

Installation Manual

Replacing the DW10/12 and Clamshell Printers
With the Freedom Electronics FE-12 Printer in
Wayne Vista and Ovation 1 Dispensers.

Rev 5.1 • 8/2023

Kit #	FE-12 New
Description	FE-12 Printer Install
Model	Vista and Ovation 1 Dispensers

This kit will upgrade printers on Vista and Ovation 1 dispensers only.
The Ovation 2 dispensers are currently not supported.

Parts list

Manufacturer Part #	Description	Quantity
FE-12 New	Freedom FE-12 Printer Assembly	1
FE-12 Gasket	FE-12 Printer Gasket	1

Tools Required

- Dispenser Bezel Door Key
- Dispenser Printer Door Key
- Flat Head Screwdriver
- Phillips Screwdriver
- 1/4" Nut Driver
- Cutters/Dykes

The FE-12 Printer uses the standard Wayne thermal paper.

7000701 – 1 roll
7000703 – 48 rolls

Important Safety Information

Know Your Environment

Working at a fueling station can present many dangers. It is a potentially dangerous environment of electricity, flammable fuels, vapors, and interaction with the general public. Only trained and knowledgeable individuals should perform service on the equipment. It is important to your safety and the safety of others to follow proper procedures.

Emergency Shut Off (ESO)

Know how to turn OFF power to all the fueling equipment by locating the ESO switch and circuit breakers. You must know how to shut off all fuel flow and electricity in an emergency.

Follow the Regulations

Information is available at Occupational Safety and Hazard Association (OSHA), National Fire Protection Association (NFPA) 30A; Code for Motor Fuel Dispensing Facilities and Repair Garages, NFPA 70; National Electrical Code (NEC), as well as other national, state and local entities. All applicable codes must be followed to maintain safe installation, service, use and operation of the equipment.

LOTO (Lockout/Tagout)

Always make sure ALL power to the dispenser is turned OFF before servicing the dispenser. Follow OSHA Standard 29 CFR 1910.147 The Control of Hazardous Energy (Lockout/Tagout).

No Sparks - No Smoking

Sparks from power tools, burning cigarettes, static electricity, vehicles and other sources can ignite fuels and their vapors. Ensure that you use safe and established practices while working with electrical devices and equipment.

Wear Proper PPE

Check with your company, customers and the job/site specifics to determine what types of personal protective equipment are appropriate. Always wear the proper PPE to prevent injuries and save lives.

Barricade Your Work Area

One of the dangers of working at an active retail fueling station is the potential impact of customers and the general public. It is important to properly establish your work area by barricading, to reduce the potential of vehicles or customers from entering the work area. The use of barricades is both for the protection of workers and protection of the general public/customers.

Read the Manual(s)

Knowledge of all related manufacturer procedures, manuals and documents is important. Follow the Recommended Practices of The American Petroleum Institute (API). Understand the specific procedures before starting work. If you do not understand a procedure, call Freedom Electronics at 770-792-8888.

Notify Site

On arrival identify yourself to the site manager and inform them of the work you will be performing.



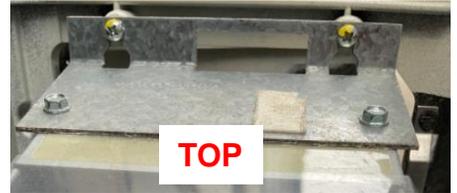
OVATION DISPENSERS

1. Read and understand the Important Safety Information.
2. Remove power from the Ovation dispenser.
3. Open the main door by unscrewing the locks on the door.
4. Secure all cables cleanly inside the dispenser using zip ties and existing cable clips.
5. Disconnect the power and data cables from the existing printer.
6. Loosen the two top and two bottom screws and remove the existing printer from the dispenser door.



OVATION DISPENSERS

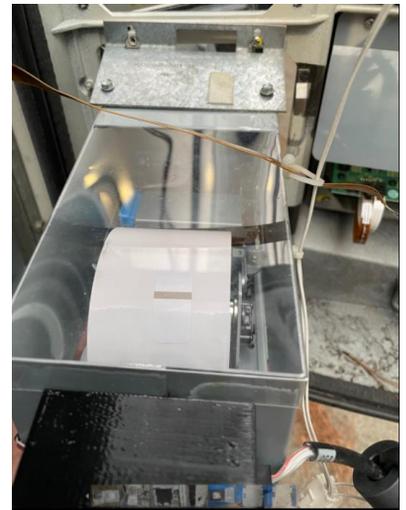
8. Remove the top and bottom brackets from the existing printer.



