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Retrofit Heater Cover Wayne Vista 4 (US) Installation Guide

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Kit Part Numbers	Brief Description
RF00069-XX	Heater Cover Wayne Vista 4



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Release History

Version	Prepared by	Date	Change description
0	Shaun Craill	10-Jul-2020	Initial draft
1	Michael Doh	12-Jul-2020	Reviewed and updates, for UL submission
2	Michael Doh	03-Aug-2020	Correction to header
3	Michael Doh	15-Dec-2020	Added new kit reference
4			

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1 Introduction

The documentation provides some basic guidelines for installing the **Heater Cover** as part of an Outdoor Payment Terminal (OPT) system Retro Fit Kit installation in the Wayne Vista 4V dispenser.

Note: One of the following specific “UL Listed by Report Retrofit Kits” must be installed at the same time as this kit:

UL Report Number	Kit Part Number	Retro-Fit Kit Description
MH61528	RF00001-XX	Retrofit G6-300 + InvencoLink Wayne Vista 4V (US), Black
MH61528	RF00056-XX	Retrofit G6-300 + InvencoLink Wayne Vista 4V (US), Color

1.1 Tools Required

The following tools are required to mount the **Heater Cover**:


- Philips #2 screwdriver with >5" shaft
- ¼" Socket or Ring Spanner



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

Retrofit Heater Cover Wayne Vista 4 (RF00069-XX):

Unpack the Heater Cover Retro-Fit Kit (RF00069-XX) and check that all of the parts listed below are present.

Retrofit Kit Contents		
Part Number	Description	Illustration
MZ0256	ASSY, SHIELD & COVER, HEATER, VISTA 4V RFK	

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2 Safety & Compliance Information

This section introduces the hazards and safety precautions associated with installing, inspecting, maintaining or servicing the Heater Cover. 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 fueling 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 Invenco OPT


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 vapor. 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.

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


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.

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.)

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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 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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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

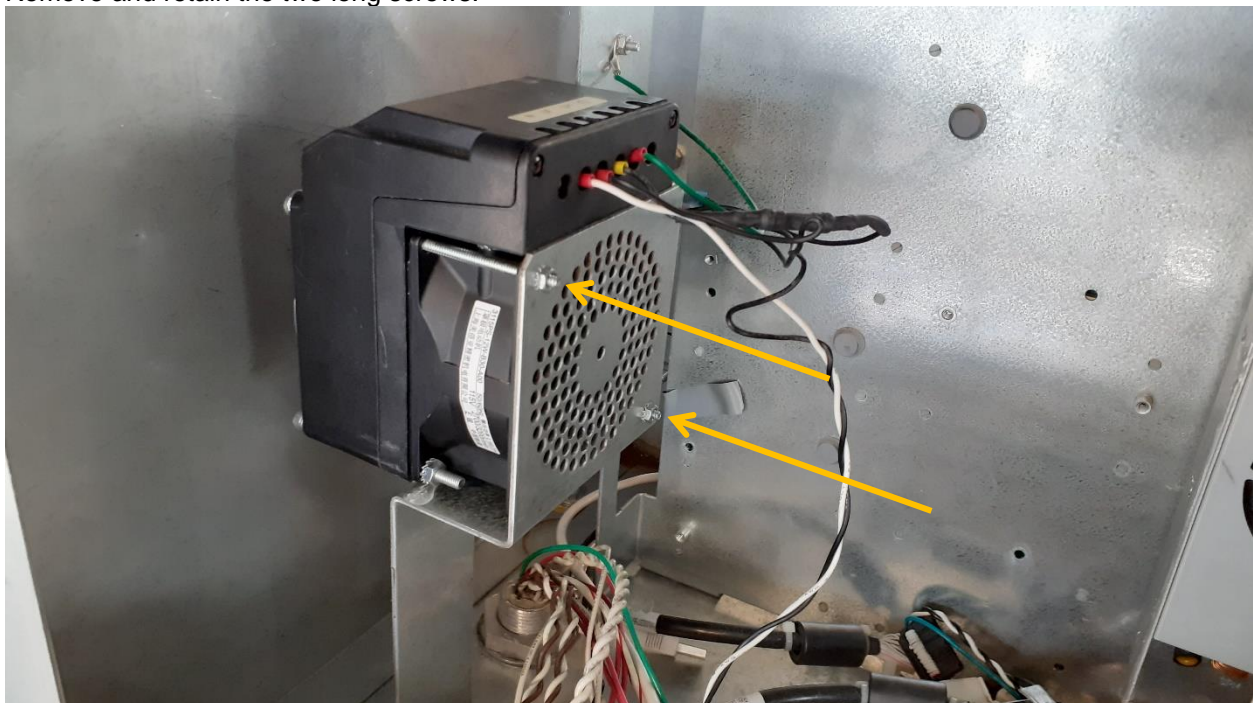
Failure to turn off the unit during installation of the kit may cause injury or bodily harm from electrical shock. Ensure that all power to the unit is switched off before opening the door of the unit and during kit installation.

