

CHAPTER 3
TROUBLESHOOTING PROCEDURES

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TROUBLESHOOTING PROCEDURES
BOH PDM PORTABLE DRAWER MODULE OPERATION MANUAL
(INCLUDING REPAIR PARTS & SPECIAL TOOL LIST)
FOR 4 MODELS OF PDM MODULES
BOH FPU Field Pack/up Units

INTRODUCTION

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The malfunction/symptom index in WP 0010 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 0011 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 task.
- You understand what you are to do.
- 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:
Materiel/Parts

None

Personnel Required

Two

Tools

General Mechanic's Tool Kit

References

None

Equipment Condition

MODULE 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 Remove a drawer	Ensure ratchet straps are not over tightened. Ensure the drawer frame latch is up and secure.	Loosen the ratchet straps until stress on the frames is relieved. Raise and secure the drawer latch. Raise the thumb latch and pull out the drawer See WP 0005
2. One or more drawers are jammed.	Inspect for drawer lid binding in the frame due to overloaded drawer.	Release ratchet straps and un-stack from the top down as/per un-stacking instructions in WP 0005
3. Unable to close drawer lid	Inspect for debris or material above the dividers or wrong dividers under the left and right drawer gas cylinders. Check drawer seal for alignment.	Clear, align or rearrange material, seal and dividers as required. See WP 0005
4. Drawers are difficult to pull out or push in.	Inspect for dirt sand grit on the self lubricating bearing pads of the drawer slides.	Clean as required with soap and water. Do Not lubricate, bearing pads lubrication attracts more dirt grit and sand .
5. Unable to remove drawer from the slide frame.	Insure the drawer is fully extended. Check for dirt corrosion in guide slots	Pull drawer to the full extended position. Clear debris, rust or dirt from slots and guides.
6. Drawer Lid Seal Leaking	Inspect drawer seal for damage, dirt, gravel.	Clean or replace as necessary.

TABLE 1 OPERATOR TROUBLESHOOTING (cont'd)

Malfunction	Test or inspection	Corrective action required
7. Drawer slam latch will not latch or unlatch properly.	Inspect the slam latch for dirt rust	Clean and lubricate. Replace if damaged or missing.
8. Unable to stack tray case assemblies.	Inspect dirt and debris	Clean with damp rags
End Of Table		

END OF WORK PACKAGE