



**SDD TO NMD-50
CONVERSION PROCEDURES
(MODEL RL5000 T HANDLE ATM)**

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SECTION 1 - CONVERSION WITH "OLDER" STYLE CABINETS (W/T-HANDLE)

PURPOSE

This guide covers the steps for replacing your SDD dispenser in the Model RL5000 ATM with an NMD-50 multi-cassette dispenser. This procedure includes a list of all tools and hardware necessary for the conversion as well as the steps involved.

SCOPE

This procedure applies to all service personnel involved in the process of maintaining or converting Triton ATMs.

APPLICATION

This conversion kit applies to Model RL5000 unit cabinet with a "T" handle **ONLY**.

- Units built with serial numbers **Before LRL5111042931385** require this kit. These cabinets are identified with a vault door "T-Handle" installed.
- Units built after the above serial number **ARE NOT convertible**. These cabinets (current) are identified with a vault door "Lift" handle.

How to Determine Unit Builds

To determine when your unit was built, the serial number (located on the affixed label inside the control panel) has a "julian" date located in the block of numbers. For example, in the serial number mentioned above, LRL5111042931385, the "04293" is the year (04) and julian day (293th day of the year) that the unit was built.

Section 1 - This section covers the conversion procedures with older style cabinets (P/N 06200-00131).

Attaches bracket
to cabinet

Ground lug
and screw

Attaches slides
to cabinet

Attaches green
handles to dispenser



Bracket, Shock slide stop, Acute angle

SDD TO NMD-50 CONVERSION PROCEDURES

REQUIRED PARTS AND TOOLS

TOOLS REQUIRED		
Slotted and Phillips Screwdriver, Torx T-20 driver 11/32" (9mm) and 7/16" (11 mm) Nut Driver, 2.5mm hex head driver		
SDD to NMD-50 CONVERSION KIT (P/N 06200-08136) "T-Handle" Cabinet		
PARTS SUPPLIED		
PART NUMBER	DESCRIPTION	QUANTITY
03011-02033	Bracket, Shock slide stop, Acute angle	1
02054-00320	8-32 X 3/8 PHIL TRUSS HD MACHINE SCREW	7
03011-00760	Handle Bracket (Dispenser, Green)	2
01060-00416	Ground Connector, Quick Connect, Molex	1
03072-00009	Clip, Panduit Adhesive Cable	5
03082-00000	Custom Slide, 18"	2
03011-05023	Slide Spacer Bracket	1
09600-00057	Data Cable, EJ to Mech	1
02054-00235	Screw M4 X 10MM Cap Screw Stainless Button Head Socket-2.5mm hex	6
09120-07029	DC Power Cable, NMD-50	1
02054-00173	Screw T20 4mm x 10mm Self-Tapping Plastite Washer Head	1
09120-00367	Ground Wire, NMD-50	1
02302-00034	Hex Bolt, 1/4-20 x 1/2", Zinc Steel	2
07100-00024	Model RL5000 Quick Reference Card (NMD-50)	1
07100-00116	SDD to NMD-50 Conversion Procedures (RL5000)	1

SECTION 1 - CONVERSION WITH "OLDER" STYLE CABINETS (W/T-HANDLE)

DISASSEMBLY PROCEDURES

Before proceeding, follow these steps to remove power from the ATM:

Enter **Management Functions > System Parameters > Shut Down the Terminal**. When prompted, turn power **OFF** on the ATMs power supply. 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.

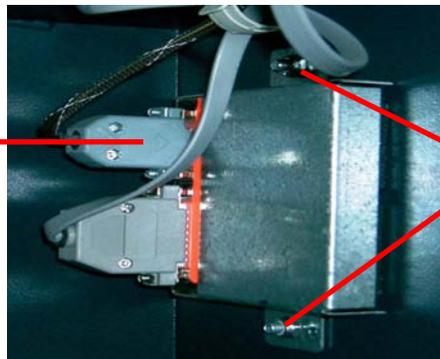
1. Refer to the RL5000 service manual, (07103-0014) section 3, page 132 & 133, to remove the SDD dispenser.
2. Disconnect the SDD power cable from the power supply, and remove it from the cabinet. Note the route of the cable through the plastic cable hangers in the top of the dispenser area.
3. Dispenser Slide Rail Hardware - With the tray extended out, use a phillips screwdriver or nut driver to remove the screws that secure the slide rails to the mounting brackets. Remove the slide rails (with mounting tray attached) from the cabinet. Note the position of any ground cables (front left corner).



Remove slide rails w/tray.

4. Remove the fasteners securing the EJ unit to the cabinet. Retain the hardware.
5. Disconnect and remove the cable that connects the EJ unit to the SDD dispenser.
6. Install and secure the new cable that connects the EJ unit to the NMD 50.
7. Reattach the EJ to the cabinet using the hardware from step 4.

EJ to dispenser cable.



