

17201 NOVA SST KIOSK

USER SERVICE MANUAL

Version History

Dec. 2021 V 0.1 Release Version

ISSUE NUMBER	DATE	ECN	COMMENTS	APPROVED
01	18-09-2024	6652	NEW RELEASE NOVA SST KIOSK USER MANUAL.	LD
02				
03				

Who Should Use This Manual

This guide is intended for those responsible for the installation and use of the Kiosk.

It contains information on:

- Installation and set-up instructions
- Operational requirements
- Kiosk Hardware Component Overview

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Notices

Note: For any safety-related incident that occurs related to this machine, the field personnel involved must immediately follow regular Safety Incident Reporting and contact the following department:

Neo Products Pty Ltd. 62-66 Pacific Drive Keysborough, VIC 3173 Phone (03) 9701 1511

The System Services Representative (SSR) should check the following:

1. Ensure that the Kiosk is plugged into a properly grounded outlet.

2. Ensure that the ground wires are properly secured at each end and not pinched.

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SAVE THESE INSTRUCTIONS

Chapter 1 - Safety Information – READ THIS FIRST

Read the following information before operating the equipment.

Definitions of Hazard Levels:

The word DANGER indicates the presence of a hazard that has the potential of causing death or serious personal injury.

The word CAUTION indicates the presence of a hazard that has the potential of causing moderate or minor personal injury.

Chapter 1 - Safety Information

Danger Notices

DANGER: To prevent a possible shock from touching two surfaces with different protective ground (earth), use one hand, when possible, to connect or disconnect signal cables.

DANGER: Overloading a branch circuit is potentially a fire hazard and a shock hazard under certain conditions. To avoid these hazards, ensure that your system electrical requirements do not exceed branch circuit protection requirements. Refer to the information that is provided with your device or the power rating label for electrical specifications.

DANGER: An electrical outlet that is not correctly wired could place hazardous voltage on the metal parts of the system or the devices that attach to the system. It is the responsibility of the customer to ensure that the outlet is correctly wired and grounded to prevent an electrical shock.

DANGER: When working on or around the system, observe the following precautions:

Electrical voltage and current from power, telephone, and communication cables are hazardous.

To avoid a shock hazard:

- If Neo Products supplied a power cord, connect power to this unit only with the Neo Products provided power cord. Do not use the Neo Products provided power cord for any other product.
- Do not open or service any power supply assembly.
- Do not connect or disconnect any cables or perform installation, maintenance, or reconfiguration of this product during an electrical storm.
- The product might be equipped with multiple power cords. To remove all hazardous voltages, disconnect all power cords.
- Connect all power cords to a properly wired and grounded electrical outlet. Ensure that the outlet supplies proper voltage and phase rotation according to the system rating plate.
- Connect any equipment that will be attached to this product to properly wired outlets.
- When possible, use one hand only to connect or disconnect signal cables.
- Never turn ON any equipment when there is evidence of fire, water, or structural damage.
- Sharp edges, corners and joints may be present in and around the system. Use care when handling equipment to avoid cuts, scrapes and pinching.
- Route all cords away from sharp edges, corners and points, moving parts and heated surfaces, to prevent damage to the cable insulation. Never route cables through openings that do not have smooth well-rounded surfaces or with bushings.
- Protect all cords against physical damage. Never allow objects to be placed on or against the cords, or on surfaces that contact the cords. Ensure cords are positioned not to be stepped on, tripped over, or subjected to damage or stress.
- Inspect the power cord thoroughly and periodically. Do not use the Kiosk if the cord is damaged.
- Grasp the plug to remove it from the outlet. Do not unplug by pulling on the cord.
- Never handle equipment by its cord.
- Fully insert the plug into the outlet.
- DANGER: The AC main power cord from the Kiosk is the disconnect means from AC mains.

DANGER: The AC mains power cord of the Kiosk is used as the disconnect means of the AC disconnect box. Disconnect this cord before servicing the AC disconnect box.

DANGER: Hazardous voltage present. Voltages present a shock hazard, which can cause severe injury or death.

DANGER: Heavy equipment – personal injury or equipment damage might result if mishandled. Before lifting the unit consult the manual to determine the weight of the equipment and then perform a risk assessment to determine the most appropriate method for lifting / transporting the equipment.

DANGER: Professional movers are to be used for all relocation activities. Serious injury or death may occur if systems are handled and moved incorrectly.

DANGER: Serious injury or death can occur if loaded lift tool falls over or if a heavy load falls off the lift tool. Always completely lower the lift tool load plate and properly secure the load on the lift tool before moving or using the lift tool to lift or move an object.

Caution Notices

CAUTION: Servicing of this product or unit is to be performed by trained service personnel only.

CAUTION: Energy hazard present. Shorting might result in system outage and possible physical injury. Remove any jewellery before servicing.

CAUTION: For safety when running the printer test, make sure hair is pulled back and personal articles such as ties, necklaces, or bracelets do not get caught in the moving print head.

CAUTION: Hazardous moving parts nearby.

CAUTION: Turn off or remove the fan's connection to power before attempting to service the fan. Ensure the fan has stopped moving before servicing.

CAUTION: The socket-outlet must be installed near the equipment and must be easily accessible.

CAUTION: This product is equipped with a 3-wire (two conductors and ground) power cable and plug. Use this power cable with a properly grounded electrical outlet to avoid electrical shock.

Electronic Emission & Safety Notices

Neo Products cannot accept responsibility for any failure to satisfy the protection requirements resulting from a nonrecommended modification of the product.

Properly shielded and grounded cables and connectors must be used in order to meet emission limits. Neo Products is not responsible for any radio or television interference caused by using other than recommended cables and connectors or by unauthorized changes or modifications to this equipment.

