

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

CHAPTER 4
OPERATOR MAINTENANCE INSTRUCTIONS

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OPERATOR MAINTENANCE INSTRUCTIONS

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

INTRODUCTION TO PREVENTATIVE MAINTENANCE CHECKS & SERVICES (PMCS)

INITIAL SETUP:**Materiel/Parts**

None

Personnel Required

Two

References

None

Equipment Condition

Office Module Setup

INTRODUCTION TO PREVENTATIVE MAINTENANCE CHECKS & SERVICES (PMCS)

Preventive Maintenance Checks and Services (PMCS) are performed to keep the Office Module in good operating condition. These checks aid in finding, correcting, or reporting problems. Operator personnel are to perform the PMCS tasks as shown in the PMCS table.

Perform PMCS procedures each day the Office Module is in operation, using the PMCS table in (WP 0017 00). There are different intervals to perform PMCS procedures: before, during and after using the equipment, as well as weekly and monthly. Look at the table carefully to identify the required PMCS interval.

Perform all checks and services keeping in mind the following guidelines:

- Before you begin using the Office Module, perform **Before Operation PMCS**.
- While the Office Module is in use, perform **During Operation PMCS**.
- After using the Office Module, perform **After Operation PMCS**.

If you find something wrong when performing PMCS, fix it using troubleshooting and/or maintenance procedures. Pay attention to WARNING and CAUTION statements. A **WARNING** means someone could be hurt or killed. A **CAUTION** means equipment could be damaged.

The far right-hand column of the PMCS table lists conditions that make the Office Module not fully mission capable. Write down the problem that cannot be repaired at your level on DA Form 2404 and forward for unit maintenance. For further information on how to use this form, see DA PAM 738-750.

If tools that are required to perform PMCS are not listed in the procedures, notify your supervisor.

Inspection

Look for signs of trouble. Use your senses to feel, smell, hear, or see problems that may exist. Inspect to see if items are in good condition. Are components correctly installed and secured? Is any damage to the frame or components visible? Correct any faults or notify Unit Maintenance.

Service

Proper service of the Office Module and components is an integral part of maintenance. Regular cleaning prevents possible problems in the future, so make it a habit to clean the Office Module and components whenever necessary.

END OF WORK PACKAGE

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PMCS TABLE

INITIAL SETUP:
Materiel/Parts

Rags, Water, Broom

Personnel Required

Two

References

None

Equipment Condition

Office Module Operation

**Table 1 Preventive Maintenance Checks and Services for the FPU SYSTEMS
PMCS B (Before), D (During), A (After), W (Weekly), M (Monthly)**

	B	D	A	W	M	Inspection Item and Procedure	Equipment Not Ready/Available If
1	*	*	*			Office Module Check all doors and walls for cracks, dents, holes, or loose/missing hardware.	Missing door hardware, punctures, damage that would cause hazard or injury to personnel or damage to equipment.
2					*	Lubricate hinges, locks and latches as required.	All hinged items should move freely.
3			*		*	Exterior Check all exterior surfaces for cracks, dents that affect the operation of the Office Module. Check for accumulations of dirt, debris, ice, snow, or salt. Clean as required.	Damage or malfunction that would cause the Office Module from operating properly such as, exterior electrical power cables and connection covers, and Office Module door seals that are damaged or missing.
						Check damaged or missing external electrical connection covers.	
						Office Module door seals. Wipe clean and lubricate as required.	
4			*		*	Interior Check interior for dirt and debris. Sweep clean and wipe-down desk tops with rags as required.	Damage or malfunction that would cause the CMS from operating properly such as, inoperative circuit breakers, lighting system, HVAC. A clean work area must be maintained.
						Check drawer latches for missing or loose hardware. Replace or tighten as necessary.	
						Check circuit panel test for damaged breakers. Test HVAC and lighting system	
5					*	Lubricate file cabinet and HVAC slides as required.	All bearing items should move freely.
6	*		*			Upper shelf ratchet straps.	Damaged, frayed or missing ratchet straps.
7			*		*	Data Plates Check data plates for whether legible, damaged and/or missing. Clean with water and rag. Replace as needed.	Office Module ID plates must be clear of paint, dirt and must be legible.

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CLEANING AND LUBRICATING

INITIAL SETUP:**Materiel/Parts**

Rags, Water, Detergent

Personnel Required

Two

References

None

Equipment Condition

Office Module Operation Setup

CLEANING AND LUBRICATING

Cleaning and Lubricating of the Office Module is performed to keep the Office Module and its associated equipment in good operating condition. The cleaning and lubrication of the Office Module can be conducted along with the Preventive Maintenance Checks and Services (PMCS) procedures described in (WP 0017 00). Specific areas described below need to be cleaned after an operational event or periodically if stored/staged outside of a fixed facility to keep the container, modules, and accessories performing as designed. Cleaning also assists in maintaining the condition of the materiel stored within the system. Any damage discovered when cleaning and/or lubricating that cannot be corrected using the troubleshooting procedures described in (WP 0015 00) should be reported for corrective maintenance.

