

Installation Instructions

NCR OPTIC Ovation 2 Printer Reuse Kit

Kit Number: 6002-K007-V001 (497-0515156)

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Preface

Audience

This book is written for end users (System Administrator and Maintenance Technician), NCR Field Engineering, and VAR/OEM Hardware and System Integrators

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Safety and Compliance Information

This section introduces the hazards and safety precautions associated with installing, inspecting, maintaining or servicing the Printer Reuse 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.

All work must be carried out in accordance with NFPA (National Fire Protection Association) 30, 30A, and 70, and any local authority.

Preliminary Precautions

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

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.

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 Printer Reuse Kit.

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)

Safety Equipment

Throughout the Disassembly and Installation procedures of the OPT Retrofit Kit involves working with and around hazardous materials and apparatuses. Use of proper safety equipment such as ANSI (American National Safety Institute) Personal Protective Equipment such as safety glasses, insulated gloves, and protective footwear.

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 NCR. It is imperative to your safety and the safety of others to understand the procedures before beginning work.

Follow the Regulations

Regulations in OSHA (Occupational Safety and Health Administration), 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.

Safety Symbols and Terminology



Caution: 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



Warning: 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.



Note: To emphasize points or remind installer of something, or to indicate the possibility of minor problems in the outcome of what installer is doing.

Out of Box Failure (OBF)

If you experience an out of box failure (OBF) during installation or staging related to a missing, wrong or defective unit or item, simply provide NCR with a detailed description of the issue and the item will be replaced free of charge. For assistance with this process send an email to CustomerSat.Retail@ncr.com with the following details:

- NCR Sales Order # (Sales Order # are located on the box)
- Date of Product Installation
- Product Model #
- Unit Serial #
- NCR part # of defective/missing/wrong component
- Description of Failure (please be specific. For example: “display will not power on”)
- Customer/Requestor’s contact name, phone number and/or e-mail address
- Address to ship replacement part(s)

Transport the product in its original packaging to prevent impact damages.

If you do not have access to a computer, you may leave a voice message at: 1-800-528-8658 (USA), or (International) +1-770-623-7400. When leaving a message, please provide a phone number and/or an email address so NCR can contact you if additional details are needed.



Note: Used equipment that experiences a failure does not qualify as an OBF and should go through the NCR warranty process.

Warranty

Warranty terms vary by region and country.

All parts of this product that are subject to normal wear and tear are not included in the warranty. In general, damages due to the following are not covered by the warranty.

- Improper or insufficient maintenance
- Improper use or unauthorized modifications of the product.
- Inadequate location or surroundings.

For detailed warranty arrangements please consult your contract documents.

Returning Defective Hardware for Service

Use the following procedure to report/return defective hardware.

Call the *NCR Customer Care Center* at 1-800-262-7782 and have the following information available when you place the call.

- Class/Model number of the defective equipment
- Serial Number of the defective equipment
- Equipment location in the store
- Description of the problem, including any system error codes, error condition, or guidance to the area of failure.

The NCR Agent will provide you with a work order number, which serves as your Return Material Authorization (RMA). Please provide the RMA on the outside of the shipping box.



Note: A work order must be opened for each device that is shipped for repair.

Revision Record

Issue	Date	Remarks
A	March 2017	First Issue

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Ovation Printer Reuse Kit Contents



Note: 2 kits are needed per 2 sided dispenser.



Caution: This Printer Reuse Kit must be installed in combination with the Ovation OPTIC 12 Retrofit Kit, Listed by Report Retrofit Kit Part Number 6002-0006-8801.

Kit Contents

Part Number	QTY	Description
497-0515157	1	Reuse Printer Door
006-8611952	4	Printer Door Attachment Nuts
497-0514265	1	Printer Door Gasket
497-0515042	1	Reuse Printer Chassis
006-8611858	1	Support Rod Nut
006-8625421	1	Support Rod
006-0654018	4	Printer Chassis Support Screws
497-0513687	1	Grounding Cable

Printer Deinstallation

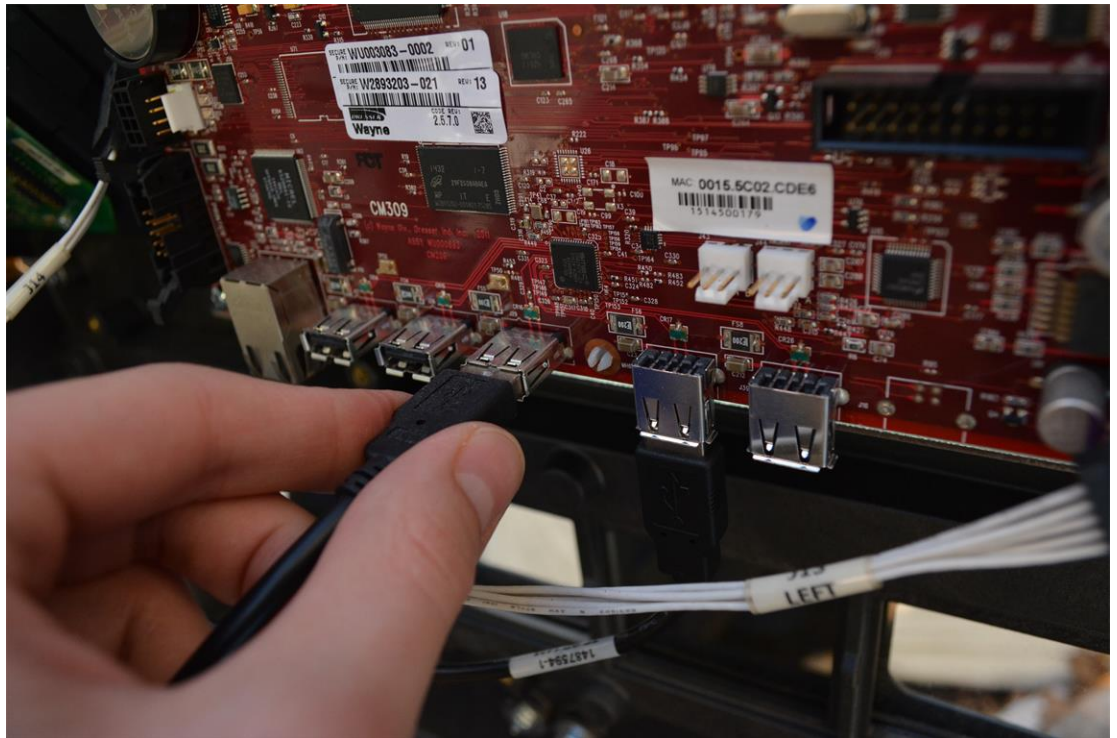
1. Unlock the Printer door with the Ovation Printer Key and pull out the printer.



