

**FPU® SYSTEMS OPERATION MANUAL  
(INCLUDING REPAIR PARTS & SPECIAL TOOL LIST)  
BOH CONTAINERIZED 5 PERSON SHOWER  
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 0008 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 0009 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.

#### General Information

When troubleshooting the electrical system with power connected, place all switches and circuit breakers in the OFF position. Ensure all switches and circuit breakers are identified as "in work" to prevent accidental powering of equipment while servicing equipment in work. If any circuit breaker trips after it has been reset, notify unit maintenance.

#### END OF WORK PACKAGE

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## TROUBLESHOOTING PROCEDURES

#### INITIAL SETUP:

##### Material/Parts

None

##### Personnel Required

Two

##### Tools

General Mechanic's Tool Kit, MHE, Flashlight, Plumbing Tools

##### References

Chapter 5

##### Equipment Condition

Shower set up

#### NOTE

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

**TABLE 1 OPERATOR TROUBLESHOOTING**

Malfunction	Test or inspection	Corrective action required
1. Unable to light Interior Lighting	Check fluorescent tubes for connection in the fixture.	Twist fluorescent tube in place. Replace fluorescent tube. <b>NOTE</b> Fluorescent tubes may contain hazardous material. For proper disposal of Fluorescent tubes refer to: DOD 4160.21-M page 10.1-12.
	Ensure the electrical service is operating.	Have an electrician reconnect the service hookup.
	Check circuit breakers in panel box.	Have an electrician replace the circuit breakers.
2. No water to sinks or showers.	Ensure there is water service, Exterior supply Valve is open.	Open the Exterior supply valve.
	Check under sink shutoff valves.	Open all supply valves.
	Ensure all supply valves are open, See WP 0004 00-4	Open all supply valves.
3. Door Seal leaking.	Check for crack or damage to the door seal.	Replace door seal.

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

<b>Malfunction</b>	<b>Test or inspection</b>	<b>Corrective action required</b>
4. Doors difficult or unable to operate	Check the container for levelness.	Establish a level site and adjust the level of the container.
	Check door hinges for rust or corrosion.	Lubricate the door hinge with silicon spray.
5. Vanity sink clogged.	Check for debris.	Use plunger.
	Check trap under sink.	Remove trap under the sink and clear trap.
6. Water is not hot.	Check hot water electrical shutoff switch.	Turn on hot water electrical shutoff switch.
	Check hot water circuit breaker.	Actuate hot water circuit breaker.
	Check all hot water shutoff valves.	Open all hot water shutoff valves See Appendix A for MFG information.
7. No power from wall outlets	Check GFCI switch.	Actuate GFCI reset button.
	Check GFCB circuit breaker.	Reset GFCB breaker.
8. Floor drains clogged (Single drain) /Floor drains clogged (Multiple drain)	(Single) Check for floor drain clogs.	(Single) Remove drain screen and flush with water hose. Use a plumber's snake to remove clog, if necessary.
	(Multiple) Check grey water discharge line for clogs.	(Multiple) Remove clean out plug to grey water discharge line and clear clog.
<b>End Of Table</b>		

**END OF WORK PACKAGE**