



Installation Manual

Replacing the Wayne Ovation 1 DW10/12 and Clamshell printer using the Freedom Electronics FE-12 Printer.

Rev 4.1 • 3/2022

Kit #	FE-12 New
Description	FE-12 Printer Install
Model	Ovation 1 Dispenser

This kit will upgrade printers on 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

- Ovation 1 main door key
- Ovation 1 printer door key
- Flat Head screwdriver
- Phillips Screwdriver
- 1/4" Nut Driver
- Cutters/dykes

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.

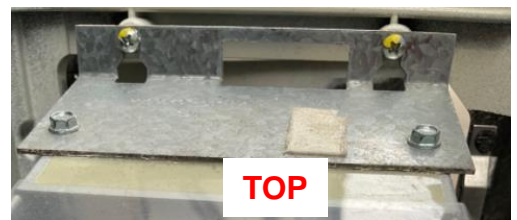
Notify Site

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



FE-12 Printer

1. Before you begin work, read and understand the Important Safety Information.
2. Remove power from the Ovation dispenser.
3. Open the main door by unscrewing two locks on the door.
4. Secure all cables cleanly inside dispenser using zip ties and existing cable clips.
5. Keep the door wide open using the door hinge.
6. Disconnect the power and data cables from the OEM DW/Clamshell printer.
7. Loosen the two top and two bottom screws and dismount the OEM DW/Clamshell printer from the dispenser door.
8. Remove the top and bottom brackets from the OEM DW/Clamshell printer.
9. Attach the top and bottom brackets removed from OEM DW/Clamshell printer to the FE-12 printer.



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.

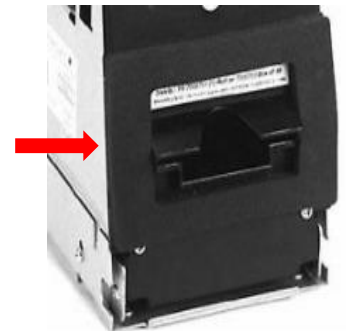
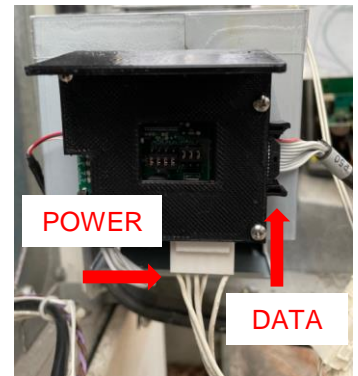
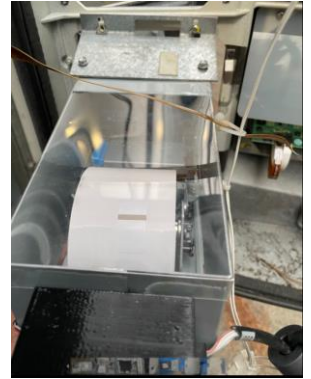
12. Install FE-12 gasket as shown.

13. Power on the dispenser, make sure there are no errors during boot up.

14. Take paper roll out of OEM DW/Clamshell printer and install it in the FE-12 printer as instructed below.

15. Open the front door on the printer and open the paper guide tab using blue tab.

16. Insert the paper into the printer mechanism and close the paper guide. As soon as the sensor in the paper guide detects paper, the controller starts the automatic paper insertion.



FE-12 Printer

17. Make sure there is not a red error light flashing on the printer. This indicates that the paper is not inserted, or the door is not shut properly.
18. Press the Feed button and make sure paper feeds through.
19. Press the Test button and verify that a test print is printed.
20. Close and lock the dispenser door.
21. Run a transaction, select yes for receipt and make sure a receipt is printed.
22. 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 door when complete.
23. Make sure that there are no errors displayed on the POS system inside the store.



Additional Information

Jumper settings for FE-12 printer

- Wayne Ovation dispenser with SPM:
 - JP1-JP4 at RS232 position
 - JP5-JP7 at TTL position
- Wayne dispenser with QCAT
 - JP1-JP4 at TTL position
 - JP5-JP7 at TTL position