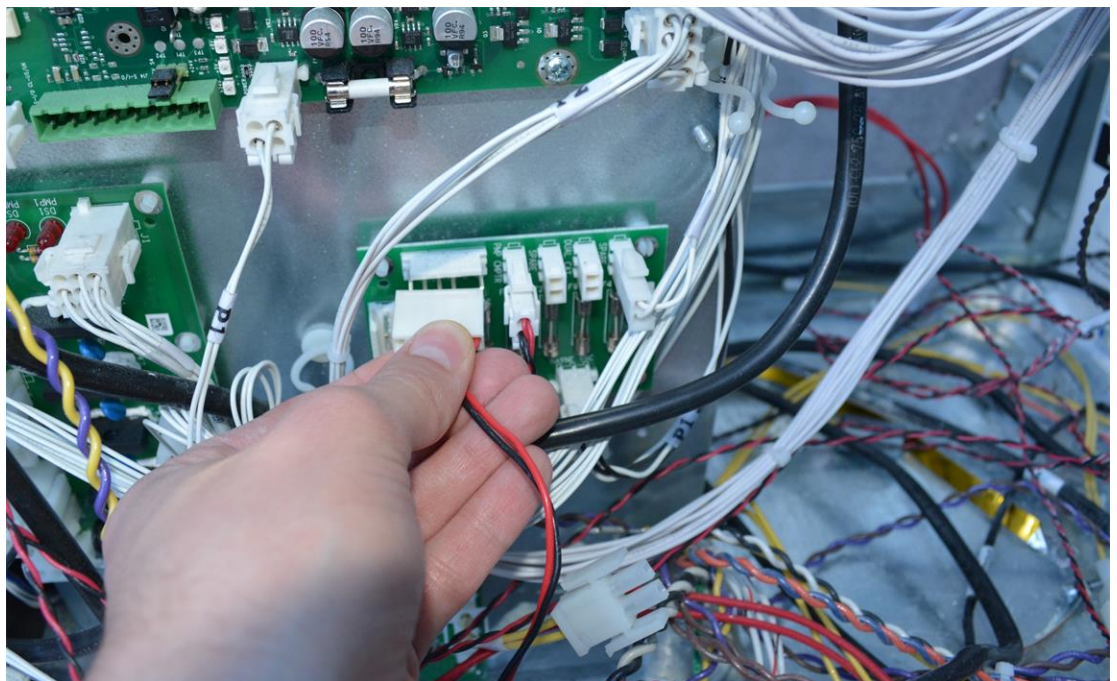
2. Unplug the printer from the interior components and DC power board.



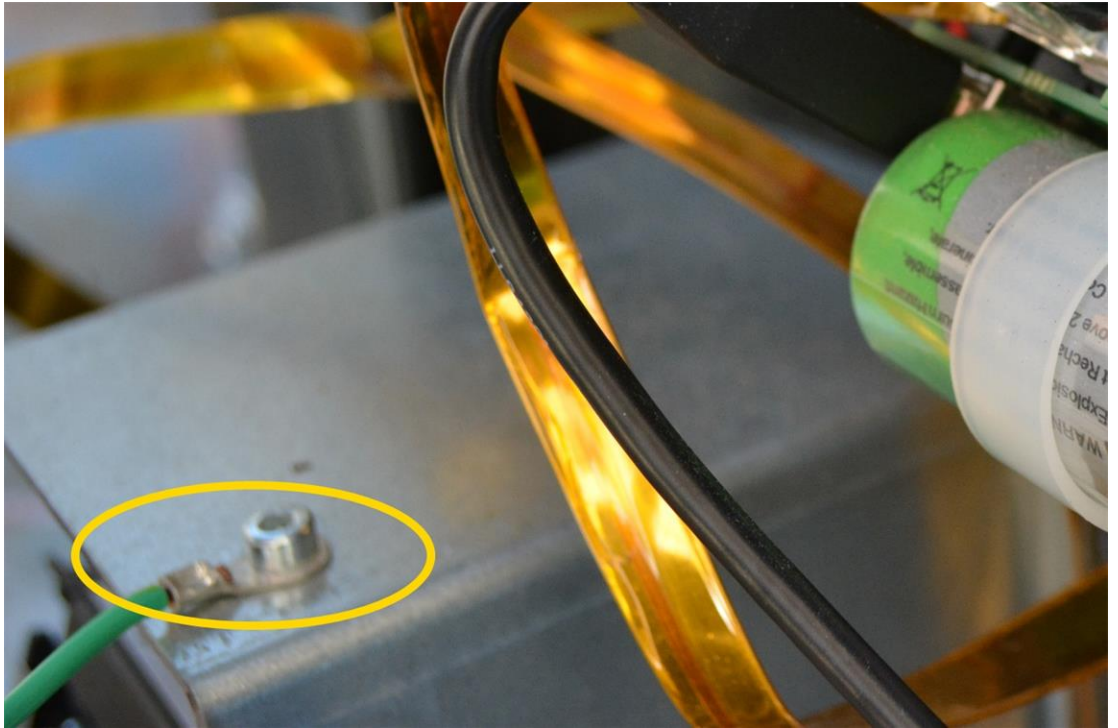
Note: Disconnecting of the USB/Comm cable should have been done during the deinstallation section of the Retrofit Kit Instructions.



Note: The DC power board is located on Side A of the dispenser.



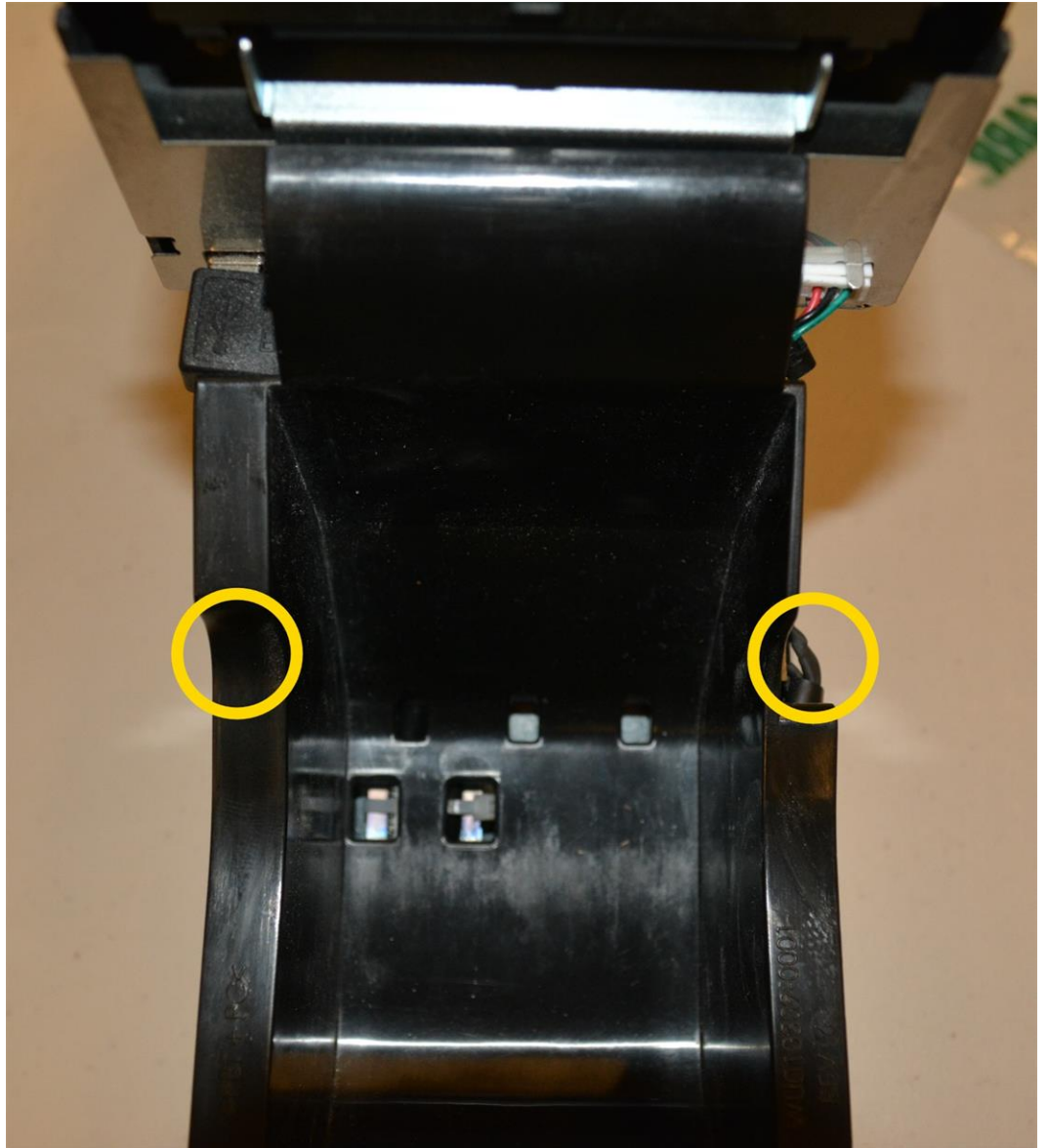
3. Unscrew the Ground Wire from the slide cover.

