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Retrofit G6 to G6-300 OPT Upgrade (US & Canada) Installation Guide

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Kit Part Numbers	Brief Description
RF00066-XX	Retrofit G6 to G6-300 OPT Upgrade



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Release History

Version	Prepared by	Date	Change description
0	Jojie Adigue	27-Oct-2020	Initial Release
1	Shibani Joshi	06-Oct-2021	Updated content
2	Shibani Joshi	09-Nov-2021	Revisions based on UL comments

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Retrofit G6 to G6-300 OPT Upgrade (US & Canada) Installation Guide

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1 Introduction

This documentation provides some basic guidelines for the removal of the G6 OPT module from an existing G6 system Retrofit kit installation and the replacement with the G6-300 OPT.

- Retrofit G6 to G6-300 OPT Upgrade:
Kit part number: RF00066-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	6001-0007-8801	G6, Wayne, Vista V, 1V, 2V, Black, (US)
MH61528	6001-0014-8801	G6, Wayne Vista 3V, Black, (US)
MH61528	6001-0017-8801	G6, Wayne, Vista 3V with 4V door, Narrow, Black., (US)
MH61528	6001-0018-8801	G6, Wayne, Vista 3V with 4V door, Wide, Black, (US)
MH61528	6001-0015-8801	G6, Wayne, Vista 4V Black, (US)
MH61528	6001-0005-8801	G6, Wayne, Ovation 1, Black, (US)
MH61528	6001-0004-8801	G6, Encore 500S/700S ECIM (US)
MH61528	6001-0001-8801	G6, Gilbarco, Advantage (US)
MH61882	6001-0003-8801	G6, Gilbarco, Encore 300/500 (US)
MH61882	6001-0008-8801	G6, Tokheim, Premier B (US)
MH61882	6001-0009-8801	G6, Tokheim, Premier C (US)
MH61882	6001-0011-8801	G6, Gilbarco, Encore 500S Non-ECIM, (US)
MH61882	6001-0012-8801	G6, Wayne, Ovation2, (US)
MH61882	6001-0013-8801	G6, Gilbarco, Advantage (Kit v2), (US)

IMPORTANT NOTE: The installer must review the entire installation guide prior to starting any work on the dispenser. If the construction of the dispenser in the installation guide does not match the construction of the dispenser being retrofitted, then do not proceed with the installation and contact customer service.

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1.1 Tools Required

The following tools are required to upgrade a G6 OPT to G6-300 OPT.

- Safety Glasses
- GVR 751 Key
- Plastic scraper/ Nylon Point Blade/ Spudger
- Nylon Point Blade
- Spuder
- #6 (or small) and medium Phillips Screwdriver
- Socket Wrench and Assorted Hex Sockets or Nut Drivers
1/4" and 7/16" (Could vary by pumps)
- Small Wire/ Zip-tie Clippers
- Philips #1 screwdriver
- Philips #2 screwdriver
- Philips #2 torque driver
- M4 Hex screwdriver
- M3 nut socket torque driver
- 7mm nut socket torque driver
- Sticky residue cleaner
- Cleaning rag
- Flat bladed scraper or a putty knife
- Household sticky residue remover containing limonene. e.g. Goo Gone®
- 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.

The following tools are not provided in the kit, however, should be carried by the install technician:

- Cable Restraints or Zip Ties
- Cloth Rags

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1.2 Installation Kit Contents

Unpack the Retrofit G6 to G6-300 OPT Upgrade ([RF00066-XX](#)) and check that all the parts listed below are present

Retrofit Kit Contents		
Part Number	Description	Illustration
(x1) IP0139-XXX	G6-300 OPT	
(x12) MS0176	SCREW, M4 X 10, BUTTON, HEX, SS304	
(x8) MN0118	25mm Stand-Offs	
(x1) EK0219	Cable Assy, Adaptor G6-300 Plug to G6 cable, 0.1m	

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(x1) MP0534	GASKET, RETROFIT KIT, VISTA, G6	
(x1) MP1184	Gasket, G6 Hatch	

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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 OSHR (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 OPT (Outdoor Payment Terminal) system 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 G6 OPT and the installation of the new G6-300 OPT:

- Opening of the dispenser.
- Unplugging and marking cables from the existing G6 OPT
- Removal of the existing G6 OPT and related components
- Installation and plugging of the cables in the new G6 OPT
- Closing of the dispenser

