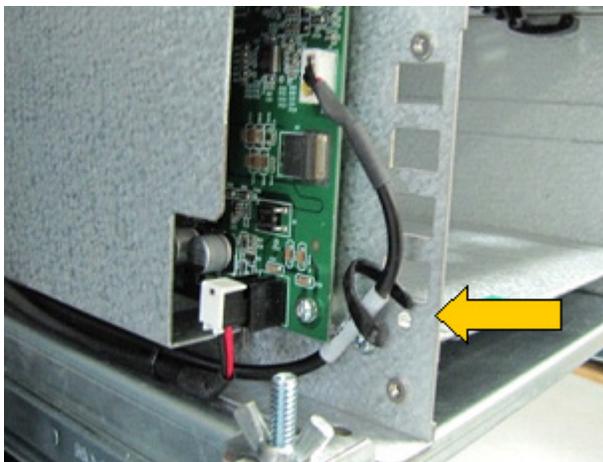
24. Place the dispenser on the tray.



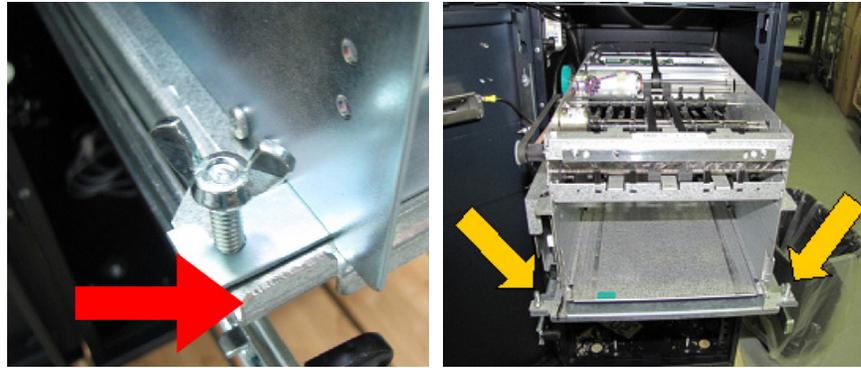
25. Plug the power cable into the dispenser, *Left Image*. Route the data cable behind the power cable and plug into the dispenser, *Right Image*.



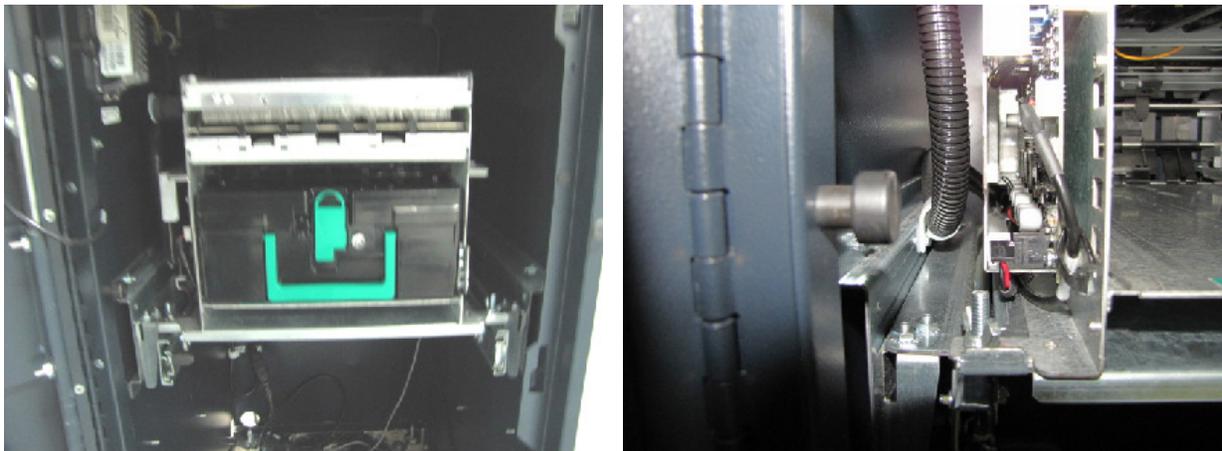
26. Bend the clip around the Data cable to keep it in place, *Left Image*. Bend the back clip over and down the tubing. Tuck the end in behind the metal flange, *Right Image*.



27. Verify the dispenser is behind the tray tab **RED** arrow, **Left Image**. Secure dispenser with the two wing nuts, **Right Image**.

