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Retrofit G7 to G7 15 inch Upgrade Kit (US & Canada) Installation Guide		

Retrofit G7 to G7 15 inch Upgrade Kit (US & Canada) Installation Guide

Kit Part Numbers	Brief Description
RF00064-XX	G7 to G7 15 inch Upgrade Kit, Generic
RF00065-XX	G7 to G7 15 inch Upgrade Kit, Ovation



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Release History

Version	Prepared by	Date	Change description
0	Jojie Adigue & Michael Doh	08-Mar-2021	Initial Release
1	Michael Doh	02-Jun-2021	Updates from UL review
2	Michael Doh	18-Jun-2021	Corrected error in step 3 of section 4.5.3.

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1 Introduction

This documentation provides some basic guidelines for the removal of the G7 SDC module from an existing G7 Outdoor Payment Terminal (OPT) system Retrofit kit installation and the replacement with the G7 15 inch SDC (G7-100 SDC-15) module.

- G7 to G7 15inch, Generic Upgrade Kit
Kit part number: RF00064-XX


This Retrofit kit can only be installed into a dispenser which has been retrofitted with one of the following specific “UL Listed by Report Retrofit Kits”.

MH61528	RF00029-XX	Gilbarco Encore 500S, 700S, with G7, BLACK (US)
MH61528	RF00030-XX	Gilbarco Encore 500S, 700S, with G7, BLACK (US & Canada)
MH61528	RF00063-XX	Wayne Helix Standard, with G7 SDC, BLACK (US & Canada)
MH61882 & MH61528	6002-0004-8801	Optic 12 Standard (SDC, APC, UPC, NFC) - GVR Encore 300/500, Black
MH61882 & MH61528	6002-0005-8801	Optic 12 Standard (SDC, APC, UPC, NFC) - GVR Encore 500s Non-ECIM, Black
MH61882 & MH61528	6002-0007-8801	Optic 12 - Wayne Helix, CRIND (Standard)

- G7 to G7 15inch, Ovation Upgrade Kit
Kit part number: RF00065-XX

This Retrofit kit can only be installed into a dispenser which has been retrofitted with one of the following specific “UL Listed by Report Retrofit Kits”.

UL Report Number	Kit Part Number	Retro-Fit Kit Description
MH61528	RF00028-XX	Wayne Ovation 1, with G7, BLACK (US & Canada)
MH61528	RF00080-XX	Wayne Ovation 1, with G7, Painted (US & Canada)
MH61528	RF00062-XX	G7 (SDC, APC, UPC, NFC) - Wayne Ovation 2, Black (US)
MH61882 & MH61528	6002-0006-8801	Optic 12 Standard (SDC, APC, UPC, NFC) - Wayne Ovation II, Black

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1.1 Tools Required

The following tools are required to install the G7 15 inch SDC module:

- Philips #1 screwdriver
- Philips #2 screwdriver
- Philips #2 torque driver
- M3 nut socket torque driver
- 7mm nut socket torque driver
- Sticky residue cleaner
- Cleaning rag
- Flat bladed scraper or a putty knife
- 100% Isopropyl Alcohol (IPA) cleaner solution



WARNING



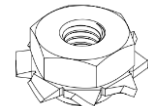

Do NOT use power tools if working on a fuel station forecourt.
Any spark could cause an explosion.

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1.2 Installation Kit Contents

1.2.1 G7 to G7 15 inch Upgrade Kit - Generic (RF00064-XX):


Unpack the G7 to G7 15 inch Upgrade Kit - Generic (RF00064-XX) and check that all the parts listed below are present

Retrofit Kit Contents		
Part Number	Description	Illustration
1 x EZ0537	G7 15 inch SDC module (G7100 SDC-15)	
1 x EP0091	G7 15 inch SDC panel mounting gasket	
16 x MN0073	Nut, M3, SEMS, 1/4"AF, 303	
4 x MN0026	M4 x 50mm Standoff (7mm Hex)	

Retrofit G7 to G7 15 inch Upgrade Kit (US & Canada) Installation Guide**1.2.2 G7 to G7 15 inch Upgrade Kit - Ovation (RF00065-XX):**

Unpack the G7 to G7 15 inch Upgrade Kit - Ovation (RF00065-XX) and check that all the parts listed below are present.

Retrofit Kit Contents		
Part Number	Description	Illustration
1 x EZ0537	G7 15 inch SDC module (G7100 SDC-15)	
1 x EP0091	G7 15 inch SDC panel mounting gasket	
16 x MN0073	Nut, M3, SEMS, 1/4"AF, 303	
1 x MP0526	G7 SDC Panel Gasket, Ovation	

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2 Safety & Compliance Information

This section introduces the hazards and safety precautions associated with installing, inspecting, maintaining or servicing the G7 to G7 15 inch Upgrade Kit. Before proceeding, check the relevant hazard and safety information. Fire, explosion or electrical shock could occur and cause death or serious injury if these safe service procedures are not followed.

2.1 Preliminary Precautions

You are working in a potentially dangerous environment of flammable fuels, vapour, and high voltage. Only trained or authorized individuals knowledgeable in the related procedures should install, inspect, maintain or service this equipment.

2.2 Emergency Total Electrical Shut-Off

Locate the forecourt emergency fuel shut-off valves and electrical isolation breakers. Understand how to use these, should they be required. Locate the switch or circuit breakers that shut-off all power to all fuelling equipment and dispensing devices.

2.3 Total Electrical Shut-Off Before Access

Any procedure requiring access to electrical components or the electronics of a pump/dispenser requires total electrical shut-off of that unit. Understand the function and location of this switch or circuit breaker before inspecting, installing, maintaining, or servicing the InvencoLink converter.


2.4 Evacuation, Barricading and Shut-Off

Any procedures requiring accessing a pump/dispenser head requires the following three actions:

- An evacuation of all unauthorized persons and vehicles
- Using safety tape or cones as barricades to the effected units
- A total electrical shut-off of the affected unit(s)

2.5 Read the Manual

Read, understand and follow this manual and any other labels or related materials supplied with the equipment. If you do not understand a procedure, call an Invenco Authorized Service Centre or Invenco Service Officer. It is imperative to your safety and the safety of others to understand the procedures before beginning work.

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2.6 Follow the Regulations

Regulations in OSHA (Occupational Safety and Health Regulations), national, state and local codes, including customer requirements must be followed. Failure to install, inspect, maintain or service this equipment in accordance with these codes, regulations and standards may lead to legal citations with penalties and may affect the safe use and operation of the equipment.

2.7 Replacement Parts

Use only genuine Invenco replacement parts and retrofit kits on your installation. Using parts other than genuine Invenco replacement parts could create a safety hazard and violate local regulations.

3 Safety Symbols and Terminology



This safety alert symbol is used in this manual and on warning labels to alert you to a precaution which must be followed to prevent potential personal safety hazard. Obey safety directives that follow this symbol to avoid possible injury or death.

