

INSTALLATION INSTRUCTIONS

NCR OPTIC 12 PRINTER FOR WAYNE HELIX2.0

6003-0105-8801

497-0529952
Issue A



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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 Wayne Helix Printer. 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 Wayne Helix Printer.

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. The installer is responsible for reviewing the entire manual prior to doing any work on the dispenser. If the construction of the dispenser in the manual does not match the construction of the dispenser being retrofitted, then do not proceed with the installation and contact customer service.





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	June 2021	First Issue

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INSTALLATION COMPONENTS

REQUIRED ADDITIONAL KITS

Additional Required Retrofit Kits	UL Listing Information	Amount Required
OPTIC 12 for Wayne Helix 2.0	UL Listed by Report Retrofit Kit Part Number 6002-0008-8801	One per side of the dispenser.

WAYNE HELIX PRINTER KIT CONTENTS



Note: Two kits are required for a full installation of the OPTIC 12 to the Wayne Helix 2.0 dispenser. A single side installation is not possible.



Caution: Do not proceed unless two OPTIC 12 Retrofit kits are available for installation on a Helix 2.0 Dispenser.

Part Number	Part Name	Quantity
497-0529856	Printer Assembly	1
497-0528818	Printer Wall Support	1
009-0008002	NUT - SELF LOCKING, M6	2
006-8626492	SCREW, M3X10, PAN HEAD, SEMS, PHILIPS, 18-8SS, NYLON PATCH	2

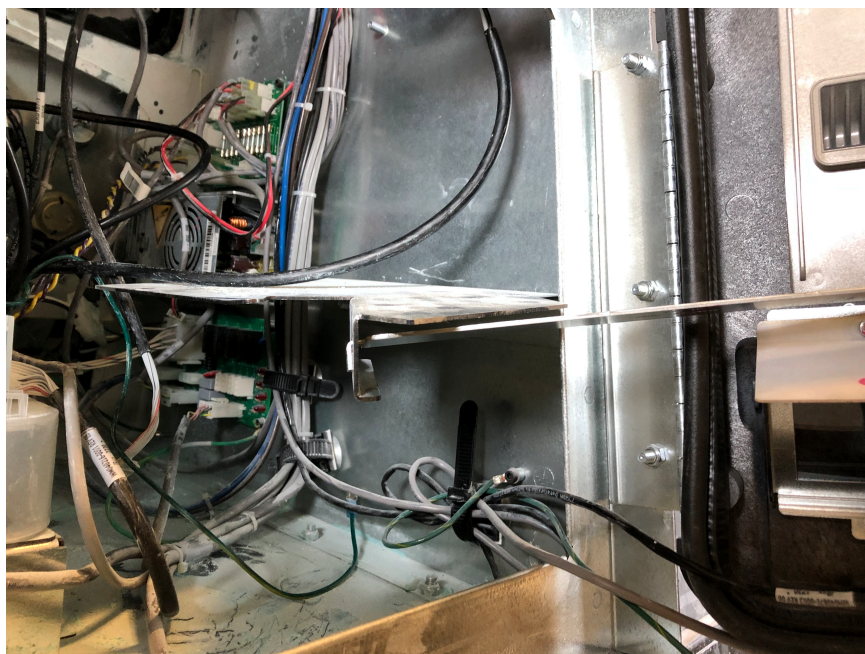
REQUIRED TOOLS

- 10mm socket or nut driver
- Helix dispenser keys
- Printer Door Key
- Phillips #1 Screw Driver

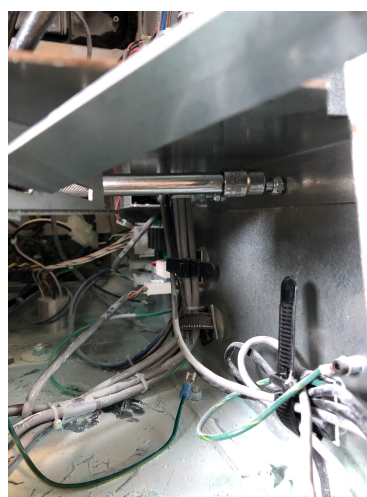
INSTALL THE PRINTER ONTO THE HELIX OPTIC 12 PANEL

PREPARE AND INSTALL THE HELIX OPTIC 12 PRINTER ASSEMBLY

1. Locate the door stay assembly bracket on the right side of the dispenser.



2. Remove and retain the 2 nyloc nuts beneath the door stay assembly bracket using a 10mm socket or nut driver. Door stay arm (pictured below) will already be removed if doing this procedure in tandem with OPTIC 12 Helix 2.0 Installation Manual



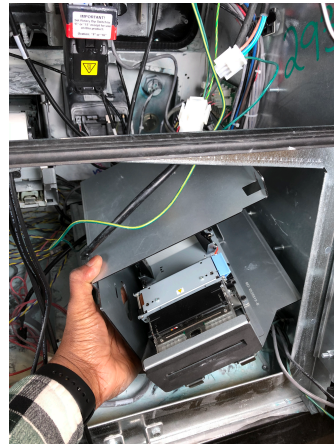
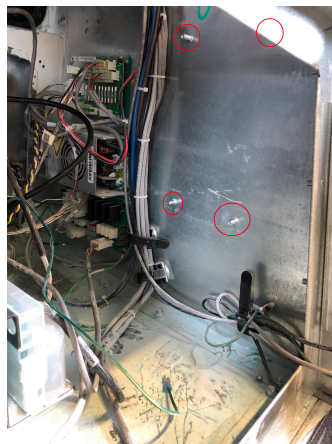
3. Remove and discard the door stay assembly bracket paying attention to the door stay arm as applicable.