Unauthorized changes or modifications could void the user's authority to operate the equipment.

Cable Ferrite Requirement

All cable ferrites are required to suppress radiated EMI emissions and must not be removed.

Electrostatic Discharge (ESD)

Attention: ESD damage can occur when there is a difference in charge between the part, the product, and the service person. No damage will occur if the service person and the part being installed are at the same charge level.

ESD Damage Prevention

Anytime a service action involves physical contact with logic cards, printed circuit boards (PCBs), modules, back-panel pins, or other ESD sensitive (ESDS) parts, the service person must be connected to an ESD common ground point on the product through the ESD wrist strap and cord. The ESD ground clip can be attached to any frame ground, ground braid, green wire ground, or the round ground prong on the AC power plug. Coax or connector outside shells can also be used.

Handling Removed Cards

Logic cards removed from a product should be placed in ESD protective containers. No other object should be allowed inside the ESD container with the logic card. Attach tags or reports that must accompany the card to the outside of the container.

Chapter 2 - Product Description

2.1 Physical Specifications and Operating Environment

The Kiosk is designed to be installed in an indoor, temperature controlled environment.

2.1.1 Mechanical

	Kiosk	
Dimensions	340 (D) x 600 (W) x 711 (H) Kiosk	
	600 (D) x 550 (W) x 900 (H) Pedestal	
Weight	43Kgs (est.) Kiosk 36Kgs (est.) Pedestal	

2.1.2 Environmental

Temperature:

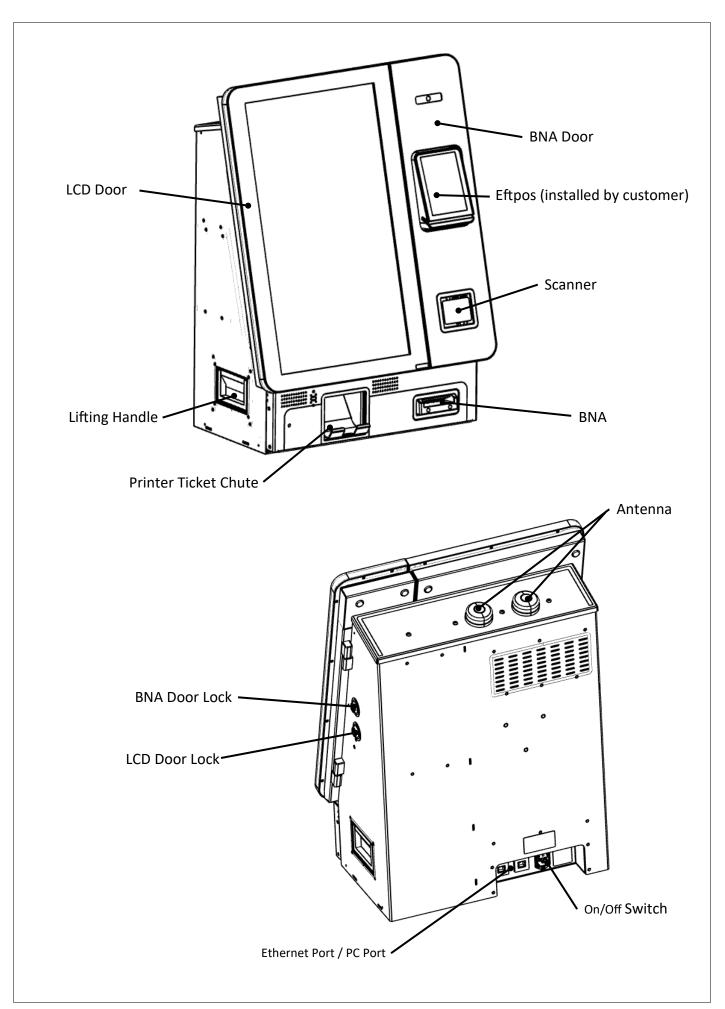
Operating: Operating: 0°C to 40°C, 20%~80% RH (non-condensing)