4.1 Opening the dispenser

4.1.1 Opening the G6 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.



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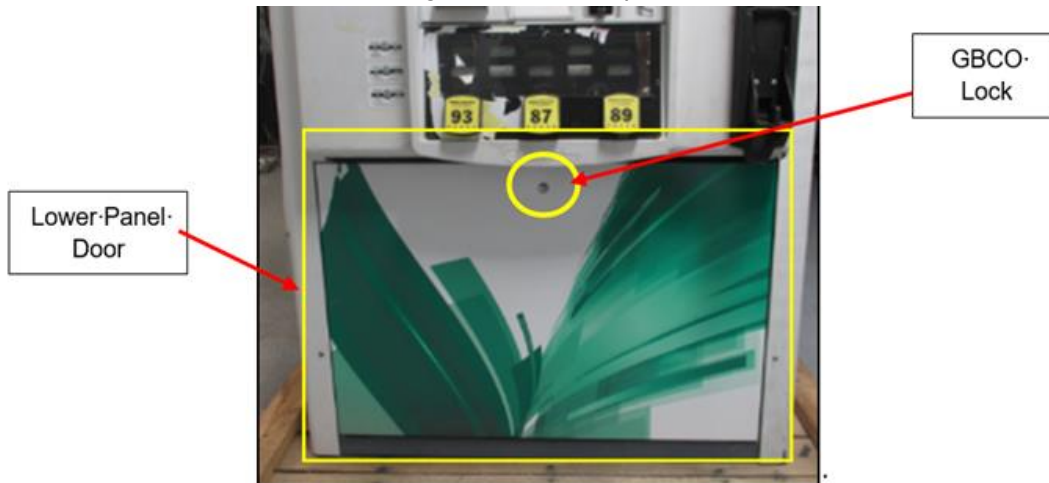
3. Open the door fully until it locks into place. Engage the prop rod if there is one.



4. Proceed to section 4.2: Removal of the existing G6 OPT.

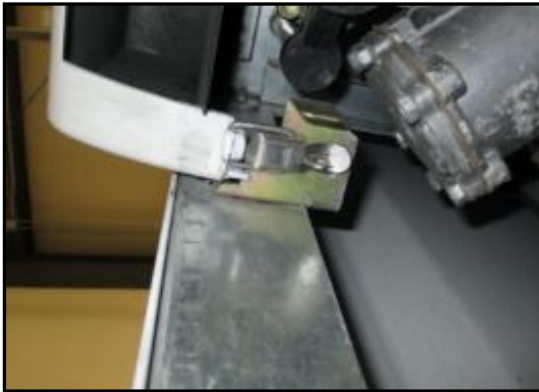
4.1.2 Opening the G6 GVR Encore 500S or 700S dispenser (ECIM)

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

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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.



5. Proceed to section 4.2: Removal of the existing G6 OPT

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4.1.3 Opening the G6 GVR Encore 300/500

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 the door access key to open the inner electronic door.



3. Disengage the side paddle inside the electronic cavity and open the main dispenser door.



4. Proceed to section 4.2: Removal of the existing G6 OPT.

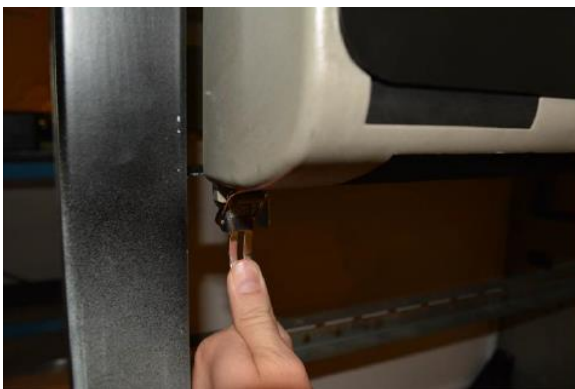
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4.1.4 Opening the G6 Encore 500S Non-ECIM dispenser

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.



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 G6 OPT

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4.1.5 Opening the G6 Gilbarco Advantage 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. Identify whether the pump is a “Wide Frame” or “Narrow Frame” version from the pictures below.



Wide Frame



Narrow Frame

3. Unlock and open the G6 OPT door(s).



Door Lock

4. Proceed to section 4.2: Removal of the existing G6 OPT.

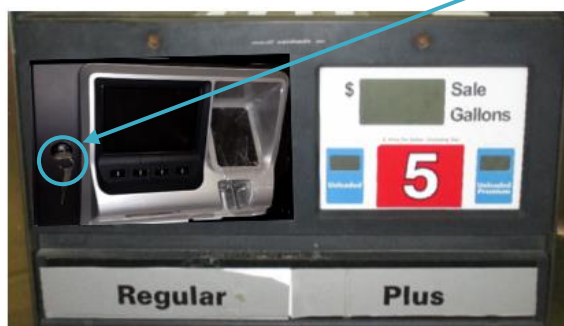
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4.1.6 Opening the G6 Wayne Vista V, 1V, 2V and 3V

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. Identify whether the pump is a “Wide Frame” or “Narrow Frame” version from the pictures below.



Wide Frame



Narrow Frame

3. Unlock and open the G6 RFK door using the door key..
4. Proceed to section 4.2: Removal of the existing G6 OPT.

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4.1.7 Opening the G6 Wayne Vista 3V with 4V door or Vista 4V

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. Open dispenser by unscrewing one screw.



3. Proceed to section 4.2: Removal of the existing G6 OPT.

Retrofit G6 to G6-300 OPT Upgrade (US & Canada) Installation Guide**4.1.8 Opening the G6 Tokheim Premier B 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 hatch key, unlock and open the G6 hatch door assembly.



Wide Frame



Narrow Frame

3. Proceed to section 4.2: Removal of the existing G6 OPT.

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4.1.9 Opening the G6 Tokheim Premier C 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 key provided with the G6 Retrofit Kit unlock and open the G6 OPT assembly door.



