



INSTALLATION MANUAL

AUSTRALIAN DISPENSER UPGRADE

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REVISION HISTORY

October 30, 2018	Add TDM guide rail settings for polymer notes	ECO 1032221
November 26, 2018	Add MiniMech upgrade kit	
May 08, 2019	Update HCDU dispenser cable image	
October 03, 2019	Update Minimech guide rail placements	

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Manufacturer warrants that the products delivered to a distributor will perform in accordance with the Manufacturer's published specifications for thirteen months from date of shipment from Long Beach, MS. Manufacturer's warranty shall not apply to any damage resulting from abuse, negligence or accident, or to any loss or damage to the product(s) while in transit. Written notice and explanation of circumstances surrounding any claims that the goods have proved defective in material or workmanship shall be given promptly from the distributor to the manufacturer. No claim may be made, or action brought, by or through a distributor after the expiration of 14 months following any alleged breach of warranty.

Distributor's sole and exclusive remedy in the event of defect is expressly limited to the replacement or correction of such defective parts by manufacturer at its election and sole expense, except there shall be no obligation to replace or repair items which, by their nature, are expendable.

These terms and conditions shall be governed by and construed in accordance with the provisions of the Uniform Commercial Code as adopted by the State of Mississippi.

For detailed warranty information by unit, Software End-User Agreement, access to ADA compliance statement, ANSI statement of compliance, ISO 9001 compliance certificate, PCI v3 EPP certifications, card reader TQM certifications, EMV certifications and more, please visit www.tritonatm.com.

PURPOSE

This installation guide provides information, methods, and easy-to-follow instructions for installation of firmware and various dispenser upgrades.

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Required Tools	No. 2 Phillips screwdriver Snips	
Kit 41017-00006	HCDU UPGRADE KIT	
Part #	Description	Qty
1	Double detect emitter board	1
2	Double detect receiver board	1
3	Cable harness	1

****Note****

09120-00923 Serial Communication Cable and 06300-00007 Firmware Loader are necessary to complete the firmware upgrade.

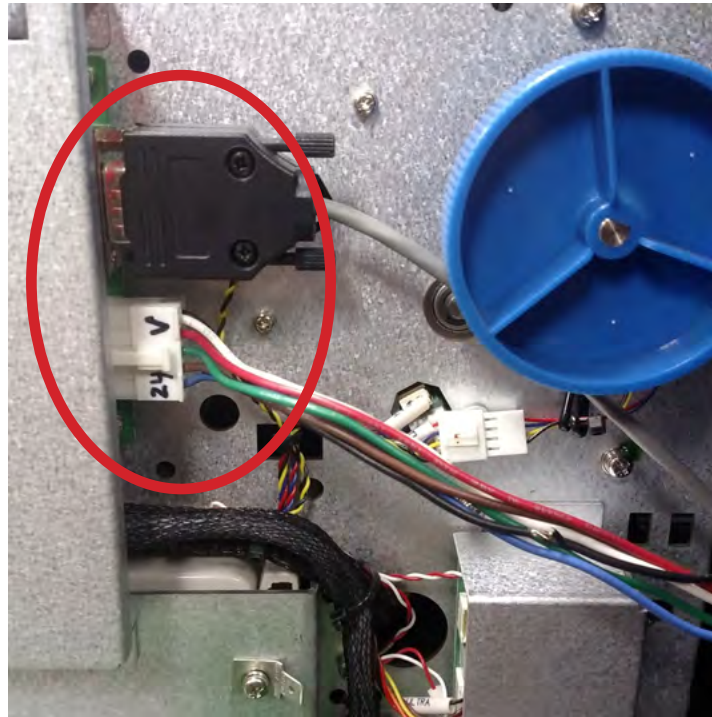


INSTALL THE HCDU UPGRADE KIT

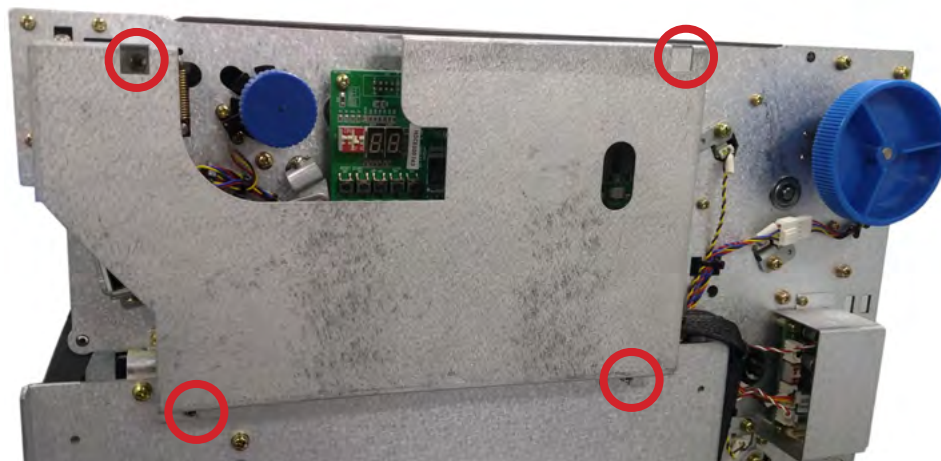
****Note****

Service technician will need a firmware loader comloc and serial communication cable to complete this upgrade.

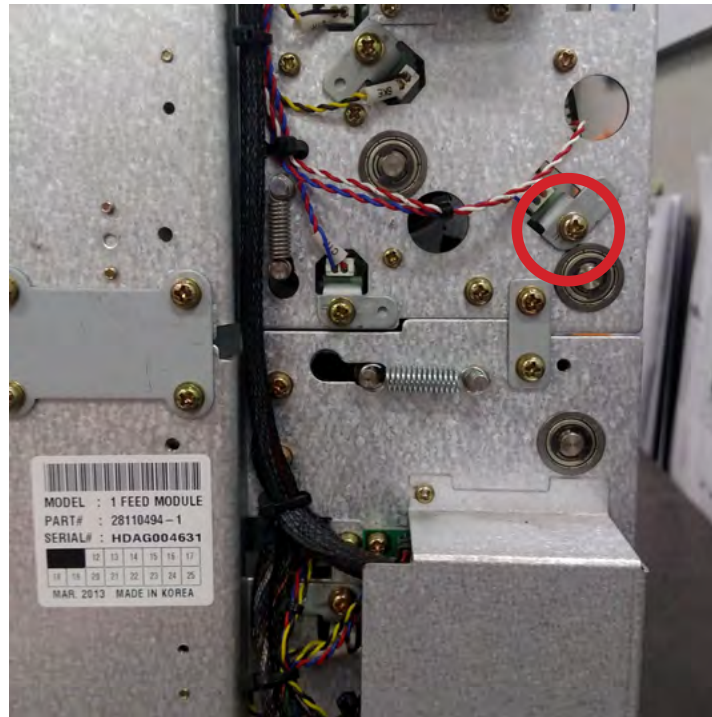
1. Perform a proper shutdown of ATM via *Management Functions > System Parameters > Shut Down the Terminal.*
2. When prompted, place the power switch on the power supply to the off (O) position.
3. Access the vault.
4. Pull dispenser out to fully extended position.
5. Unplug dispenser power cable and communications cable. Detach ground wire if necessary and remove cables from cable clips, if necessary.



6. Grasp green handles on each side of dispenser and lift straight up and off rails.
7. Place dispenser on flat work surface or table.
8. Remove handles, then loosen the four screws securing the cover over the dispenser main board.
9. Slide cover up until notches clear the screws, then lift away.



10. Unplug red/blue wire on cable harness from double detect emitter board.
11. Remove emitter board by removing screw and routing board out through square opening. Retain screw for reinstallation.



12. Remove new emitter board (with clear LEDs) from upgrade kit. Slide emitter board into square opening and align notch into top hole.

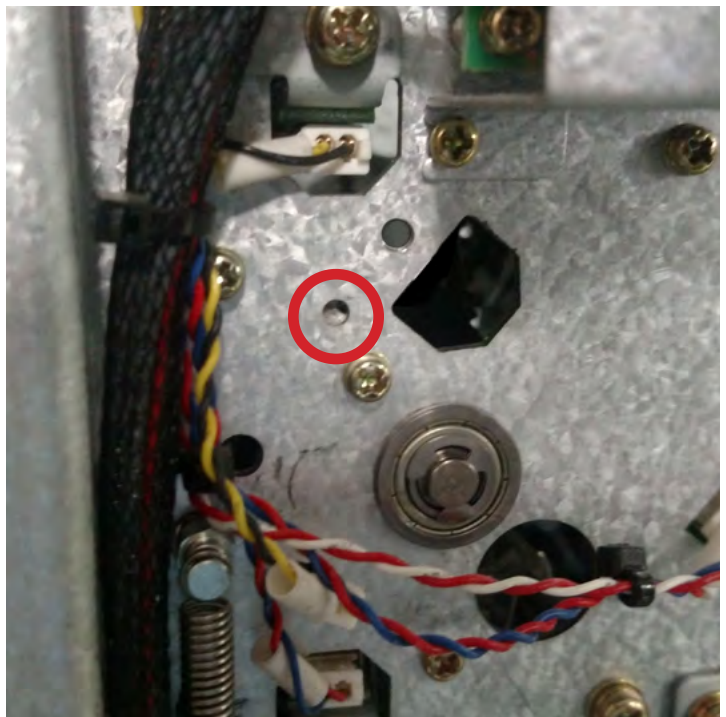


13. Secure emitter board with screw removed in step 11.

14. Unplug the yellow/black wire on cable harness from double detect receiver board.
15. Remove receiver board (with black sensors) by removing screw and routing board out through square opening. Retain screw for reinstallation.

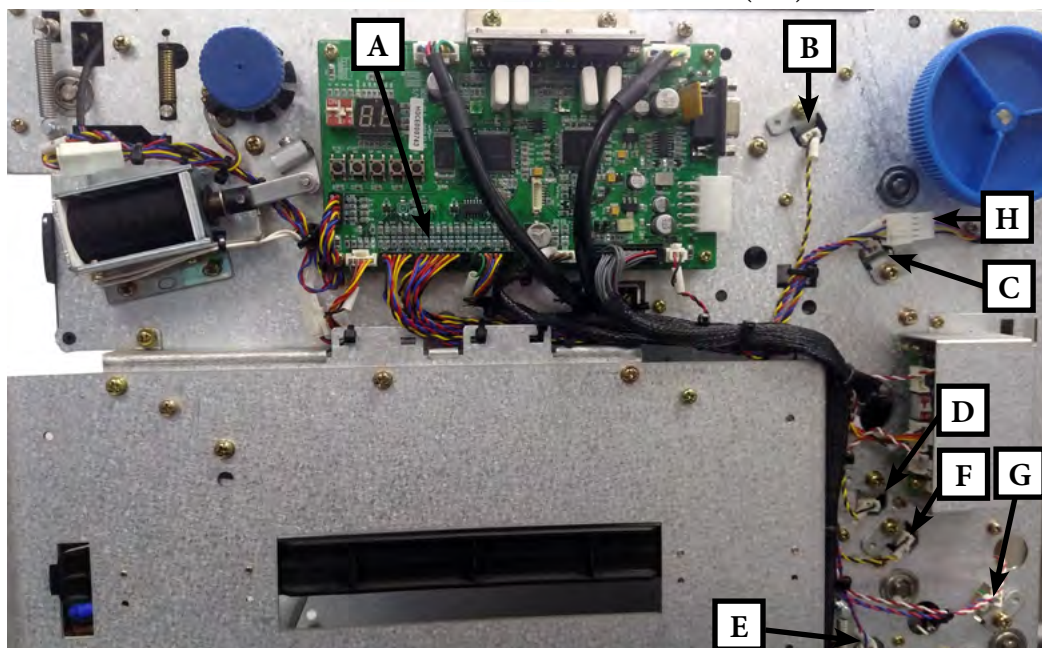
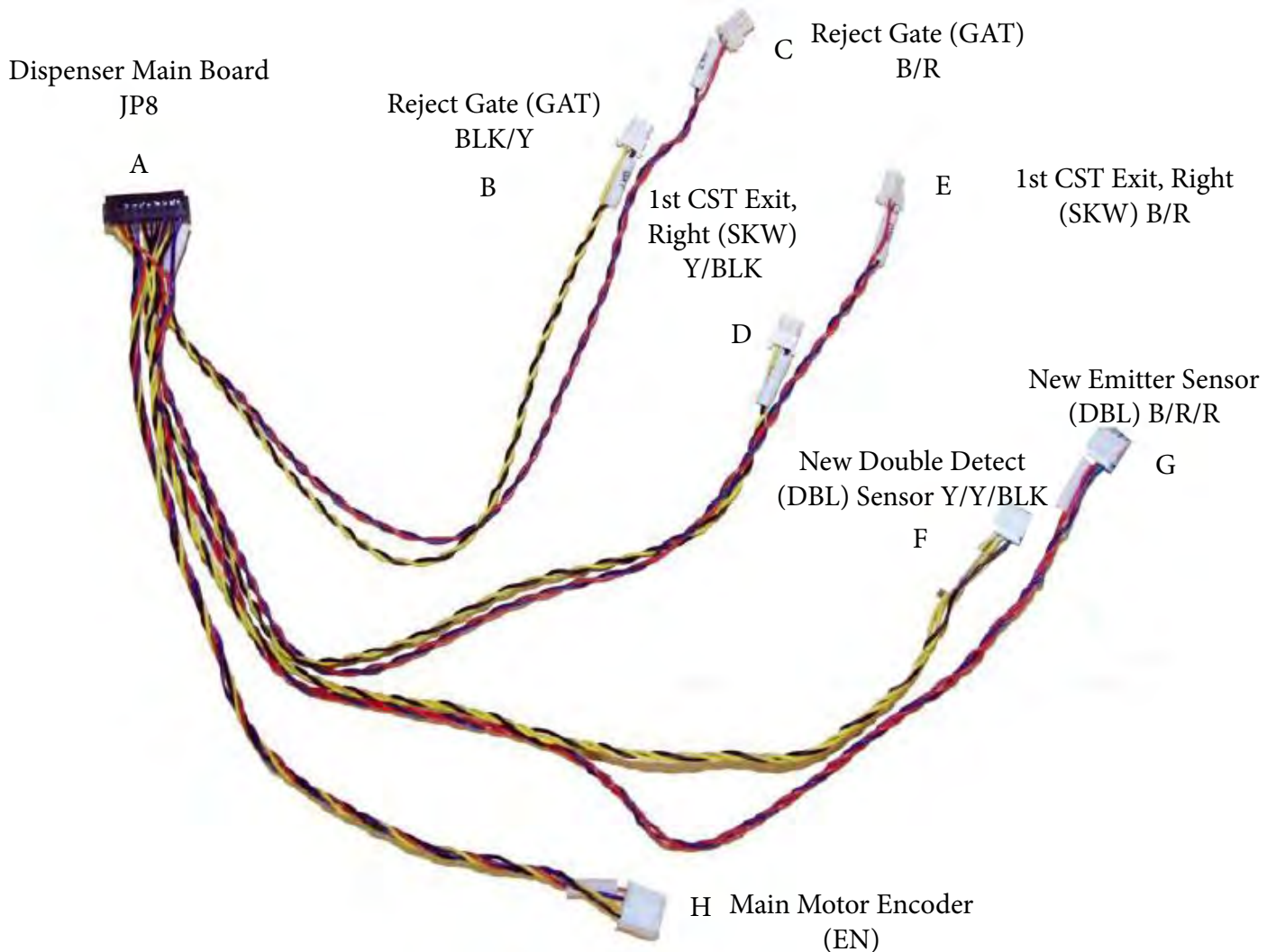


16. Remove new receiver board (with black sensors) from upgrade kit. Slide receiver board into square opening and align notch into bottom hole.