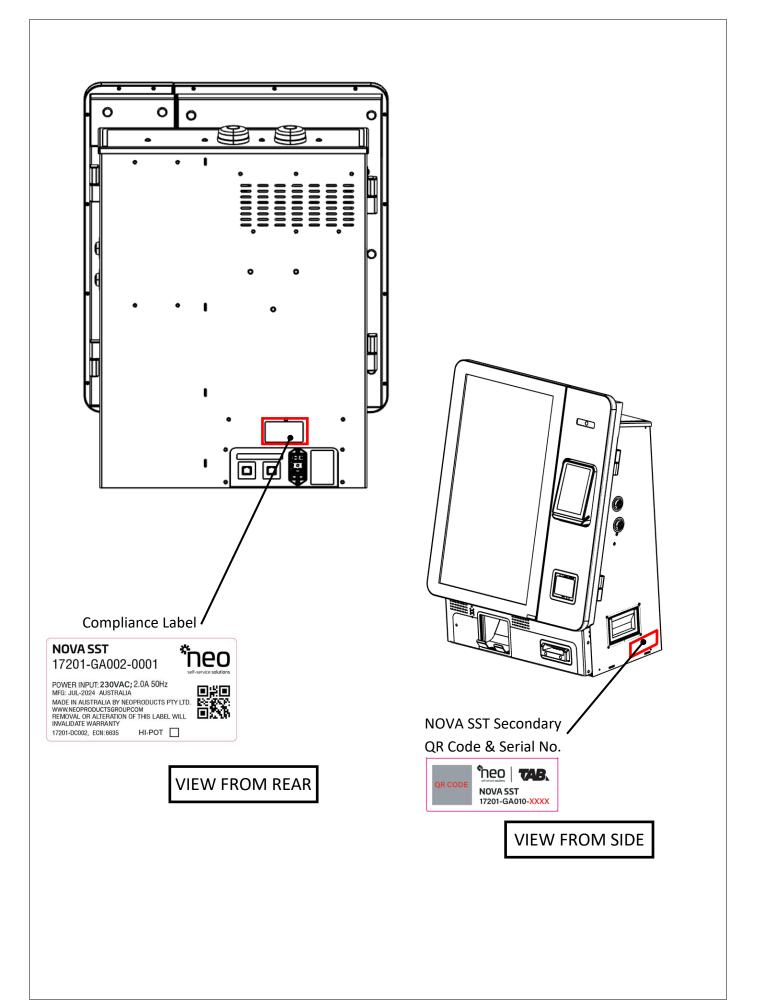
2.1.3 Electrical

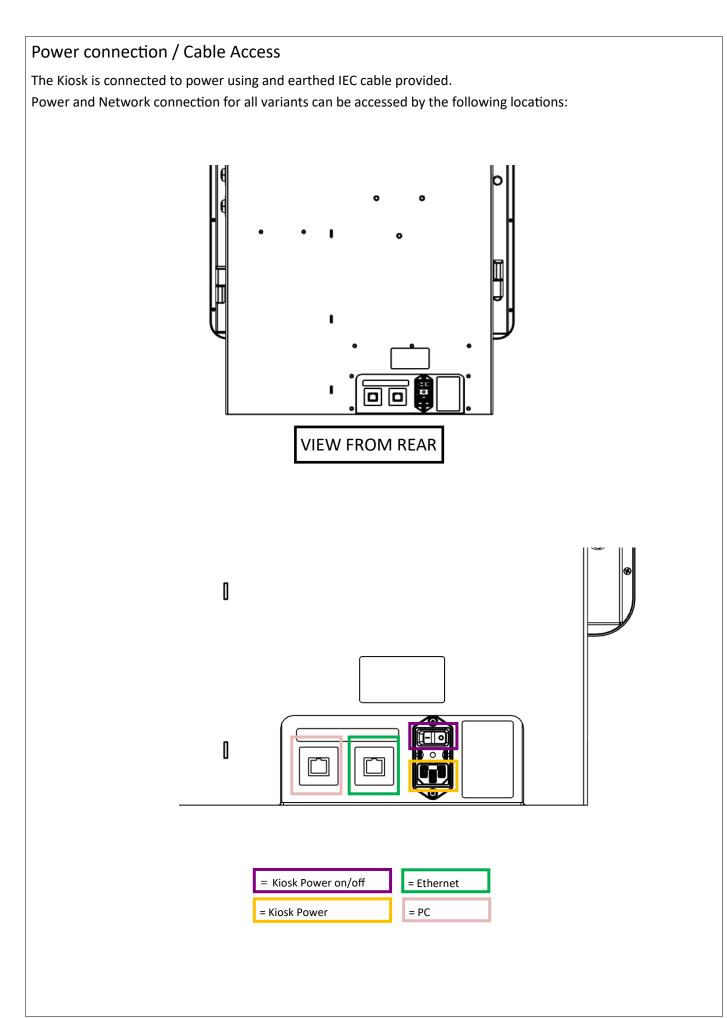
- Mains Input: Mains Input 230V AC, 50Hz, 2A.
- A dedicated circuit for each Kiosk is not required.
- A grounded power outlet with IEC cable for connection to the Kiosk is required.

Mains Supply Frequency		Comment			
230VAC	50Hz	Use supplied 240V AC rated HO5VV-F IEC C13 cable			

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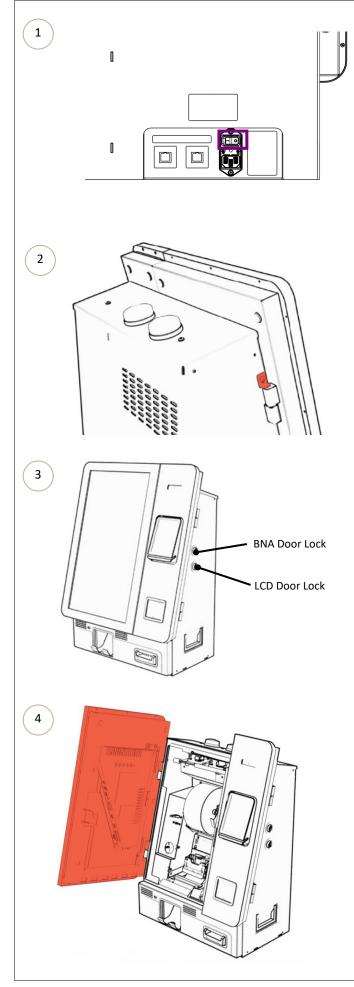




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Chapter 6 - LCD Screen

Replacing the LCD Screen



STEP 1 The Kiosk is to be correctly shut down via the operating system prior to completing this activity.

Close all applications & shut down the PC.

Once done, turn the Power Switch from I \rightarrow O at the rear of the Kiosk.

STEP 2 Remove & retain the Hinge Stop Bracket & Screw using 3mm Allen Key.

STEP 3 On the right-hand side of the Kiosk, the barrel locks open the following Kiosk Doors.

- 1) <u>**Bottom</u>** barrel lock = LCD Door.</u>
- 2) <u>Top</u> barrel lock = BNA Door.

STEP 4 Insert the Kiosk Lock Key into the bottom barrel lock (1) to open the LCD Door.

Chapter 6 - LCD Screen Replacing the LCD Screen (continued)

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STEP 5 At the rear of the LCD, remove all Looms from the ports in areas shown.

STEP 6 Using a small screwdriver or similar, gently twist & pry the retaining clip from the Gas Strut Ball on the LCD Frame as shown. The Gas Strut will fall to a rest position.