EJ mounting hardware.

8. Connect the new dispenser power cable to the power supply, pass the cable through the opening to the dispenser vault, and along with the EJ cable, place them into the plastic cable hangers on the top of the vault area. Hang these cables over the door.
9. Connect the new ground cable to the front left corner with the existing ground cables. Hang the ground, power and EJ cables over the door. The other end of the ground wire will attach to the NMD-50 when installed.



Ground cable connection

UPGRADE KIT ASSEMBLY PROCEDURES / SLIDES

1. Right Side Slide Assembly - Mount the slide adapter bracket to the right side of the cabinet with the two (2) bolts provided (1/4-20x1/2). The mounting points are at the ends of the bracket, on the TOP.



Cabinet bracket.



Adapter bracket.

2. Right Side Slide Rail - Remove the dispenser slide bracket from the slide assembly. Pull the slide assembly open about 8 inches, enough to expose the rear most mounting holes. There are four (4) mounting holes in the adapter bracket just installed. Attach the slide assembly to the adapter bracket starting in the REAR. The SECOND hole from the rear of the slide assembly, mates with the REAR most hole in the adapter. Once that screw (8-32x3/8) is inserted, (do not tighten) you can maneuver the slide to gain access to the three (3) remaining mounting points. Once all four (four) screws are started, tighten snugly. When installed, the slide rail (pushed in) should be even with the door flange. Move the power, comm and ground cables, and close the door to ensure there is no interference. Open the door and rehang the cables. DO NOT be tempted to leave any hardware uninstalled. The dispenser is heavy and all hardware is essential to its security.



Slide rail extended.

Seven screws (8-32x3/8) to attach slides. Four right and three left.



Assembly mounted to cabinet.

3. Left Side Slide Rail - Remove the dispenser slide bracket from the slide assembly. Mount the other slide rail to the left cabinet bracket using THREE (3) 8-32x3/8 phillip head screws. There are only three (3) mounting locations that align. Starting in the REAR, mate the REAR most slide assembly hole with the REAR most bracket hole. Once that screw is inserted, (do not tighten) you can maneuver the slide to gain access to the TWO (2) remaining mounting points, toward the front of the slide assembly. Once all three (3) screws are started, tighten snugly. When installed, the slide rail (pushed in) should be even with the door flange. DO NOT be tempted to leave any hardware uninstalled. The dispenser is heavy and all hardware is essential to its security. **Note:** When installing the slide rail, ensure any exposed cables in the back of the cabinet are “tucked” behind the cabinet bracket. **Slide rails will be offset when extended, right will be longer.**



Cabinet bracket. (representative)



Slide rail installed. (representative)



*Rails extended (offset).
Right will be longer*

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UPGRADE KIT ASSEMBLY PROCEDURES / NMD-50 ASSEMBLY

The NMD-50 dispenser does not ship preassembled. The additional parts to add are the two (2) green lift handles (identical), two (2) slide brackets (identical), ground lug, dispenser stop bracket and cable guides.

Before proceeding, remove the cassettes from the dispenser to make it more manageable. The dispenser with the cassettes installed (empty or full) is a required TWO MAN LIFT. With the cassettes removed, it can be handled by one person.

NOTE: When attaching any hardware to the sides of the dispenser, pay particular attention to NOT OVERTIGHTEN the screws. The dispenser mounting holes WILL strip if too much torque is applied. Hand tighten snug, but firm, only.

1. Right side Handle, Slide and Stop Bracket Assembly - Mount a green handle and slide bracket to the right side of the cabinet with the two (2) screws provided. The mounting points are at the center and rear ends of the bracket. The release tab faces forward.



2. Right side Handle, Slide and Stop Bracket Assembly - Slide the stop bracket through the slot in the front of the slide bracket and attach to the dispenser in the front hole. (M4x10mm)

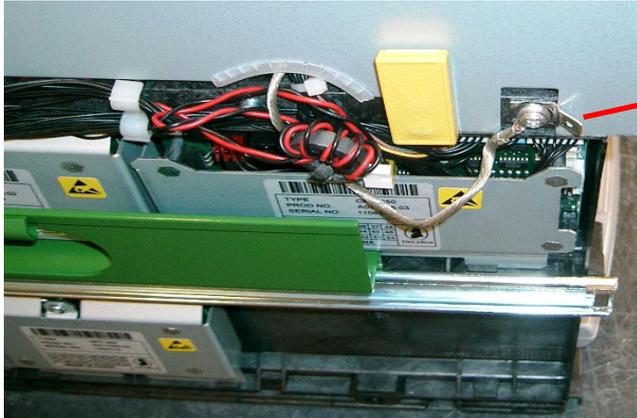


3. Left side Handle and Slide Bracket Assembly - Mount a green handle and slide bracket to the left side of the cabinet with the three (3) screws provided. The mounting points are at the front, center and rear ends of the bracket. The release tab faces forward.