4.1 Installation Procedure

This section follows from the Installation procedure of the Retrofit RF00001-XX (G6-300 + InvencoLink Wayne Vista 4V (US), Black) or RF00056-XX (G6-300 + InvencoLink Wayne Vista 4V (US), Color), and assumes the pump is still open and at the specified stage of the installation procedure where the heater cover is to be installed. References to “left-hand” and “right-hand” are as viewed into the pump on the Side you are working on.

4.1.1 Dismantling and removing the Heater

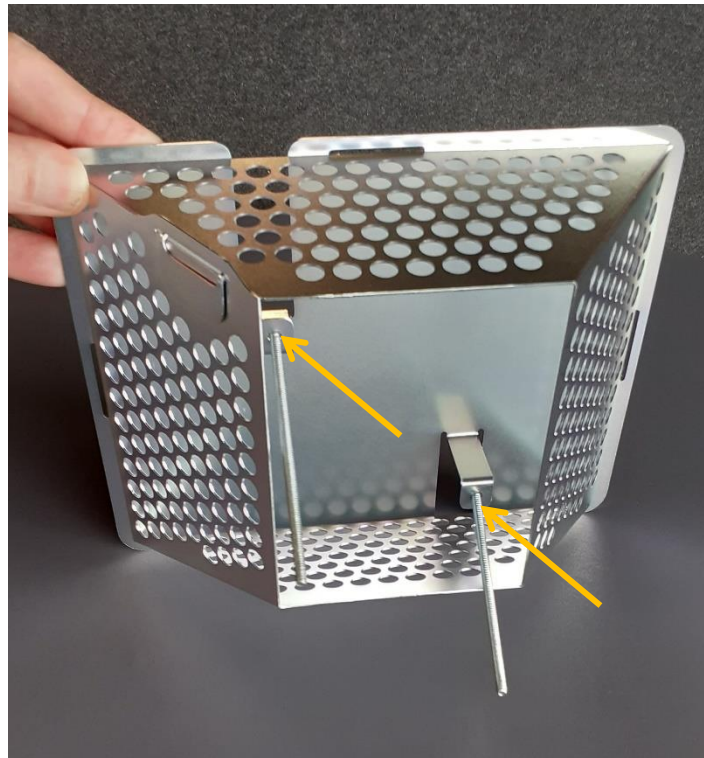
Undo the two nuts holding on the heater using the 1/4" Socket. Retain the nuts. Remove the heater off the bracket and temporarily place in the bottom of the cabinet taking care not to strain the attached cables. Remove and retain the two long screws.



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4.1.2 Fitting Screws

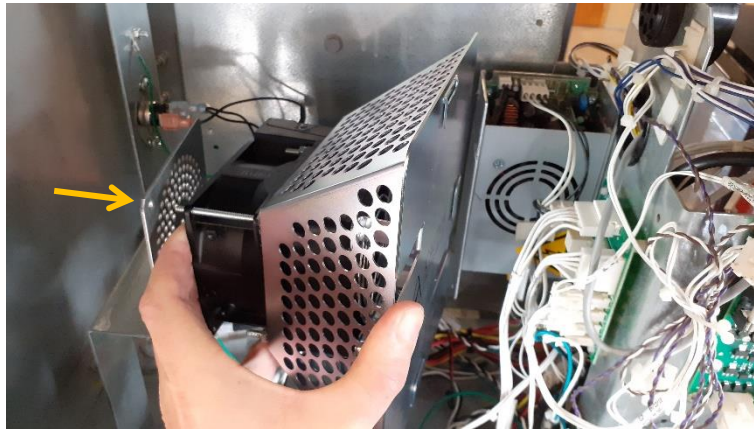
Insert the two retained long screws through the tabs on the Heater Cover MZ0256.