Caution: Ensure that the LCD is supported during the Gas Strut release to eliminate damage to the LCD, LCD Hinges & Kiosk.

STEP 7 Lift the LCD Screen in an upwards direction to remove from the Hinges.

To re-install the replacement LCD Screen, follow Steps 1 to 7 in reverse.

Chapter 7 - BNA Cash Box

Replacing the BNA Cash Box

1 **BNA Door Lock** LCD Door Lock 2

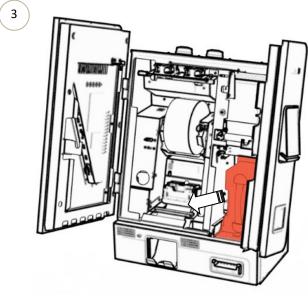
STEP 1 On the right-hand side of the Kiosk, the barrel locks open the following Kiosk Doors.

- 1) <u>**Bottom</u>** barrel lock = LCD Door.</u>
- 2) <u>**Top**</u> barrel lock = BNA Door.

STEP 2 Open the Kiosk in the following order:

<u>Step A</u>: Insert the Kiosk Lock Key into the **<u>bottom</u>** barrel lock to open the LCD Door.

<u>Step B:</u> Insert the Kiosk Lock Key into the <u>top</u> barrel lock to open the BNA Door.



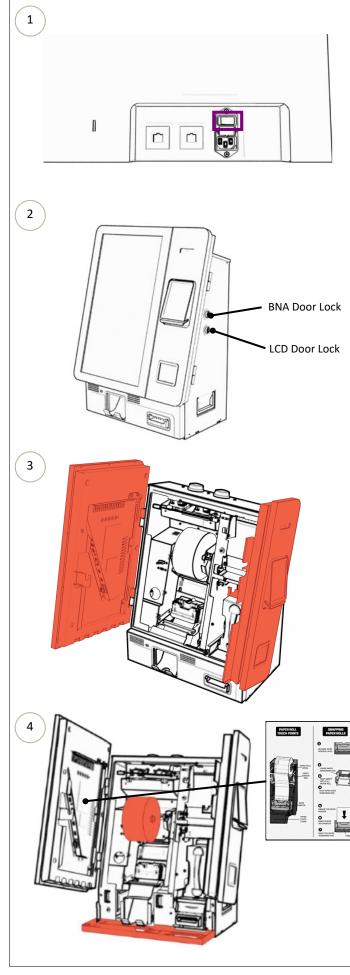
STEP 3 The BNA Cash Box is located on the RH Side of the Kiosk in position shown.

Pull the handle of the BNA Cash Box to remove from the Kiosk.

To re-install the BNA Cash Box, follow Steps 1 to 3 in reverse.

Chapter 8 - Printer Benlacing the Printer

Replacing the Printer



STEP 1 The Kiosk is to be correctly shut down via the operating system prior to completing this activity.

On the LCD Screen, close all applications & shut down the PC.

Once done, turn the Power Switch from I \rightarrow O at the rear of the Kiosk.

STEP 2 On the right-hand side of the Kiosk, the barrel locks open the following Kiosk Doors.

- 1) <u>**Bottom</u>** barrel lock = LCD Door.</u>
- 2) <u>**Top**</u> barrel lock = BNA Door.

STEP 3 Open the Kiosk in the following order:

<u>Step A:</u> Insert the Kiosk Lock Key into the <u>bottom</u> barrel lock to open the LCD Door.

<u>Step B</u>: Insert the Kiosk Lock Key into the <u>top</u> barrel lock to open the BNA Door.

STEP 4 Open the Lower Door by lifting in an upwards direction to dis-engage from the retainer, then dropping downwards as shown.

Remove & retain the Paper Roll & Spindle (for further information, follow the Swapping Paper Rolls Decal on the inside of the LCD Screen).

Chapter 8 - Printer Replacing the Printer (continued)

5

STEP 5 Pull the Paper Tensioner in a downwards direction to the full stop position & engage on the magnets.

STEP 6 Remove & retain 3x Screws retaining the Printer Assembly to the Kiosk in locations shown using #2 Phillips Head Screwdriver.

STEP 7 Remove & retain 3x Nuts & Washers fastening the Printer Assembly to the Kiosk in locations shown using 10mm Socket Head & Handle.

CAUTION: Once the 3x Nuts & Washers are removed, the Printer Assembly will be retained only on the Kiosk thread studs.

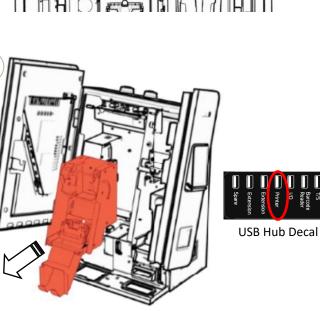
STEP 8 Partially pull the Printer Assembly in an outwards direction.

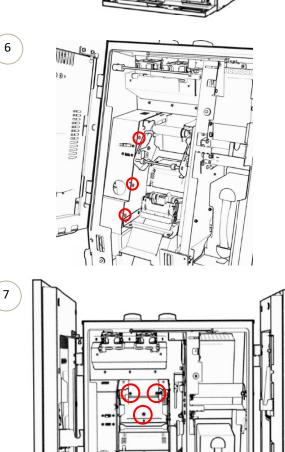
Disconnect the Printer USB (in USB Hub) & Molex Power (Loom ext. in PSU) connectors from the Kiosk prior to full removal.

The Printer Assembly can be fully removed once done.

To re-install the Printer, follow Steps 1 to 8 in reverse.