17. Secure receiver board with screw removed in step 15.

18. Snip TY wraps securing cable harness to dispenser. Gently pull wiring harness from behind metal plates and snip any TY wraps securing cable harness to other wires.
19. Unplug cable harness from dispenser main board at JP8.
20. Remove new cable harness from upgrade kit and plug into dispenser main board. You may use the old cable harness as a guide. Connect rest of cable harness and secure with TY Wraps.
21. Reconnect the dispenser power cable to dispenser and available outlet or power supply.



UPGRADING CDU FIRMWARE USING PC LOADER UTILITY

A serial communication cable (p/n 09120-00923) is required to download the firmware from the PC to the serial CDU dispenser. If your PC does not have a serial port, you will also require a USB-to-serial adapter (p/n 01260-00019).

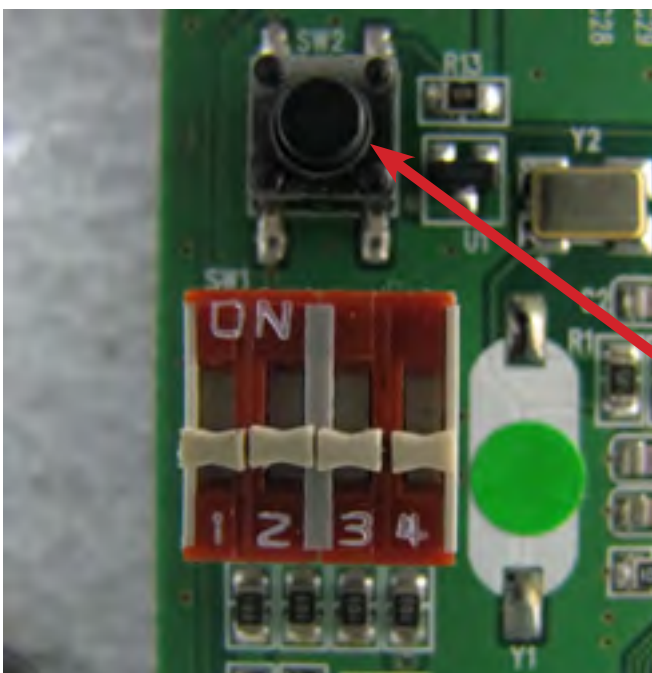
****Note****

Screen shots are indicative of what should be seen during the load process. Firmware versions and actual screens may vary.

22. Unplug the unit data cable from the dispenser, if necessary. Attach the serial communications cable from laptop/desktop computer to the dispenser.



23. Switch all four dip switches on the dispenser to the OFF position. If the dispenser is powered on when the dip switches are flipped, press black reset button near the dip switches to set the dispenser into download mode.



Reset
Button



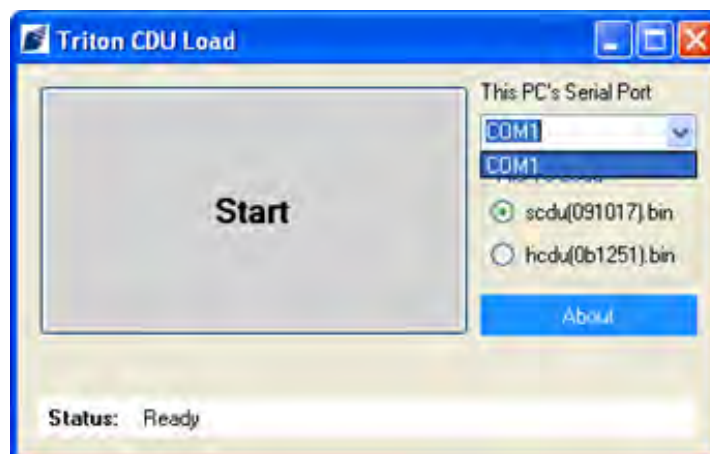
24. Insert comloc into the USB slot on PC.



25. Run the utility loader by clicking on *Start > All Programs > Triton > CDU Load*.



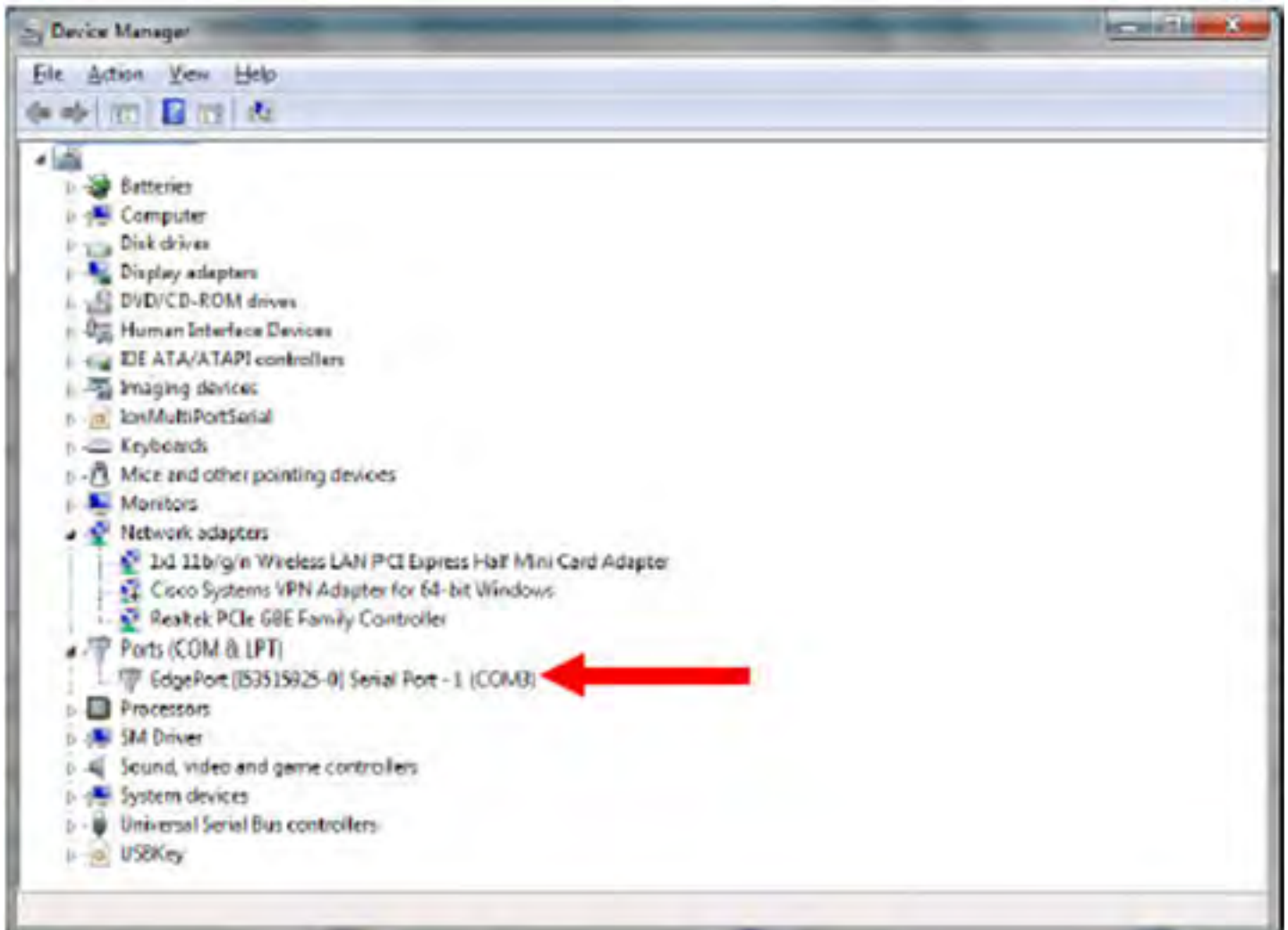
26. In the drop down box, choose the COM port where the dispenser cable is plugged in.



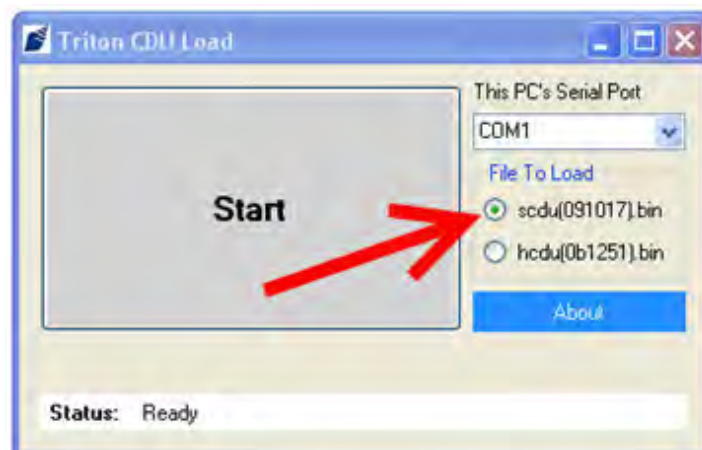
****Note****

Screen shots are for example purposes only. Firmware version may differ.

If you are using a USB-to-serial adapter, you can determine the COM port to use by going to Control Panel > Device Manager in Windows. Locate the USB-to-serial device name under ports. The COM port associated with this device is shown.

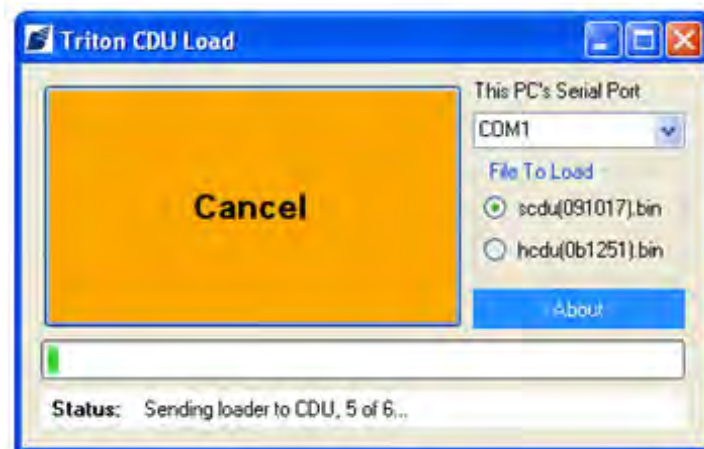
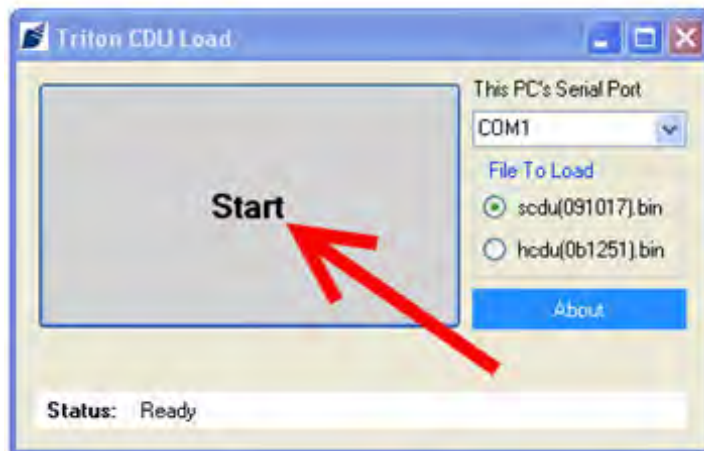


27. Choose “scdu(0910XX).bin” for a SCDU Dispenser or “hcdu(0b12XX).bin” for an HCDU dispenser. The green progress bar will advance as the load proceeds.

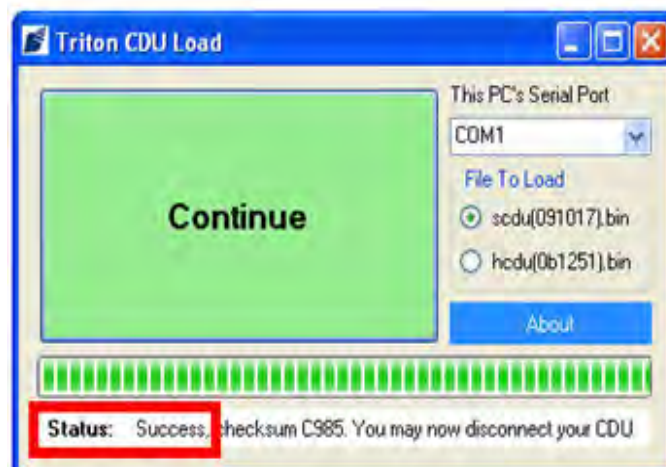


28. Click Start. The program will load onto dispenser. The status bar along the bottom will fill up with green as

the program runs.

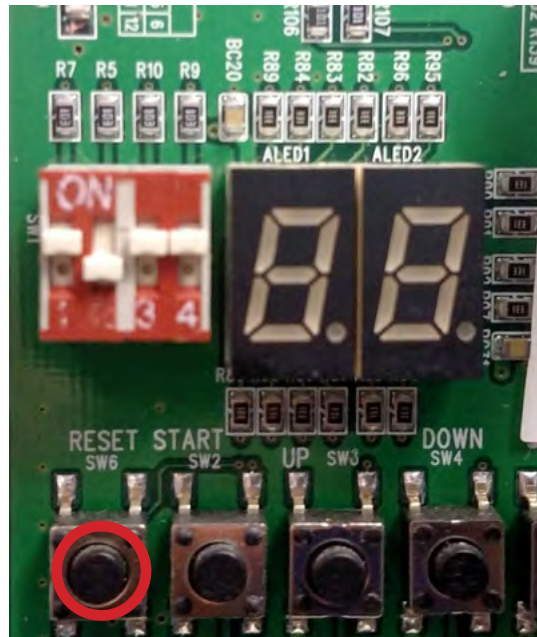


29. When the program has loaded completely, the status bar at the bottom will state **Success**. The dispenser can now be disconnected safely. Unplug the download data cable from the dispenser.



REINSTALL HCDU DISPENSER

30. Flip dip switches 1, 3, and 4 to the ON position. Press the reset button below the switches to put the dispenser into dispense mode.



31. Replace cover over dispenser main board, and tighten the four screws to secure, then install handles.
 32. Remove cassettes from dispenser.
 33. If using old cassettes, adjust cassette width rails where necessary. Rail location is dependent on denomination of new Australian polymer bank note being loaded into cassette. If using new Australian polymer-ready cassette, verify width rails are in correct location.

