

**FPU® SYSTEMS OPERATION MANUAL  
(INCLUDING REPAIR PARTS & SPECIAL TOOL LIST)  
Light Expeditionary Module (LEM)  
BOH FPU Field Pack-up Units**

**CHAPTER 3  
TROUBLESHOOTING PROCEDURES**

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**TROUBLESHOOTING PROCEDURES**  
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**INTRODUCTION**

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The malfunction/symptom index in WP 0012 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 0013 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 need 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 PROCEDURES TABLE 1**

**INITIAL SETUP:****Materiel/Parts**

None

**Personnel Required**

Two

**Tools**

General Mechanic's Tool Kit

**References**

None

**Equipment Condition**

MODULE setup

**NOTE**

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

**TABLE 1 OPERATOR TROUBLESHOOTING**

<b>Malfunction</b>	<b>Test or inspection</b>	<b>Corrective action required</b>
1. Cage difficult to remove.	Ensure 18" 3G bar has been removed.	Remove 18" 3G bar.
	Ensure the bezels are not damaged.	Repair or replace bezel if damaged.
	Ensure the cage track is clean.	Clean cage track of dirt, rust or any type of obstruction.
2. Cage doors difficult to open	Inspect slam latches for rust and dirt.	Clean and lubricate.
	Inspect hinges for rust and dirt.	Clean and lubricate.
3. Unable to insert a drawer in the tray.	Check for debris in the tray.	Clear debris in the tray.
	Ensure the tray bumpers are fully installed.	Reinstall the bumpers.
4. Unable to latch the drawer lid.	Inspect for debris or material above the top of the drawer dividers.	Clear, align or rearrange material, or remove excess material.
5. Drawer trays are difficult to pull out or push in.	Inspect for dirt, sand, grit on the drawer slides of the drawer trays.	Remove drawer, clean tray slides as required with soap and water. Wipe dry with rags, lubricate drawer slides and tracks.
	Ensure the drawer is aligned in the tray properly.	Remove the drawer and align the drawer in the tray.
	Inspect for slide damage.	Report to Unit Maintenance for slide replacement.

**TABLE 1 OPERATOR TROUBLESHOOTING (cont'd)**

<b>Malfunction</b>	<b>Test or inspection</b>	<b>Corrective action required</b>
6. Drawer rolls back when extended.	Ensure the drawer tray is fully extended, check for dirt and corrosion in slide detent.	Pull drawer, to the fully extended position, clean dirt from slide detent, lubricate drawer slide.
7. Moisture in drawer.	Inspect drawer lid seal for damage, dirt, gravel.	Clean or replace seal as necessary.
8. Drawer slam latch will not latch or unlatch smoothly.	Inspect the slam latch for dirt, rust or damage.	Clean and lubricate, or replace if damaged.
9. Unable to insert hull assembly.	Inspect hull bottom tracks and bezels for dirt and debris.	Clean hull tracks, tops and bezel with damp rags.
	Inspect hull bezels for damage.	Repair or replace bezel assembly
10. Drawer is not set properly in the tray.	Inspect the edge protector to see whether they have come loose or are out of position.	Remove the existing adhesive from edge protector. Apply adhesive Turbo Fuse Series 130PR and reattach.
11. Slide Tape worn or damaged	Inspect slide tape for wear or damage	Replace slide tape. Apply adhesive Turbo Fuse Series 130PR and reattach.
12. Twist Lock keys will not seat in the mounting plate slots.	Ensure the twist lock is fully extended.	Adjust the star nut and fully extend the twist lock assembly.
	Ensure flange and keys are aligned with the mounting plate slots.	Realign with the handle and retract the twist lock with the star nut.
<b>End Of Table</b>		

**END OF WORK PACKAGE**