Signal Words

These signal words used in this manual and on warning labels tell you the seriousness of particular safety hazards. The precautions below must be followed to prevent death, injury or damage to the equipment:



DANGER: Alerts you to a hazard or unsafe practice which will result in death or serious injury.



WARNING: Alerts you to a hazard or unsafe practice that could result in death or serious injury.



CAUTION: Designates a hazard or unsafe practice which may result in minor injury, property or equipment damage.

Working With Fuels and Electrical Energy

3.1 Prevent Explosions and Fires

Fuels and their vapors may explode or burn if ignited. Spilled or leaking fuels cause vapors. Even filling customer tanks will cause potentially explosive vapors in the vicinity of dispenser or island.

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3.1.1 No Open Flames



Open flames from matches, lighters, welding torches or other sources can ignite fuels and their vapors.

3.1.2 No Sparks - No Smoking



Sparks from starting vehicles, starting or using power tools, burning cigarettes, cigars or pipes can also ignite fuels and their vapour. Static electricity, including an electrostatic charge on your body, can cause a spark sufficient to ignite fuels and their vapors. After getting out of a vehicle, touch the metal of your vehicle to discharge any electrostatic charge before you approach the dispenser island.

3.1.3 Working Alone

It is highly recommended that someone who is capable of rendering first aid be present during servicing. Be familiar with Cardiopulmonary Resuscitation (CPR) methods if you are working with or around high voltages. This information is available from the First Aid training providers. Always advise the station personnel about where you will be working, and caution them not to activate power while you are working on the equipment. Use the OSHA Tag-out/Lockout procedures. If you are not familiar with this requirement, refer to information in the relevant manual and OSHA documentation.

3.1.4 Working with Electricity Safety


Ensure that you use safe and established practices in working with electrical devices. Poorly wired devices may cause a fire, explosion or electrical shock. Ensure that grounding connections are properly made. Take care that sealing devices and compounds are in place. Ensure that you do not pinch wires when replacing covers. Follow OSHA Tag-out/Lockout requirements. Station employees and service contractors need to understand and comply with this program completely to ensure safety while equipment is down.

For USA: Follow all applicable requirements in NFPA 30, 30A and 70, and those of the Local Authority Having Jurisdiction for electrical wiring.

For Canada: Follow all applicable requirements in Canadian Electrical Code (CE Code), CSA C22.1.

3.1.5 Hazardous Materials

Some materials present inside electronic enclosures may present a health hazard if not handled correctly. Be sure to clean hands after handling equipment. Do not place any equipment in mouth.

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3.1.6 In an Emergency

Compile the following information in case of emergency:

- Location of accident (e.g. address, front/back of building, etc).
- Nature of accident (e.g. possible heart attack, struck by a vehicle, burns, etc).
- Age of victim (e.g. baby, teenager, middle-age, elderly).
- Whether or not victim has received first aid (e.g. stopped bleeding by application of pressure etc).
- Whether or not victim has vomited (e.g. if swallowed or inhaled something etc).

IMPORTANT: Oxygen may be needed at scene if gasoline has been ingested or inhaled. Seek medical advice immediately.

3.1.7 Approvals

Invenco develops and maintains its hardware and software products using industry-standard quality processes, and is audited by various bodies.


The Invenco G7 15 inch SDC module (G7-100 SDC-15) has UL File References of E469526 and E480135 and carries a label similar to this:



The Invenco Retro-Fit Kit has UL File Reference of MH61528.

3.2 Computer Programs and Documentation

All Invenco Group Ltd. computer programs (including software on discs and within memory chips) and documentation are copyrighted by, and shall remain the property of, Invenco Group Ltd. Such computer programs and documents may also contain trade secret information. The duplication, disclosure, modification, or unauthorized use of computer programs or documentation is strictly prohibited, unless otherwise licensed by Invenco Group Ltd.

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4 Installation Guide

1. Please ensure all safety procedures are followed per requirement by the customer before installing the retrofit kit.
2. Remove power to Pump and follow the OSHA Lock-out/Tag-out procedures.




WARNING

Failure to turn off the unit during installation of the kit may cause injury or bodily harm from electrical shock. Ensure that all power to the unit is switched off before opening the door of the unit and during kit installation.

This section covers the processes relevant to the removal of the existing G7 SDC module and the installation of the new G7-100 SDC-15 module:

- Opening of the dispenser.
- Unplugging and marking cables from the existing G7 SDC module.
- Removal of the existing G7 SDC module and related components
- Installation and plugging of the cables in the new G7-100 SDC-15 module
- Closing of the dispenser

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4.1 Opening the dispenser

4.1.1 Opening the Wayne Ovation 1 or Ovation 2 dispenser

1. At the main disconnect panel, disconnect all power to the dispenser and the pump servicing the dispenser. Tag all disconnected breakers to prevent others from reconnecting power.
2. Use a Wayne Security Key to unscrew the two security bolts located on the left-hand side of the dispenser's door face.



Location of the Security Bolts

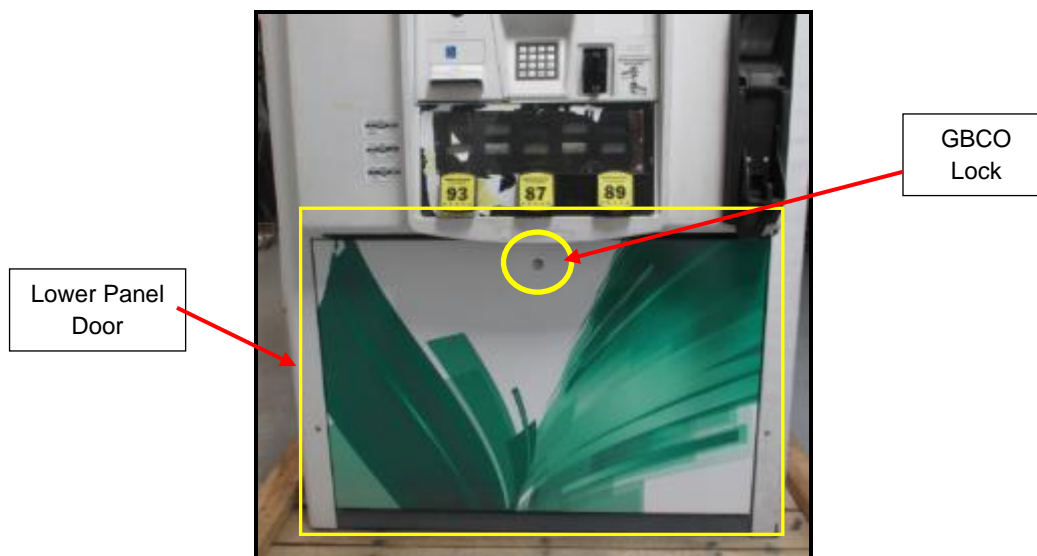
3. Open the door fully until it locks into place. Engage the prop rod if there is one:



4. Proceed to section 4.2: Removal of the existing G7 SDC module

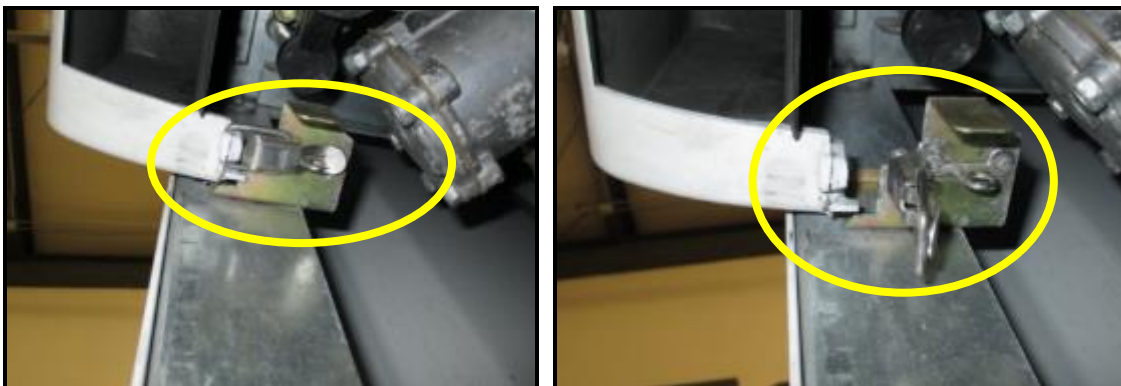
Retrofit G7 to G7 15 inch Upgrade Kit (US & Canada) Installation Guide**4.1.2 Opening the GVR Encore 500S or 700S dispenser**

1. At the main disconnect panel, disconnect all power to the dispenser and the pump servicing the dispenser. Tag all disconnected breakers to prevent others from reconnecting power.
2. Unlock and remove the lower panel door with the “GBCO” key. Set it aside. Do not discard the lower door. It will be re-installed later during the installation procedure.



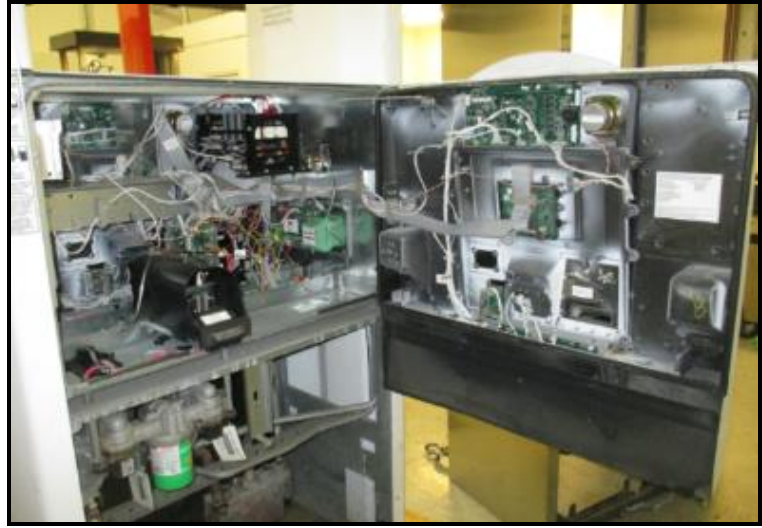
Location of Panel Door and Lock

3. Undo the lower door latch located underneath the left-hand side of the Main Dispenser Door.



4. Unlock the main dispenser door lock located on the upper left-hand side of the Main Dispenser Door using the “CH 751” key. Open the door until it locks into its fully open position.

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5. Proceed to section 4.2: Removal of the existing G7 SDC module

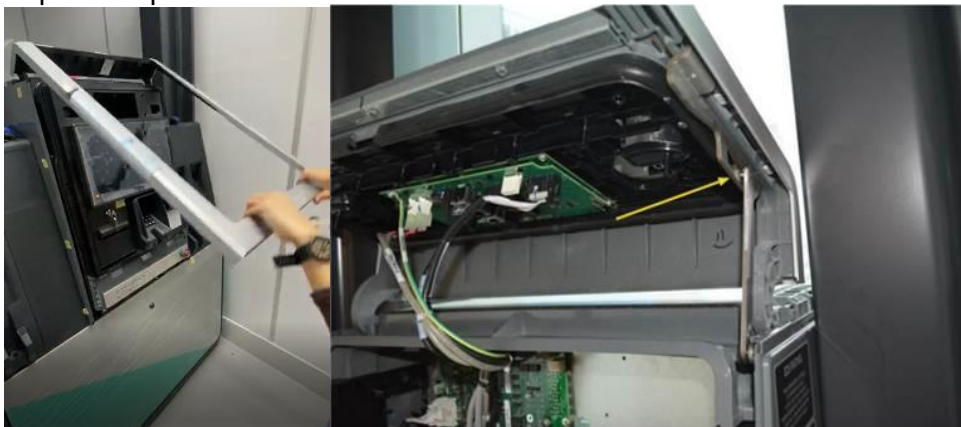
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4.1.3 Opening the Wayne Helix Standard dispenser

1. At the main disconnect panel, disconnect all power to the dispenser and the pump servicing the dispenser. Tag all disconnected breakers to prevent others from reconnecting power.
2. Using the provided key for the dispenser, unlock the lower metal frame on the Helix dispenser.



3. Raise the dispenser collar frame and place the Prop Rod in the upper right corner to hold up the dispenser collar frame.



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4. Loosen the two captive screws on each side of the G7 Helix Standard RFK panel (using a #2 Philips screwdriver).



5. Carefully and slowly start to pull out the G7 Helix Standard RFK panel (the slide rails will extend out), until it is partially open as much as possible without stretching the connected cables.