Bank Note	Width	Directions
AUD \$5	145 mm	Loosen two screws on each width rail. Slide rails to center position. Tighten two screws on each width rail to secure.
AUD \$10	TBA	TBA
AUD \$20	TBA	TBA
AUD \$50	TBA	TBA
AUD \$100	TBA	TBA

34. Load or replenish bank notes in cassettes. Close and lock cassettes.
 35. Install cassettes in dispenser.
 36. Grasp green handles on either side of dispenser and lower dispenser onto slide rails. Ensure dispenser seats onto round tabs on the slide rails.

37. Reconnect dispenser power cable and communications cable. Reattach ground wire if necessary.



38. If the dispenser is installed in an ATM at the time of upgrade, restart the unit.

39. Once the load is complete, review the ATM configuration summary. Verify the dispenser firmware.

Dispenser

Device ID: Hantle MCDU-H1

Firmware Ver: MCDU-H1-U2-0B.12.69

Device Status: 0 (Success)

Number of Cassettes: 3

Cassette A

Multiple Amount: \$10.00

Document Type: Cash

Cassette In Service: Yes

Device ID: Hantle MCDU-H1

Firmware Ver: MCDU-H1-U2-0B.12.69

Reject Sts: Success (0)

Security Module

Serial Number:

Security Module Version: SM-

01.01.011

Security Module Keys Synchronized:

Yes

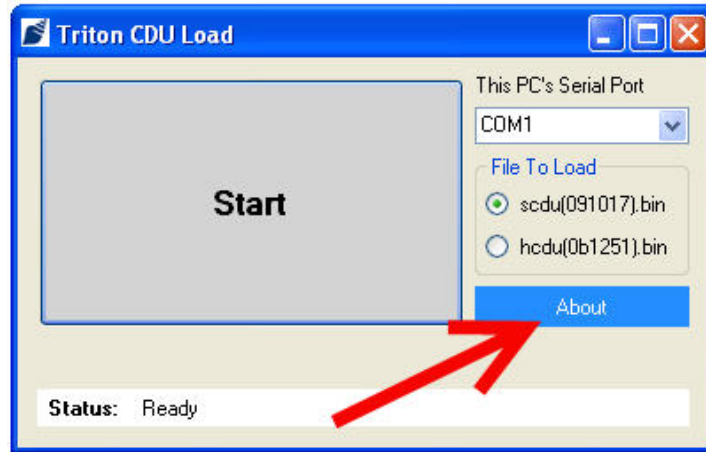
40. Push levers on slide rail, one on each side of dispenser, to slide dispenser into vault.



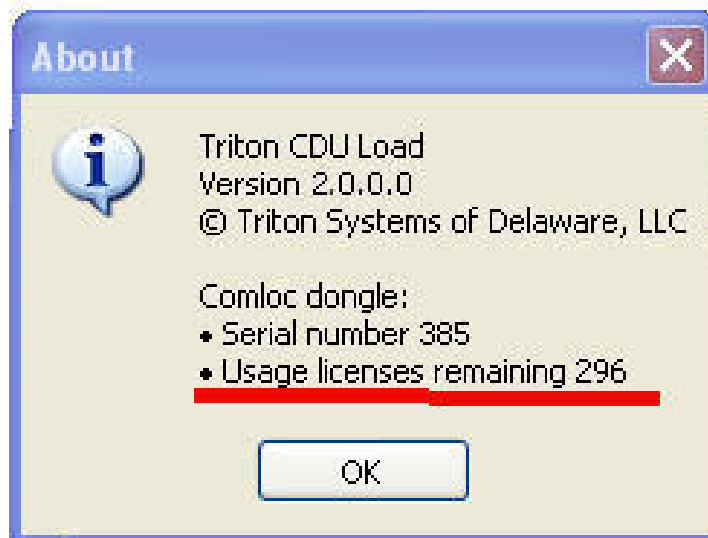
41. Close vault door.

UPDATING CDU FIRMWARE LICENSE

42. The firmware loader has a set number of downloads. To verify the number of downloads left on your system, insert the comloc into the computer, open the application, then click on **About**.



43. A window will appear that shows the application version for information. The number of remaining downloads on the systems is shown here.

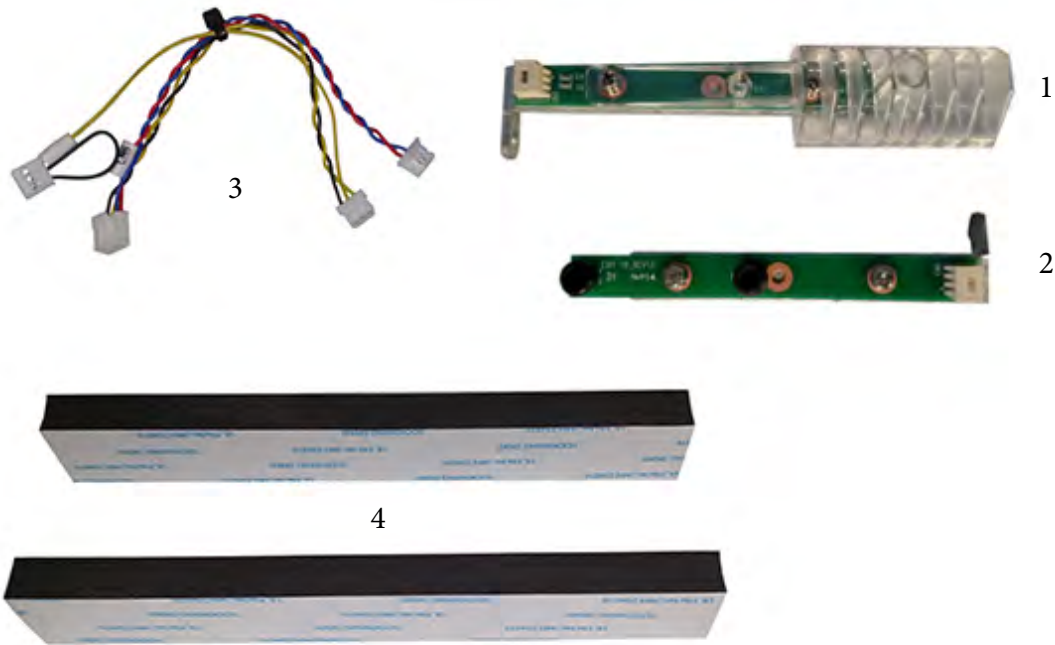


44. To purchase additional downloads, contact Triton Technical Support at 1-866-787-4866 option 4, or techsupport@triton.com.

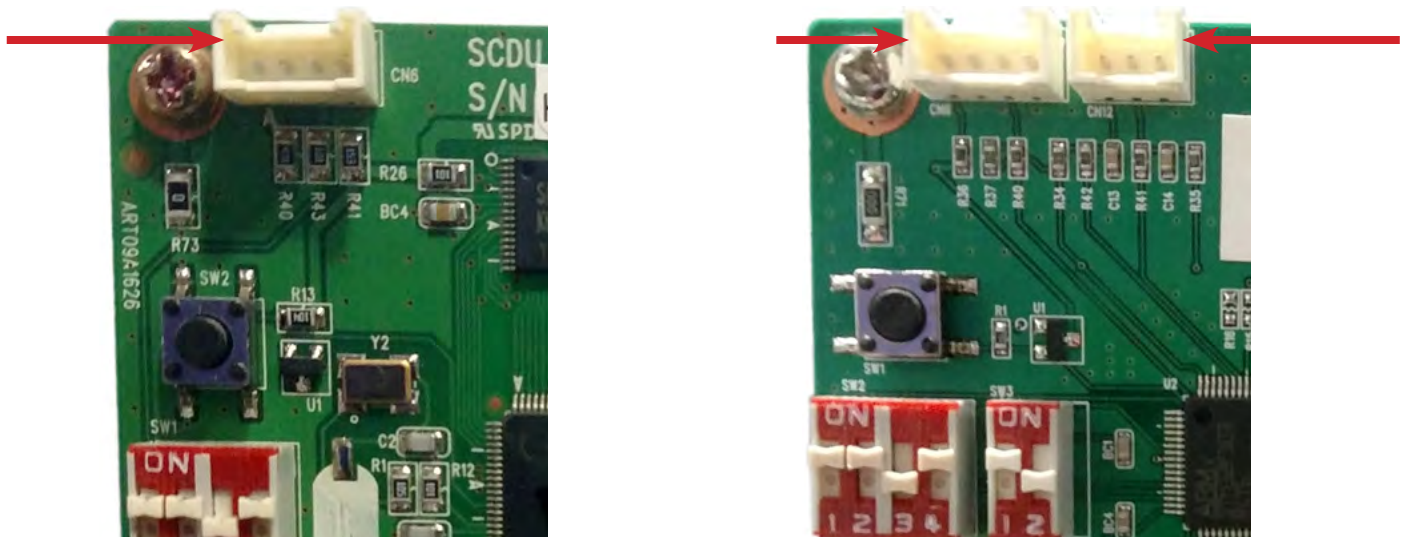
Required Tools	No. 2 phillips screwdriver	
Kit 41017-00005	SCDU UPGRADE KIT	
Part #	Description	Qty
1	Count sensor emitter board	1
2	Count sensor receiver board	1
3	Cable	1
4	Spacers	1

****Note****

09120-00923 Serial Communication Cable and 06300-00007 Firmware Loader are necessary to complete the firmware upgrade.



SCDU II and SCDU III dispensers require a second sensor channel connector on the dispenser main board to function with the New Australian Polymer Upgrade Kit. If dispenser main board does not have the second connector in the top left corner, a new dispenser main board must be purchased in addition to the upgrade kit.



INSTALL SCDU UPGRADE KIT

A serial communication cable (p/n 09120-00923) is required to download the firmware from the PC to the serial CDU dispenser. If your PC does not have a serial port, you will also require a USB-to-serial adapter. Both parts are readily available at local electronics stores.

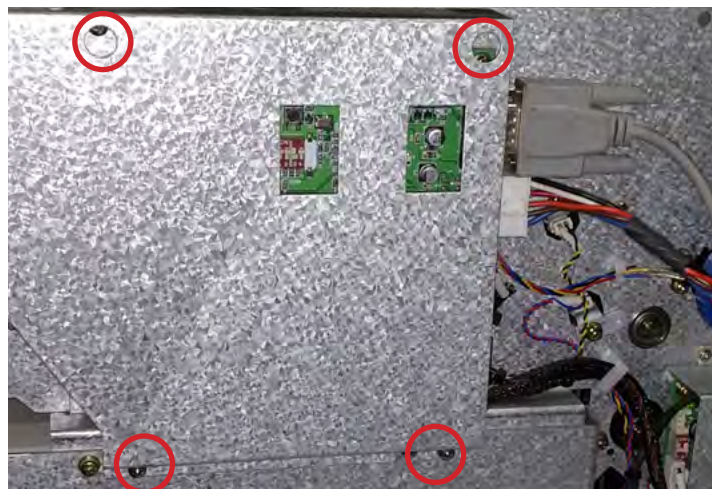
****Note****

Screen shots are indicative of what should be seen during the load process. Firmware versions and actual screens may vary.

1. Perform a proper shutdown of the ATM via *Management Functions > System Parameters > Shut Down the Terminal*.
2. When prompted, place the power switch on the power supply to the off (O) position.
3. Access the vault.
4. Unplug dispenser power cable and communications cable.



5. Remove four screws securing dispenser to tray within vault. Retain for reinstallation.
6. Remove dispenser from vault.
7. Place dispenser on a flat work surface or table if removed from unit.
8. Loosen the four screws securing the cover over the dispenser main board.
9. Slide cover up until notches clear the screws, then lift away.



10. Unplug the red/blue wire on cable harness from the count sensor emitter board.
11. Remove emitter board by removing screw and routing board out through opening. Retain screw for reinstallation.
12. Remove new emitter board from upgrade kit. Slide emitter board into opening and align notch into right-side hole.
13. Secure emitter board with screw removed in step 11.
14. Unplug the black/yellow wire on cable harness from the count sensor receiver board.
15. Remove receiver board by removing screw and routing board out through opening. Retain screw for reinstallation.

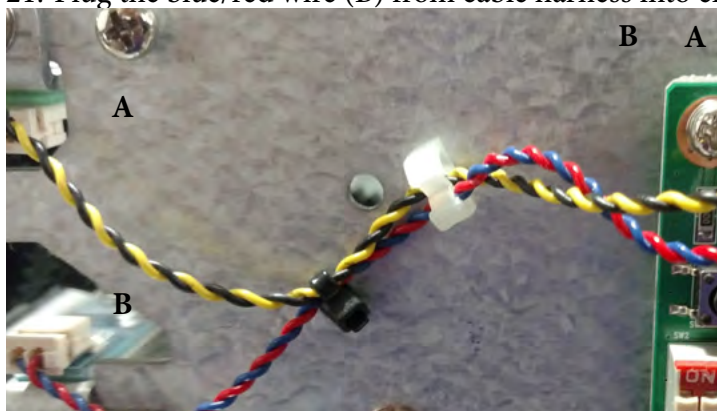


****Note****

The rubber cover on the sensor closest to the receiver board screw may need to be removed for receiver board installation. Replace rubber cover after installation.



16. Remove new receiver board from upgrade kit. Slide receiver board into opening and align notch into left side hole.
17. Secure receiver board with screw removed in step 15.
18. Unplug cable harness from the dispenser main board. Unclip from cable clip, if necessary.
19. Remove new cable harness from the upgrade kit.
20. Plug black/yellow wire (A) from cable harness into receiver board and yellow wire (A) into dispenser main board, as shown.
21. Plug the blue/red wire (B) from cable harness into emitter board and dispenser main board, as shown.



22. Reconnect the dispenser power cable to dispenser and available outlet or power supply.

UPGRADING CDU FIRMWARE USING PC LOADER UTILITY

A serial communication cable (p/n 09120-00923) is required to download the firmware from the PC to the serial CDU dispenser. If your PC does not have a serial port, you will also require a USB-to-serial adapter (p/n 01260-00019).

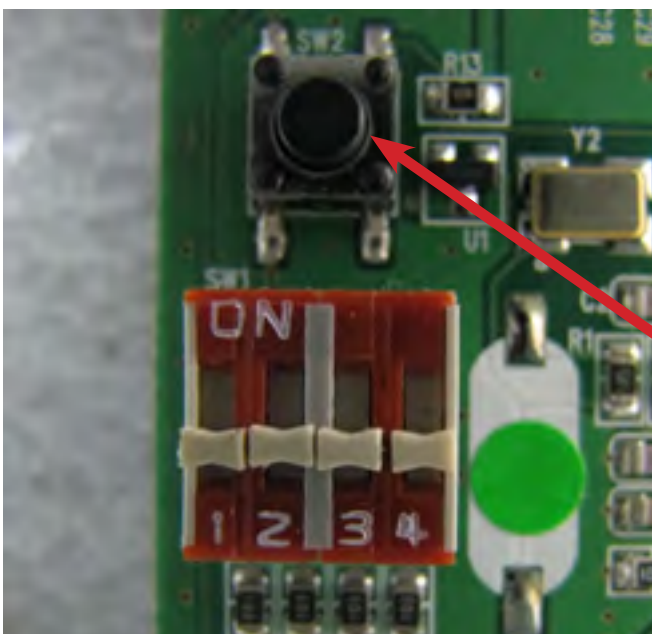
****Note****

Screen shots are indicative of what should be seen during the load process. Firmware versions and actual screens may vary.