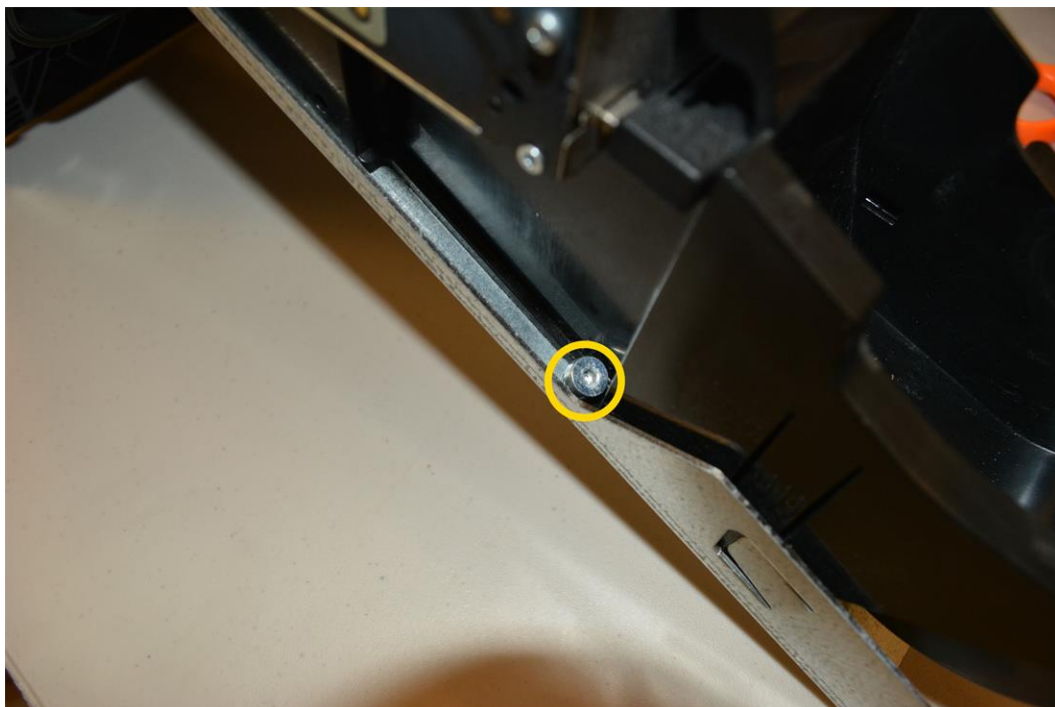


4. Pull out the Printer Door by disengaging the slide latch on the bottom of the printer.

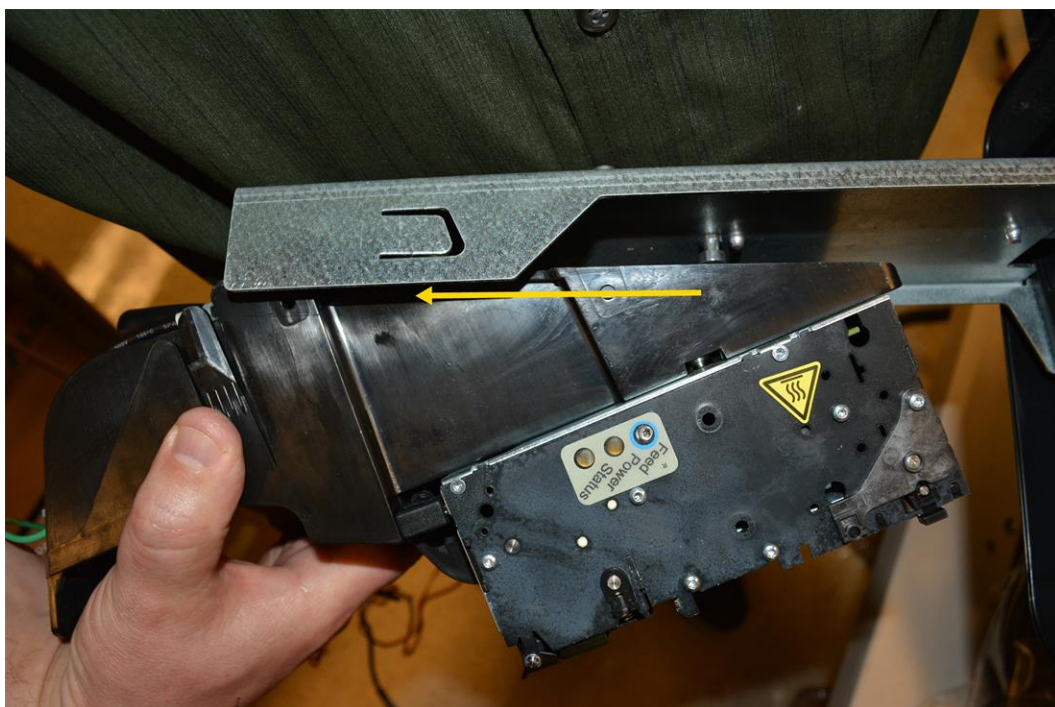


5. Remove the printer from the Slide.
 - a. Unscrew the two side screws using a 3mm Hex Key and retain.





- b. Slide the printer back and up off the securing bottom stud and retain. Remove and retain the bottom stud.



Continue the Dispenser Retrofit Deinstallation Process. Follow the OPTIC 12 Ovation 2 Retrofit Kit installation instructions (497-0517176), UL Listed by Report Retrofit kit part number 6002-0006-8801.

Printer Installation

Install the Printer Door (497-0515157)

1. Remove the adhesive cover from the door hinge as shown.



2. Attach the hinge to the right side of the door and secure with the 4 provided nuts (006-8611952) on the back side of the dispenser door.