3. Proceed to section 4.2: Removal of the existing G6 OPT.

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4.2 Removal of the existing G6 OPT

4.2.1 Unplugging the G6 OPT Cables

1. Remove the screws on the cable-retention bracket on the G6 OPT (screws will be discarded along with the G6 OPT):

CAUTION: During steps 2 and 3 the cable-retention bracket is loose and may fall if care is not given when proceeding.



2. Unplug the Black low-voltage DC cable from the G6 OPT and pass it through the square hole in the cable retention bracket.



3. Label and set the cable aside for later reconnection.
4. Disconnect the Red and the Yellow cables from the sockets on the G6 OPT. Set aside the Yellow cable for later reconnection. The Red cable is no longer required for the G6-300 installation. Unplug the other end of the Red cable and discard along with the G6 OPT. Cut-off any cable ties around these cables, as required.

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5. Disconnect the Green/Yellow earth cable from the 1/4" tab on the G6 OPT printer paper-holder frame. Label and set the cable aside for later reconnection.



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4.2.2 Remove the gasket from the Hatch door

This section only applies to the following G6 OPT Kits that have been installed with a Hatch door:

UL Report Number	Kit Part Number	Retro-Fit Kit Description
MH61528	6001-0017-8801	G6, Wayne, Vista 3V with 4V door, Narrow, Black., (US)
MH61528	6001-0018-8801	G6, Wayne, Vista 3V with 4V door, Wide, Black, (US)
MH61528	6001-0015-8801	G6, Wayne, Vista 4V Single side install, Black, (US)
MH61528	6001-0005-8801	G6, Wayne, Ovation 1, Black, (US)
MH61528	6001-0004-8801	G6, Wayne, Encore 500S/700S ECIM, Black (US)
MH61882	6001-0011-8801	G6, Gilbarco, Encore 500S Non-ECIM, (US)
MH61882	6001-0012-8801	G6, Wayne, Ovation2, (US)

1. Unlock and open the Hatch door



2. Starting at the join 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.



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3. 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.

Note: Take care not to scratch the hatch sealing area as that can impact the weather seal.

4. Apply IPA cleaner solution to a new cleaning rag and thoroughly wipe down the area cleaned with the sticky residue cleaner.
5. Allow the plastic to dry completely.
6. Ensure to uncover the 10x screws which are located under the gasket.

4.2.3 Remove the gasket from the Vista V, 2V and 3V door

This section only applies to the following G6 OPT Kits that have been installed with a Vista V, 2V or 3V door:

UL Report Number	Kit Part Number	Retro-Fit Kit Description
MH61528	6001-0007-8801	G6, Wayne, Vista V, 1V, 2V, Black, (US)
MH61528	6001-0014-8801	G6, Wayne Vista 3V, Black, (US)

- 1) Starting at the join or a torn end, carefully remove the old gasket material (highlighted in green below).
 - a) Pull the gasket extremely slowly and at an approximate angle of 45 degrees. Ensure to uncover eight of the G6 OP mounting screws. Four of the screws encircled below are not covered by the gasket as it is inside the sealing area.
 - 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.



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- 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.

Note: Take care not to scratch the hatch sealing area as that can impact the weather seal.

- 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 before applying the replacement gasket (in section 4.4.3).

4.2.4 Remove the gasket from the Tokheim Premier B door

This section only applies to the following G6 OPT Kits that have been installed with a Tokheim Premier B door:

UL Report Number	Kit Part Number	Retro-Fit Kit Description
MH61882	6001-0008-8801	G6, Tokheim, Premier B (US)

- 1) Starting at the join or a torn end, carefully remove the old gasket material.
 - a) Pull the gasket **extremely slowly** and at an approximate **angle of 45 degrees**. ensure to uncover eight of the G6 OP mounting screws. Four of the screws encircled below are not covered by the gasket as it is inside the sealing area.
 - 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.



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- 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.

Note: Take care not to scratch the sealing area as that can impact the weather seal.

- 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 before applying the replacement gasket (in section 4.4.4).

4.2.5 Unscrew and remove the G6 OPT

1. Remove the G6 OPT from the dispenser by unscrewing all the 12pcs mounting screws using the M4 Hex screwdriver.

Note 1: These screws can be discarded along with the G6 OPT

Note 2: While doing this, hold the G6 OPT on the other side to prevent the unit from dropping that might cause injury.



Fig.10- Removal of the G6 OPT

Note: The removed G6 OPT unit must be returned to Invenco for safe and secure disposal.

2. The OPT removal process is complete. Check and follow the instructions in the below sections 4.3 and 4.4 for additional disassembly procedures relevant to the applicable dispensers. Upon completion of these, the dispenser will be ready for the installation procedure.