23. Unplug the unit data cable from the dispenser if not already done. Attach the data cable from laptop/desktop computer to the dispenser.



24. Switch all four dip switches on the dispenser to the OFF position. If the dispenser is powered on when the dip switches are flipped, press black reset button near the dip switches to set the dispenser into download mode.



Reset
Button



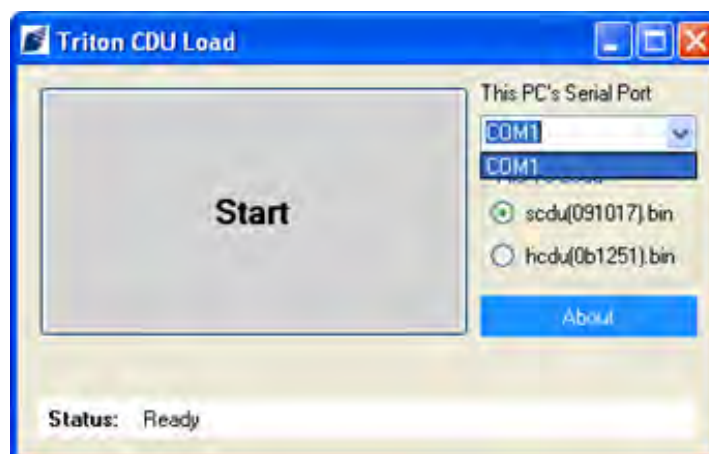
25. Insert comloc into the USB slot on PC.



26. Run the utility loader by clicking on *Start > All Programs > Triton > CDU Load*.



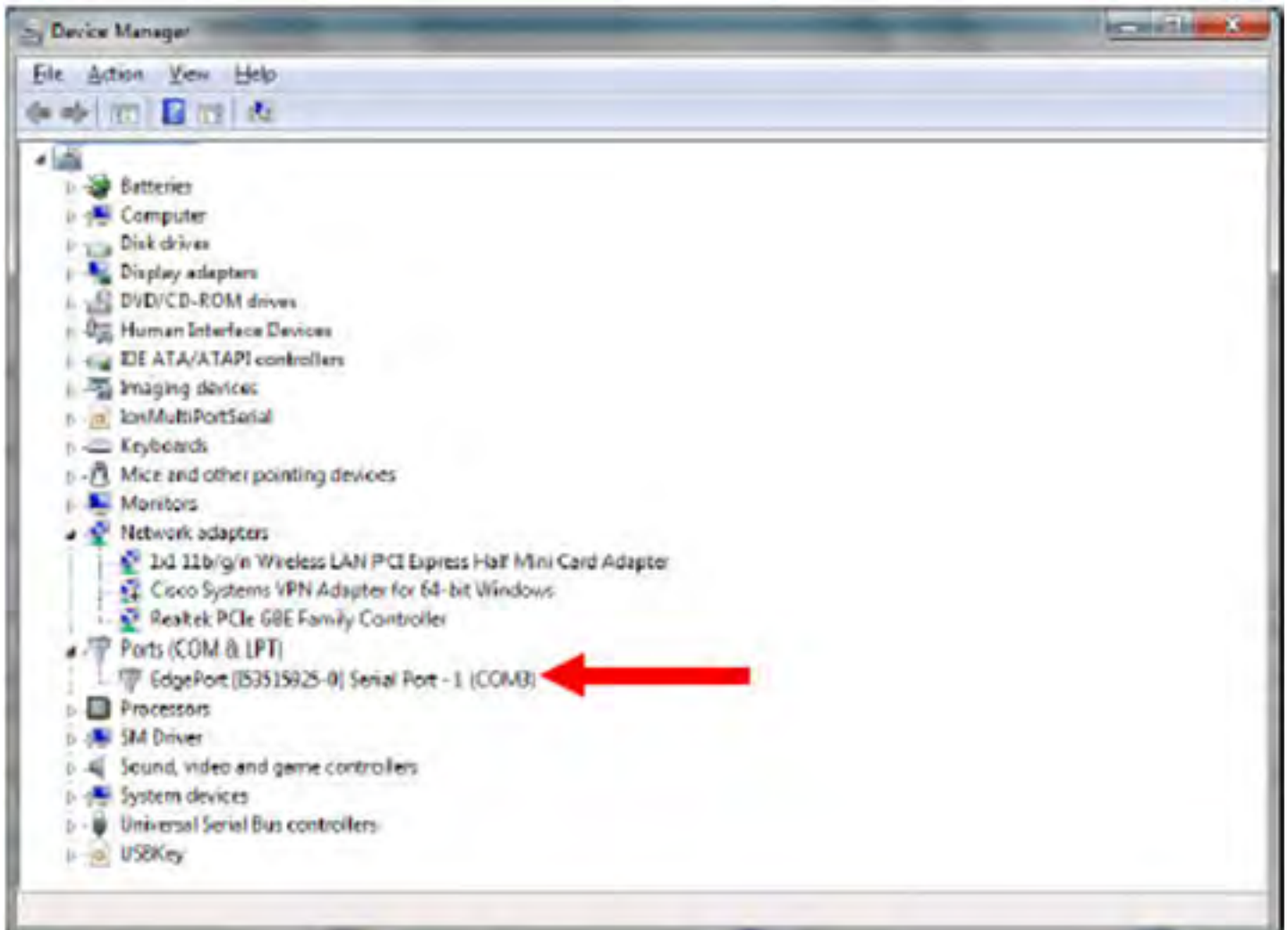
27. In the drop down box, choose the COM port where the dispenser cable is plugged in.



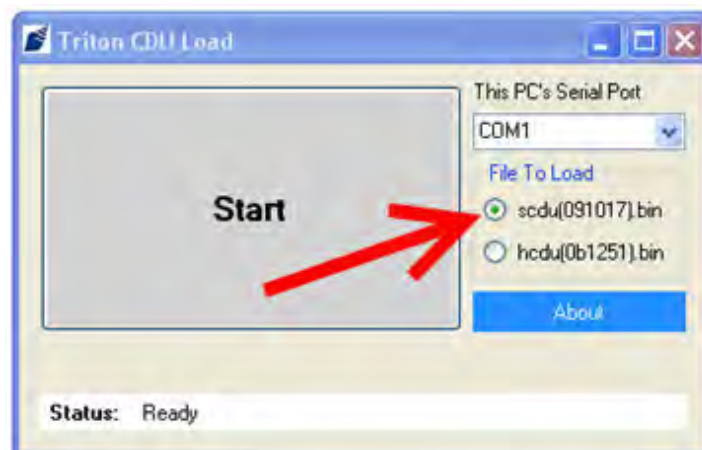
****Note****

Screen shots are for example purposes only. Firmware version may differ.

If you are using a USB-to-serial adapter, you can determine the COM port to use by going to Control Panel > Device Manager in Windows. Locate the USB-to-serial device name under ports. The COM port associated with this device is shown.

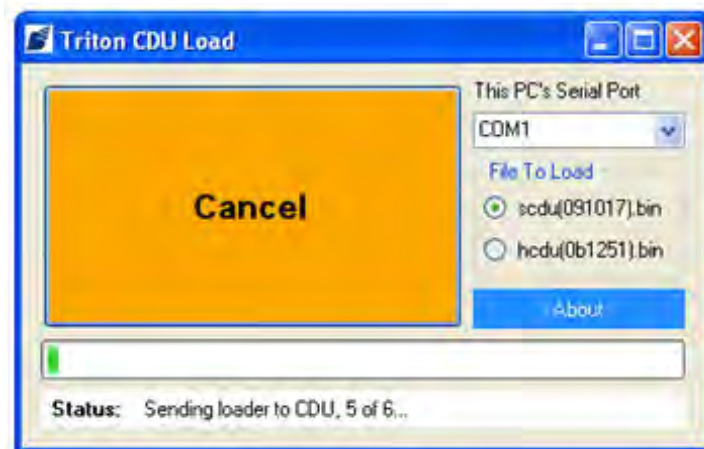
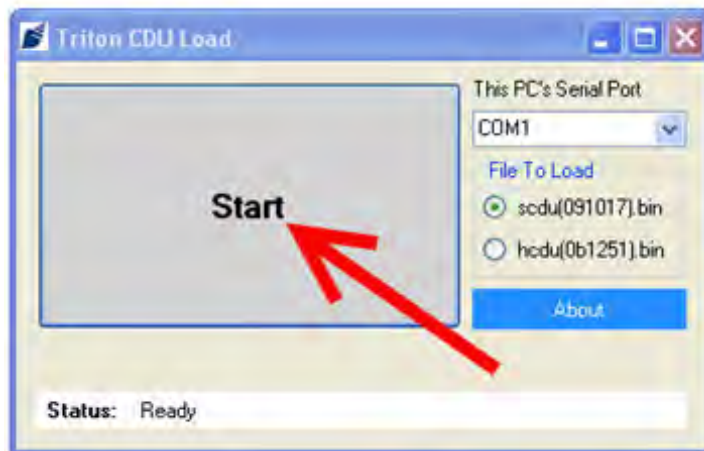


28. Choose “scdu(0910XX).bin” for a SCDU Dispenser or “hcdu(0b12XX).bin” for an HCDU dispenser. The green progress bar will advance as the load proceeds.

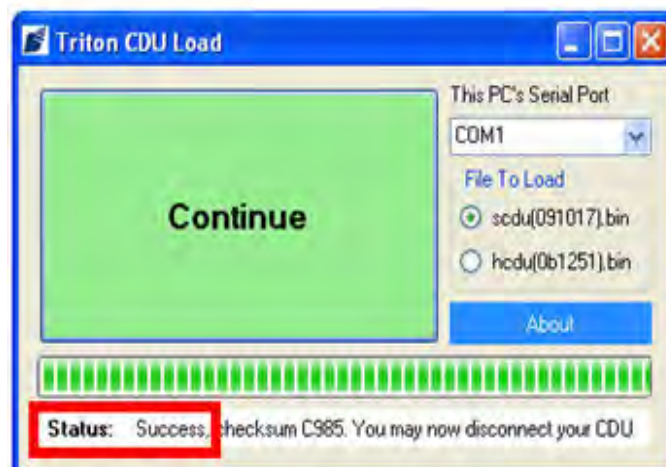


29. Click Start. The program will load onto dispenser. The status bar along the bottom will fill up with green as

the program runs.

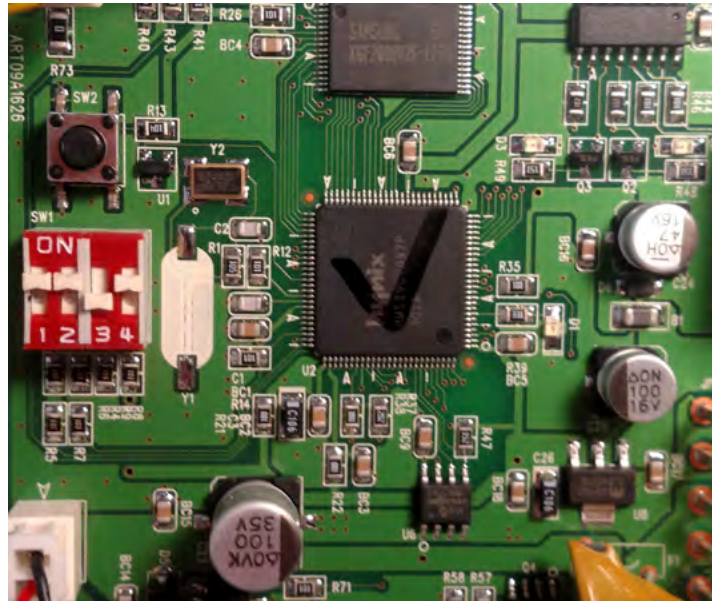


30. When the program has loaded completely, the status bar at the bottom will state **Success**. The dispenser can now be disconnected safely. Unplug the download data cable from the dispenser and reattach the unit's data cable.

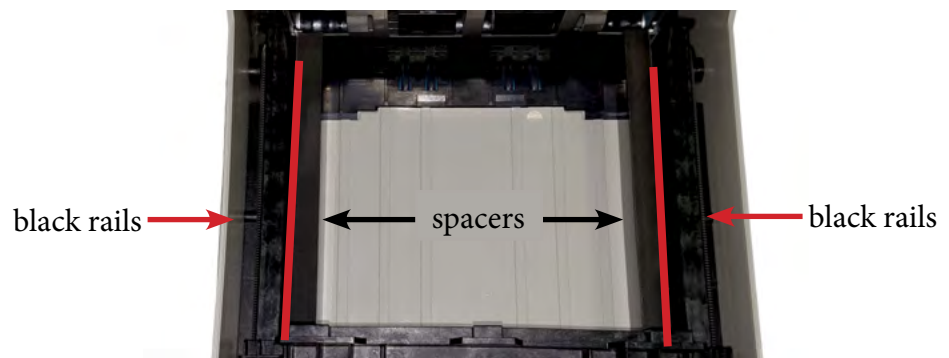


REINSTALL SCDU DISPENSER

31. Flip dip switches 1, 2, and 4 to the ON position. Press the reset button near the switches to put the dispenser into dispense mode.



32. Replace cover over dispenser main board, then tighten the four screws to secure.
33. If it will be loaded with AUD \$5.00 notes, remove the cassette from dispenser. If a new cassette was purchased, skip to step 35.
34. Install the spacers by removing the adhesive backing and mounting spacer to side of black rails as shown below. Spacers are only required for use with AUD \$5 banknotes.