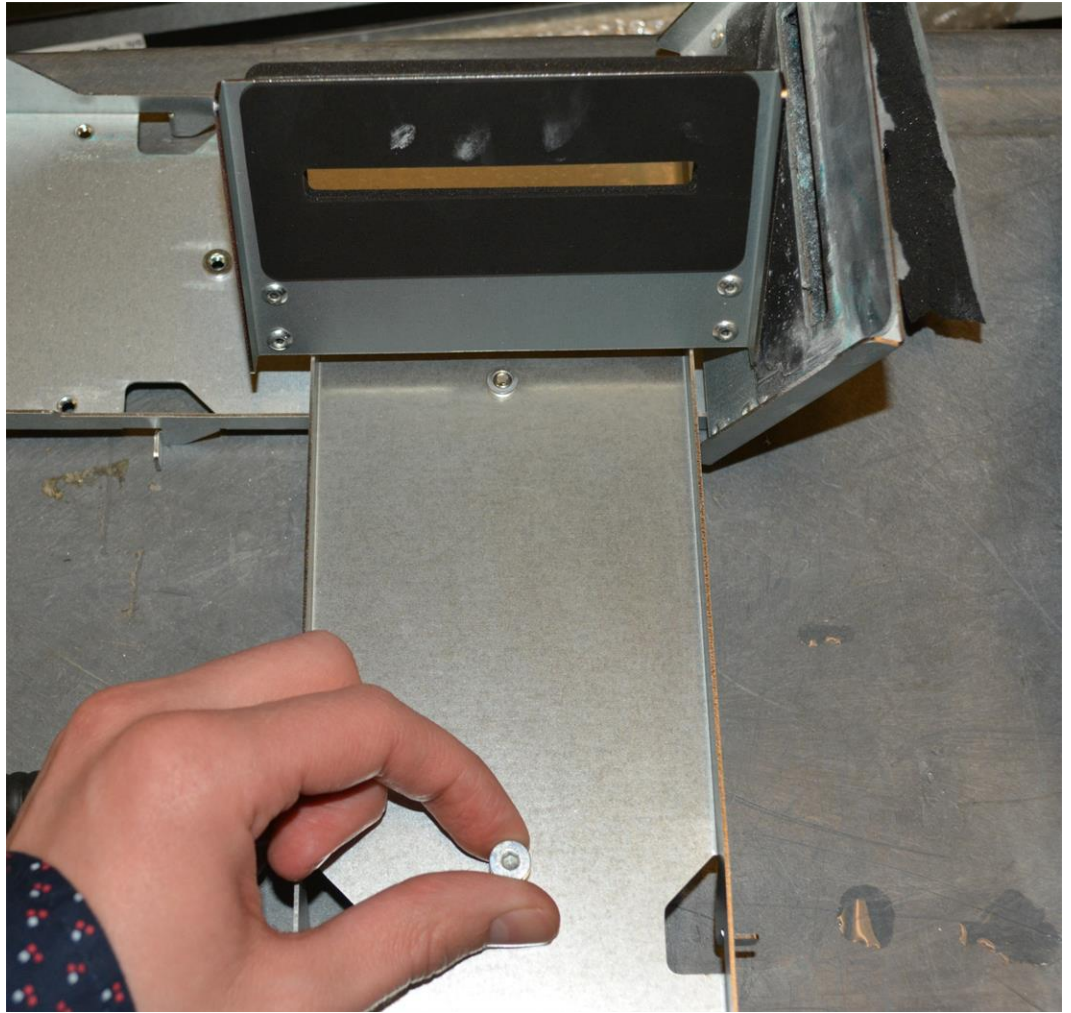
3. Install the gasket (497-0514265) over the side of the hinge making sure the gasket stays within the channel in the dispenser door. Orient the gasket so the thick side of the gasket covers the hinge.



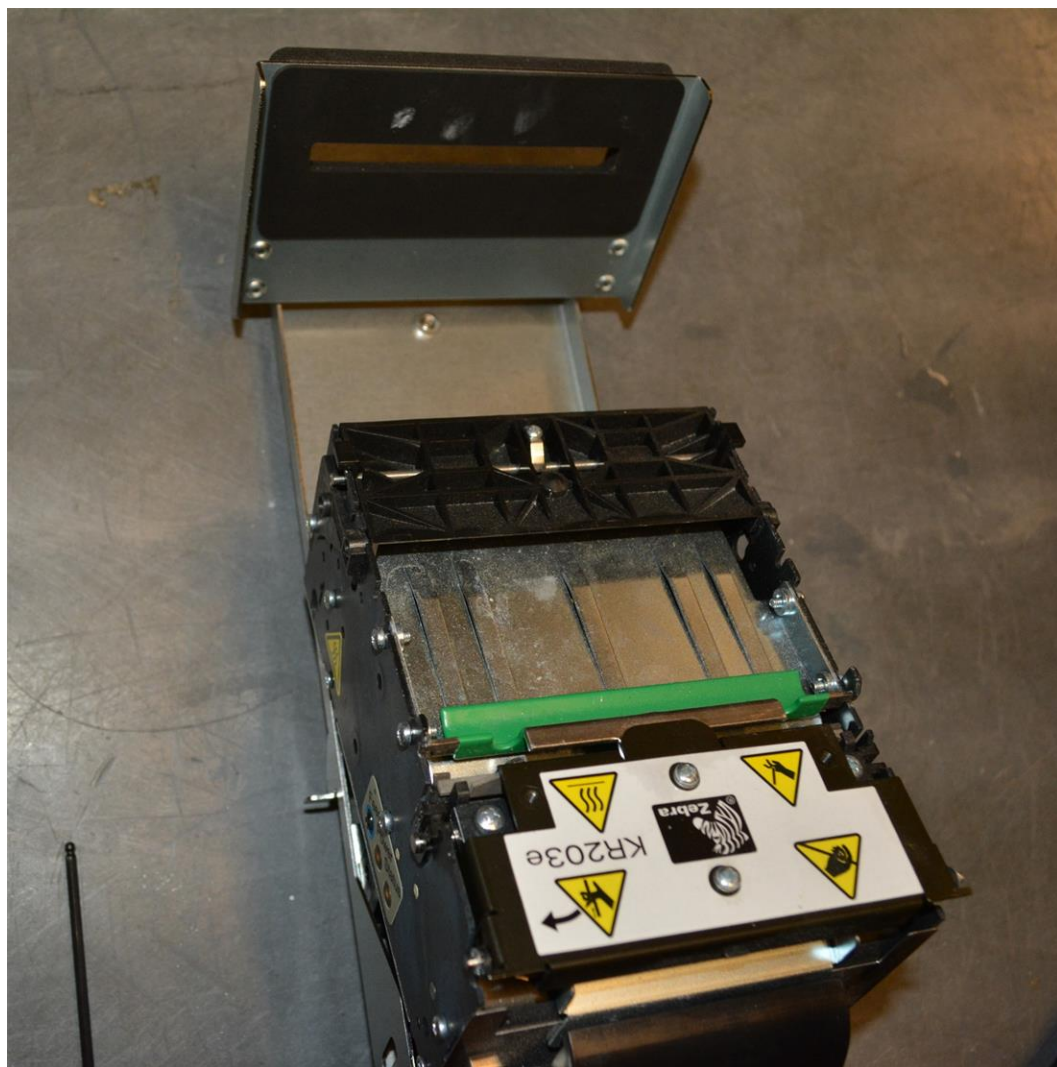
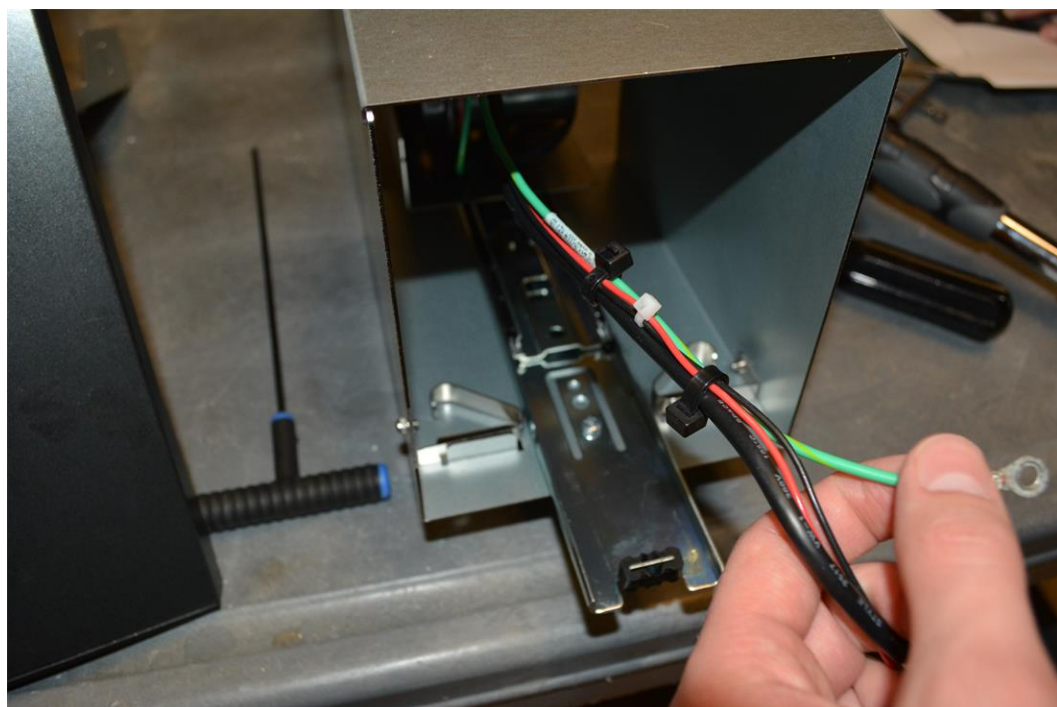
Continue the Dispenser Retrofit Installation. Follow the OPTIC 12 Ovation 2 Retrofit Kit installation instructions (497-0517176), UL Listed by Report Retrofit kit part number 6002-0006-8801.