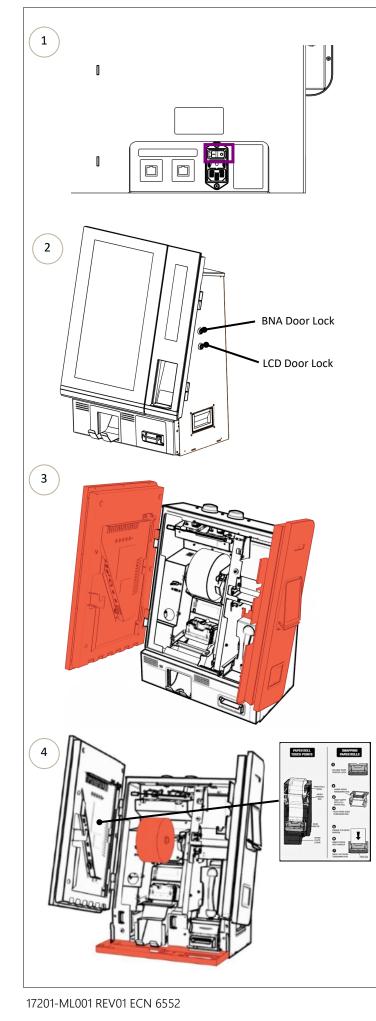
8





Chapter 9 - Fan Plenum

Cleaning the Fan Plenum



STEP 1 The Kiosk is to be correctly shut down via the operating system prior to completing this activity.

On the LCD Screen, close all applications & shut down the PC.

Once done, turn the Power Switch from I \rightarrow O at the rear of the Kiosk.

STEP 2 On the right-hand side of the Kiosk, the barrel locks open the following Kiosk Doors.

- 1) <u>**Bottom</u>** barrel lock = LCD Door.</u>
- 2) <u>Top</u> barrel lock = BNA Door.

STEP 3 Open the Kiosk in the following order:

<u>Step A:</u> Insert the Kiosk Lock Key into the <u>bottom</u> barrel lock to open the LCD Door.

<u>Step B:</u> Insert the Kiosk Lock Key into the <u>top</u> barrel lock to open the BNA Door.

STEP 4 Open the Lower Door by lifting in an upwards direction to dis-engage from the retainer, then dropping downwards as shown.

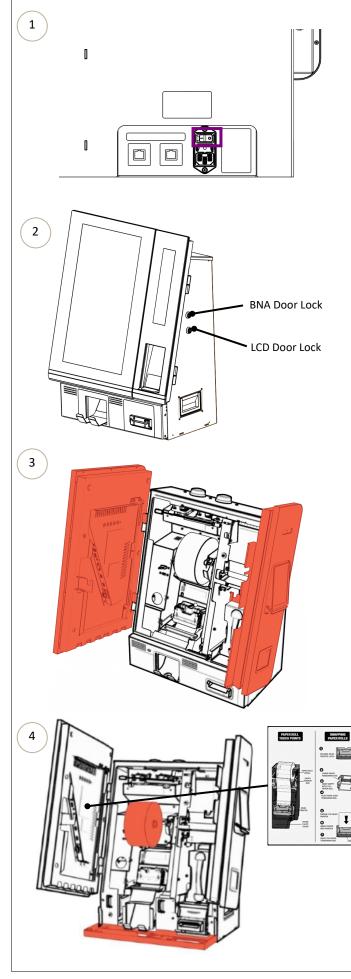
Remove & retain the Paper Roll & Spindle (for further information, follow the Swapping Paper Rolls Decal on the inside of the LCD Screen).

Chapter 9 - Fan Plenum Cleaning the Fan Plenum (continued)

5 STEP 5 Remove & retain 6x Nuts & Washers fastening the Fan Plenum to the Kiosk in locations shown using 7mm Socket Head & Handle. 6 STEP 6 Partially pull the Fan Plenum in an outwards direction. The Fan Plenum Looms will need to be disconnected from the PSU Enclosure prior to full removal. The Printer Assembly can be fully removed once done. 7 STEP 7 The Fan Filters can be cleaned to Nuts remove excessive dust build-up. Fan Using compressed air or similar, blow the Fan Filters to remove dust. Fan Filter If required, the Fans can be separated from the Fan Filters to improve cleaning process. Remove 8x Nuts using 7mm Socket Head & Fan Plenum Handle. Note the Fan direction prior to removal. To re-install the Fan Plenum, follow Steps 1 to 6 in reverse.

Chapter 10 - PSU Enclosure Assy

Replacing the PSU Enclosure Assy



STEP 1 The Kiosk is to be correctly shut down via the operating system prior to completing this activity.

On the LCD Screen, close all applications & shut down the PC.

Once done, turn the Power Switch from $I \rightarrow O$ at the rear of the Kiosk.

STEP 2 On the right-hand side of the Kiosk, the barrel locks open the following Kiosk Doors.

- 1) <u>**Bottom</u>** barrel lock = LCD Door.</u>
- 2) <u>**Top**</u> barrel lock = BNA Door.

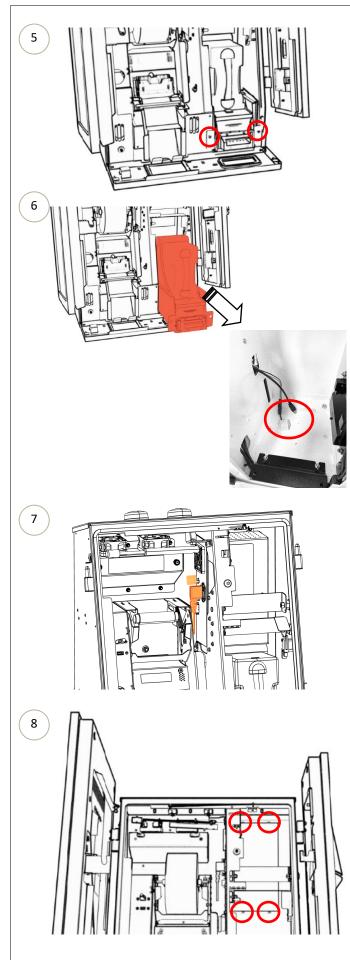
STEP 3 Open the Kiosk in the following order:

<u>Step A:</u> Insert the Kiosk Lock Key into the <u>bottom</u> barrel lock to open the LCD Door.

