

FPU® SYSTEMS OPERATION MANUAL
BOH OFFICE MODULE
(INCLUDING REPAIR PARTS & SPECIAL TOOL LIST)
BOH FPU Field Pack-up Units

CHAPTER 3
TROUBLESHOOTING PROCEDURES

This page was intentionally left blank

TROUBLESHOOTING PROCEDURES
FPU® SYSTEMS OPERATION MANUAL
BOH OFFICE MODULE
(INCLUDING REPAIR PARTS & SPECIAL TOOL LIST)
BOH FPU Field Pack-up Units

INTRODUCTION

INTRODUCTION

The malfunction/symptom index in WP 0014 00 is a quick reference for finding the troubleshooting procedures. Associated with each symptom name is a table number representing the starting point in a troubleshooting sequence contained in WP 0015 00. The troubleshooting index is broken down by component. Find the component and malfunction/symptom, review the referenced table for the test or inspection and perform the corrective action. This type of activity continues until successful fault isolation is achieved.

Troubleshooting Procedures

The troubleshooting work package contains tables listing the malfunctions, checks or inspections, and corrective actions required to return the equipment to normal operation. Perform the steps in the order they appear in the tables.

The work package is headed by an initial setup. This setup outlines what is needed as well as the conditions that must be met before starting the task. **DO NOT START A TASK UNTIL:**

- You understand the malfunction.
- You understand what you are to do to correct the malfunction.
- You understand what is needed to do the work.
- You have the things you need.

This manual cannot list all malfunctions that may occur or all tests, inspections and corrective actions. If a malfunction is not listed, or is not corrected by listed corrective actions, notify unit maintenance.

END OF WORK PACKAGE

This page was intentionally left blank

TROUBLESHOOTING PROCEDURES

FPU® SYSTEMS OPERATION MANUAL

BOH OFFICE MODULE

(INCLUDING REPAIR PARTS & SPECIAL TOOL LIST)

BOH FPU Field Pack-up Units

TROUBLESHOOTING INDEX

TABLE 1 TROUBLESHOOTING INDEX (OPERATOR)

Malfunction/Symptom	Refer to WP 0015 00 Table 1, Procedure Number
INITIAL SETUP	
Loading/Unloading Office Module	
Unable to insert office module into container and lock in position.	1
Unable to remove module.	2
Office Module Electrical Service	
WARNING Do not attempt to make electrical repairs. Report electrical failures to maintenance.	
Overhead lighting will not come on.	3
No overhead red lights.	4
HVAC unit will not operate.	5
HVAC unit will not cool properly.	6
No power to electrical outlets.	7
Unable to push HVAC out into usable position.	8
HVAC overheating	9
Operating Entrance Doors	
Module doors leaking.	10
Unable to unlock/open the entrance doors.	11
Unable to lock the entrance doors.	12
Adjusting the Roof Height	
Unable to lower module roof.	13
Unable to raise module roof.	14
Operating File Cabinet Drawers	
Unable to open drawers.	15
Unable to close drawers.	16

END OF WORK PACKAGE

This page was intentionally left blank

TROUBLESHOOTING PROCEDURES

FPU® SYSTEMS OPERATION MANUAL BOH OFFICE MODULE (INCLUDING REPAIR PARTS & SPECIAL TOOL LIST) BOH FPU Field Pack-up Units

TROUBLESHOOTING PROCEDURES

INITIAL SETUP:

Materiel/Parts

None

Personnel Required

One

Tools

General Mechanic's Tool Kit

References

None

Equipment Condition

Office Module set up

NOTE

If corrective action does not correct the malfunction, notify unit maintenance.

TABLE 1 OPERATOR TROUBLESHOOTING

Malfunction	Test or Inspection	Corrective Action Required
1. Unable to insert office module into container and lock in position.	Inspect floor plate locking rod to ensure it is in the fully retracted position.	Fully retract the floor plate locking rod.
	Inspect module and container area to ensure there are no obstructions	Clear obstructions and continue inserting the module.
	Ensure module roof is in the lowered position.	Use the jack to lower the module roof to the appropriate height, then insert the module.
2. Unable to remove module.	Inspect floor plate locking rod to ensure it is in the fully retracted position.	Fully retract the floor plate locking rod.
	Ensure module roof is in the lowered position.	Use the jack to lower the module roof to the appropriate height, then remove the module.
3. Overhead lighting will not come on.	Ensure the power source is active, grounded connection is made, and connected properly by a certified electrician e.g. Army MOS 21R.	Report to maintenance certified electrician e.g. Army MOS 21R.
	Check the position of the fluorescent tubes for proper contact.	Remove the light fixture cover and twist and reposition the fluorescent tubes until they make proper contact or replace as needed.
4. No overhead red lights.	Check the light selector switches position at the door.	Check and activate circuit breakers, report malfunction to maintenance electrician e.g. Army MOS 21R.
	Ensure there is a red sleeve on one of the fluorescent tubes.	Install a red sleeve on the red active fluorescent tubes.

TABLE 1 OPERATOR TROUBLESHOOTING (cont'd)

Malfunction	Test or Inspection	Corrective Action Required
	Check the position of the fluorescent tubes for proper contact.	Remove the light fixture cover and twist and reposition the fluorescent tubes until they make proper contact or replace as needed.
5. HVAC unit will not operate	Check Thermostat setting on the HVAC unit.	Adjust temperature setting.
	Check the HVAC circuit breaker.	Actuate the circuit breaker. Report failure to maintenance.
6. HVAC unit will not cool properly	Check Thermostat setting on the HVAC unit.	Adjust temperature setting.
	Check the HVAC filter.	Clean or replace the filter.
7. No Power to electrical outlets	Check power circuit breakers.	Actuate the power circuit breakers. Report failure to maintenance.
	Check power source connections.	WARNING Do not attempt to make electrical repairs. Report improper connection to maintenance.
8. Unable to push HVAC out into usable position.	Ensure no obstructions behind HVAC.	Remove obstruction.
	Ensure rear vinyl weather cover is open.	Detach velcro and open covers.
	Check alignment of HVAC.	Push HVAC grille at rear of office module all the way in to properly align in HVAC opening.
9. HVAC overheating.	Check filter and vents for debris.	Clean vents and replace filter.
	Ensure HVAC is fully extended into out position.	Open vinyl weather cover. Push HVAC so it extends outside module.
10. Module doors leaking.	Inspect door seals for damage and proper lubrication.	Lubricate or replace seals as necessary.
11. Unable to unlock/open the entrance doors.	Make sure you have the proper key.	Obtain the proper key.
	Check the lockset for dirt or corrosion.	Clean and lubricate with WD-40.
12. Unable to lock the entrance doors.	Inspect door threshold for dirt, gravel, mud or other obstructions.	Clean as necessary.
	Check the lockset for dirt or corrosion.	Clean and lubricate with WD-40.
13. Unable to lower the module roof.	Check whether the jack is operating properly.	Refer to Chapter 2 for proper jack operation.

TABLE 1 OPERATOR TROUBLESHOOTING (cont'd)

Malfunction	Test or Inspection	Corrective Action Required
	Ensure the roof elevating lock assembly pins are disengaged.	Disengage the pins. See Chapter 2 pages 0009 00-5 to 00-8 for proper operation and warnings.
	Inspect for obstructions outside the office module beneath the roof, seals.	Remove obstructions.
14. Unable to raise the module roof.	Check whether the jack is operating properly.	Refer to Chapter 2 for proper jack operation.
	Ensure the roof elevating lock assembly pins are disengaged.	Disengage the pins. See Chapter 2 pages 0009 00-5 to 00-8 for proper operation and warnings.
15. Unable to open drawers.	Inspect for an obstruction inside the drawer.	Clear any obstruction and open.
16. Unable to close drawers.	Check for an obstruction in or behind the drawer.	Remove drawer and clear the obstruction.
END OF TABLE 1		

END OF WORK PACKAGE

This page was intentionally left blank