Install the Printer to the Dispenser Door

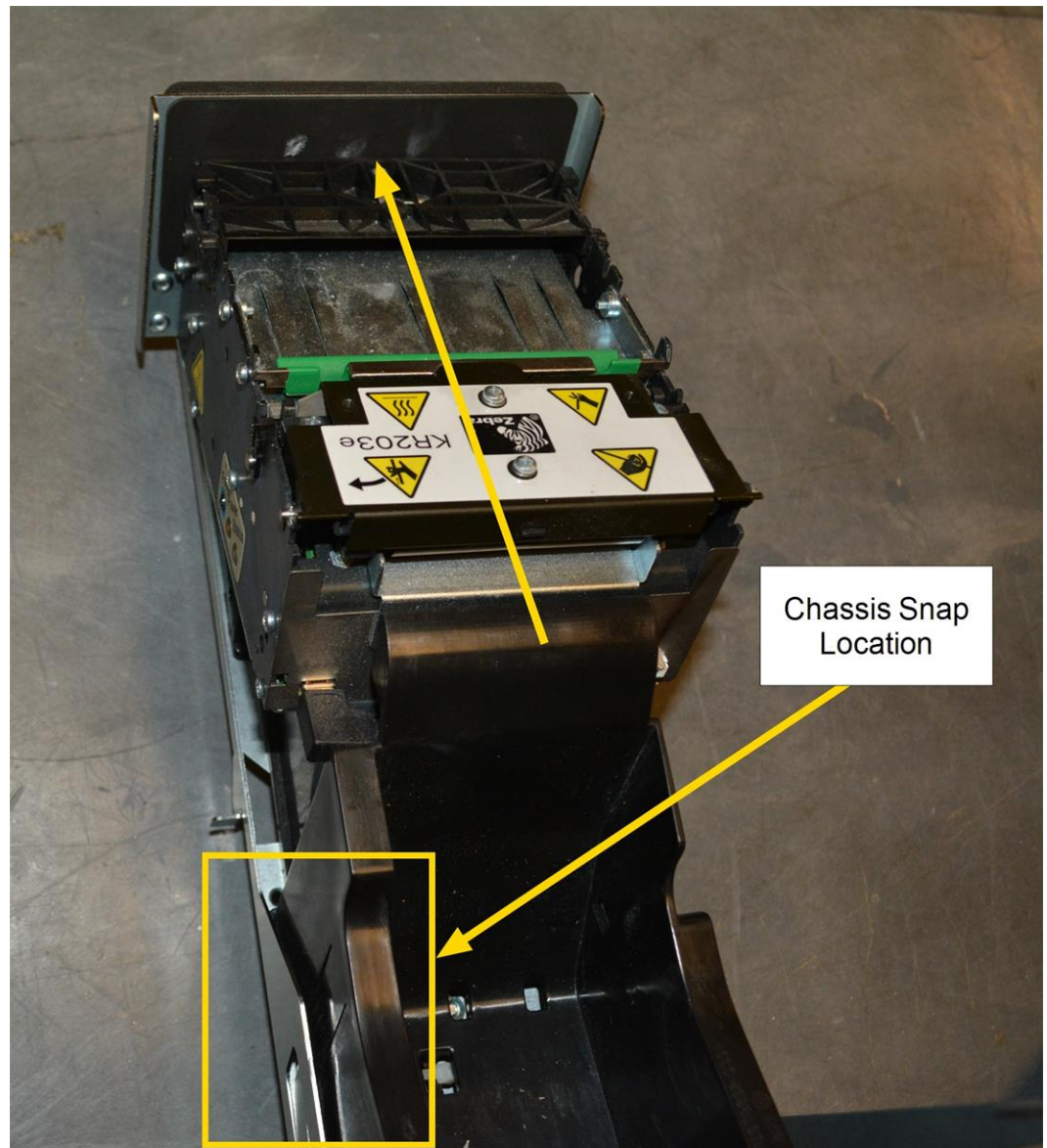
1. Install the Printer to the Reuse Kit Chassis.
 - a. Obtain the Reuse Kit Chassis (497-0515042). Extend the slide to gain better access to the Printer mounting location. Install the previously retained bottom stud screw to the Reuse Chassis using a 3mm Hex Key.