35. Load notes in cassette.
36. Replace cassette in dispenser.

37. Reconnect dispenser power cable and communications cable.



38. Place dispenser into vault. Ensure slots line up with mounting holes on tray within vault.



39. Secure with screws removed in step 5.

40. Close vault door.

41. Place the power switch on the power supply to the on (I) position.

42. Once the load is complete, review the ATM configuration summary. Verify the dispenser firmware.

Dispenser

Device ID: Hantle H1

Firmware Ver: H1-09.10.20

Device Status: 0 (Success)

Number of Cassettes: 1

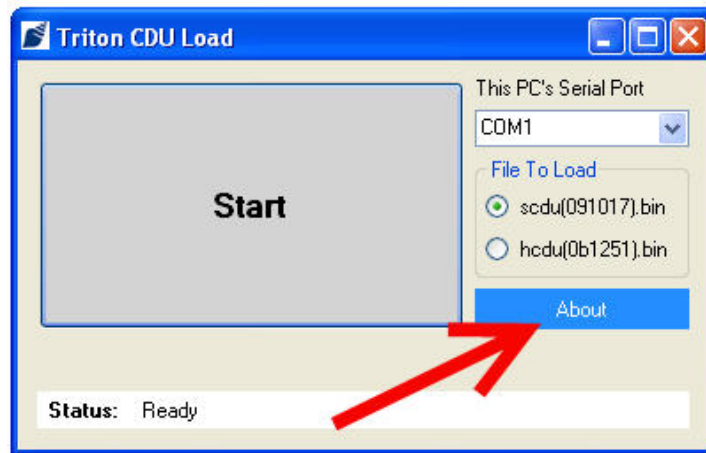
Cassette A

Multiple Amount: \$20.00

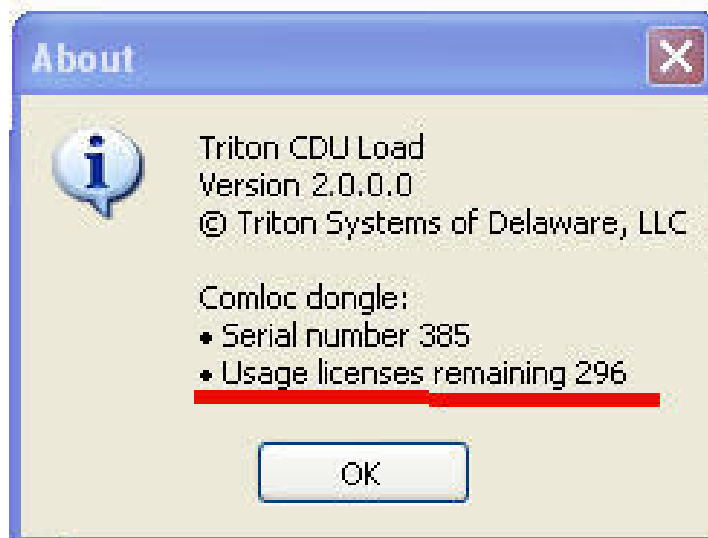
Document Type: Cash

UPDATING CDU FIRMWARE LICENSE

43. The firmware loader has a set number of downloads. To verify the number of downloads left on your system, insert the comloc into the computer, open the application, then click on **About**.



44. A window will appear that shows the application version for information. The number of remaining downloads on the systems is shown here.



45. To purchase additional downloads, contact Triton Technical Support at 1-866-787-4866 option 4, or techsupport@triton.com.

Required Tools		Torx T10 screwdriver Torx T20 screwdriver
Kit 06200-00390		NMD 50 UPGRADE KIT
Part #	Description	Qty
1	CMC 50 Rev 4	1
2	NFC 200 Rev 5	2



****Note****

NMD 50 Rev 1 or Rev 2 dispensers must be replaced with a newer model due to the number of component changes. Only dispenser revisions 3, 4, and 5 can be upgraded for the new Australian polymer notes. Revision ID plate is located on metal frame under the cassette in the top feed channel.

INSTALLING NMD 50 UPGRADE KIT

1. Perform a proper shutdown of ATM via *Management Functions > System Parameters > Shut Down the Terminal*.
2. When prompted, place the power switch on the power supply to the off (O) position.
3. Access the vault.
4. Pull dispenser out to fully extended position. Identify dispenser revision. Revision ID plate is located on metal frame under cassette in the top feed channel.



5. Unplug dispenser power cable and communications cable.
6. Lift dispenser off tabs or remove from slide rails. Place dispenser on a flat surface.
7. Remove handle assembly from main board side of dispenser by removing screws securing handle to frame with a Torx T20 screwdriver. The tabbed handle has five screws and the railed handle has three screws.



8. Disconnect cable harnesses from CMC board.



9. Using a Torx T10 screwdriver, remove screw from top of CMC cover. Retain for reinstallation. Note any ground wires that are unattached during screw removal.



** Note **

Only Rev 4 boards can be used for this upgrade. Verify new CMC board is a Rev 4.

10. Remove new CMC board from upgrade kit.



11. Plug cable harnesses into new CMC board.
12. Slide CMC board into place on dispenser and install screw removed in step 9 to secure CMC board. Ensure any necessary ground wires are reattached.

13. Using a Torx T10 screwdriver, remove screw from top of NFC board on channel 1. Retain for reinstallation. Note any ground wires that are unattached during screw removal.



**** Note ****

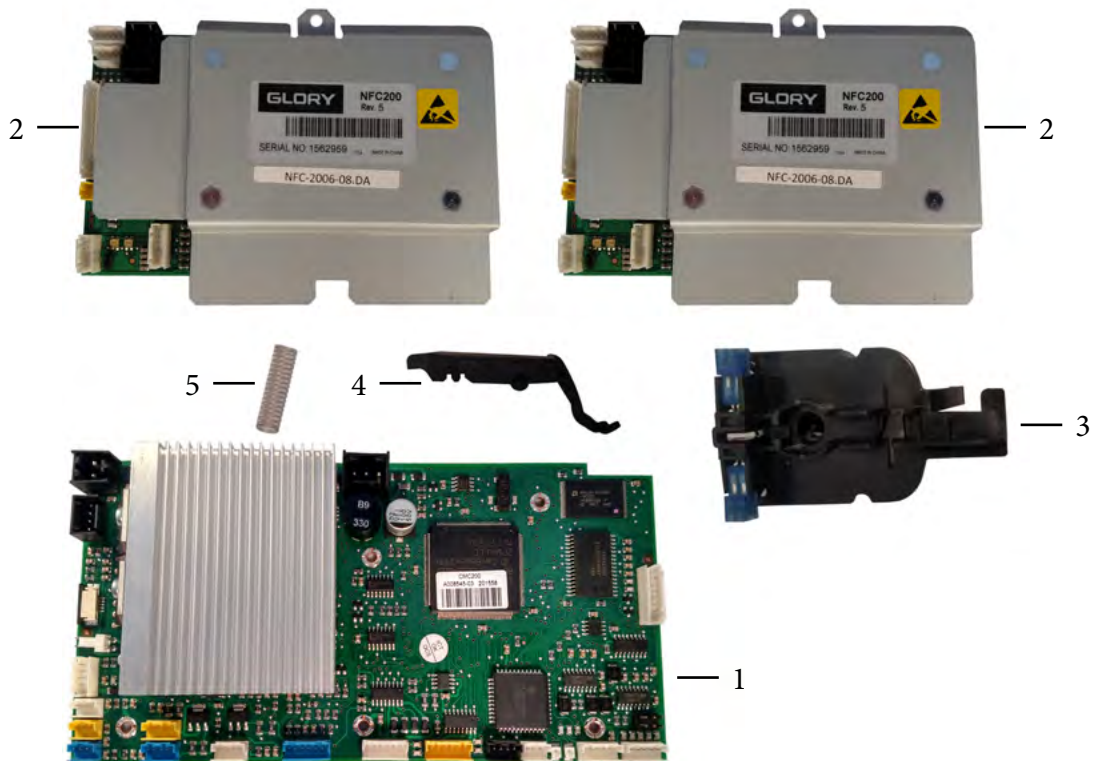
Only Rev 5 boards can be used for this upgrade. Ensure new NFC boards are Rev 5.

14. Remove new NFC board from upgrade kit.



15. Plug cable harnesses into new NFC board.
16. Slide NFC board into place on dispenser and install screw removed in step 13 to secure NFC board. Ensure any necessary ground wires are reattached.
17. Repeat steps 13-16 to replace NFC board in channel 2 and for any additional channels.
18. Replace handle assembly. Use screws removed in step 7.
19. Install dispenser into vault.
20. Plug in power and communications cables, then power on ATM.
21. Reset dispenser to factory defaults via *Management Function > Diagnostics > Dispenser > Reset Dispenser to Factory Defaults*.

Required Tools	Torx T10 screwdriver Torx T20 screwdriver Flat head screwdriver Snips	
Kit 06200-00390	NMD 100 UPGRADE KIT	
Part #	Description	Qty
1	CMC 200 Rev 3	1
2	NFC 200 Rev 5	2
3	Mechanical sensor	1
4	Lever	1
5	Spring	1



****Note****

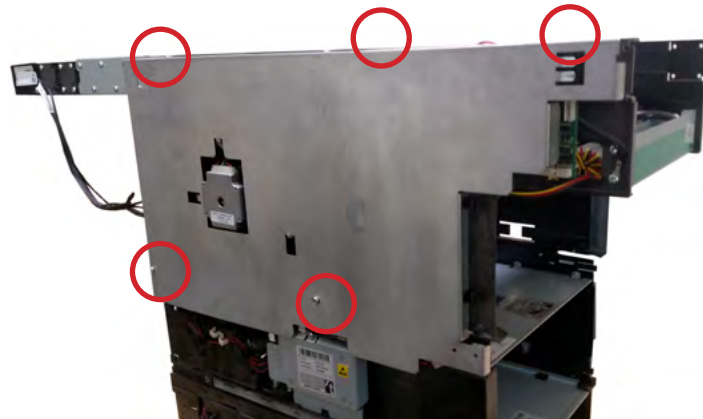
NMD 100 Rev 8 or earlier dispensers must be replaced with a newer model due to the number of component changes. Only dispenser revisions 9 through 12 can be upgraded for the new Australian polymer notes. Revision ID plate is located on metal frame under the reject cassette in the top channel.

INSTALLING NMD 100 UPGRADE KIT

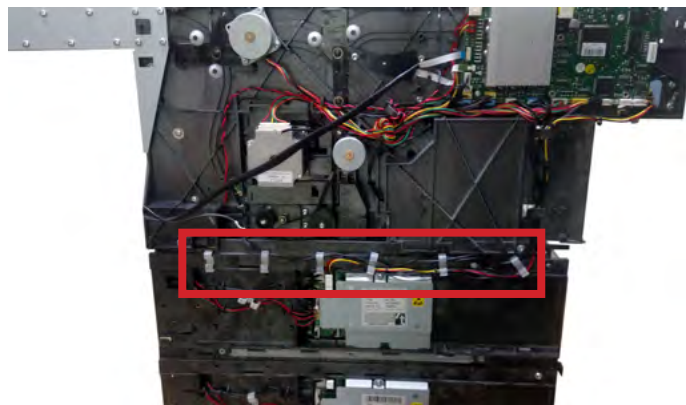
1. Unlock cassettes via *Management Functions > Terminal Configuration > Cassette Setup > Cassette Parameters*. Uncheck **All Cassettes Locked** option, then choose **OK** on the warning screen.
2. Remove cassettes from dispenser.
3. Place power switch on the dispenser power supply to the off (O) position.
4. Using a Torx T20 screwdriver, remove the top cover from the dispenser. Retain screws for reinstallation.



5. Using a Torx T20 screwdriver, remove three screws securing handle to dispenser on each side. Retain for reinstallation.
6. Using a Torx T20 screwdriver, remove five screws securing side cover on dispenser. Retain for reinstallation.

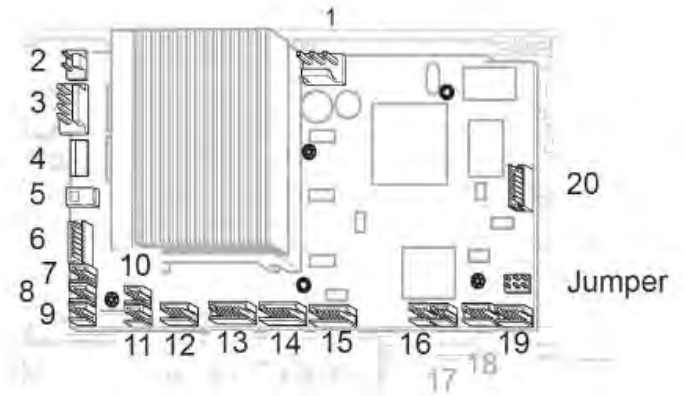


7. Lift side cover away from dispenser far enough to slide ground wires off of metal tabs on inside of cover, then remove cover.
8. Remove all cables from white cable clips along the top feed channel.

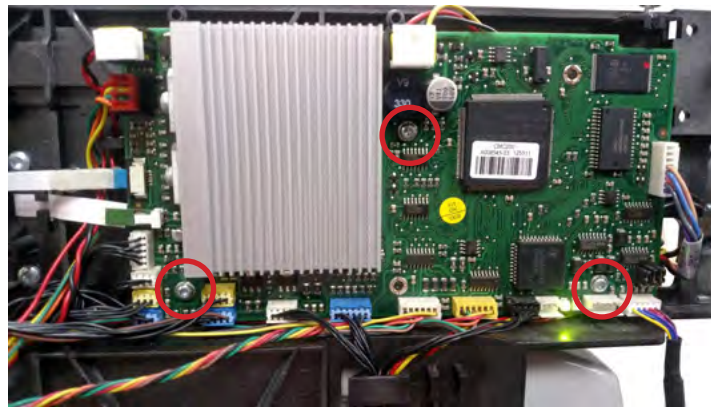


9. Unplug the following cable harnesses:

- CAN com to first feeder at upper NFC board
- NFC power cable at upper NFC board
- Dispenser power cord at power supply
- Note stacker stepper motor cable at motor
- All connections at CMC board



10. Using a Torx T10 screwdriver, remove three screws from CMC board. Retain for reinstallation. Note any ground wires that are unattached during screw removal.



**** Note ****

Only Rev 3 boards can be used for this upgrade. Verify new CMC board is a Rev 3.

11. Remove new CMC board from upgrade kit.

12. Slide CMC board into place on dispenser ensuring hole in CMC board mounts onto stud on dispenser. Install screws removed in step 10 to secure CMC board. Ensure any necessary ground wires are reattached.

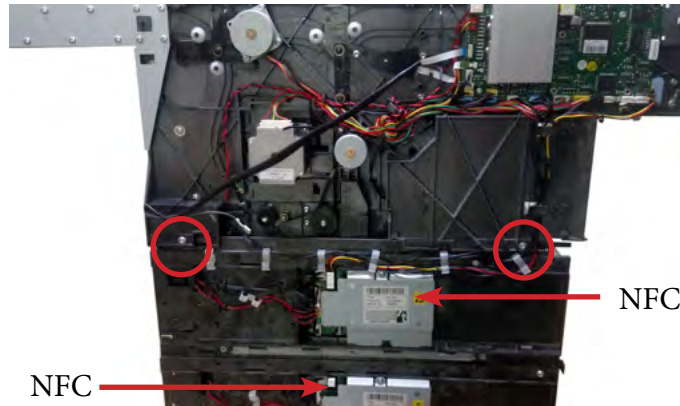


13. Using a Torx T10 screwdriver, remove screw from top of NFC board on channel 1. Retain for reinstallation. Note any ground wires that are unattached during screw removal.

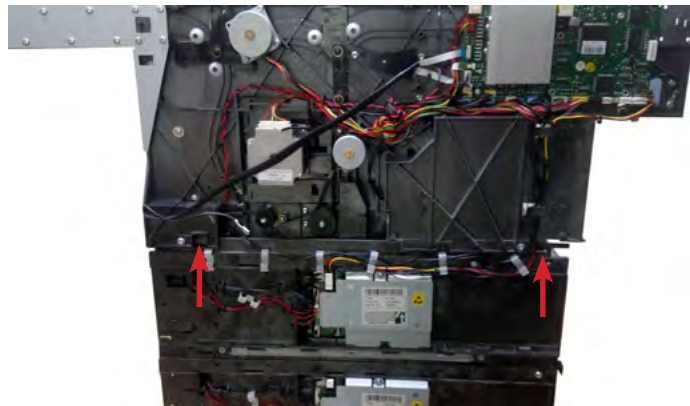
**** Note ****

Only Rev 5 boards can be used for this upgrade. Ensure new NFC boards are Rev 5.