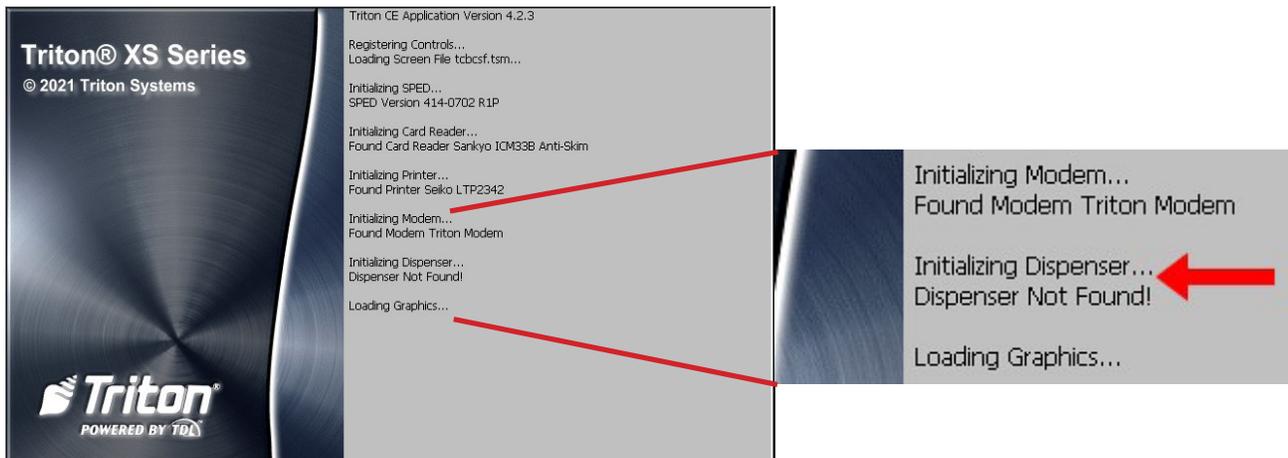


28. Install the cassette and push dispenser in, until the rail latch clicks, **Left Image**. Move the tray in and out several times to ensure the cables will not bind or interfere with any moving parts. If no cable binding, push the tray until the rail latches the tray in, **Right Image**.