<u>Step B:</u> Insert the Kiosk Lock Key into the <u>top</u> barrel lock to open the BNA Door.

STEP 4 Open the Lower Door by lifting in an upwards direction to dis-engage from the retainer, then dropping downwards as shown.

Remove & retain the Paper Roll & Spindle (for further information, follow the Swapping Paper Rolls Decal on the inside of the LCD Screen).



STEP 5 Undo the 2x Captive Screws retaining the BNA Cradle into the Kiosk.

STEP 6 Partially pull the BNA Cradle in an outwards direction.

The BNA Cradle Looms will need to be disconnected from the Kiosk prior to full removal.

The BNA Cradle an be fully removed once done.

STEP 7 Disconnect all Molex Plugs from the PSU Enclosure on the inside of the Kiosk in locations shown.

STEP 8 Remove & retain 4x Nuts & Washers fastening the PSU Enclosure Assy to the Kiosk in locations shown using 7mm Socket Head & Handle.

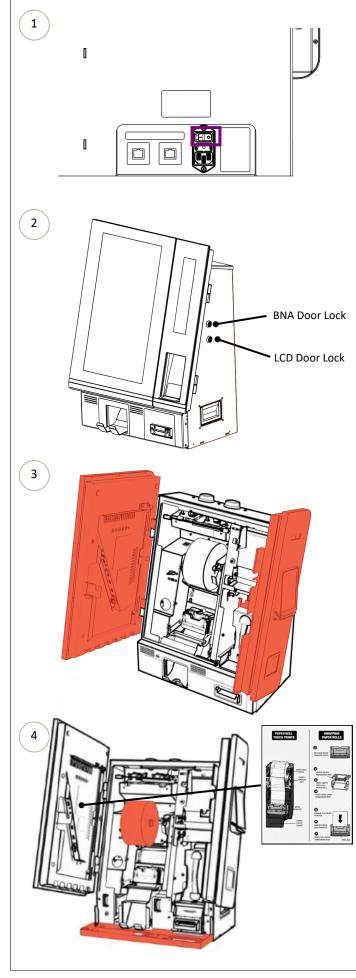
Guide the PSU Enclosure out of the Kiosk.

To re-install the PSU Enclosure, follow Steps 1 to 8 in reverse.

<u>NOTE:</u> CARE IS REQUIRED WHEN RE-INSTALLING THE MOLEX CONNECTORS TO THE PSU ENCLOSURE. CHECK THAT THE PINS ARE CENTRALISED WITHIN THE CONNECTOR TO AID ALIGNMENT WHEN RE-INSTALLING.

Chapter 11 - USB Hub

Replacing the USB Hub



STEP 1 The Kiosk is to be correctly shut down via the operating system prior to completing this activity.

On the LCD Screen, close all applications & shut down the PC.

Once done, turn the Power Switch from I \rightarrow O at the rear of the Kiosk.

STEP 2 On the right-hand side of the Kiosk, the barrel locks open the following Kiosk Doors.

- 1) <u>**Bottom</u>** barrel lock = LCD Door.</u>
- 2) <u>**Top**</u> barrel lock = BNA Door.

STEP 3 Open the Kiosk in the following order:

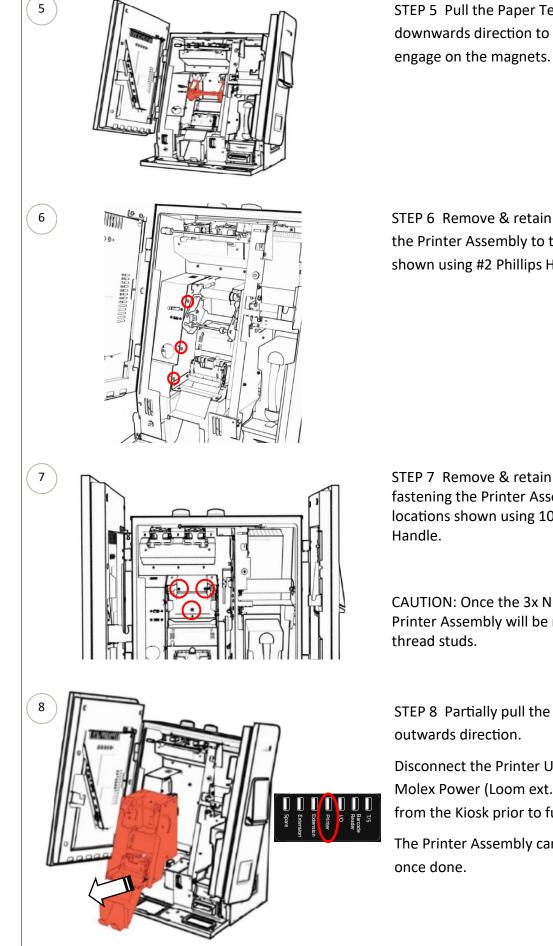
<u>Step A:</u> Insert the Kiosk Lock Key into the <u>bottom</u> barrel lock to open the LCD Door.

<u>Step B</u>: Insert the Kiosk Lock Key into the <u>top</u> barrel lock to open the BNA Door.

STEP 4 Open the Lower Door by lifting in an upwards direction to dis-engage from the retainer, then dropping downwards as shown.