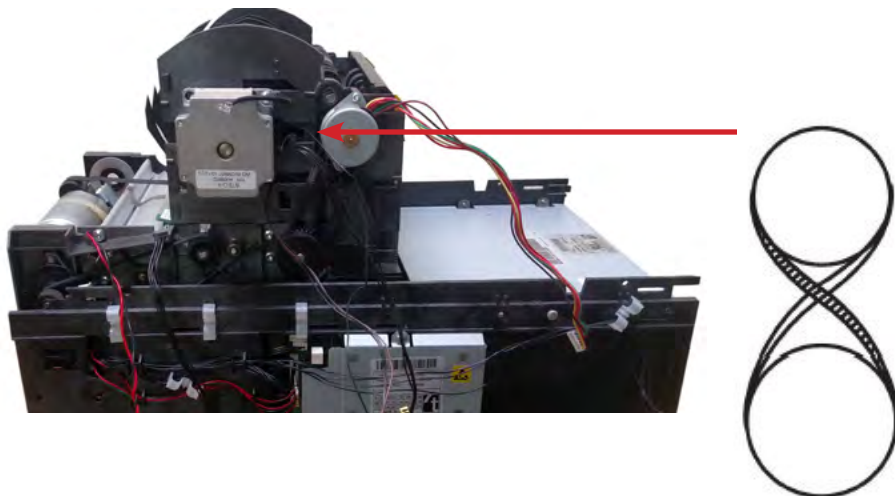
14. Remove new NFC board from upgrade kit.
15. Slide NFC board into place on dispenser and install screw removed in step 13 to secure NFC board. Ensure any necessary ground wires are reattached.
16. Repeat steps 13-16 to replace NFC board in channel 2 and for any additional channels.
17. Using a Torx T20 screwdriver, remove two screws on each side of dispenser along the top edge of the upper feed channel.



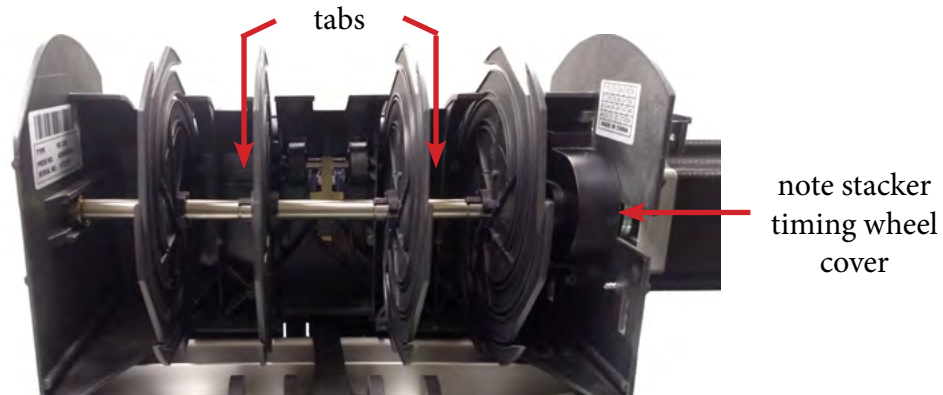
18. Insert flat head screw driver into slot beside screws and gently press tabs until top section of NMD is loosened.



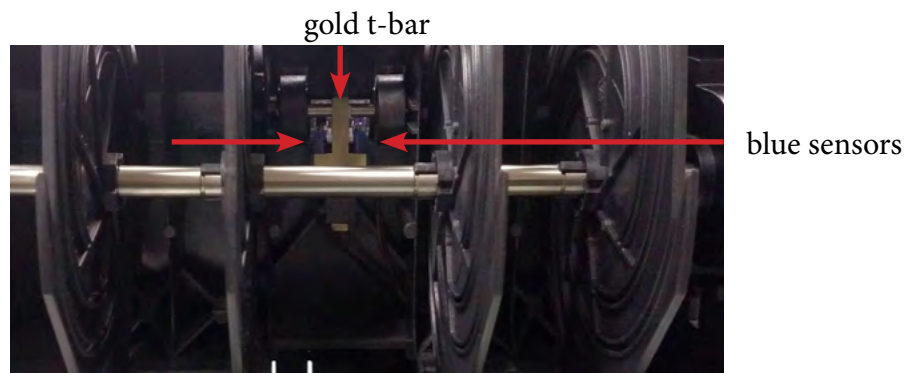
19. Remove top portion of NMD 100 and set aside.
20. Remove small belt on note stacker.



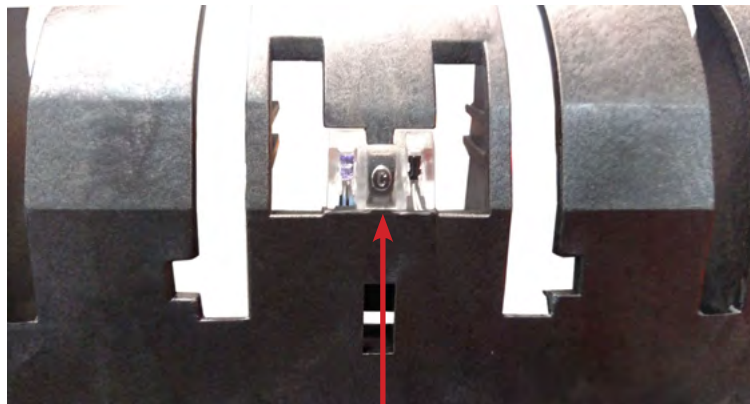
21. Remove note stacker by inserting hands into the second and fourth openings of the note stacker and pressing tabs inwards until component releases.
22. Using a Torx T10 screwdriver, loosen three screws on note stacker motor.
23. Reach in to the fifth opening and remove the note stacker timing wheel cover by gently squeezing sides and sliding out.



24. Using needle nose pliers, remove the gold t-bar in the center opening and the wheel assembly underneath. Retain for reinstallation.
25. Unplug the blue NS entry sensors, then snip NS entry sensor cable. Note cable path. Pull loose ends from note stacker and discard.



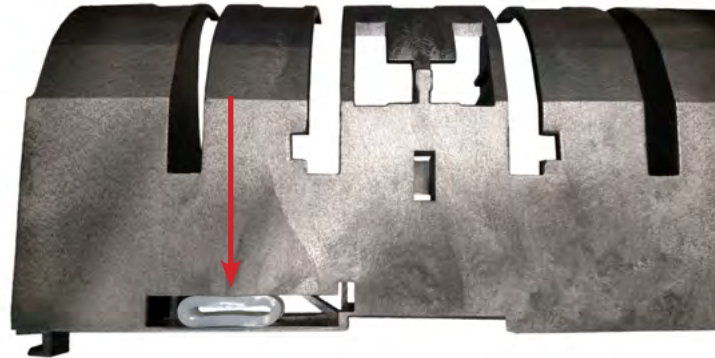
26. Flip note stacker over and remove the NS sensor holder by lifting under bottom edge until it pops free. Discard.



27. Using diagonal snips, trim the rib on the prism, then file smooth.

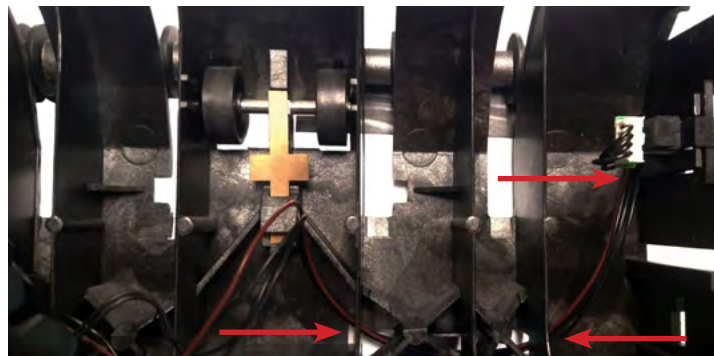


28. Remove rubber plug on note stacker, then flip back over. Retain plug for reinstallation.



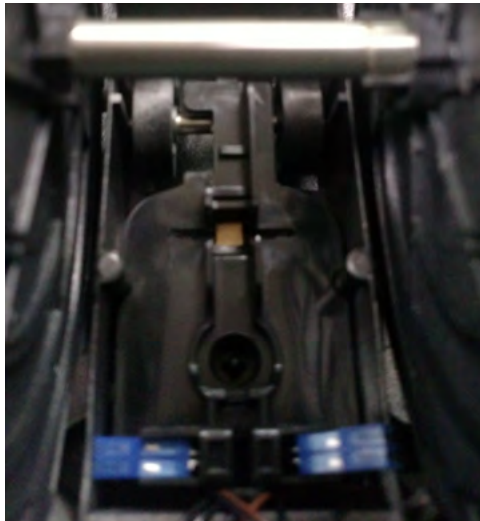
29. Reinstall the wheel assembly with flat side up and gold t-bar removed in step 24.

30. Remove mechanical sensor base from upgrade kit, and route wire through openings in the bottom side of note stacker.



31. Replace rubber plug removed in step 21 to secure cables in place.

32. Insert mechanical sensor base and snap down over gold t-bar.



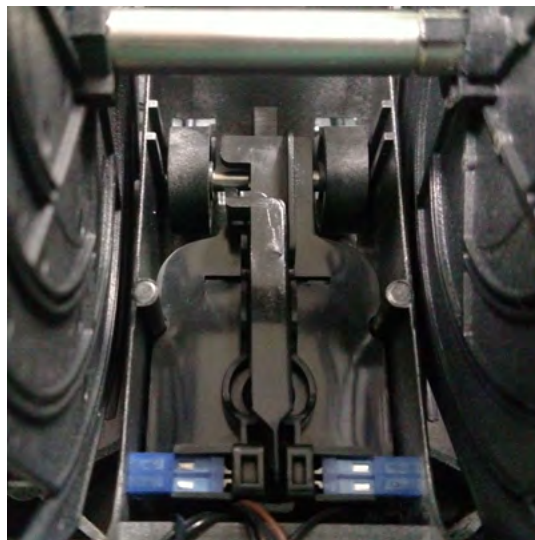
33. Gently place spring from upgrade kit into round opening on mechanical sensor base.

34. Remove lever arm from upgrade kit and route hooked end through the opening between wheel and mechanical sensor so that hooked end rests under metal axle of wheel assembly.



35. Notch on opposite end of lever arm will rest in the top of spring and round tabs of lever arm will align with notched opening in center of mechanical sensor.

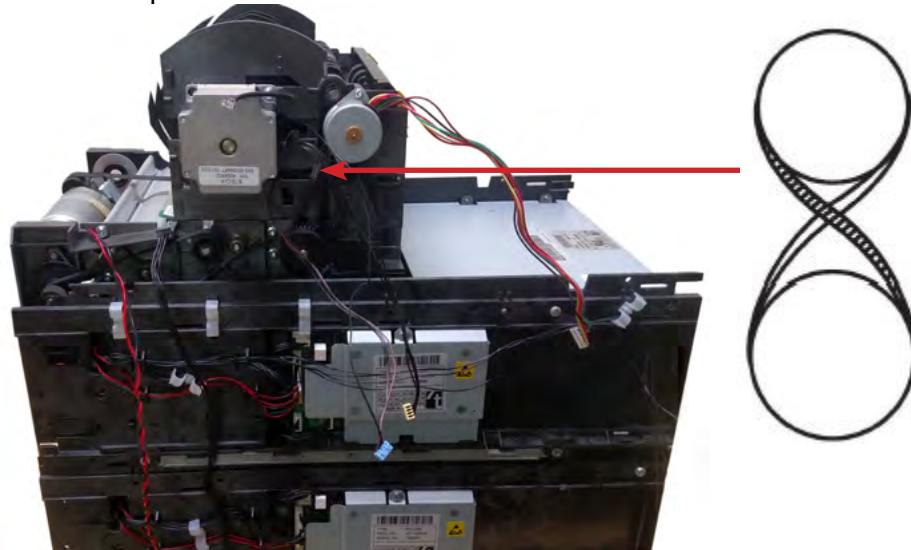
36. Once lever arm is aligned, press firmly in center over round tabs until lever snaps into mechanical sensor base.



37. Install the note stacker timing wheel cover, then tighten the three screws on the note stacker motor that were loosened in step 22.

38. Install note stacker onto dispenser by sliding back until tabs lock into place.

39. Install the small belt removed in step 20.

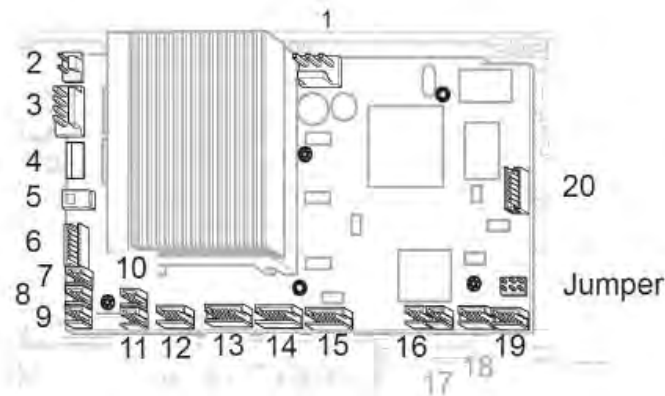


40. Replace upper portion of dispenser, ensuring tabs slide into notches.

41. Using a Torx T20 screwdriver, install two screws removed in step 10 on each side of dispenser along the top edge of the upper feed channel.