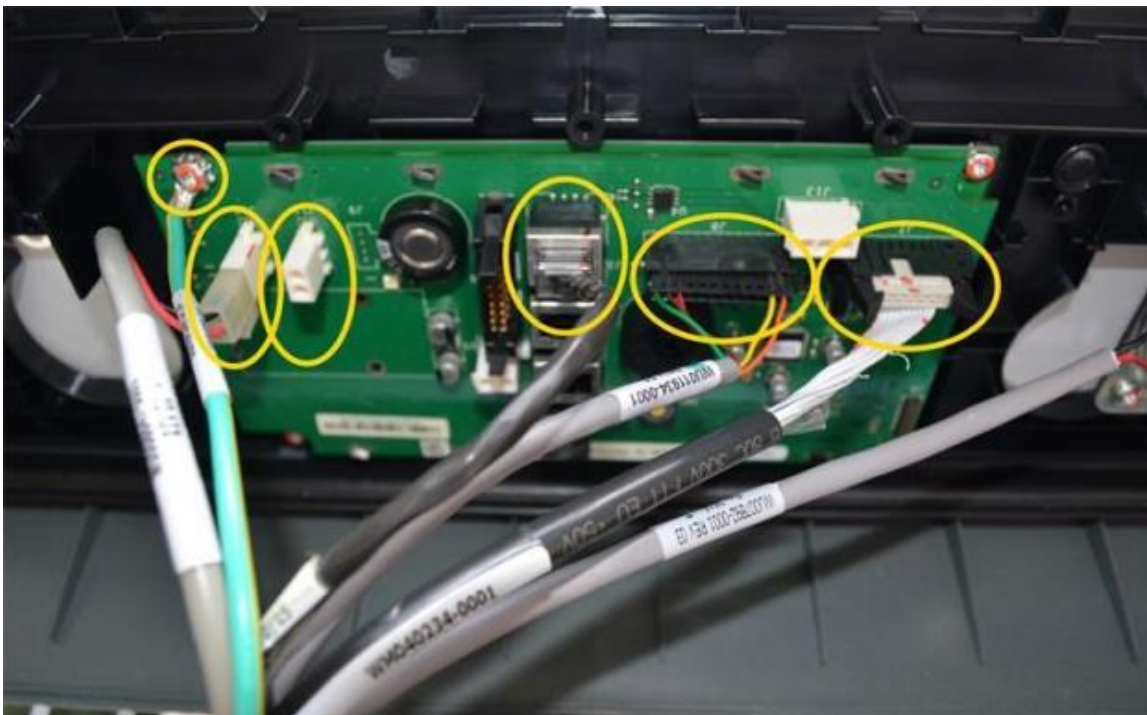


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6. On the PPU Board located on the lower part of the G7 Helix Standard RFK panel, mark/label and temporarily unplug the PPU (up to 5 PPUs may be included depending on the configuration), Grade Select Button, totalizers (if present), and Call/Intercom Button (if present on PPU panel) connections.



7. On the Helix Customer Display located on the upper part of the G7 Helix Standard RFK panel, mark/label and temporarily unplug the customer display cables and comm speaker (if present) connections and unscrew the grounding wire screw using a T7 Torx driver.



8. Pull out the G7 Helix Standard RFK panel further until the slide rail extends out (as allowed up to the slide rail stop). Then proceed to section 4.2: Removal of the existing G7 SDC module.

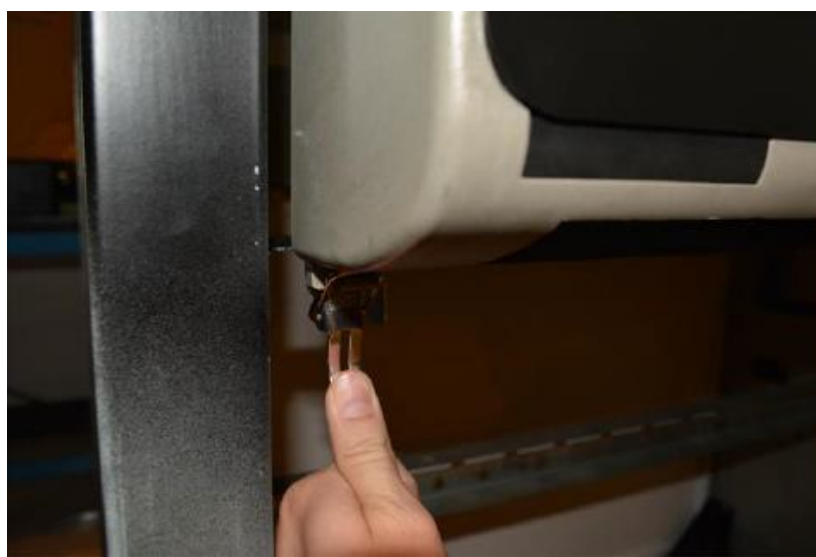
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4.1.4 Opening the GVR Encore 300/500 or Encore 500S Non-ECIM dispenser

1. At the main disconnect panel, disconnect all power to the dispenser and the pump servicing the dispenser. Tag all disconnected breakers to prevent others from reconnecting power.
2. Unlock and remove the lower panel door with the “GBCO” key. Set it aside. Do not discard the lower door. It will be re-installed later during the installation procedure.



3. Undo the bottom latch.




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4. Unlock the main door and open the door until it locks into its fully open position.



5. Proceed to section 4.2: Removal of the existing G7 SDC module

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4.2 Removal of the existing G7 SDC module

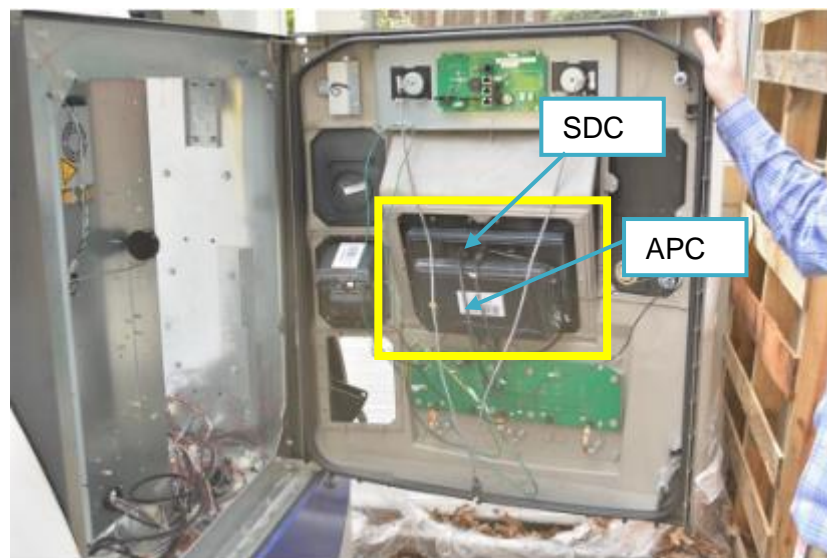
1. Identify the existing G7 SDC module. It is typically fitted around the middle of the dispenser door panel and has the APC module mounted on the rear.