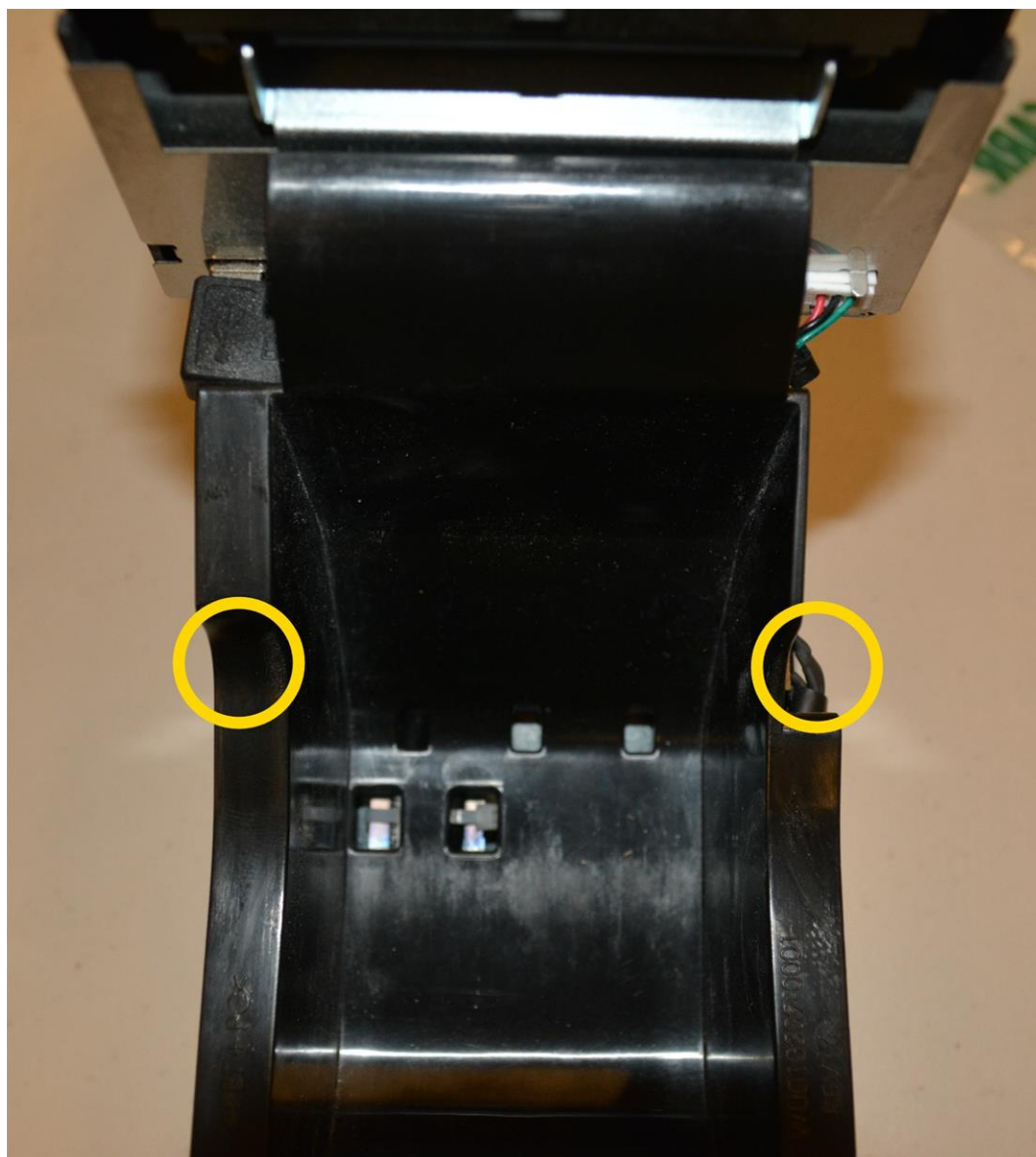
- b. Place the retained printer onto the Reuse Chassis. Route the cables through the mailbox towards the back of the chassis. Fit onto the bottom stud.



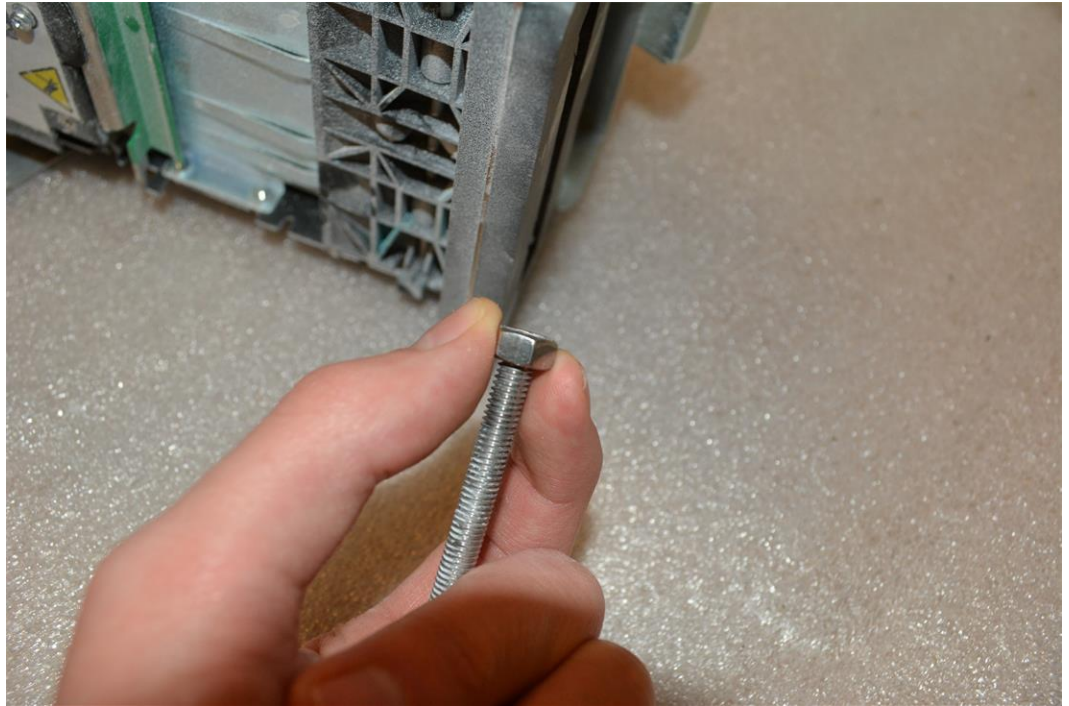
- c. Slide the printer forward on the Reuse Chassis until the front of the printer mates up to the gasket shown and engages the Chassis snap.



- d. Install the 2 retained screws to the Reuse Chassis to secure the printer.



2. Adjust the bottom printer support rod to the correct height with a 10mm wrench or monkey wrench.
 - a. Place the Nut (006-8611858) onto the Support Rod (006-8625421).