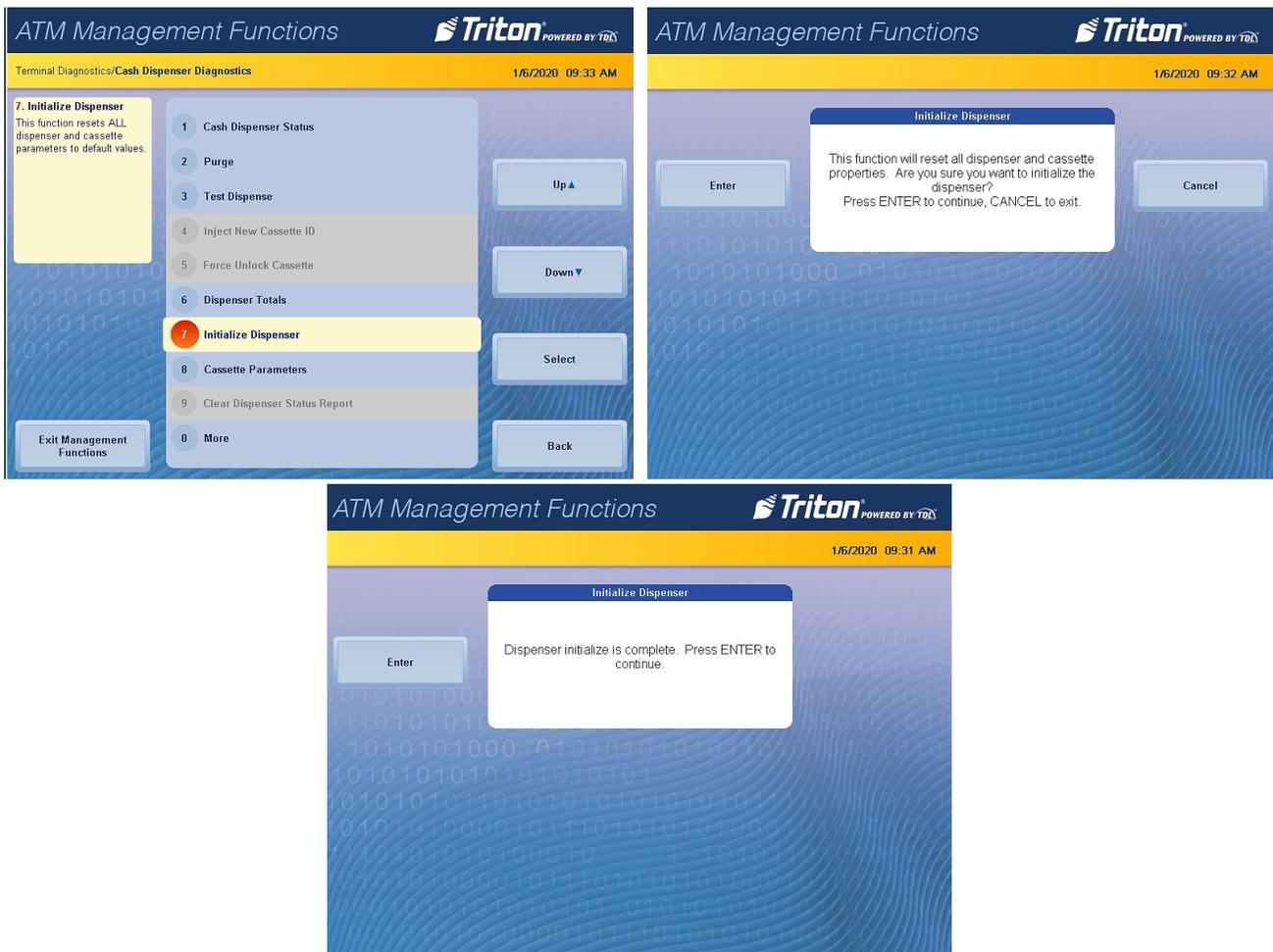


29. Open the control panel and plug the input power cord into the power supply. Turn the power supply on. If the POST screen displays *Found Dispenser MMR050 2016-02.D3*, continue to management functions to configure ATM.

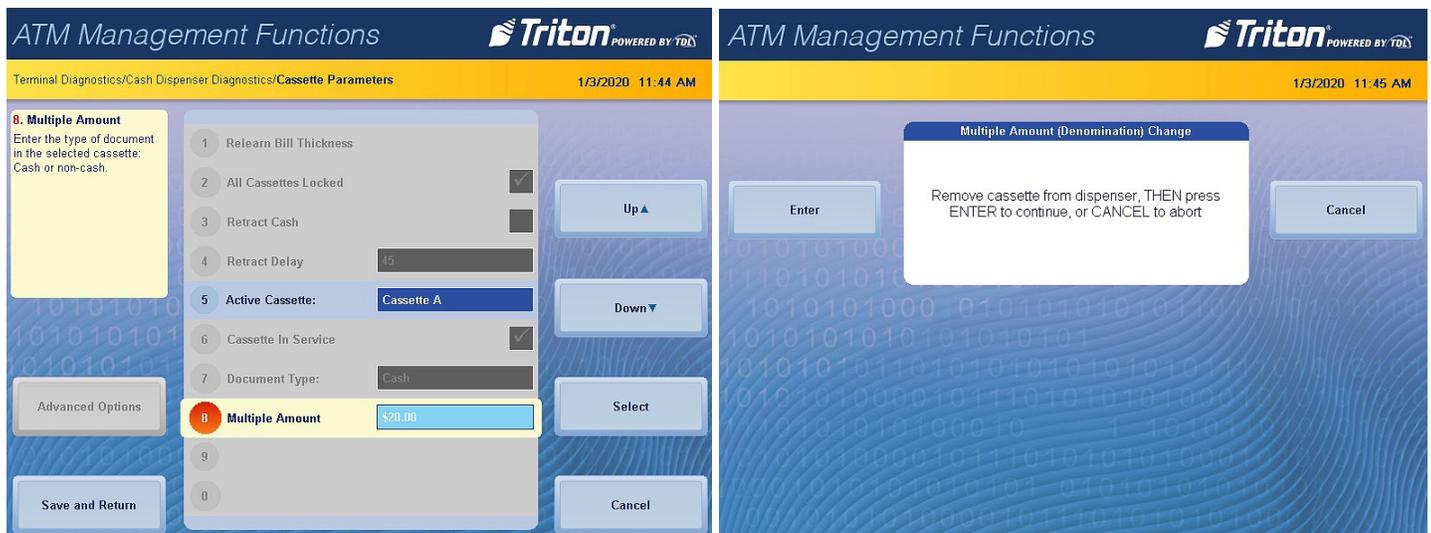
30. If the ATM does not find the dispenser, as shown below, the opening screen should have error code 363. Open the Management Functions screen and continue to next step.