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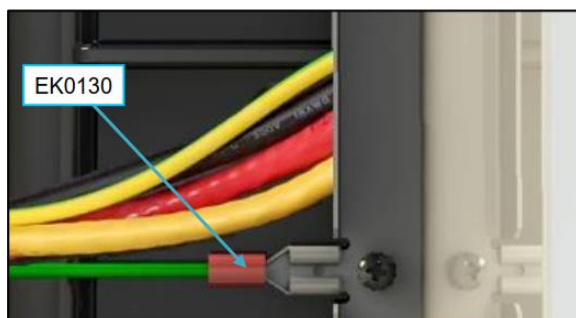
4.3 Replacing the cover shield behind the G6 OPT

This section only applies to the following G6 OPT Kits that have been installed with a cover shield:

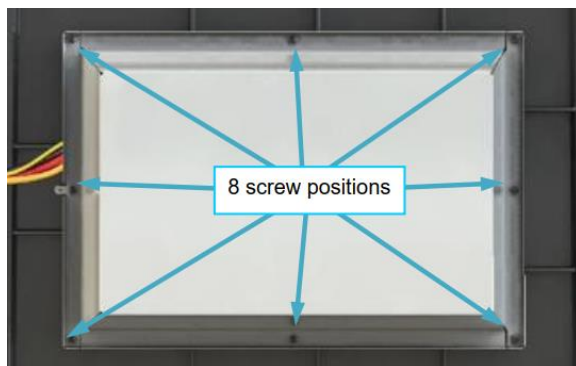
UL Report Number	Kit Part Number	Retro-Fit Kit Description
MH61528	6001-0005-8801	G6, Wayne, Ovation 1, Black, (US)
MH61528	6001-0004-8801	G6, Wayne, Encore 500S/700S ECIM, Black (US)
MH61882	6001-0011-8801	G6, Gilbarco, Encore 500S Non-ECIM, (US)
MH61882	6001-0012-8801	G6, Wayne, Ovation2, (US)

4.3.1 G6 Wayne Ovation 1, Ovation 2, Gilbarco Encore 500S/700S ECIM or Encore 500 S Non-ECIM

- Temporarily remove The EK0130 grounding cable from the tab on the left of the Isolating Cover Shield.



- Using a Phillips screwdriver, unscrew the 8 captive screws from the stand-offs on the RFK Hatch door.



Note: The screws on the Isolating Cover Shield are captive so they should be retained and should not fall off from the Isolating Cover Shield.

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3. Set the Isolating Cover Shield aside for re-installation.
4. Screw the MN0118, 25 mm stand-offs on top of the existing stand-offs that the Isolating Cover Shield was originally screwed on to.
5. Hold the Isolating Cover Shield back in position
Place the cover with the ground tab to the left over the G6 OPT, ensuring that no cables are snagged.
Screw the 8 captive screws back on.
6. Plug the EK0130 grounding cable back on to the tab on the left of the Isolating Cover Shield.
7. Use cable ties to tidy up the installation. Excessive lengths should be bundled and tied so they stay inside the pump cabinet frame.

4.4 Installation of G6-300 OPT

4.4.1 Mounting the G6-300 OPT

1. Place the G6-300 OPT (IP0139-XXX) in the same location that the existing G6 OPT was mounted in (refer to step 1 of 4.2.5).



2. Using the twelve new screws (MS0176) provided with this kit, screw on the G6-300 OPT using the M4 Hex driver.



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4.4.2 Insert the new replacement gasket in the Hatch door

This section only applies to the following G6 OPT Kits that have been installed with a Hatch door:

UL Report Number	Kit Part Number	Retro-Fit Kit Description
MH61528	6001-0017-8801	G6, Wayne, Vista 3V with 4V door, Narrow, Black., (US)
MH61528	6001-0018-8801	G6, Wayne, Vista 3V with 4V door, Wide, Black, (US)
MH61528	6001-0015-8801	G6, Wayne, Vista 4V Single side install, Black, (US)
MH61528	6001-0005-8801	G6, Wayne, Ovation 1, Black, (US)
MH61528	6001-0004-8801	G6, Wayne, Encore 500S/700S ECIM, Black (US)
MH61882	6001-0011-8801	G6, Gilbarco, Encore 500S Non-ECIM, (US)
MH61882	6001-0012-8801	G6, Wayne, Ovation2, (US)

1. Identify the new replacement hatch gasket.(MP1184) from the kit.



Side A: Reinforcing bar is visible on one side.

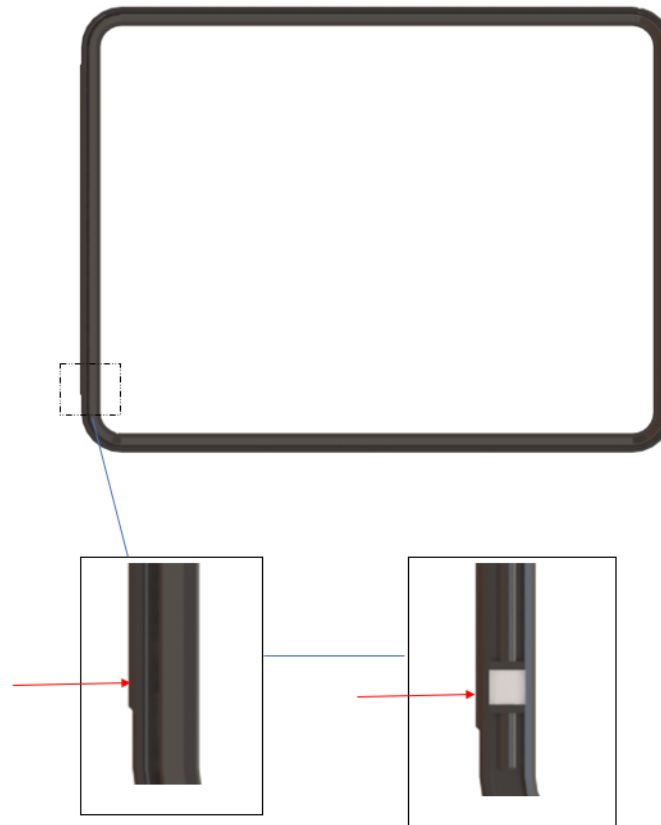
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Side B: Sealing surface between Hatch door and Pump door/Panel.