Front View



Rear View – note the APC module is mounted on the G7 SDC module

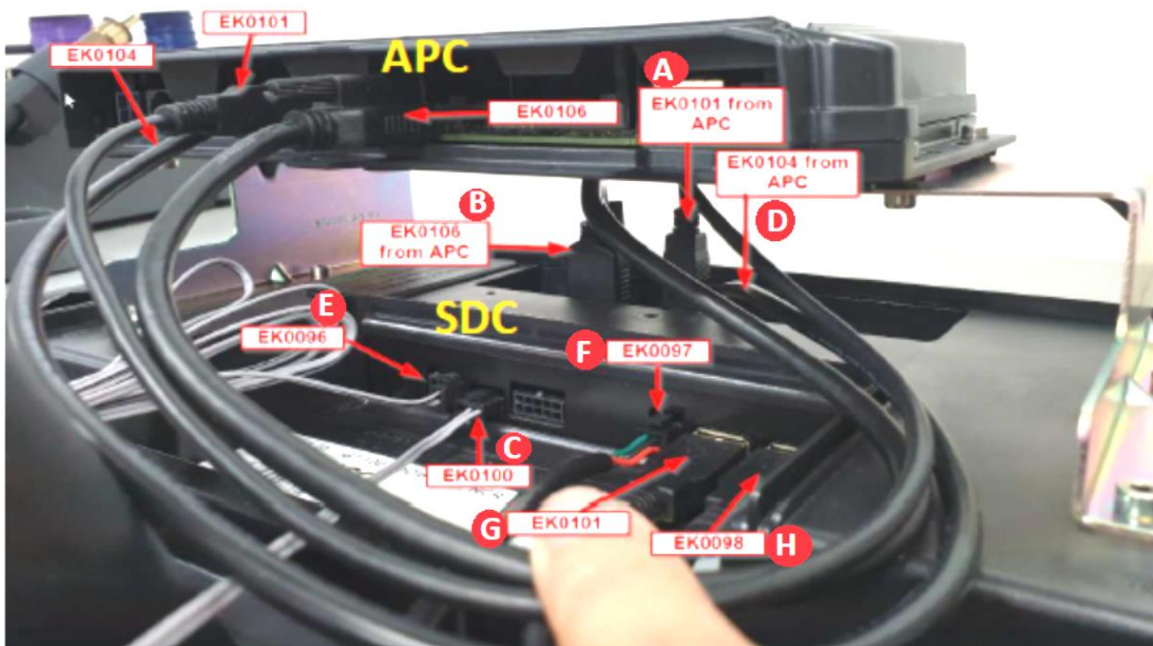


G7 SDC module fitted on the dispenser door panel

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2. Clearly mark / label all the cables attached to the G7 SDC module as follows, for later reconnection with the G7-100 SDC-15 module that will be installed:

- A. USB cable from the APC (EK0101)
- B. HDMI cable from the APC (EK0106)
- C. UPC audio cable (EK0100)
- D. DC power cable from the APC (EK0104)
- E. Speaker cable (EK0096) (Optional - may not be fitted, or two could be fitted)
- F. UPC power (EK0097)
- G. USB cable to the UPC (EK0101)
- H. USB cable to the Barcode Reader in the UPC (EK0098)



Note that the following additional cables could also be fitted if the G7 printer and/or the G7 ADA modules are present, these will need to be marked / labelled also:

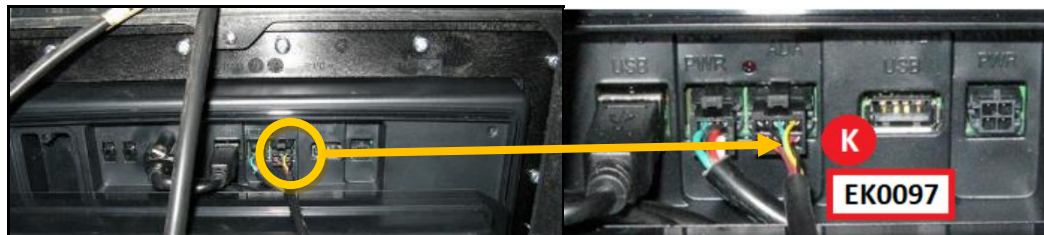
G7 Printer:

- I. G7 printer USB (EK0157) cable
- J. G7 printer power (EK0117) cable

Alternatively for the Ovation dispensers, the original dispenser legacy printer may have been utilized. In this case, mark / label only the G7 Legacy printer cable (EK0153) instead (from the same printer socket on the G7 SDC – “I”).

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K. ADA (EK0097) cable



3. Detach the APC module that is mounted on the SDC module by undoing the four screws holding the APC in place (use a Philips #2 screwdriver). Retain these screws for re-use later during the installation steps. Cut any cable ties that are securing the cables connecting to the APC module as required. Temporarily hold the APC in one hand, while removing the cables connected to the SDC with the other (do not remove the cables from the APC), referring to the image in step 2:
- A. USB cable from the APC (EK0101)
 - B. HDMI cable from the APC (EK0106)
 - D. DC power cable from the APC (EK0104)

Then, place the APC module inside the dispenser or on a suitable workspace.



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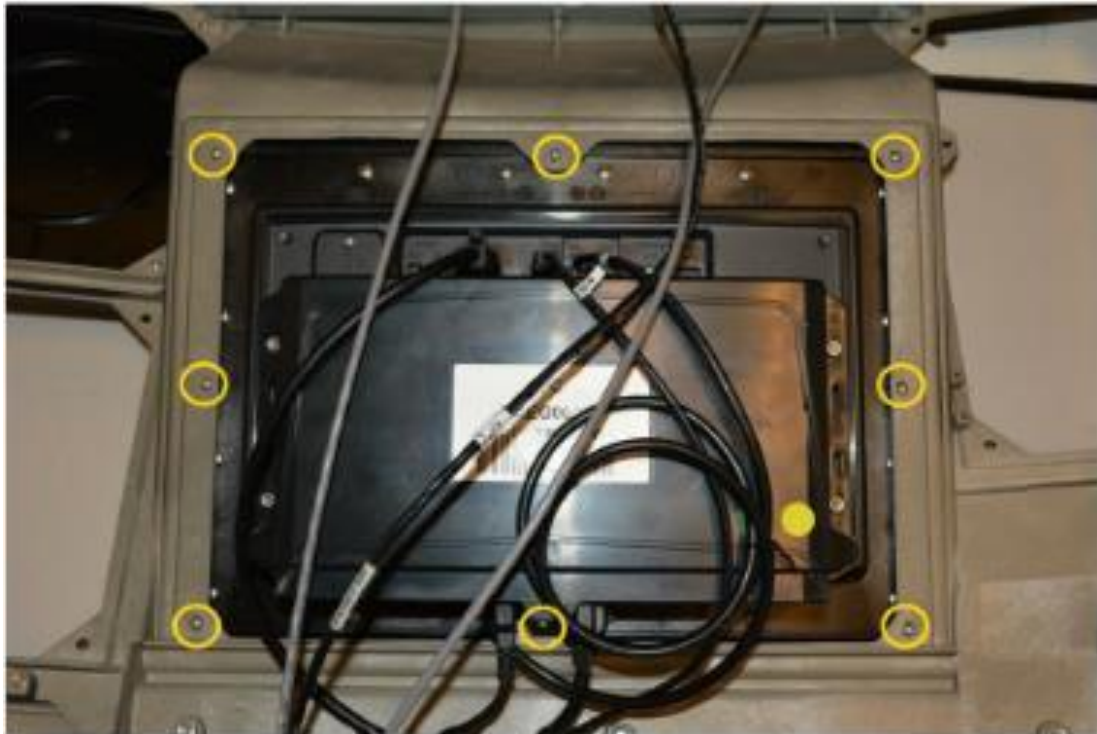
4. Remove all remaining cables that were marked / labelled in step 2.
5. Remove the 4 x 50mm standoffs (use the 7mm socket nut driver) or the 2 x brackets (use a Philips #2 screwdriver) from the SDC that the APC was mounted on. Retain the 50mm standoffs for later re-use. Discard the brackets and the bracket retaining screws, as these are no longer required.




Removing the screws that hold the APC mounting brackets in place

6. For the Ovation 1 and Ovation 2 dispensers only

Remove the G7 SDC panel assembly by unscrewing 8 screws as shown in the below image, using a Philips #1 screwdriver, while holding the front side of the module so that it does not fall off the front of the dispenser. Ensure to retain the panel, 8 screws and the 8 washers that were fitted with the screws for later re-installation.



