



9640-To-9600

CONVERSION PROCEDURE

VERSION 2.0

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CONVERSION PROCEDURE

PURPOSE

This section covers the conversion of a Model 9640 ATM to a Model 9600 ATM. This procedure includes a list of all tools and hardware necessary for the conversion as well as the exact steps involved.

SCOPE

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

REQUIRED PARTS AND TOOLS

PARTS SUPPLIED		
9640-to-9600 CONVERSION KIT PN: 06200-00047		
1	06100-00000	Dispenser Mechanism Kit:
	1	09005-00004 Currency Cassette
	1	09005-00038 Standard Mechanism
	1	04003-00094 Cassette Loading Tray
	1	04003-00062 Cassette Loading Keys
	1	07003-00011 Cassette Warning label
	1	07003-00014 Cassette Adjustment Label
1	03011-00434	9640 SDD dispenser tray
1	09120-00026	9600 Backplane to Mech DC Power Cable
1	09600-00027	9600 EJ-to-Mech Dispenser Cable Rev. B
6	02054-00048	#8-32X3/8 Screw - Phillips Truss Head
6	02301-00040	#8-32 Sem Nut (Hex Nut with Integral Washer)
2	02301-00007	1/4-20 Zinc, Steel Wing Nut
1	01030-00010	Ferrite Module
1	07103-00032	9600 Operations Manual
1	03015-00046	Bill Tray Assembly
4	02302-00005	1/4-20 x 3/8 Hex Bolt
4	02309-00016	1/4 Lock Washer, Split
TOOLS NEEDED		
7/16-in. (11 mm) Nut Driver		
#1 and #2 Phillips Screwdrivers		
Small and Medium Flat Head Screwdrivers		
Thread Lock Compound (Pacer INSTA-LOC # ISL-22 or equivalent)		

WHAT STYLE DISPENSING MECHANISM DO I HAVE?

The dispensing mechanism used in 9600-series Cash Dispensers is available in both an older and a newer chassis design.

BE SURE TO NOTE THE TYPE OF DISPENSER, AS THIS WILL DETERMINE HOW THE DISPENSER WILL BE MOUNTED TO THE SLIDE TRAY.

An easy way to tell which type of dispenser mechanism you have is to look at the structural members across the top of the chassis.

Older-style dispensers use a series of metal support bars that span the width of the chassis, as shown here:



Older-style dispensing mechanism.

Newer-style dispensers use a plastic support assembly, as shown here:



Newer-style dispensing mechanism.

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PROCEDURE

This section covers the conversion of a Model 9640 ATM to a Model 9600 ATM. This procedure includes a list of all tools and hardware necessary for the conversion as well as the exact steps involved. Before proceeding, follow these steps to remove power from the ATM:

1. Unlock and open the ATM control panel.
2. Turn the power switch to the OFF (0) position. If possible, turn power off at the utility panel or circuit breaker that supplies power to the unit.
3. Finally, unplug the ATM power cord at the wall outlet.

INSTALL BILL TRAY

1. Remove the bolts that secure the existing bill chute assembly from the security cabinet door.

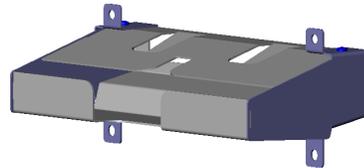


9640 Bill Tray.



Remove four bolts and then remove the 9640 bill chute assembly.

2. Insert the new bill tray (03015-00046) into the slot in the door. Secure the tray using the four included bolts (02302-00005) and washers (02309-00016).



Bill Tray (03015-00046)



Insert Bill Tray.



Attach Bill Tray.



Bill Tray attached.

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REMOVE 9640 DISPENSER

1. Slide the 9640 dispenser out on its rails. Turn the dispenser power switch to the OFF (O) position and disconnect the power cord. The power cable connector is located next to the power switch, in the top front area of the dispenser. Disconnect the data cable at the connector located on the left side of the dispenser.

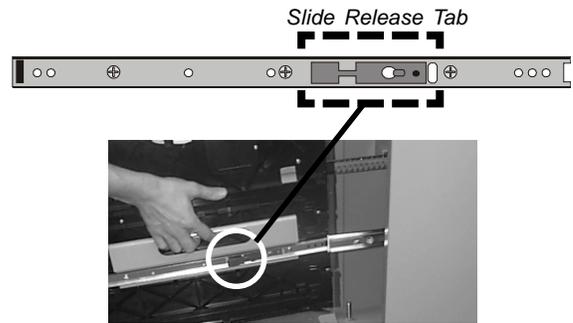


Turn dispenser power OFF and disconnect power cable.



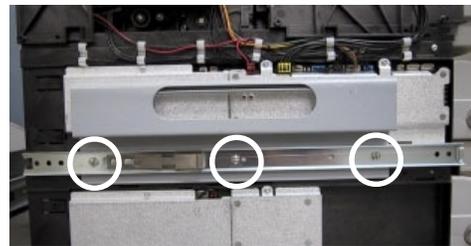
Disconnect EJ-to-Mech Data Cable

2. Press the release tabs located on each slide and remove the dispenser from the cabinet. **Warning: Two persons should be used to remove it from the ATM cabinet!**



Press release tabs and remove 9640 dispenser from cabinet slides. Use a two-person lift!

3. Using a medium flat-blade screwdriver, remove the screws that secure the inner slide members to the left and right brackets on the 9640 dispenser. Retain the slides for a later step.



Remove three screws that secure each slide member to 9640 dispenser chassis.

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INSTALL POWER AND DATA CABLES

1. At the Electronic Journal (EJ), disconnect the EJ-to-Mech data cable, using a small flat head screwdriver to release the connector screws. Remove the cable.

EJ-to-Mech Data Cable *EJ-to-ATM Backplane Cable*



Disconnect the existing 9640 EJ-to-Mech Data Cable

2. Disconnect the 9640 mech power cable, which is plugged into the power supply plate (right side of card cage module). Note: the 9640 power cable on your ATM may be connected to a different plug than is shown in the figure. Pull the cable through the oval access hole and remove the cable.

Temporarily unplug the ATM power cable and any other cable that may be connected to the power supply plate.

Power Cables

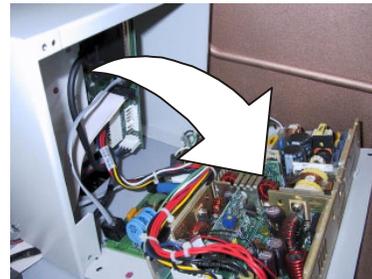


Unplug the power cables from the ATM power supply panel.



Remove Phillips screws.

3. Remove the two Phillips screws located in the upper corners of the power supply plate. Pivot the power supply plate down to gain access to the interior of the card cage module.



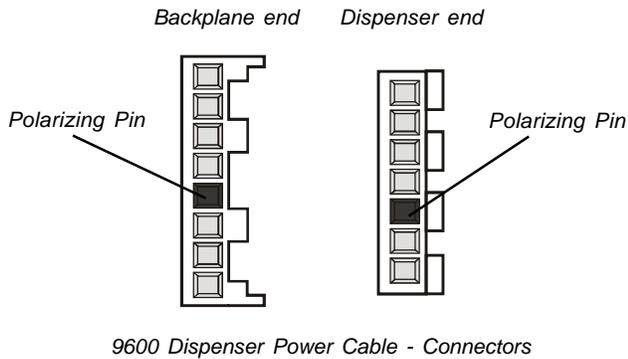
Lower power supply plate to gain access to card cage interior.

4. Plug the backplane end (eight-position connector) of the 9600 Backplane-to-Mech DC Power Cable (09600-00013) into J9 on the backplane. **There is a polarizing pin on the connector, so make sure that the connector is properly aligned with the mating connector on the backplane!**



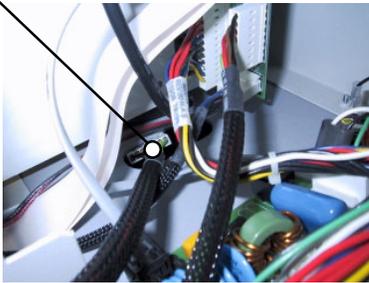
Location of mech power connector J9.

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5. Route the free end of the cable (the end with the seven-position connector) down through the oval slot beneath the card cage.