2. With Side B facing towards you, press in the seal along the side next to the Camlock, with the reinforcing bar on the opposite (left hand) side. Note the step feature in the gasket which prevents the gasket from being inserted the wrong way.



Step on this side with B facing towards you

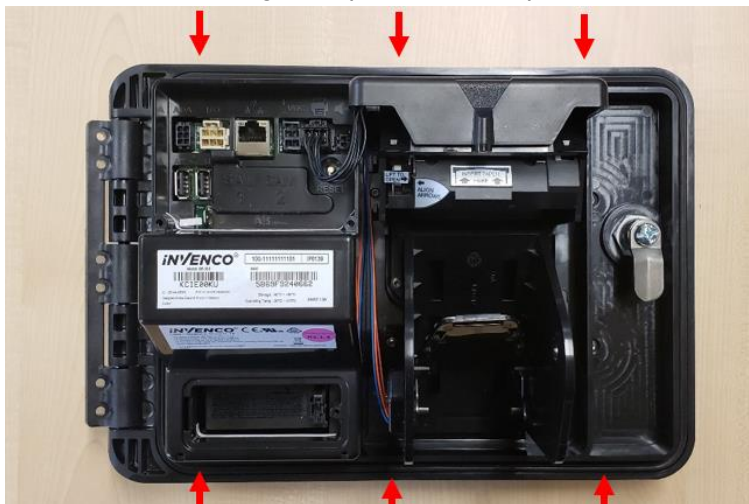
Retrofit G6 to G6-300 OPT Upgrade (US & Canada) Installation Guide

3. Press in the seal along the side next to the hinge bracket.



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4. Press in the seal along the top and bottom apertures.

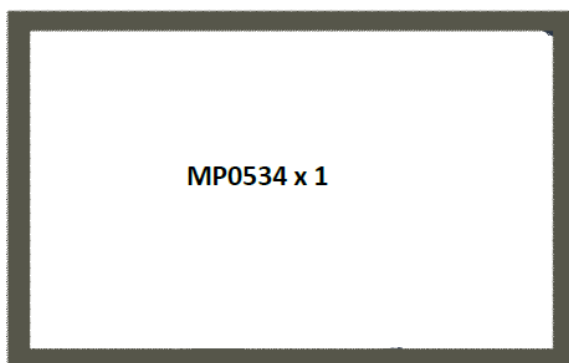


4.4.3 Insert the new replacement gasket in the Vista V, 2V or 3V door

This section only applies to the following G6 OPT Kits that have been installed with a Vista V, 2V or 3V door:

UL Report Number	Kit Part Number	Retro-Fit Kit Description
MH61528	6001-0007-8801	G6, Wayne, Vista V, 1V, 2V, Black, (US)
MH61528	6001-0014-8801	G6, Wayne Vista 3V, Black, (US)

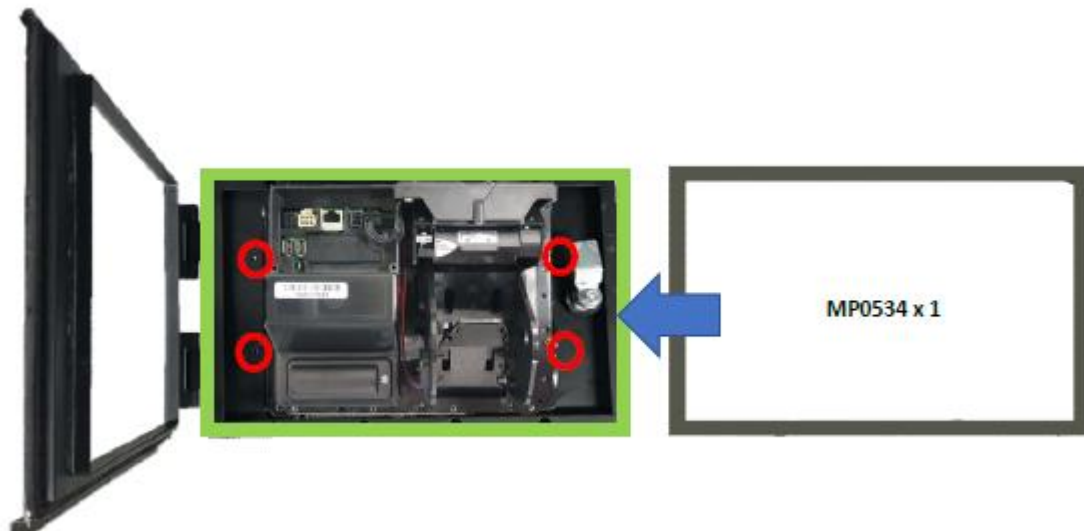
1. Identify the MP0534 Gasket from the kit.