Remove & retain the Paper Roll & Spindle (for further information, follow the Swapping Paper Rolls Decal on the inside of the LCD Screen).

Chapter 11 - USB Hub Replacing the USB Hub (continued)



STEP 5 Pull the Paper Tensioner in a downwards direction to the full stop position &

STEP 6 Remove & retain 3x Screws retaining the Printer Assembly to the Kiosk in locations shown using #2 Phillips Head Screwdriver.

STEP 7 Remove & retain 3x Nuts & Washers fastening the Printer Assembly to the Kiosk in locations shown using 10mm Socket Head &

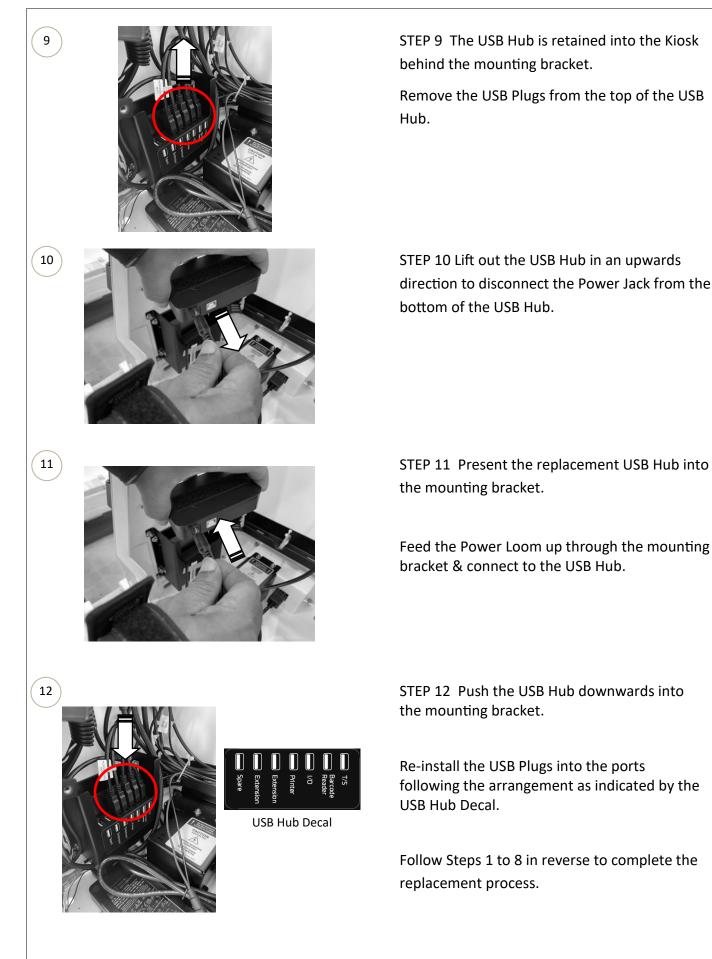
CAUTION: Once the 3x Nuts are removed, the Printer Assembly will be retained on the Kiosk

STEP 8 Partially pull the Printer Assembly in an

Disconnect the Printer USB (in USB Hub) & Molex Power (Loom ext. in PSU) connectors from the Kiosk prior to full removal.

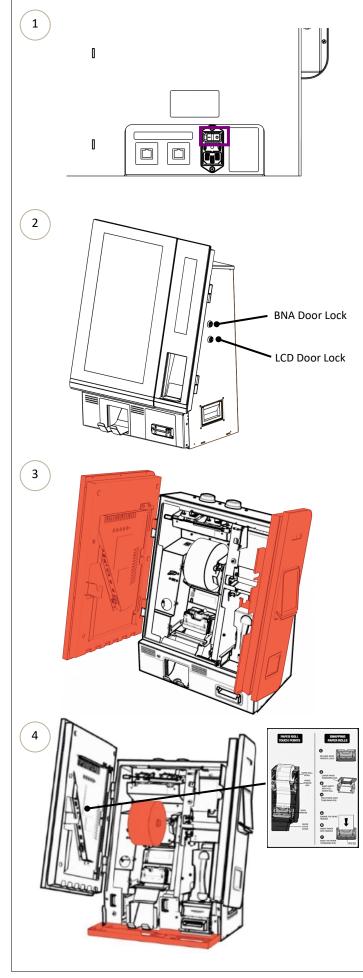
The Printer Assembly can be fully removed

Chapter 11 - USB Hub Replacing the USB Hub (continued)



Chapter 12 - NUC Module

Replacing the NUC Module



STEP 1 The Kiosk is to be correctly shut down via the operating system prior to completing this activity.

On the LCD Screen, close all applications & shut down the PC.

Once done, turn the Power Switch from I \rightarrow O at the rear of the Kiosk.

STEP 2 On the right-hand side of the Kiosk, the barrel locks open the following Kiosk Doors.

- 1) <u>**Bottom</u>** barrel lock = LCD Door.</u>
- 2) <u>**Top**</u> barrel lock = BNA Door.

STEP 3 Open the Kiosk in the following order:

<u>Step A:</u> Insert the Kiosk Lock Key into the <u>bottom</u> barrel lock to open the LCD Door.

<u>Step B</u>: Insert the Kiosk Lock Key into the <u>top</u> barrel lock to open the BNA Door.

STEP 4 Open the Lower Door by lifting in an upwards direction to dis-engage from the retainer, then dropping downwards as shown.

Remove & retain the Paper Roll & Spindle (for further information, follow the Swapping Paper Rolls Decal on the inside of the LCD Screen).

Chapter 12 - NUC Module Replacing the NUC Module (continued)

5

STEP 5 Pull the Paper Tensioner in a downwards direction to the full stop position & engage on the magnets.