Dispenser end of mech power cable.



Feed dispenser end of mech power cable down through oval slot under card cage.

6. Carefully pull the cable into the security cabinet.



Feed dispenser-end of mech power cable down through oval slot. Pull cable into security cabinet.

7. Route the dispenser power cable through the cabinet cable clips.



Route dispenser power cable through cable clips.

8. In the card cage, clip the Ferrite Module onto the dispenser power cable.



Clip Ferrite Module to mech power cable.

9. Close the power supply and install the two mounting screws back into the power supply plate. Reconnect the power plugs that were removed previously (except for the 9640 power cable, which is no longer required).

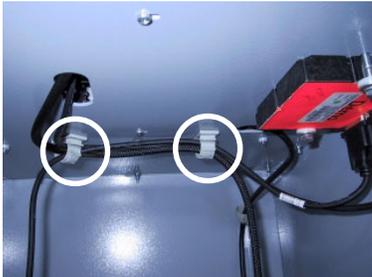
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10. Connect the EJ-to-Mech Dispenser Cable (09600-00027) to the Electronic Journal. Route the cable through the cable clips.



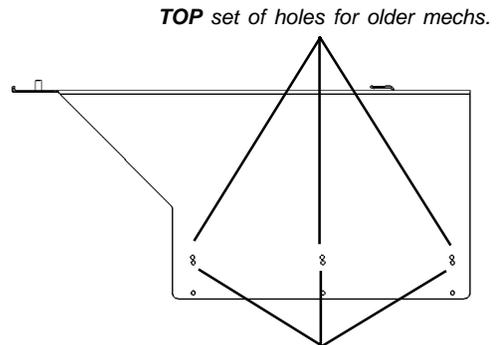
Connect EJ-to-Mech data cable to the Electronic Journal.



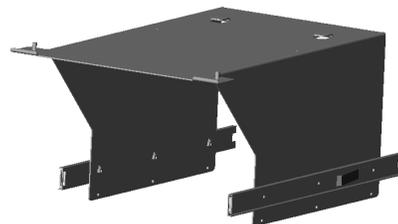
Route EJ-to-Mech data cable through cable clips.

INSTALL 9600 DISPENSER SLIDE TRAY

The SDD slide tray has three sets of holes: Top, Middle and Bottom. Based on the dispenser type, you will use either the **Top** or **Middle** holes to attach the slide members, as indicated:



MIDDLE set of holes for newer mechs.



For older-style mechs, attach slide using **TOP** set of holes. For newer mechs, use **MIDDLE** holes.

1. **IMPORTANT: APPLY A SMALL AMOUNT OF THREAD LOCK COMPOUND TO THE TIP OF EACH SLIDE MOUNTING SCREW!**

Attach an inner slide member (removed from the 9640 dispenser in a previous step) to the SDD dispenser slide tray (03011-00434), using three included screws (02054-00048) and nuts (02301-00040). **DO NOT TIGHTEN THE SCREWS AT THIS TIME!** Repeat for the other slide member.

- For older-style SDD dispensers, **use the top set of holes!**
- For newer-style SDD dispensers, **use the middle set of holes!**

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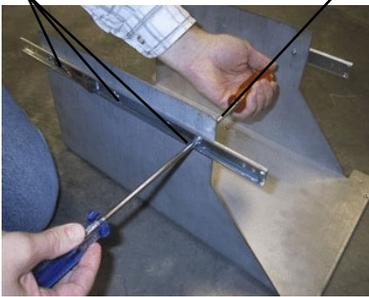
2. Pull each slide forward to remove any play within the mounting holes. Tighten the screws firmly to secure each slide member.



Pull each slide forward before tightening screws.

Insert screws from this side.

Use nuts to secure screws



Use a nutdriver and a Phillips screwdriver to attach the inner slide members to the SDD Dispenser Tray.

3. In the security cabinet, grasp the outer slide members and pull them out to the fully extended position.



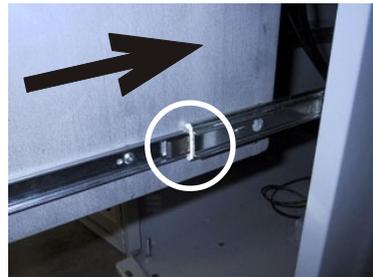
Pull outer slide members to fully extended position.