2. Carefully peel the adhesive liner off the gasket and place the new replacement gasket (MP0534) on the door sealing area where the previous existing gasket was removed from section 4.2.3. Ensure to cover eight of the G6-300 mounting screws. Four of the screws encircled are not covered by the gasket as it is inside the sealing area.

Note: Ensure that the gasket is aligned correctly and centred when installing, to make sure that a proper weather seal is maintained.

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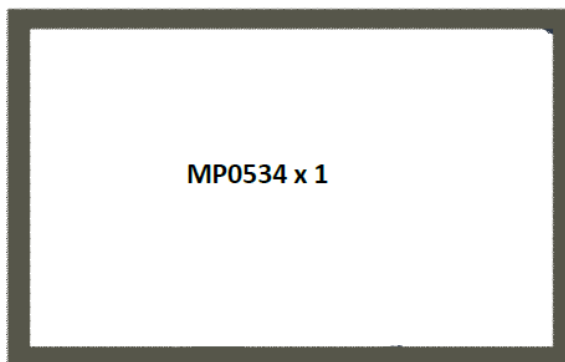


4.4.4 Insert the new replacement gasket in the Tokheim Premier B door

This section only applies to the following G6 OPT Kits that have been installed with a Tokheim Premier B door:

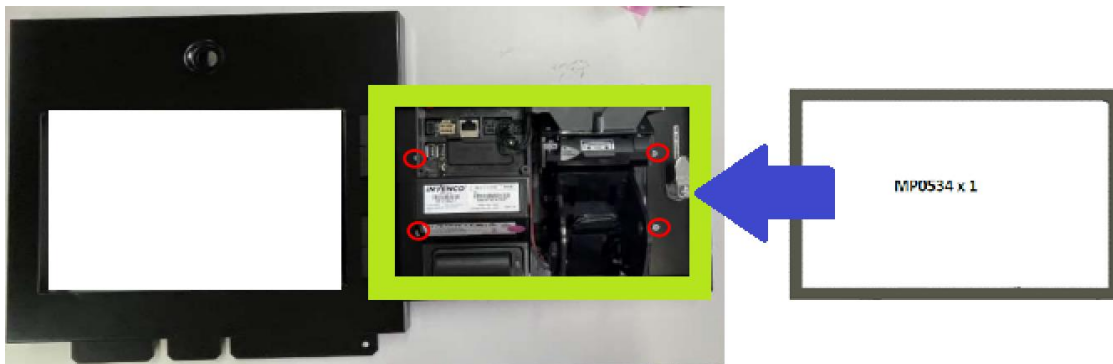
UL Report Number	Kit Part Number	Retro-Fit Kit Description
MH61882	6001-0008-8801	G6, Tokheim, Premier B (US)

1. Identify the MP0534 Gasket from the kit.



2. Carefully peel the adhesive liner off the gasket and place the new replacement gasket (MP0534) on the door sealing area where the previous existing gasket was removed from section 4.2.4. Ensure to cover eight of the G6-300 mounting screws. Four of the screws encircled are not covered by the gasket as it is inside the sealing area.

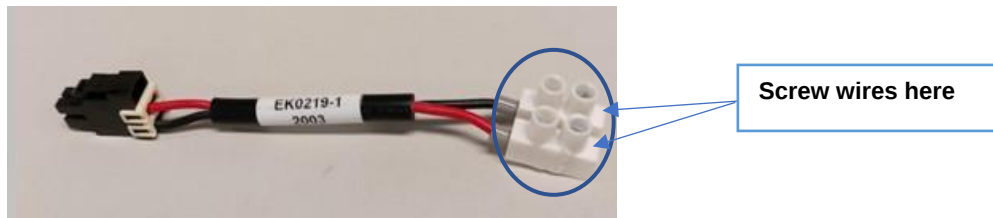
Note: Ensure that the gasket is aligned correctly and centred when installing, to make sure that a proper weather seal is maintained.

Retrofit G6 to G6-300 OPT Upgrade (US & Canada) Installation Guide**4.4.5 Cable connections**

1. Identify the previously unplugged G6 OPT DC power cable (Section 4.2.1 Step 2)
 - a. Unscrew the two wires from the end of the connector (this connector can be discarded).



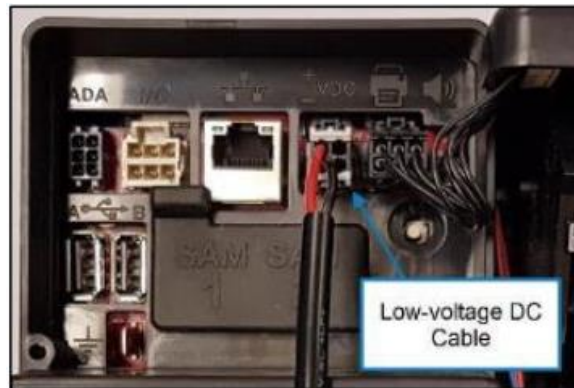
- b. Screw these two wires into the white terminal block of the new EK0219 adaptor, ensuring the red and the black wires are matched.