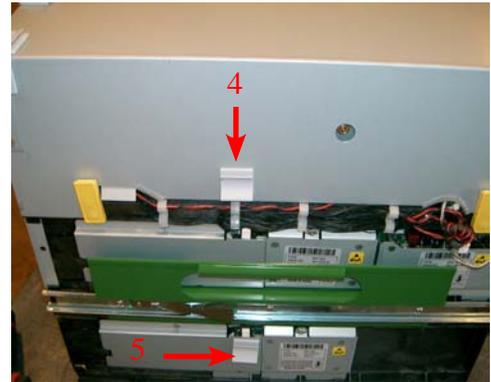
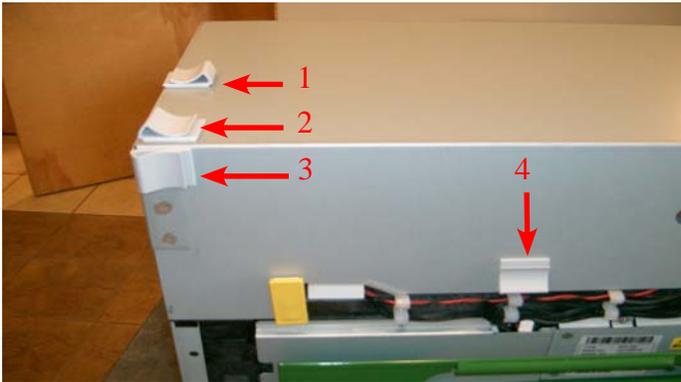
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4. Left side Ground Lug attachment - Remove the screw holding the ground wires as shown. Place the ground lug between the two (2) washers and reinstall using the new longer screw. Position the lug to the right of the COMM connection.



Ground Lug Torx screw T-20

5. Cable retainer attachment - Attach the five (5) plastic self adhesive cable retainers to the left rear and side of the dispenser as shown. Note the position and orientation of the clips.



6. Install Dispenser - Extend the slides fully. Ensure all of the cables in vault area have been moved out of the way before installing mechanism. With cassettes removed, lift the NMD-50 by the green handles and align the rails on the dispenser with the slide rails. Start inserting the rail on the **RIGHT** *first*, then the **LEFT**, due to the offset of the rails. Slide the mechanism up to the rail stops, then push the **RIGHT** release in, then **LEFT**, and continue sliding the mechanism fully into the cabinet. Repeat extending/inserting the mechanism into the cabinet a few times to ensure there is no binding of the slide rails. The first few times will be difficult.



*Rails extended (offset).
Right is longer*

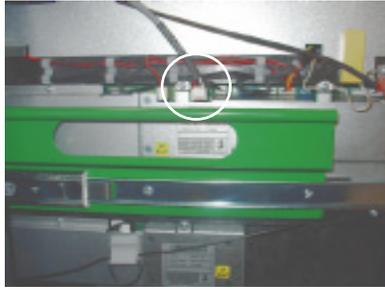


Release tab

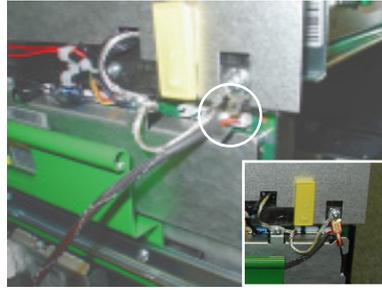
Push release tabs "in".

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7. Dispenser Cables - Connect the power, data, and ground wires to the NMD-50 as shown. Route the cables through the cable clips attached to the mechanism covers .

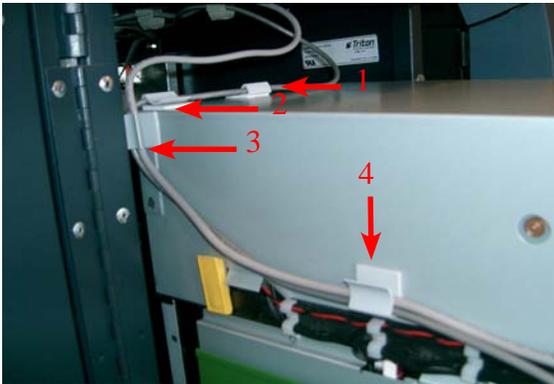


Power cable connection.



Data/ground connections.

Dispenser Cables - The longer cable routes through retainers 1,2,3,and 4. The shorter cable routes through retainers 3 and 4 only. The ground cable routes through retainer 5 only. Any excess ground cable can be bundled inside retainer 5.



8. Push dispenser back into the cabinet, ensuring there is no binding of the slides or cables.
9. Cassettes - Place empty cassettes into dispenser. Close the door to ensure there is no interference with the dispenser.



10. Cassette Load - Restart the unit and refer to the NMD-50 quickcard, (07100-00024) with this kit, for instructions to load the cassettes.