4. Acquire the Helix printer assembly, (497-0529856) Printer Wall Support Bracket, (497-0528818) and attachment screws (006-8626492).
5. Assemble Printer wall support bracket on top of helix printer assembly as shown below.



6. Place the printer and wall support assembly into Right side of the dispenser as shown below. Hold the printer back on it's rails while installing to the dispenser. Be careful not to pinch wires upon reinstallation



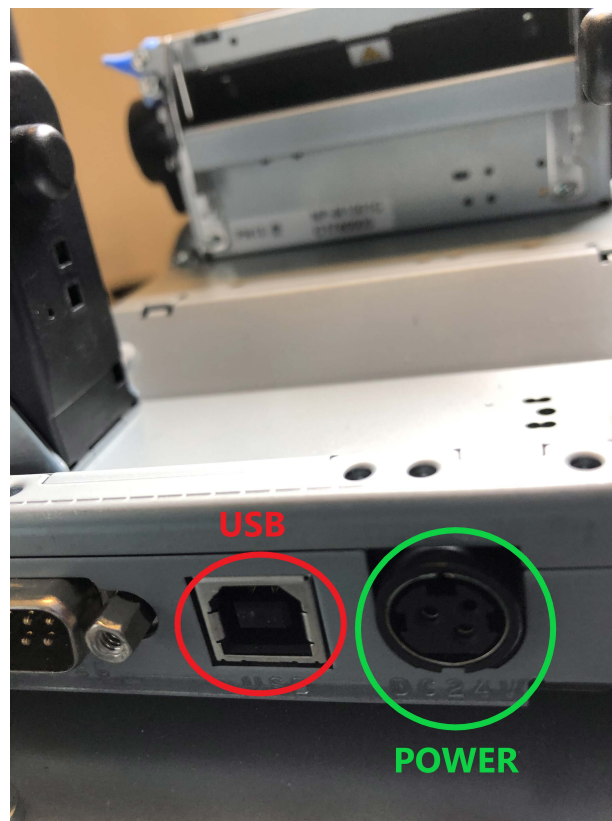
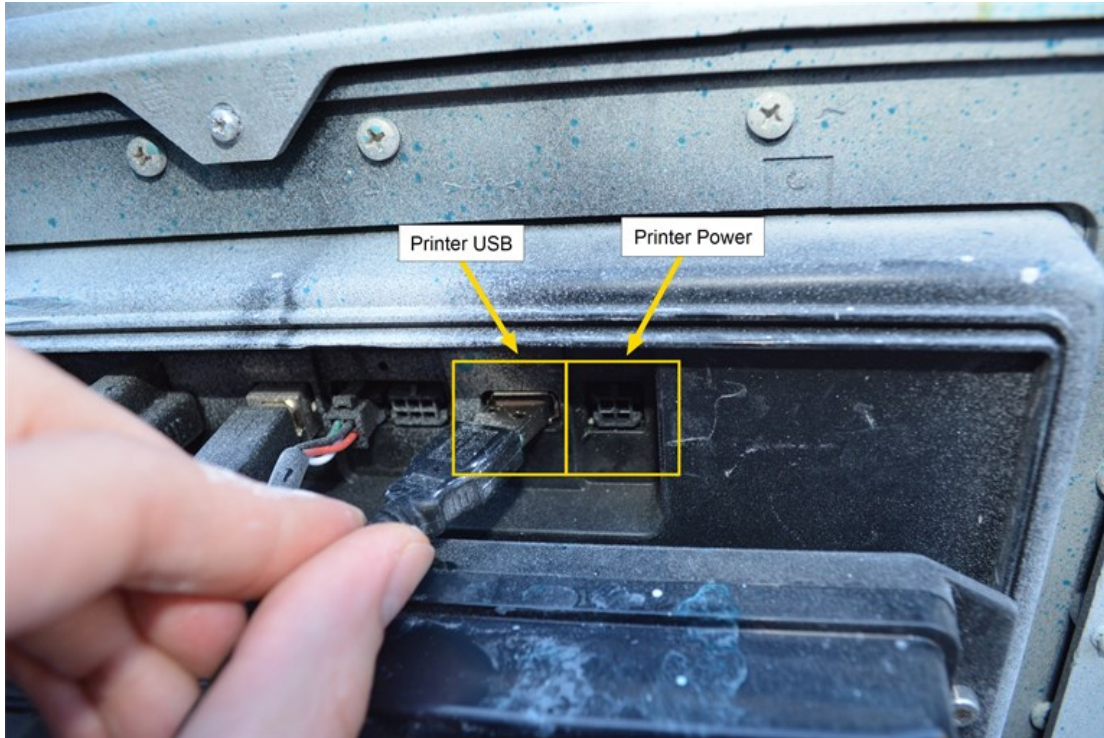
7. Fasten the printer and wall support assembly onto the Right side of the dispenser with 2 previously retained 10mm nuts and 2 provided 009-0008002 nuts using a 10mm socket or nut driver.

TOP of ASSY**BOTTOM of ASSY**

Note: Ensure all cabling is routed behind center frame of pump cavity to ensure wiring does not interfere with weather seal



8. Plug in the Printer Power Cable (497-0513444) and Printer USB Cable (497-0515447) both cables preinstalled on the printer assembly to the OPTIC 12 head.



- 9 Continue to the next installation step in the Helix Installation Guide (497-0529910) UL Listed by Report Retrofit Kit 6002-0008-8801