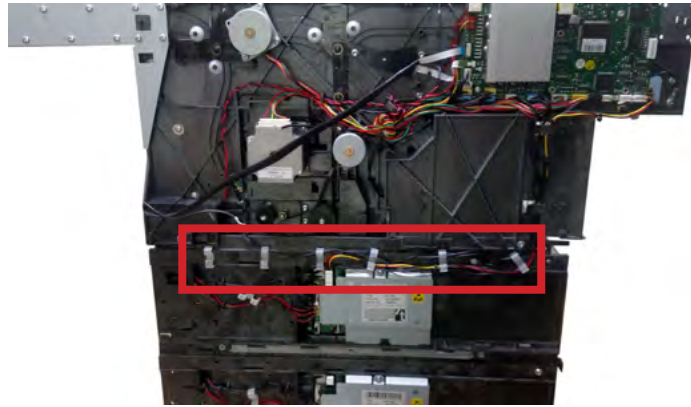
42. Plug in the following cable harnesses:

- CAN com to first feeder at upper NFC board
- NFC power cable at upper NFC board
- Dispenser power cord at power supply
- Note stacker stepper motor cable at motor
- All connections at CMC board



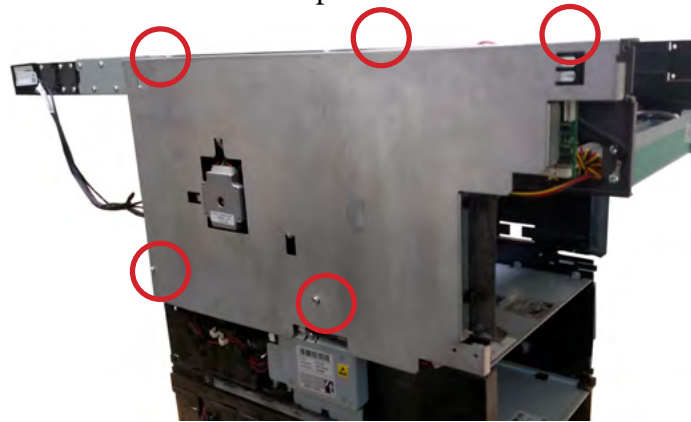
- | | |
|---------------------------------|----------------------------------|
| 1. Power PS CMC | 11. NS entry sensor |
| 2. Main motor | 12. Transport clock sensor |
| 3. NS step motor | 13. Double detect sensor |
| 4. BOU sensor | 14. ND motor |
| 5. BCU motor | 15. SP diverter motor |
| 6. RV CAN com | 16. CAN com to first feeder (NQ) |
| 7. BCU Reject position sensor | 17. Not used |
| 8. BCU Delivery position sensor | 18. Not used |
| 9. BCU Home position sensor | 19. Communication RS 232 |
| 10. NS position sensor | 20. Shutter interface |

21. Secure all wires and cables in white cable clips along the top of the upper feed channel.



22. Hold side cover near side of dispenser and slide ground wires onto metal tabs inside cover.

23. Attach side cover with five screws removed in step 6.



24. Attach handles on each side of dispenser with screws removed in step 5.

25. Attach top cover with two screws removed in step 4.



Required Tools	Torx T15 screwdriver No. 2 phillip's screwdriver	
Kit 06200-00419	SDD UPGRADE KIT	
Part #	Description	Qty
1	Front Bracket with mylar exit sensor	1



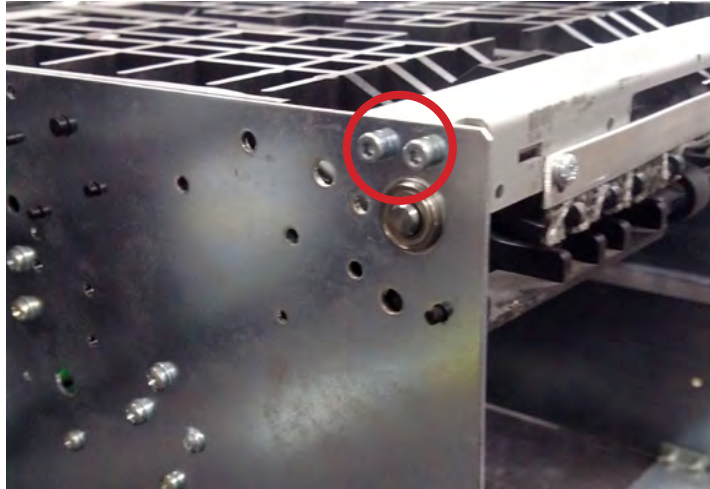
Rev 4/Rev 1



Rev 3/Rev 2

INSTALLING SDD UPGRADE KIT

1. Perform a proper shutdown of ATM via *Management Functions > System Parameters > Shut Down the Terminal*.
2. When prompted, place the power switch on the power supply to the off (O) position.
3. Access the vault.
4. Pull dispenser out to fully extended position.
5. Using a Torx T15 screwdriver, remove the two screws on each side that secure the front bracket. Retain for reinstallation. Remove bracket from dispenser.



6. Using a No. 2 Phillip's screwdriver, remove the two screws securing the static brush to the front of bracket. Retain screws and static brush for reinstallation.
7. Remove new front bracket from upgrade kit.



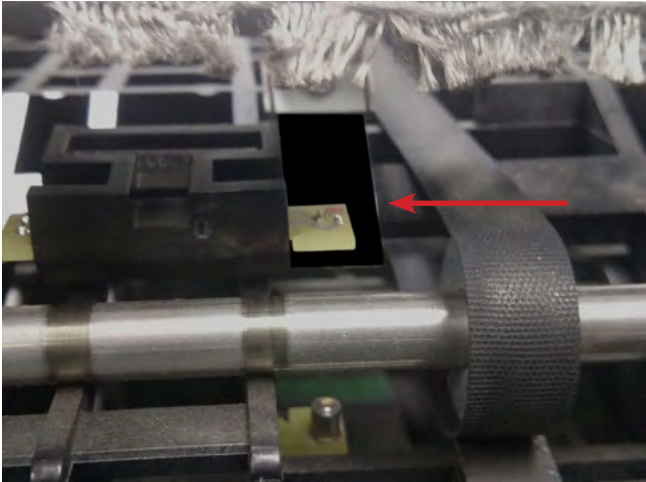
8. Install static brush onto new front bracket with screws removed in step 6.
9. Using a Torx T15 screwdriver, loosen screw on tab opposite the static brush until the screw, washer, and plate can be removed from bracket.



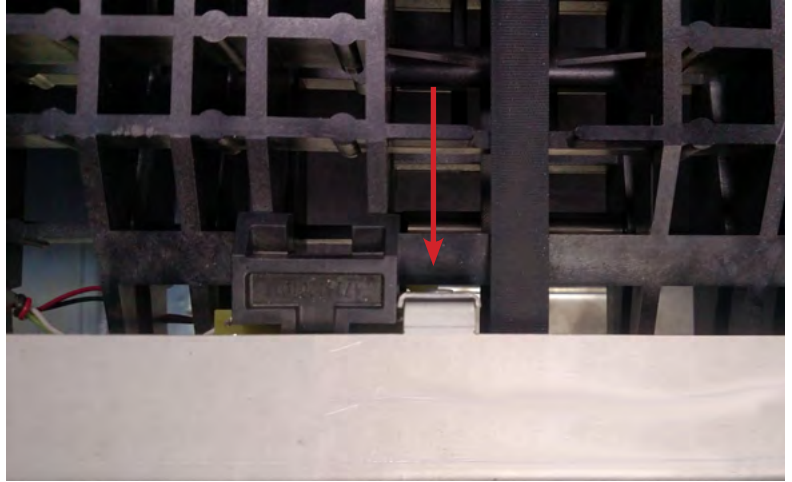
10. Remove the black mylar tab from tape on the underside of bracket and align on tab.
11. Using a Torx T15 screwdriver, replace screw, washer, and plate so that black mylar tab is installed between tab and plate.



12. Install bracket on dispenser by sliding mylar exit sensor behind the exit sensor and rotating bracket down into place.

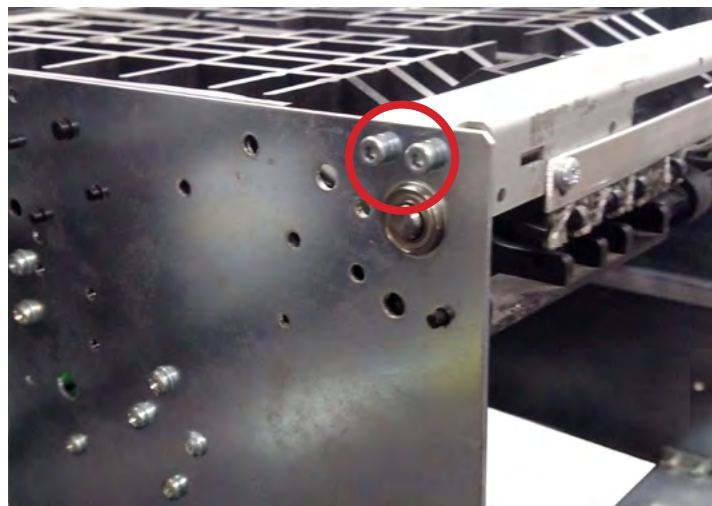


front view



top view

13. Secure with screws removed in step 5.



14. Push dispenser back into ATM and close vault.
15. Place power switch on ATM power supply to the on (I) position.

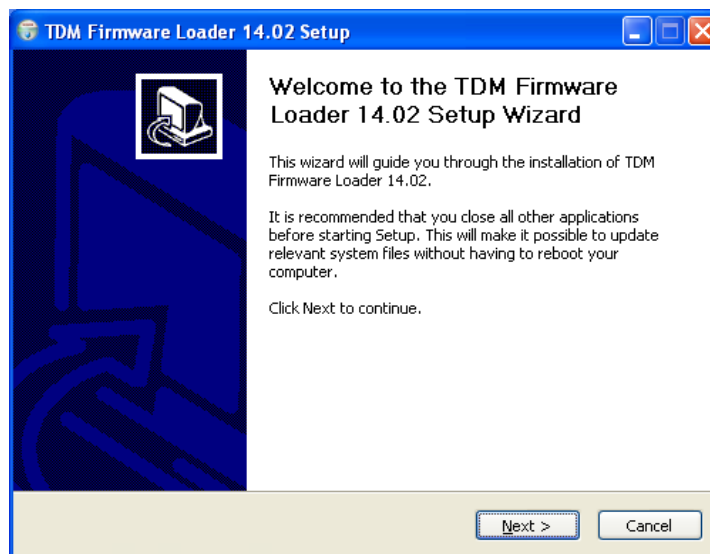
INSTALL TDM UPGRADE

Required Tools		TDM load cable Firmware loading comloc	
		TDM UPGRADE	
Part #	Description		Qty
1	TDM firmware loader		1

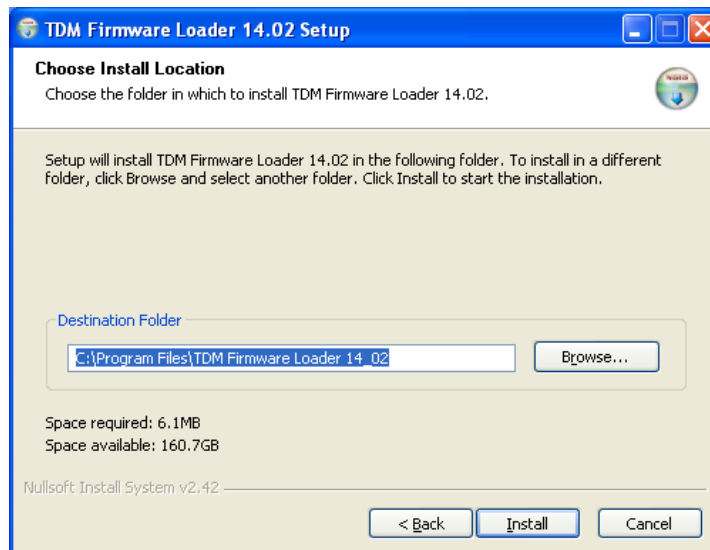
Note

Firmware version may differ from what is shown.

1. Before starting installation of TDM Firmware Loader, unplug the comloc from the PC and the data cable from the dispenser.
2. On PC, browse to the location where the TDMFirmwareLoaderSetup.exe file is saved. Double-click the file to start the installation process. The following window will appear:



3. Close all other applications as recommended.
4. Click **Next** to continue with the software installation. The following window will appear:



5. TDM Firmware Loader Setup will install the application to C:\Program Files (x86)\TDMFirmware Loader. Click **Install** to continue with installation.

UPDATE TDM FIRMWARE VIA TDM FIRMWARE LOADER

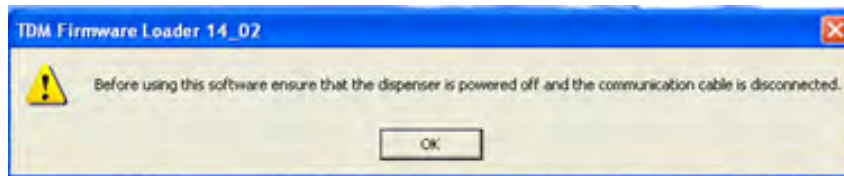
****Note****

Firmware versions may be different than what is shown.

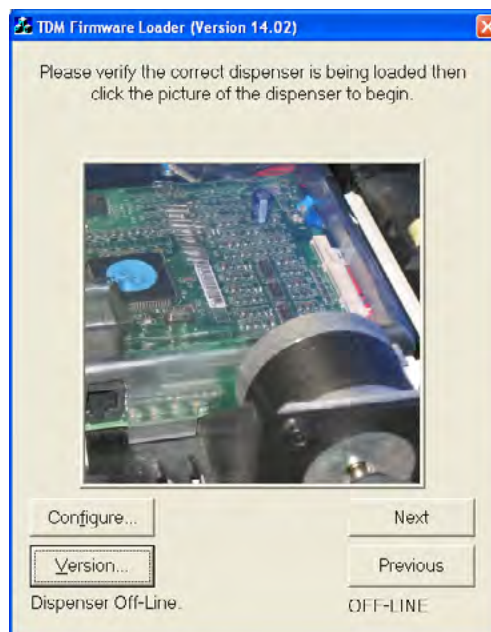
6. Insert the comloc in a USB port on the PC.
7. Click the TDM Firmware Loader icon on the desktop to launch the application.



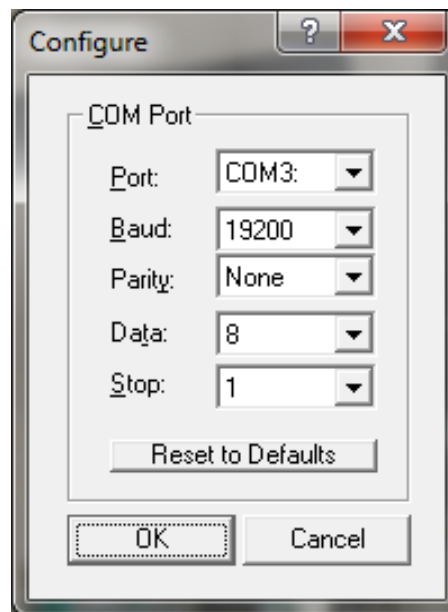
8. When the application launches, the following warning will appear. Ensure the dispenser is powered off, and the data cable and power cable are disconnected from the TDM, then click **OK**.