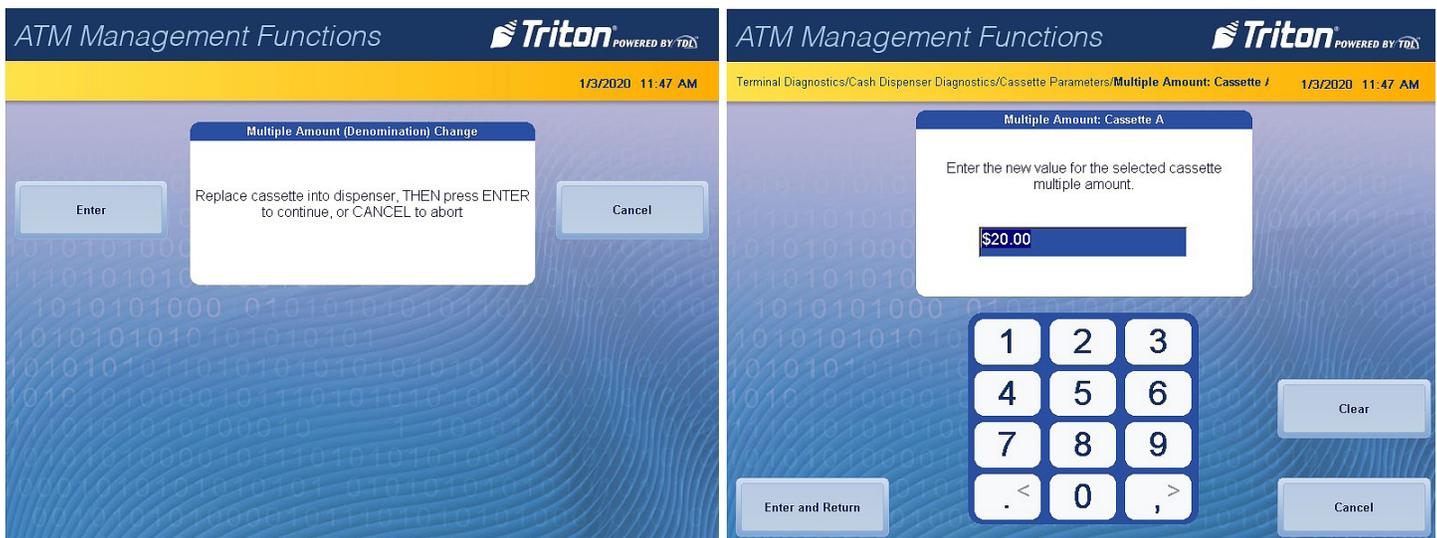
31. Navigate to *Management Functions > Diagnostics (2) > Cash Dispenser (4) > Initialize Dispenser (7)*.
32. The Initialize Dispenser screen will request confirmation to initialize the dispenser. Press the **Enter** button to continue. Initialization will take several minutes. Should hear the dispenser cycle before seeing the Dispenser Initialization complete screen. Press the **Enter** button to continue.



33. Navigate to *Management Functions > Diagnostics (2) > Dispenser (4) > Cassette Parameters (8)*.
34. Select the **Multiple Amount (8)** to set the denomination in the active cassette.
35. Press the **Enter** button on the warning prompt. Remove cassette from dispenser, then press the **Enter** button.



36. Load notes not in cassette. Insert cassette into dispenser, then press the **Enter** button.
37. The dispenser cycles a note into the Reject cassette.
38. Denomination is the type of note loaded (\$5, \$10, \$20 etc.). Use the on-screen numeric keypad to enter the denomination of notes loaded. Press the **Enter and Return** button to save the value. The screen will return to the *Cassette Parameter* menu.



39. Press the **Save and Return** button to return to the *Cassette Dispenser Diagnostics* menu.
40. Press the **Exit Management Functions** button and return ATM for customer use.

END OF MMR050 PROCEDURE