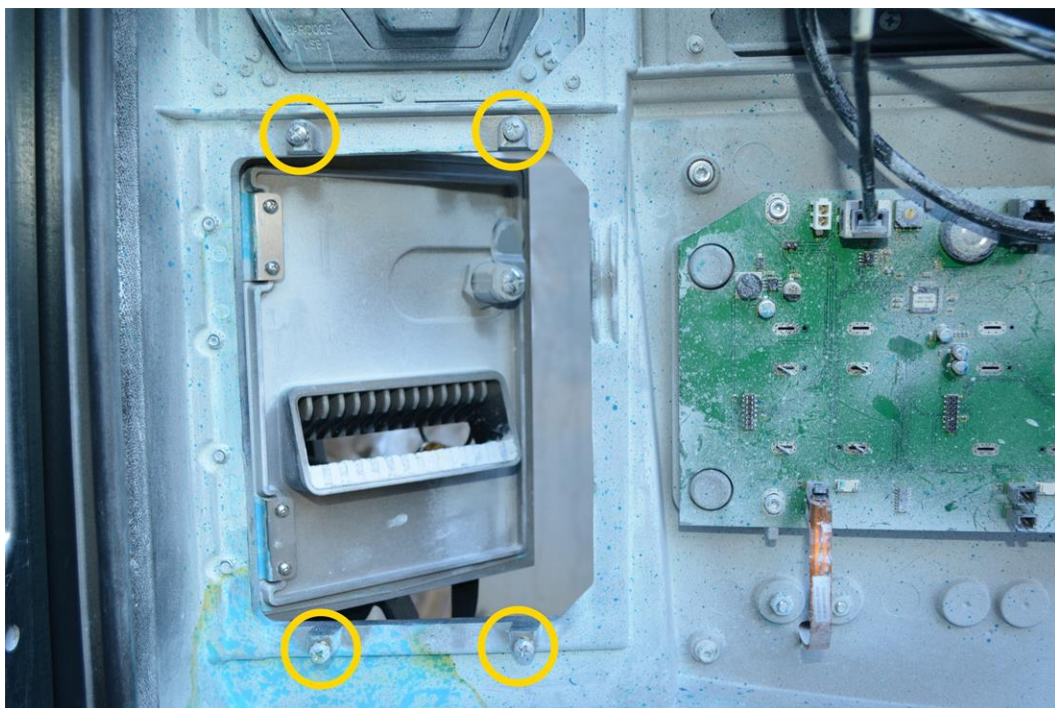
- b. Install the support rod to the bottom of the printer chassis.



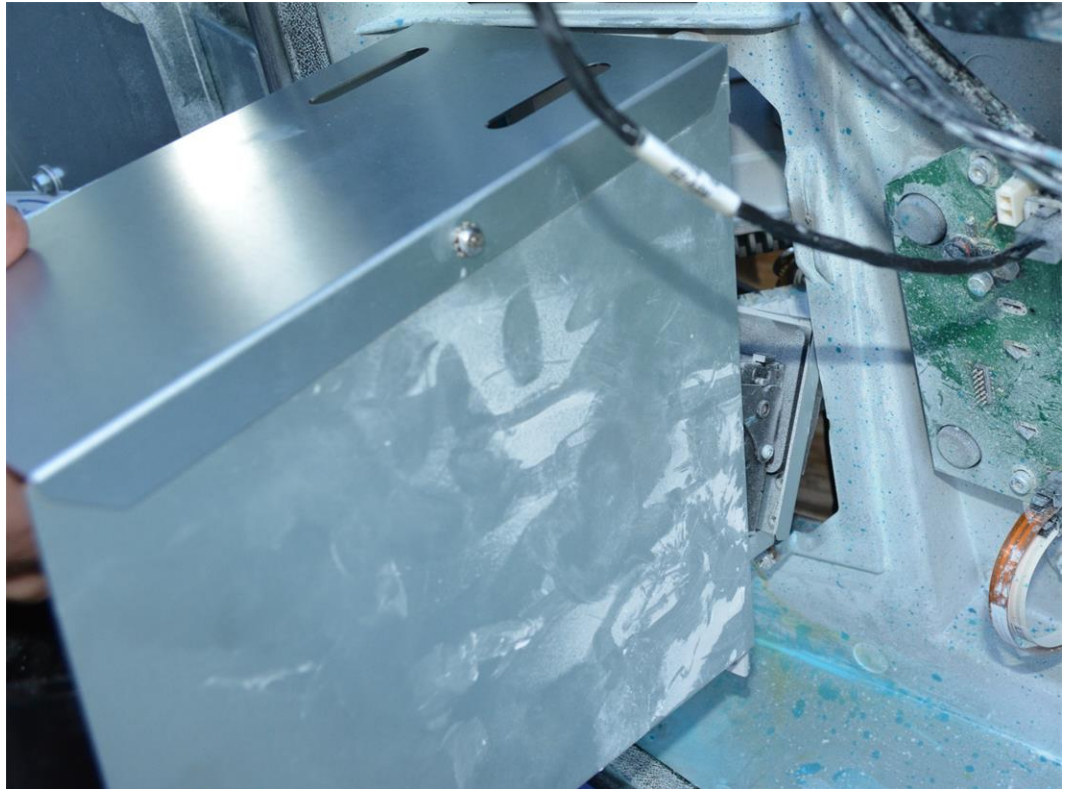
- c. Adjust the support rod so the Reuse Printer Assembly can be installed. The support rod should be able to just clear the bottom edge of the dispenser door. Adjust the rod by turning the nut towards the bottom of the support rod and then tightening the rod deeper into the printer chassis.



3. Install the Printer to the dispenser door.
 - a. Install the 4 printer chassis support screws (006-0654018) to the dispenser door as shown.
-  **Note:** Printer door should be open to make install easier.



- b. Slide the printer assembly onto the support screws.



- c. Tighten the 4 support screws.



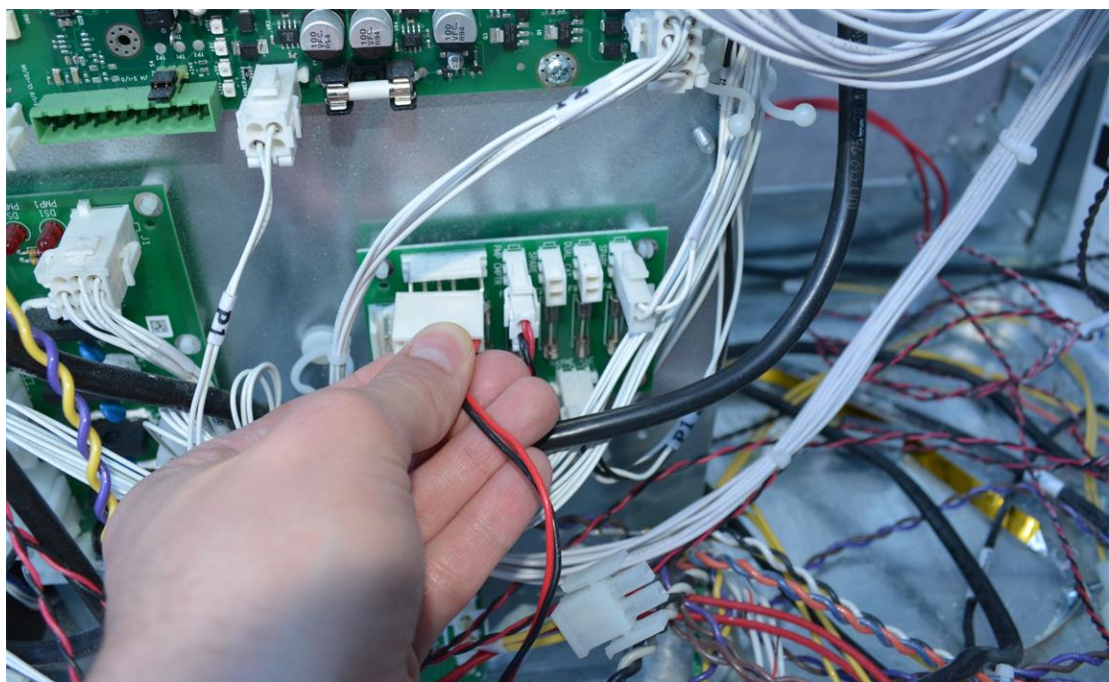
- d. Make final support rod adjustments. The support rod should be adjusted so it sits on the bottom edge of the dispenser door. Loosen the rod from the printer chassis until it touches the bottom of the door and meets slight resistance. To keep the rod in place, tighten the nut against the bottom of the printer chassis.



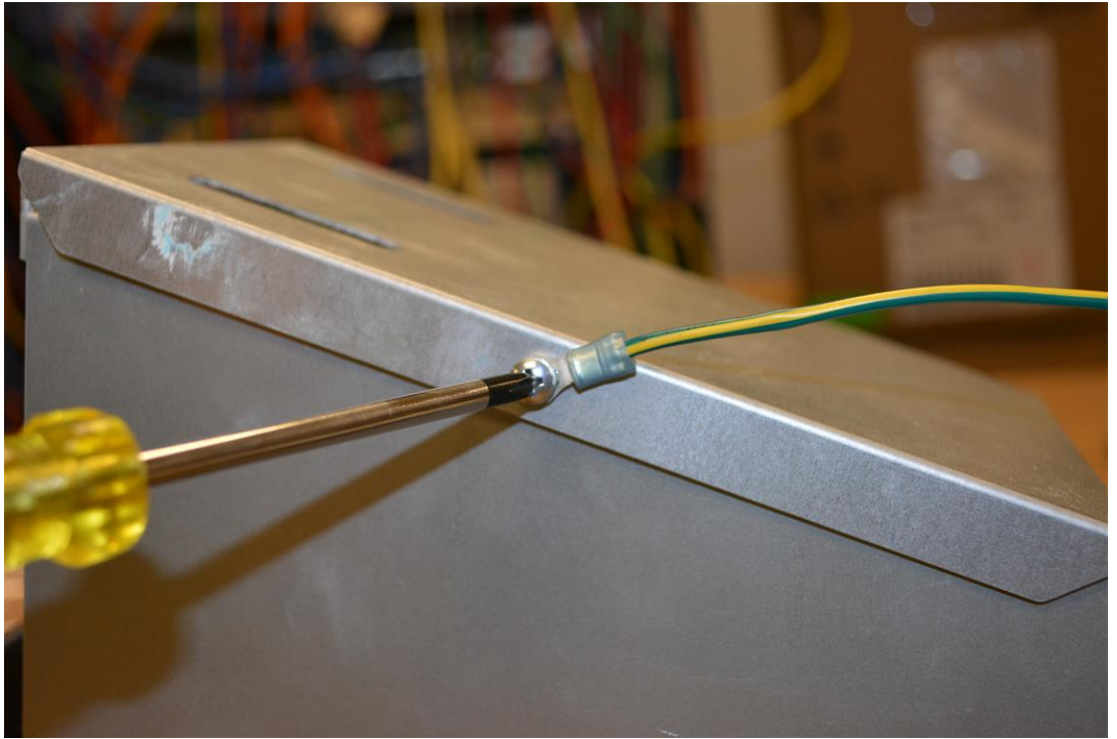
4. Plug in the printer USB cable to the OPTIC 12 Printer USB Port.



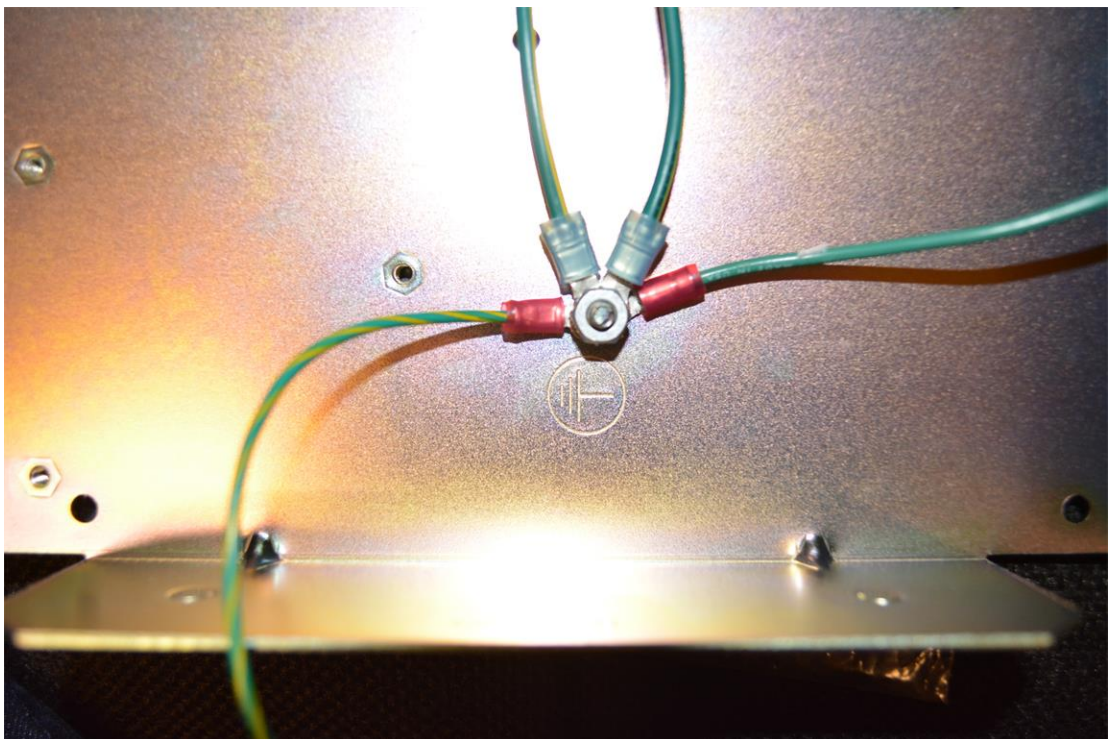
5. Route and plug in the Printer Power cable to the DC power board inside the dispenser.



6. Install the grounding cable (497-0513687) to the Printer cover by removing the top left printer cover screw (when looking at the back of the dispenser door), sliding on the grounding cable, and reattaching the cover screw as shown below.



7. Route the ground cable to the PSU panel and install the cable onto the PSU Grounding Stud as shown below.



8. Verify the wires have been routed correctly by fully extending the printer slide through the printer door and pushing it back in and checking the wire clearance.



Caution: If wires come in contact with the paper area at any point this could cause a printer malfunction.

Continue the Dispenser Retrofit Kit Installation. Follow the OPTIC 12 Ovation 2 Retrofit Kit installation instructions (497-0517176), UL Listed by Report Retrofit kit part number 6002-0006-8801.