STEP 6 Remove & retain 3x Screws retaining the Printer Assembly to the Kiosk in locations shown using #2 Phillips Head Screwdriver.

STEP 7 Remove & retain 3x Nuts & Washers retaining the Printer Assembly to the Kiosk in locations shown using 10mm Socket Head & Handle.

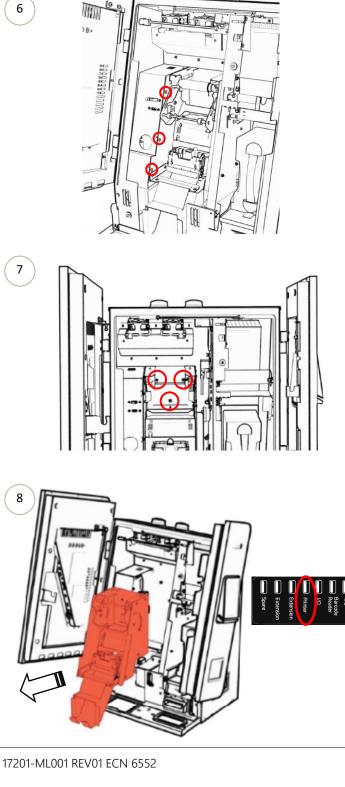
CAUTION: Once the 3x Nuts are removed, the Printer Assembly will be retained on the Kiosk thread studs.

STEP 8 Partially pull the Printer Assembly in an outwards direction.

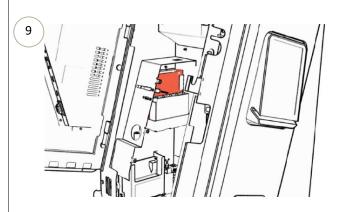
Disconnect the Printer USB (in USB Hub) & Molex Power (Loom ext. in PSU) connectors from the Kiosk prior to full removal.

The Printer Assembly can be fully removed once done.

The Printer Assembly can be fully removed



Chapter 12 - NUC Module Replacing the NUC Module (continued)



STEP 9 The NUC Module is retained into the Kiosk behind the mounting bracket.

Partially lift the USB Hub in an upwards direction to disconnect the Power Jack from the bottom of the USB Hub.

Remove the USB Plugs from the top of the NUC Module.

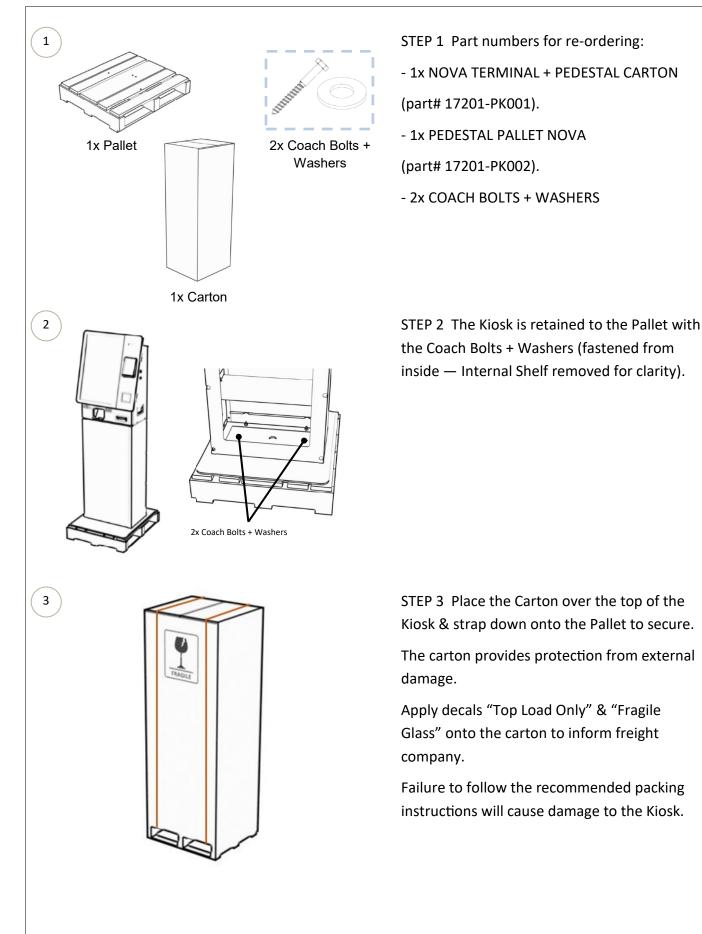
On initial Kiosk delivery, the NUC Module will be removed & sent for programming (customer activity).

The installation of the NUC Module is in the reverse of Chapter 12—Replacing the NUC Module in the User Manual.

Refer to the Quick Start Guide (17201-ML002) for further information.

Chapter 13 - Packing & shipping

Recommended packing and shipping instructions



Chapter 14 - Kiosk

Recommended service intervals

Check Points				W	М	1/2	Y
Power Supply Enclosure - Fan Filter: Inspect. Clean if required.					٠		
Kiosk Chassis - Fan Filter: Clean & inspect. Replace if required.					٠		
NUC PC - Fan: Inspect. Clean if required.					٠		
Hinge Screws Door La Door, Lower Door)	tch / Hinge / Gas Strut f	unction (LCD, BNA					●
Printer: Check for paper debris			•				
Barcode Scanner: Clean glass			•				
Clean LCD Screen glass			•				
Foam Gasket conditio	n					•	
Condition of Decals - customer facing							•
Condition of LCD Screen Door Looms. Replace if required.						•	
Environmental check: Rust, corrosion etc.						•	
General inspection: D	ust / debris, foreign obj	ects etc.				•	
D - Daily	W - Weekly	M - Monthly	Q - Quarterly			Y - Yearly	

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