9. Attach the top and bottom brackets removed from the existing printer to the new FE-12 printer.

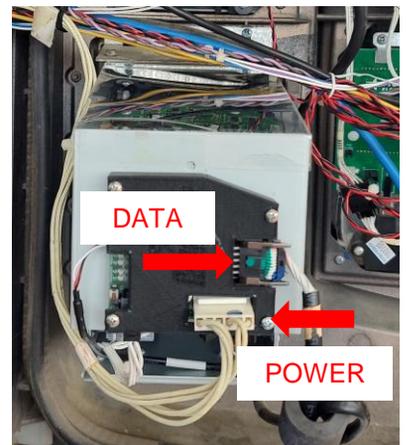


10. Mount the FE-12 printer onto the dispenser door.



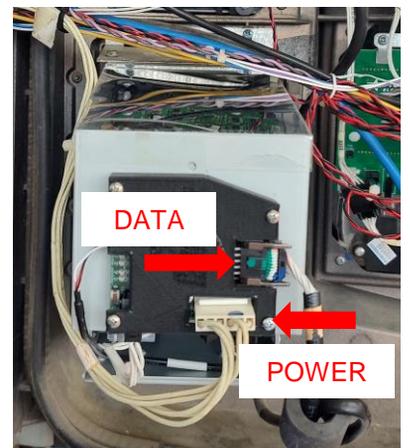
11. Connect the power and data cables to the FE-12 printer.

Continue to page 8, Loading and Testing.



VISTA DISPENSERS

1. Read and understand the Important Safety Information.
2. Remove power from the Vista dispenser.
3. Open the main door by unscrewing the locks on the door.
4. Disconnect the power and data cables from the existing printer.
5. Remove the existing printer by using the tab to release the latch and slide the printer forward and out.
6. Connect the power and data cables to the new FE-12 printer.



VISTA DISPENSERS

7. Slide the new printer onto the rail and push back until the tab latches securing the printer.
8. Secure all cables cleanly inside the dispenser using zip ties and existing cable clips.

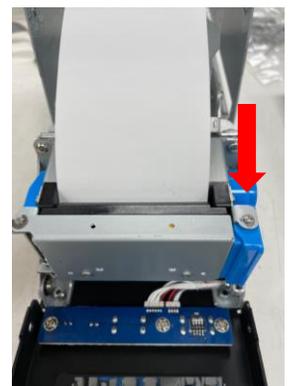
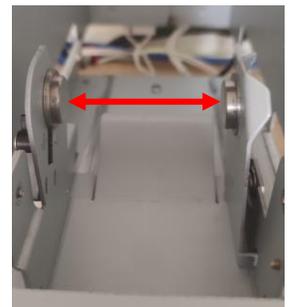


Continue to Loading and Testing.



LOADING AND TESTING

1. Install the FE-12 gasket as shown.
2. Power on the dispenser, and make sure there are no errors during boot up.
3. Open the front door of the printer and insert the paper roll into the holding tabs making sure the core seats properly onto to rings.
4. Open the paper guide tab using the blue tab and feed the paper through the chute.
5. Close the paper guide tab and close the printer door.
As soon as the paper guide sensor detects paper, the controller starts and will auto feed the paper.



LOADING AND TESTING

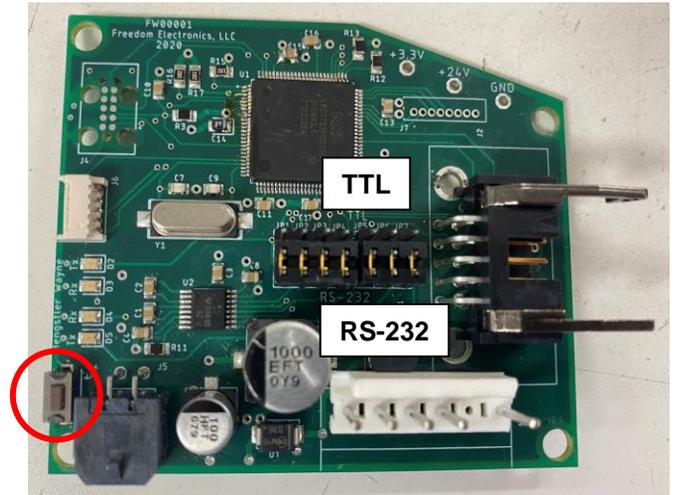
6. Verify that the power light is on and the error light is not on or flashing.
A red error light could indicate that the paper is not inserted properly, or the door is not shut completely.
7. Press the Feed button and make sure paper feeds through.
8. Press the Test button and verify that a test print is printed.
9. Close and lock the dispenser door.
10. Run a transaction, select yes for receipt and make sure a receipt is printed.
11. Open dispenser printer door and make sure you can open the front door of the FE-12 printer without any obstructions and close the printer doors when complete.
12. Make sure that there are no errors displayed on the POS system inside the store.



ADDITIONAL INFORMATION

Jumper Settings on FE-12 Printer PCB

- ❑ Wayne Dispenser with SPM:
 - JP1-JP4 at RS-232 position
 - JP5-JP7 at TTL position
- ❑ Wayne dispenser with QCAT:
 - JP1-JP4 at TTL position
 - JP5-JP7 at TTL position



By pressing the Diagnostics button on the FE-12 PCB, a Diagnostics printout will print.



The dipswitches behind the printer door must always be:

- 1 – OFF
- 2, 3, 4 - ON