9. The TDM Firmware Loader application will open.

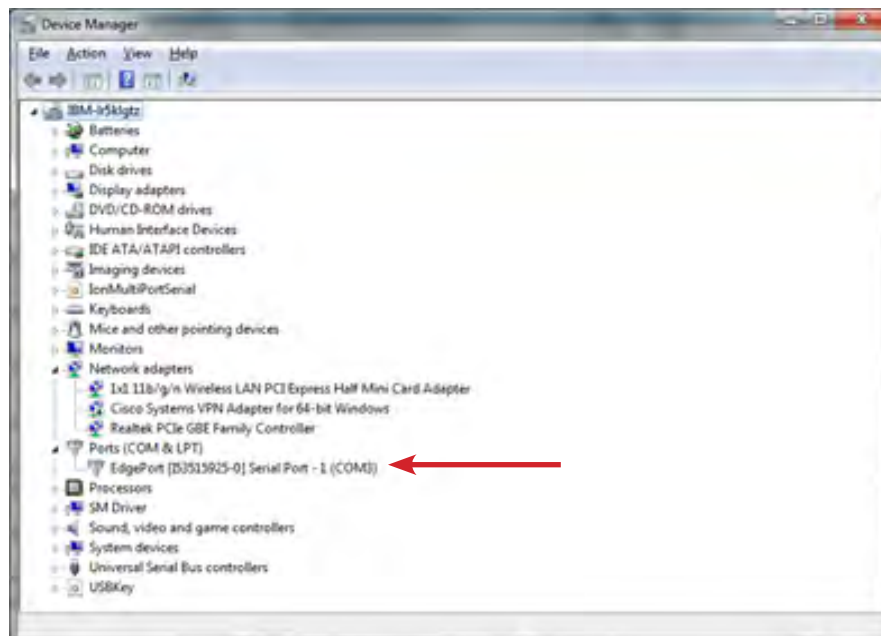


10. Click **Configure** to verify the COM port used for firmware downloads.

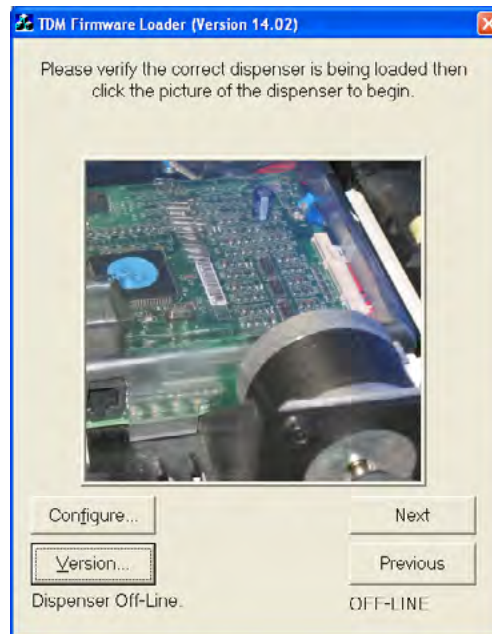


****Note****

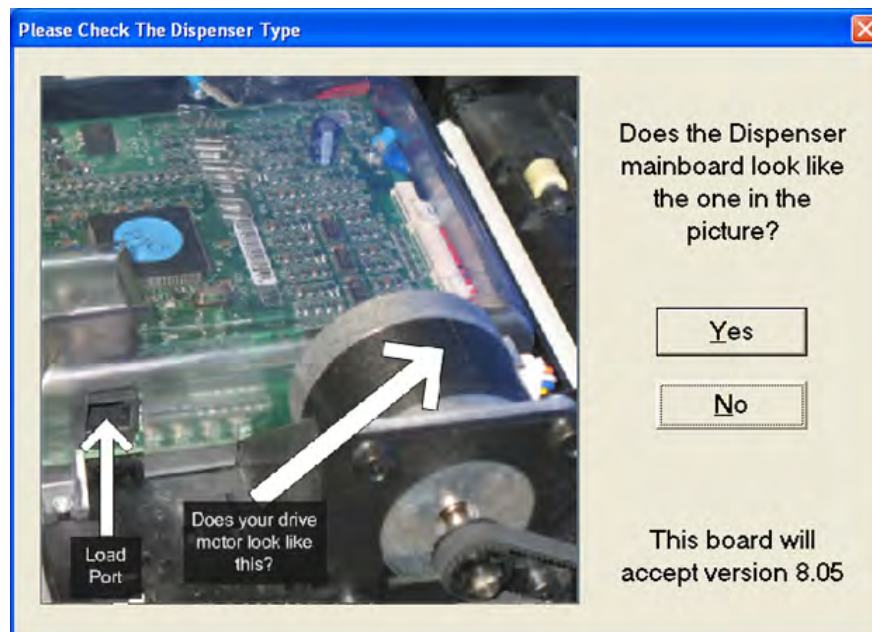
Newer PCs or laptops may not have serial ports, and require a USB-to-Serial adapter. If using a USB-to-Serial adapter, you can determine the correct COM port by navigating to the Control Panel, then to Device Manager in Windows. Locate the USB-to-Serial device name under ports. The COM port associated with device is shown.



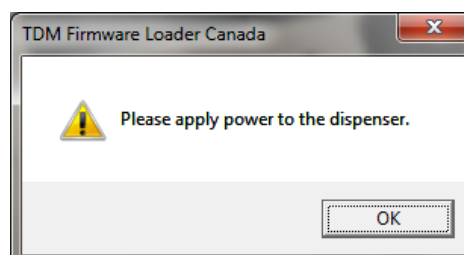
11. Click **Next** or **Previous** to toggle through TDM models. Click on the picture that matches your TDM dispenser.



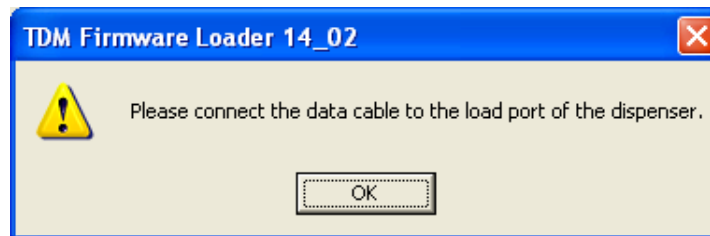
12. Verify that TDM matches the photo in the pop-up window that appears.



13. Click **Yes** if the picture matches TDM dispenser. Click **No** to return to the previous screen and select another dispenser.
14. After clicking **Yes**, connect dispenser power cable. Turn power to the dispenser on (I), then click **OK**.



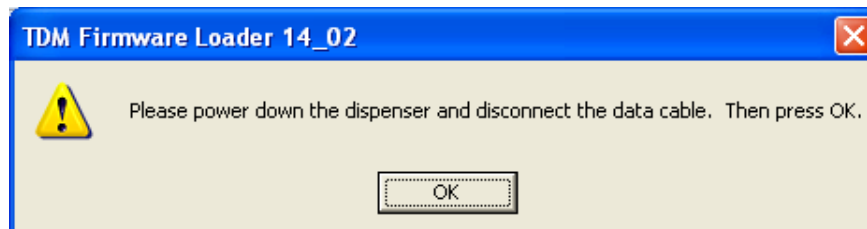
15. Connect the data cable to load port on the dispenser, then click **OK**.



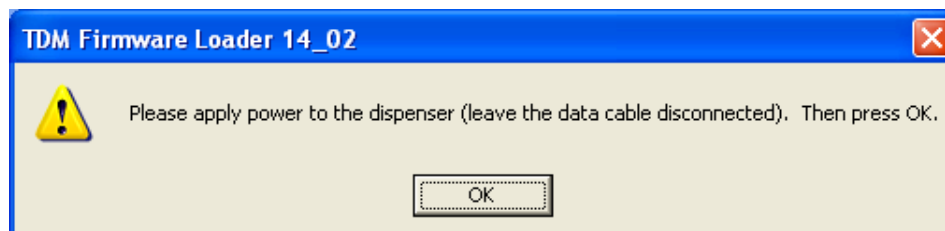
16. Firmware loading should begin automatically.



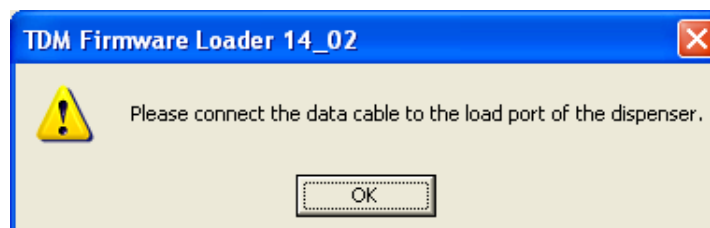
17. Power down dispenser and disconnect the data cable from the TDM, then click **OK**.



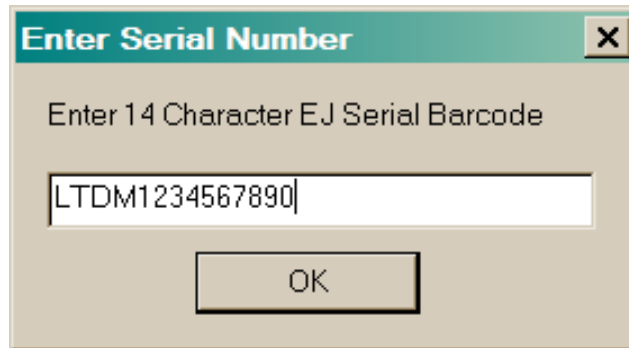
18. Apply power to the dispenser.



19. After motor stops turning, reconnect the data cable to the TDM, then click **OK**.



20. Enter TDM serial number as printed on the TDM label. Use capital letters as printed on the label. Click **OK**.

A dialog box titled "Enter Serial Number" with a close button (X) in the top right corner. The text inside says "Enter 14 Character EJ Serial Barcode". Below this is a text input field containing the serial number "LTDM1234567890". At the bottom center is an "OK" button.

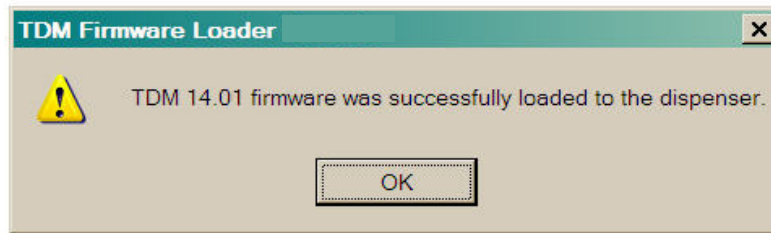
Enter Serial Number

Enter 14 Character EJ Serial Barcode

LTDM1234567890

OK

21. The TDM Firmware Loader will report a successful download. Click **OK**.

A dialog box titled "TDM Firmware Loader" with a close button (X) in the top right corner. On the left is a yellow warning triangle icon. To its right, the text reads "TDM 14.01 firmware was successfully loaded to the dispenser.". At the bottom center is an "OK" button.

TDM Firmware Loader

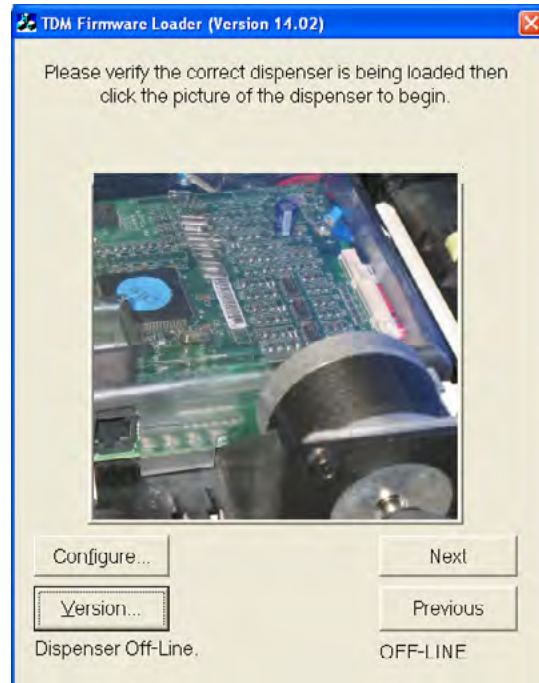
TDM 14.01 firmware was successfully loaded to the dispenser.

OK

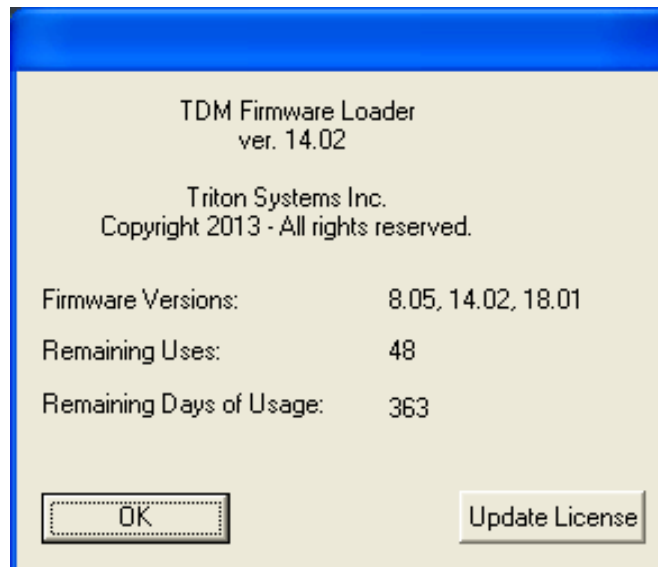
22. Power off the dispenser, then disconnect the data cable.

UPDATE TDM FIRMWARE LICENSE

1. The TDM Firmware Loader has a set number of downloads. To verify the number of downloads left on your system, open the application, then click **Version**.



2. A pop-up window will display application version information. The number of downloads left on the system is shown under **Remaining Uses**.



3. To purchase additional downloads, contact Triton Technical Support at 1 877-787-4866.
4. Click **Update License**.
5. Follow instructions from Technical Support to purchase additional downloads.

ADJUST TDM CASSETTE GUIDE RAILS

1. Adjust cassette width and height rails where necessary. Rail location is dependent on denomination of new Australian polymer bank note being loaded into cassette. If using new Australian polymer-ready cassette, verify width rails are in correct location.

Bank Note	Left Guide	Right Guide	Height
AUD \$5	H	N	F
AUD \$10	F	L	F
AUD \$20	F	I	F
AUD \$50	E	G	F
AUD \$100	D	F	F

2. Load or replenish bank notes in cassettes. Close and lock cassettes.
3. Install cassettes in dispenser.

Required Tools		Torx T10 screwdriver No 2 phillips screwdriver
Kit 04008-00060		MINIMECH UPGRADE KIT
Part #	Description	Qty
1	bracket	1
2	mylar tab	1
3	screw	1



INSTALL THE MINIMECH UPGRADE KIT

1. Perform a proper shutdown of ATM via *Management Functions > System Parameters > Shut Down the Terminal*.
2. When prompted, place the power switch on the power supply to the off (O) position.
3. Access the vault.
4. Using a No 2 phillips screwdriver, remove two screws securing dispenser to stationary tray. Retain for reinstallation.
5. Remove dispenser from vault and place on a flat work surface.
6. Remove bracket and mylar tab from kit.
7. Install mylar tab onto grooved side of bracket. Ensure mylar tab is firmly seated within grooves and notch on bracket.



8. Install bracket on dispenser by sliding bracket onto middle metal tab directly over the exit sensor. Mylar tab should rest at an angle between the two belts.



MiniMech - Front



MiniMech - Back

9. Remove screw from upgrade kit. Using a Torx T10 screwdriver, install screw into top of bracket. Tighten only enough to hold bracket to metal tab.



10. Install dispenser in ATM.
11. Secure dispenser to stationary tray using screws removed in step 4 and close vault.
12. Place power switch on ATM power supply to the on (I) position.

ADJUST MINIMECH CASSETTE GUIDE RAILS

1. Adjust cassette width and height rails where necessary. Rail location is dependent on denomination of new Australian polymer bank note being loaded into cassette. If using new Australian polymer-ready cassette, verify width rails are in correct location.

Bank Note	Left Guide	Right Guide	Height
AUD \$5	H	G	4
AUD \$10	G	F	4
AUD \$20	F	E	4
AUD \$50	H	B	4
AUD \$100	?	?	?

2. Load or replenish bank notes in cassettes. Close and lock cassettes.
3. Install cassettes in dispenser.