- c. Plug the black connector to the G6-300 OPT, in the VDC socket.



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2. Plug in the remaining cables that were unplugged in section 4.2.1 into the G6-300 OPT:
 - a. Connect the EK0131 Yellow patch cable into the correct sockets on the OPT. (The Red colored patch cable is not required and should have been discarded).

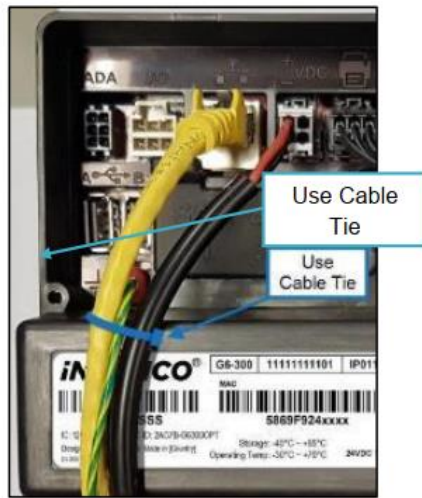


- b. Connect the Green/Yellow Earth cable to the tab on the G6-300 OPT.



3. Gather all the cables that are attached to the OPT unit, including the Green/Yellow Earth that was installed in Step 2.b and arrange them neatly with a cable-tie to the plastic loop on the OPT:

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4. Close and lock the Hatch door if it was opened for replacement of the gasket.
5. Ensure that all cables are tidy and cannot become snagged or pinched when the door of the cabinet is opened and closed.

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 1.1.1). Close the door fully.



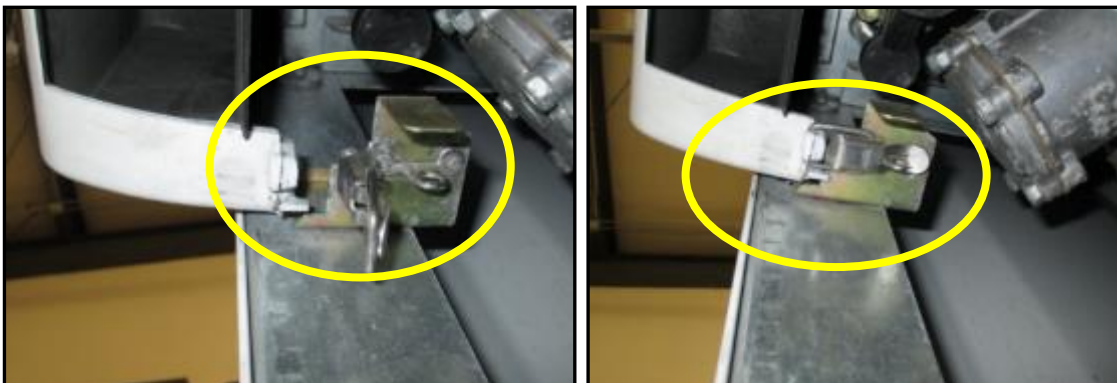
2. Use a Wayne Security Key to screw the two security bolts located on the left-hand side of the dispenser's door face.

Retrofit G6 to G6-300 OPT Upgrade (US & Canada) Installation Guide**4.5.2 Closing the GVR Encore 500S or 700S ECIM dispenser**

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.

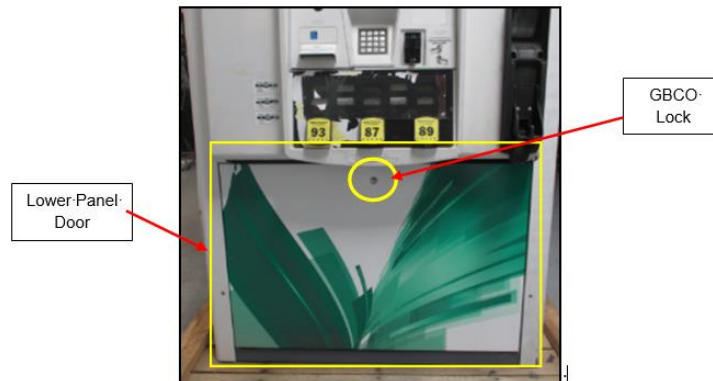


2. Do up the lower door latch located underneath the left-hand side of the Main Dispenser Door.



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3. Reinstall the lower panel door that was removed during the opening of the dispenser (section 1.1.2) and lock the lower panel door with the “GBCO” key.



4.5.3 Closing the GVR 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.



3. Reinstall the lower panel door that was removed during the opening of the dispenser (section 4.1). Lock the panel door with the “GBCO” key.