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7. Remove the existing G7 SDC module from the mounting panel by unscrewing 16 mounting screws as shown in the below image, using a Philips #2 screw driver.

For the Ovation 1 and Ovation 2 dispensers only:

Place the G7 SDC panel assembly that was removed in step 6 face down on a horizontal surface first before unscrewing the mounting screws. Retain the panel for later re-installation.


For all dispensers, the mounting screws are no longer required and can be discarded.



Do this with caution to prevent from accidental drop of the SDC unit and causing injury.

NOTE: Return the old G7 SDC module to Invenco for secure disposal

8. Repeat from “Section 4.1: Opening the dispenser” through to step 7 of “Section 4.2: Removal of the existing G7 SDC module” for the other side of the dispenser for double sided dispensers.

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4.3 Pre-Installation Procedure (Ovation 1 and Ovation 2 dispensers only)

When installing in the Ovation 1 or Ovation 2 dispensers (RF00065-XX kit), replace the SDC door panel gasket MP0526.




This applies to each of the sides that the RF00065-XX kit is being installed in (i.e. for double sided dispenser installation, apply the pre-installation procedure to both sides).

4.3.1 Remove the Existing Panel Gasket

1. Identify the existing SDC door panel gasket as per the above image. Starting at the joint or a torn end, carefully remove the old gasket material.
 - a. Pull the gasket **extremely slowly** and at an approximate **angle of 45 degrees**.
 - b. Removing the gasket slowly will give the best chance of removing the old adhesive and preventing the gasket from breaking into many small fragments.
2. Remove any remaining residue.
 - a. Apply sticky residue cleaner to the cleaning rag and wipe away all the adhesive residue.
 - b. Use the flat bladed scraper or the putty knife on stubborn areas, taking care not to gouge the plastic surface.



WARNING: Do not flood the area being cleaned with a direct spray of sticky residue cleaner as excess cleaner may damage adjacent gaskets.

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3. Apply IPA cleaner solution to a new cleaning rag and thoroughly wipe down the area cleaned with the sticky residue cleaner.
4. Allow the plastic to dry completely.

4.3.2 Install New Gasket



Display RFK Panel (gasket part number MP0526):

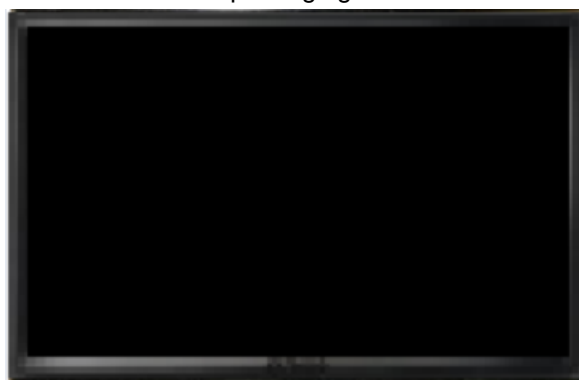
1. Apply new gasket, starting with the horizontal segment along the top edge of the bezel opening. Peel off the backing paper on this segment only, align the gasket in the gasket channel and press into place. Take care not to stretch the gasket.
2. Peel off the backing paper on a vertical segment, align the gasket in the channel and press into place. The corner should be closed and the edges touching.
3. Repeat step 2 with the other vertical channel.
4. Before removing the backing paper, check that the two remaining segments meet successfully in the middle. Adjust alignment of the vertical sections if necessary.
5. Peel off the remaining backing paper on the last two segments and press into place. The corners should be closed and the edges touching. A small witness gap is permissible at the join at the middle bottom edge.

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4.4 Installation of the new G7 15 inch SDC module (G7-100 SDC-15)

This section follows from the previous preparation procedures, and assumes the pump is still open. References to “left-hand” and “right-hand” are as viewed into the pump on the Side you are working on.

1. Identify the new replacement G7 15 inch SDC module (EZ0537) from the upgrade kit RF00064-XX or RF00065-XX. Remove from the packaging.



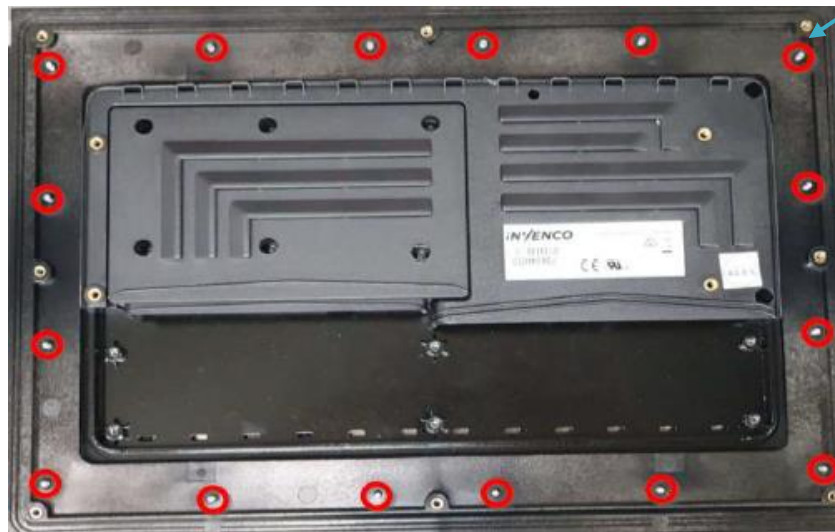
2. Identify the G7 15 inch SDC gasket (EP0091) from the upgrade kit RF00064-XX or RF00065-XX. Fit the gasket to the rear of the G7 15 inch SDC module. The gasket is designed such that it can only be fitted in one orientation. Ensure to align the grooves and holes for correct fit, ensuring there are no folds or squashed parts.



3. Place the G7 15 inch SDC module (G7-100 SDC-15) with the gasket fitted, over the same SDC mounting panel that the existing G7 SDC module was previously removed from (note that for the Ovation 1 and Ovation 2 dispensers, this was the SDC panel that was previously removed from step 6 of section 4.2). To ensure the module is installed the correct way up, observe that the “iNVENCO” logo is at the bottom of the display and is upright.

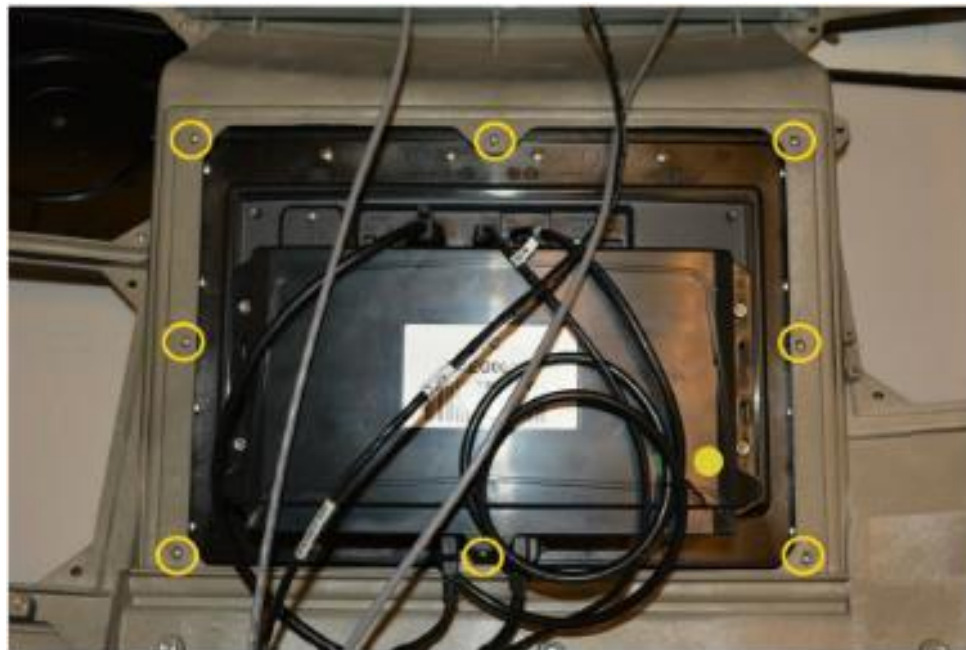
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4. Tighten the 16 M3 Nuts (MN0073) over the studs on the rear of the G7 15 inch SDC module to secure the new module into the SDC mounting panel. Begin by tightening with hand, then use an M3 nut socket torque driver to tighten each nut to 0.65 ~ 0.70 Nm.



5. **For Ovation 1 Ovation 2 For the Ovation 1 and Ovation 2 dispensers only**

Fit the SDC panel (now with the G7 15 inch SDC module mounted) back in the dispenser by screwing the 8 screws and the 8 washers that were removed and retained in step 6 of section 4.2, using a Philips #1 screwdriver.

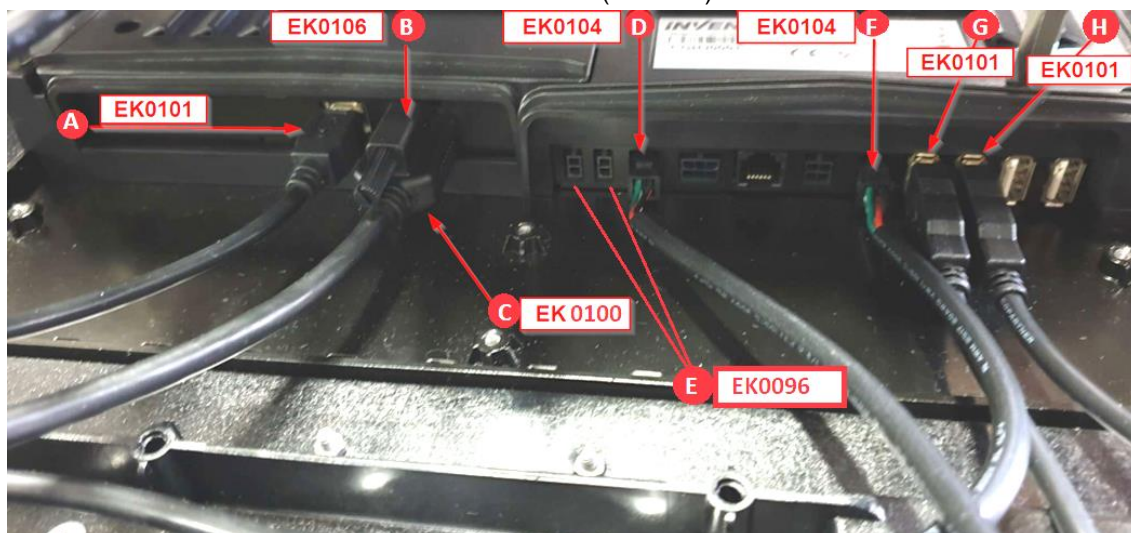


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6. Fix the 4 x APC mounting standoffs to the rear of the G7 15 inch SDC module.
- For installation in Ovation 1 or Ovation 2 dispensers (kit RF00065-XX), these are the same standoffs that were removed and retained in step 5 of section 4.2.
- For the other dispensers (kit RF00064-XX), the 4 x M4 50mm standoffs (MN0026) are included with the kit.
- Use a 7mm nut socket torque driver to tighten the 4x standoffs with Torque of 0.65 to 0.70Nm.



7. Reconnect all the cables that were previously marked/labelled in step 2 of section 4.2 and removed.
- A. USB cable from the APC (EK0101)
 - B. HDMI cable from the APC (EK0106)
 - C. UPC audio cable (EK0100)
 - D. DC power cable from the APC (EK0104)
 - E. Speaker cable (EK0096) (Optional - may not be fitted, or two could be fitted)
 - F. UPC power (EK0097)
 - G. USB cable to the UPC (EK0101)
 - H. USB cable to the Barcode Reader in the UPC (EK0098)



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Note that the following additional cables will also need be plugged in if the G7 printer and/or the G7 ADA modules are present, as checked and marked/labelled in step 2 of section 4.2.

G7 Printer:

- I. G7 printer power (EK0117) cable
- J. G7 printer USB (EK0157) cable

Alternatively for the Ovation dispensers, the original dispenser legacy printer may have been utilized. In this case, plug in only the G7 Legacy printer cable (EK0153) instead (in the same printer socket on the G7 15 inch SDC – “J”).



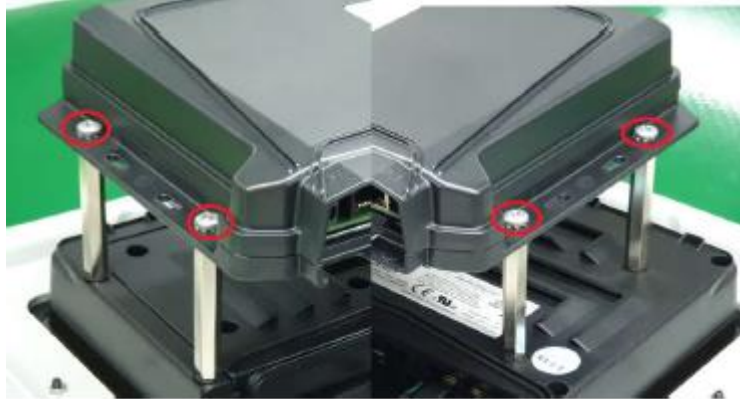
G7 ADA module:

- K. ADA (EK0097) cable



8. Mount the APC module (that was previously removed from the existing G7 SDC module) on the rear of the new replacement SDC module, by fixing with the same 4 screws that were retained from step 3 of section 4.2 (use a Philips #2 torque driver with Torque of 0.65 to 0.70Nm).

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9. Ensure that all cables are tidy and cannot become snagged or pinched when the door of the cabinet is opened and closed.
10. Proceed to section 4.5: Closing the dispenser.