4.1.3 Align onto Heater & Bracket.

Align the cover and screws onto the Heater body. Flip the Heater so it is aimed towards the inside of the cabinet and rotate the Heater 90 degrees such that cable connections are now closest to the center of the cabinet. Align the screws back onto the two screw holes on the Bracket.

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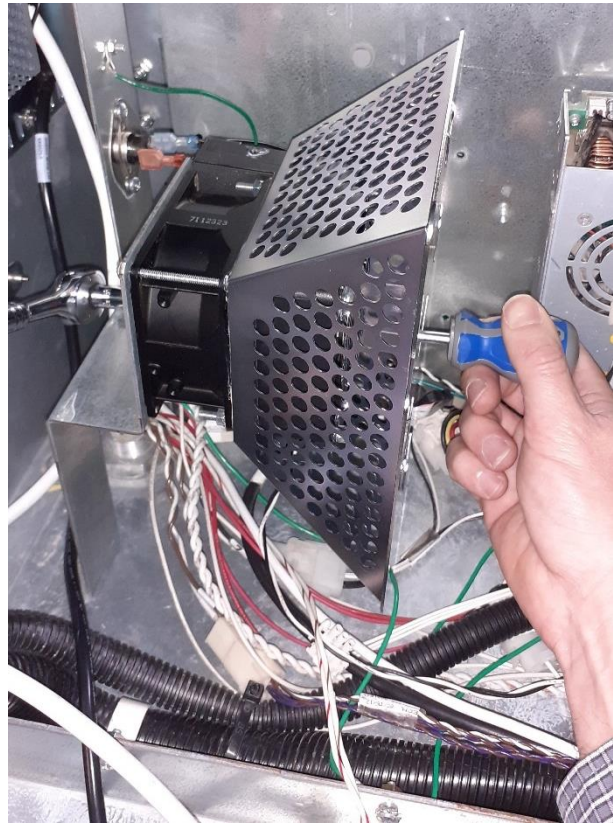
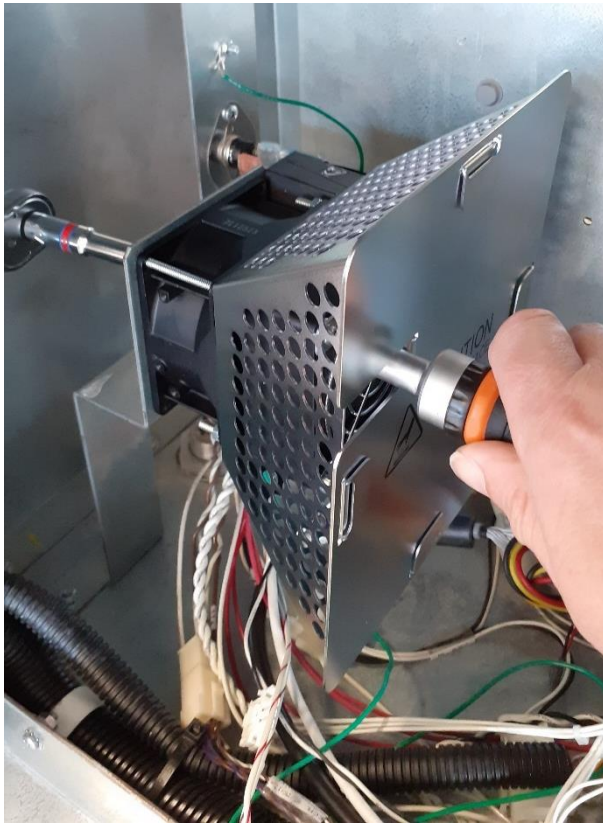
NOTE: Take care not to pinch any wires.

If orientated correctly, the 'Caution' text on the cover will be up the right way.

4.1.4 Fasten onto Bracket

Using the short-handled Screwdriver and the ¼" Socket (or ¼" Spanner), tighten the screws onto the nuts saved previously. A short screw driver is needed in particular to fit the furthestmost screw as access is more restricted.

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4.1.5 As Installed



4.1.6 The installation of the Retrofit Heater Cover Wayne Vista 4 is now complete.

Discard the packaging for the Retrofit Heater Cover Wayne Vista 4, and refer back to the installation instructions for the G6-300 Wayne Vista 4V Retro-Fit Kit (DCV-00448) with which you were working.

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4.2 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 is electrically tested and certified BEFORE switch-on.**