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4.5.4 Closing the GVR Encore 300/500 dispenser

1. Close the main dispenser door and engage the side paddle inside the electronic cavity.

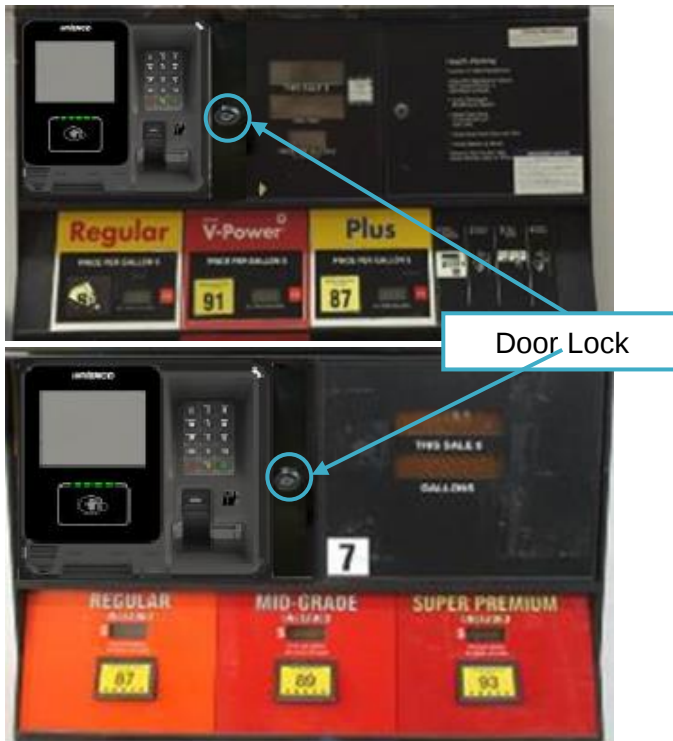


2. Close the inner electronic door until it locks into its closed position and lock the main door using the door access key.

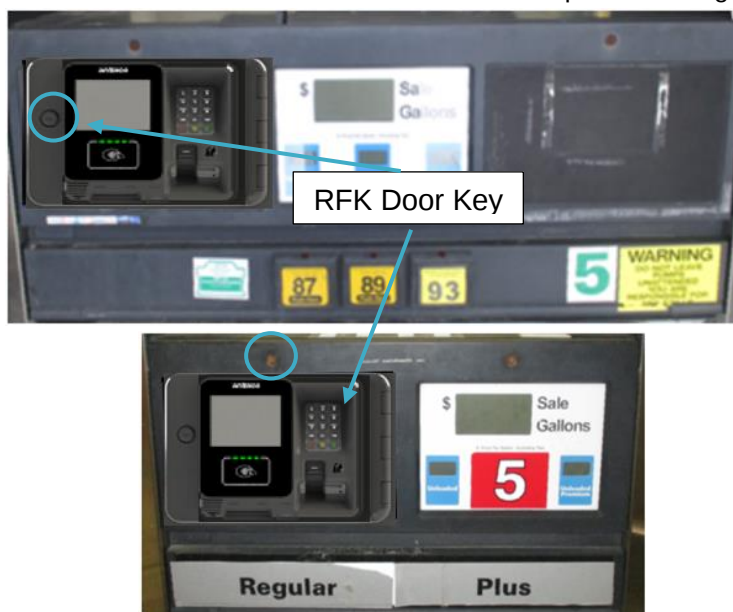


Retrofit G6 to G6-300 OPT Upgrade (US & Canada) Installation Guide**4.5.5 Closing the G6 Gilbarco Advantage dispenser**

1. Close the G6-300 OPT panel door and lock it

**4.5.6 Closing the G6 the Wayne Vista V, 1V, 2V and 3V dispensers**

1. Close the main door until it locks into its closed position using the door key..



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4.5.7 Closing the G6 Wayne Vista 3V with 4V door and Vista 4V

1. Close the dispenser by screwing back the screw using the Wayne or the T40 Security Torx Key



Using Wayne-Key

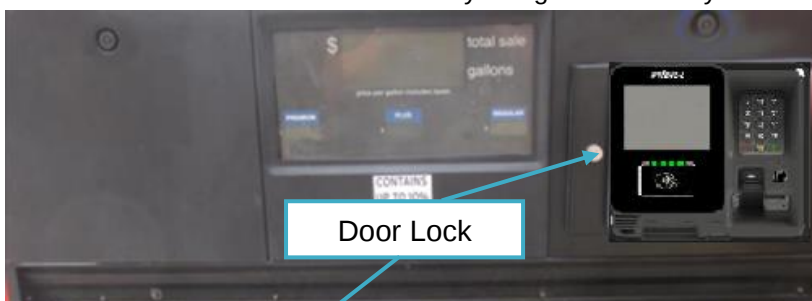


Alternative: Use T40 Security Torx-Key



4.5.8 Closing the G6 Tokheim Premier B dispenser

1. Close and lock the hatch door assembly using the hatch-key



Door Lock



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4.5.9 Closing the G6 Tokheim Premier C dispenser

1. Close the G6-300 OPT assembly door and lock it using a key



4.6 Wiring Completion

Ensure that all cables are tidy and cannot become snagged or pinched when the door of the cabinet is opened and closed.



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

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	Revision Number/Security level	R02 S2
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5 First Power-Up

Once the installation is complete and the wiring is certified (if necessary), power may be applied. The G7 OPT takes a couple of minutes to complete its start-up phase, during which several information screens will be presented.

The terminal will display the following screen whilst attempting to connect to the LAN. This screen will persist until a connection can be made:



If the terminal is successful in connecting to the LAN it will display the following screen and the rest of the start-up sequence will continue:

