

**FPU® SYSTEMS OPERATION MANUAL
(INCLUDING REPAIR PARTS & SPECIAL TOOL LIST)
STANDARD AND SPECIALIZED FPU MODULES
BOH FPU Field Pack-up Units**

**CHAPTER 3
TROUBLESHOOTING PROCEDURES**

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TROUBLESHOOTING PROCEDURES

FPU SYSTEMS OPERATION MANUAL (INCLUDING REPAIR PARTS & SPECIAL TOOL LIST) STANDARD AND SPECIALIZED FPU MODULES BOH FPU Field Pack-up Units

INTRODUCTION

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The malfunction/symptom index in WP 0013 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 0014 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

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TROUBLESHOOTING INDEXES

TROUBLESHOOTING INDEX (OPERATOR)

Malfunction/Symptom	Refer to WP 0014 00 Table 1, Procedure Number
INITIAL SETUP	
LOADING OPERATION OF FPU MODULES	
Loading/Unloading FPU Modules	
Unable to insert module and lock in position	1
Unable to remove module	2
Operating Module Doors	
Unable to open door	3
Unable to close door	4
Module Door leaking	5
Operating Adjustable Drawers	
Unable to open module drawer	6
Unable to close module drawer	7
Securing FPU Cargo Using Nets	
Male parachute clips on nets do not align with female clips on drawer/pallet	8
FPU BULK MODULE	
Tray or Bin Binding	9
Tray or Bin Latch Sticking	10
TRICON ADAPTER	
Unable to install the second TRICON adapter	11
END OF TABLE	

END OF WORK PACKAGE

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TROUBLESHOOTING PROCEDURES

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TROUBLESHOOTING PROCEDURES

INITIAL SETUP:

Materiel/Parts

Rags, water, Lubricant

Personnel Required

One

Tools

General Mechanic's Tool Kit, MHE Support

References

Chapter 2 and 4

Equipment Condition

FPU setup

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 module 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 for obstructions, nets or straps on the module are not hung up on the container.	Clear obstructions, untangle nets material and adjust straps, continue inserting 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.
	Inspect module and container area to ensure for obstructions, nets or straps on the module are not hung up on the container.	Clear obstructions, untangle nets material and adjust straps, continue removing the module.
3. Unable to open door	Inspect module position to ensure it is seated in the adapter and locked down properly.	Reinstall module in the container and lock it down properly.
	Inspect to determine if Door Lock Set is clear of debris.	Apply lube spray to key slot. NOTE: (Hazmat corrosive module) Actuate the pressure vent valve on door to relieve internal vacuum.

TABLE 1 OPERATOR TROUBLESHOOTING (cont'd)

Malfunction	Test or Inspection	Corrective Action Required
4. Unable to close door	Inspect for debris in door threshold or excess material.	Clean debris from threshold, clear excess material.
	Inspect module position to ensure it is locked down and seated in the adapter properly.	Reinstall module in the container and lock it down properly.
	Inspect to ensure door is being closed with proper seal orientation.	Repair or replace door edge seals.
5. Module doors leaking	Inspect module door threshold for dirt, gravel or other obstructions.	Clear debris for threshold.
6. Unable to open module drawer	Inspect drawer-locking handles and latches to ensure they are in the unlocked position.	Position drawer locking handles or latches into the unlocked position and extend outward.
	Inspect for an obstruction inside the drawer.	Clear obstruction and open.
7. Unable to close module drawer	Inspect drawer-locking handle and latches to ensure they are in the open position.	Position latches in the open position and push inward.
	Check for an obstruction in the drawer.	Clear/remove the obstruction.
8. Male parachute clips on nets do not align with female clips on drawer/pallet	Check the orientation of net to ensure it is properly fitted.	Turn net to orientate properly. Reposition material.
9. Tray or Bin binding	Check for loose frame bolts,	Tighten frame bolts and check adjustment; FPU BULK MODULE. See page chapter 4 WP 0021 00-2 and 00-2
	Check for dirt, rust and debris in roller tracks.	Clean roller tracks.
	Check rollers for free movement.	Adjust the rollers or replace as required.
10. Tray or Bin Latch sticking	Check for dirt, rust and free movement.	clean dirt and rust; then lubricate as required. See chapter 2 page WP 0009 00-4
11. Unable to install the second TRICON adapter.	Check position of the first adapter.	Reposition the first adapter, see chapter 2 page WP 0010 00-5 to 00-9

END OF WORK PACKAGE**0014 00-2**