4. Install the slide tray by carefully aligning the ends of the left and right inner slides on the tray with the corresponding slots on the cabinet rails.



Align left and right inner slide ends with slots on cabinet rails.

When the left and right slides are lined up, slowly push the slides into the outer rails. Continue pushing until you reach the rail stops. The tray should be completely within the security cabinet enclosure.



Push inner slides into cabinet rails.



Slide Tray installed. Shown in operating position

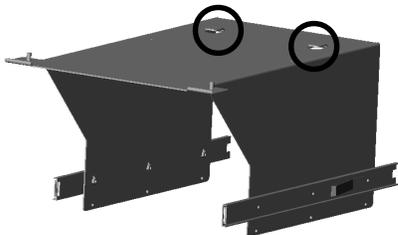
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Slowly extend the slide tray on the rails. Stop when the rails are fully extended. This is the service position for the slide tray.

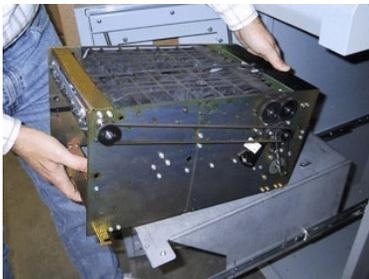


Slide Tray installed. Shown in service position

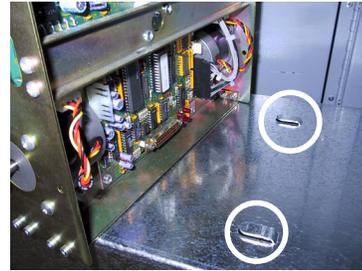
5. Place Dispenser Mechanism on slide tray, allowing enough space at the rear of the mechanism to allow access to the control board. **Do not slide the mechanism under the rear tabs on the tray until directed to do so in a later step!**



Location of slide tray tabs.



Place dispenser mechanism on slide tray.



Dispenser mechanism on slide tray. Do not slide mechanism under rear tabs until power and data cables have been connected!

6. Plug the Dispenser Power Cable (09600-00013) into the mating connector (PL2) also located on the back of the dispenser. **Make sure the DC power cable is plugged into the mating connector properly before proceeding.**



Attach power cable to dispenser control board.

7. Plug the Dispenser Data Cable (09600-00027) into the mating DB25 connector (PL6) located on the back of the dispenser, using a small flat head screwdriver.

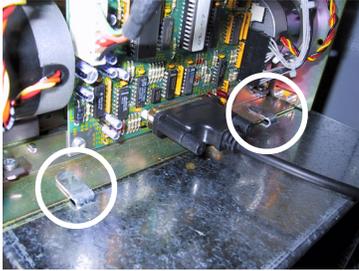


Attach data cable to dispenser control board.

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8. Lift the dispenser slightly and slide the bottom rear edge of the unit under the two tabs on the slide tray.



Slide bottom rear edge of dispensing mechanism under tabs on slide tray.

Lower the front of the dispenser, making sure the cutouts in the left and right chassis extensions hook the two threaded bolts that are built in to the top front of the slide tray. The dispenser should lay flush with the surface of the slide tray.



Hook chassis cutouts on slide tray bolts

Place the two included wing nuts on the threaded bolts and secure the dispenser to the slide tray.



Secure left and right corners of dispenser to slide tray using included wing nuts.

9. Slide the dispenser into the cabinet while viewing the dispenser cables. Ensure the cables don't catch on anything.
10. Load the currency cassette, prime it and then install it into the dispensing mechanism. **Refer to the 9600 Operations Manual (07103-00032) for instructions on loading the cassette!**
11. After installing the cassette, push the slide tray into the cabinet and close the security cabinet door. Check that the dispenser currency exit and the bill tray opening align. Close and lock the security cabinet.
12. Plug the ATM main power cord back into the wall outlet and turn the power on at the service panel, if needed. Turn the ATM power switch to ON (I).

Refer to the 9600 Operations Manual for additional information regarding the software setup of the unit. For additional help, contact the Triton Technical Service Department.