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4.5 Closing the dispenser

4.5.1 Closing the Wayne Ovation 1 or Ovation 2 dispenser

1. Disengage the prop rod if this was engaged during the opening of the dispenser (section 4.1.1).
Close the door fully.



2. Use a Wayne Security Key to screw the two security bolts located on the left-hand side of the dispenser's door face.



Location of the Security Bolts

3. Proceed to Section 4.6: Completing the installation.

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1. Close the door until it locks into its fully closed position. Lock the main dispenser door lock located on the upper left-hand side of the Main Dispenser Door using the "CH 751" key.

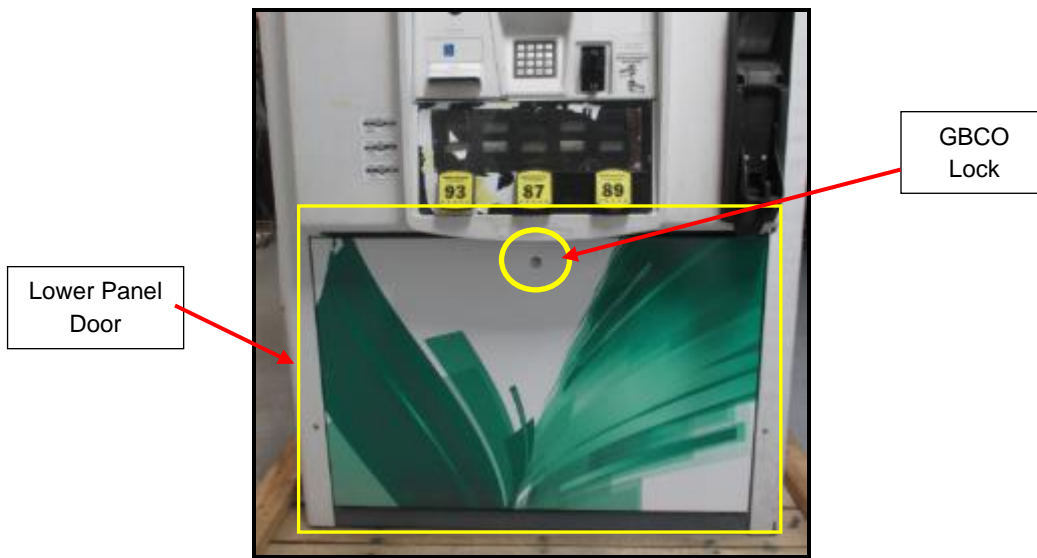


2. Do up the lower door latch located underneath the left-hand side of the Main Dispenser Door.



3. Reinstall the lower panel door that was removed during the opening of the dispenser (section 4.1.2) and lock the lower panel door with the "GBCO" key.

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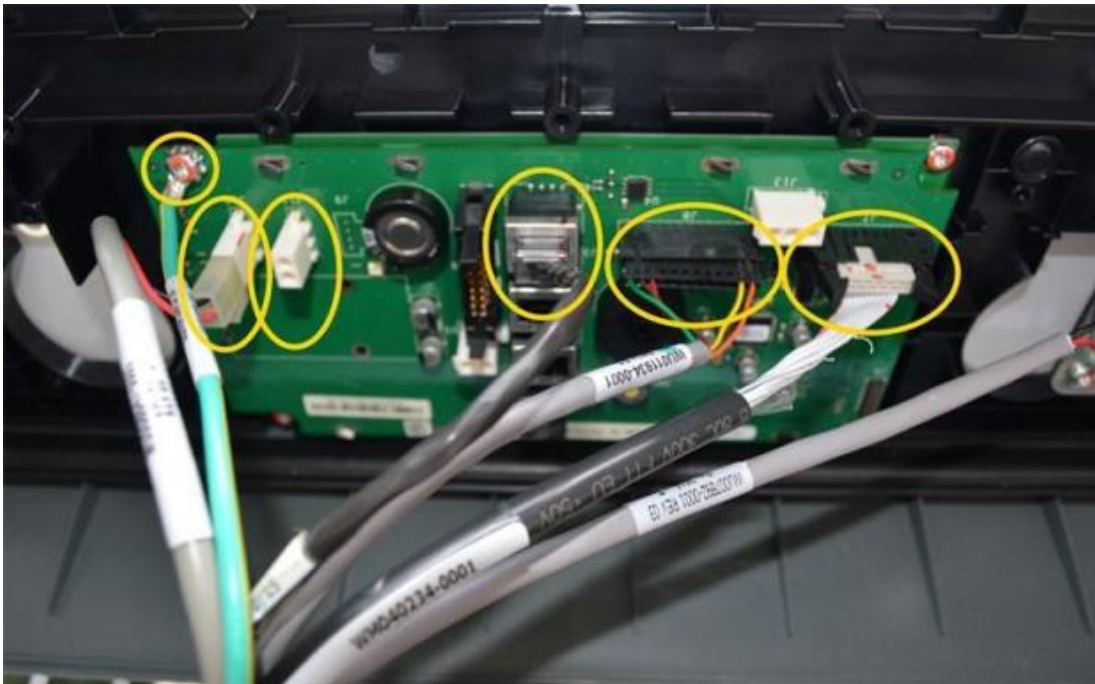
Location of Panel Door and Lock

4. Proceed to Section 4.6: Completing the installation.

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4.5.3 Closing the Wayne Helix Standard dispenser

1. Push in the G7 Helix Standard RFK panel until the customer display cables, grounding wire, and comm speaker (if present) that were marked/labelled and unplugged during the opening of the dispenser (section 4.1.3) can reach the respective connectors on the Helix Customer Display located on the upper part of the G7 Helix Standard RFK panel. Re-plug the customer display cables and comm speaker (if present) connections and re-screw the grounding wire screw using a T7 Torex driver.



2. On the PPU Board located on the lower part of the G7 Helix Standard RFK panel, re-plug the PPU, Grade Select Button, totalizers (if present), and Call/Intercom Button (if present on PPU panel) connections that were marked/labelled and unplugged during the opening of the dispenser (section 4.1.3).



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3. Push in the G7 Helix Standard RFK panel all the way in until completely closed. Tighten the two captive screws on each side of the panel (using a #2 Philips screwdriver).



4. Release the Prop Rod that was holding up the dispenser collar frame in the upper right corner and lower the dispenser collar frame.



5. Using the provided key for the dispenser, lock the lower metal frame on the Helix dispenser.

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5. Proceed to Section 4.6: Completing the installation.

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4.5.4 Closing the GVR Encore 300/500 or Encore 500S Non-ECIM dispenser

1. Close the main door until it locks into its fully open position and lock the main door.



2. Do up the bottom latch.




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3. Reinstall the lower panel door that was removed during the opening of the dispenser (section 4.1.4). Lock the panel door with the “GBCO” key



4. Proceed to Section 4.6: Completing the installation.

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4.6 Completing the installation

1. Repeat “Section 4.4: Installation of the new G7 15 inch SDC module” and “Section 4.5: Closing the dispenser” for the other side of the dispenser for double sided dispensers.
2. The installation is now completed.



WARNING – Local regulations may also require that the installation is electrically tested and certified BEFORE switch-on.