Table 1 Cleaning

SURFACE	OIL/GREASE	SALT/MUD/DIRT DEBRIS	RUST/CORROSION
Exterior and Interior Walls (All)	Detergent, Water, Rags	Soapy Water, Brush, Rags	Corrosion Removal Compound and Wire Brush, Dry Rag, Spot Paint
Door Hinges and Seals	Damp and Dry Rags	Damp and Dry Rags	N/A
Doors	Detergent, Water, Rags	Soapy Water, Brush, Rags	Corrosion Removal Compound and Wire Brush, Dry Rags, Spot Paint
Exterior Power and Communication Door Hinges	Molykote Multipurpose Synthetic Grease P/N 26040124	Brush, Rag and lubricate as needed to ensure hinges travel freely	Corrosion Removal Compound and Wire Brush, Dry Rags and Lubricate as needed Spot Paint
Power Cable Connections	Detergent, Water, Rags	Soapy Water, Wire Brush, Rags	Do Not Paint
HVAC Cover	Detergent, Water, Rags	Soapy Water, Brush, Rags	N/A
HVAC Filters	None	Vacuum to remove dust as needed	Replace monthly in high dust conditions, clean as needed.
Ratchet mechanism/straps	Detergent, Water, Rags	Soapy Water, Brush, Rags	Do Not Paint
END OF CLEANING TABLE 1			

Table 2 Lubrication

USAGE	FLUID or LUBRICANT	CAPACITIES	EXPECTED TEMPERATURES	INTERVAL
Door Hinges	General Purpose Lubricating Oil 10W	As Required	All Temperatures	Monthly or as required if under adverse conditions
Door Locks	Molykote Multipurpose Synthetic Grease P/N 26040124	As Required	All Temperatures	Monthly or as required if under adverse conditions
Door Seals	Molykote Multipurpose Synthetic Grease P/N 26040124	As Required	All Temperatures	Monthly or as required if under adverse conditions
File Cabinet Drawer and HVAC Slides	Clean with WD-40 apply Molykote Multipurpose Synthetic Grease P/N 26040124	As Required	All Temperatures	Bi-annually or as required if under adverse conditions
Ratchet Mechanism	General Purpose Lubricating Oil 10W	As Required	All Temperatures	Monthly or as required if under adverse conditions
Storage Cabinet Door and File Drawers	Damp and Dry Rags	As Required	All Temperatures	Monthly or as Required if under Adverse Conditions
END OF LUBRICATION TABLE 2				

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EXTERIOR INSPECTION

INITIAL SETUP:

Materiel/Parts

None

Personnel Required

One

References

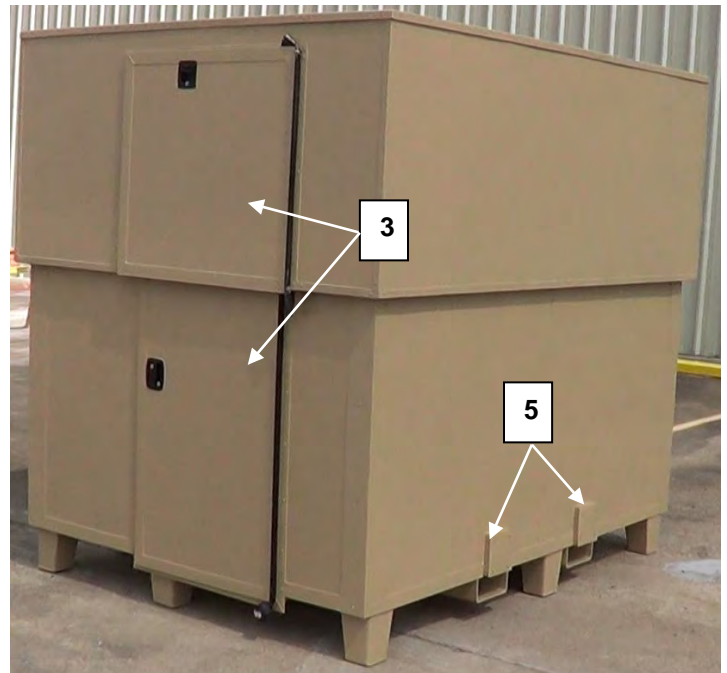
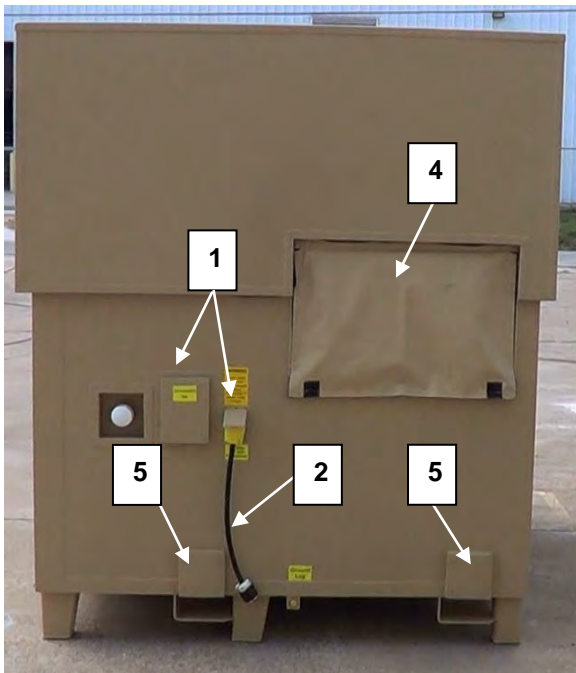
Chapter 2 WP 0008 00

Equipment Condition

Office Module Setup

INSPECT

1. Visually inspect the container exterior for damage. Notify unit maintenance if there is damage.
2. Inspect the power and communication door hinges (1) for damage.
3. Replace power cord (2) if missing or damaged.
4. Notify unit maintenance if doors (3) are damaged.
5. Visually inspect the HVAC cover (4) for damage.
6. Ensure no missing fork pocket bumpers (5).



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INTERIOR INSPECTION

INITIAL SETUP:

Materiel/Parts

Lubricant (review Tables 1 & 2 in WP 0018 00)

Personnel Required

One

References

Chapter 2 WP 0011 00

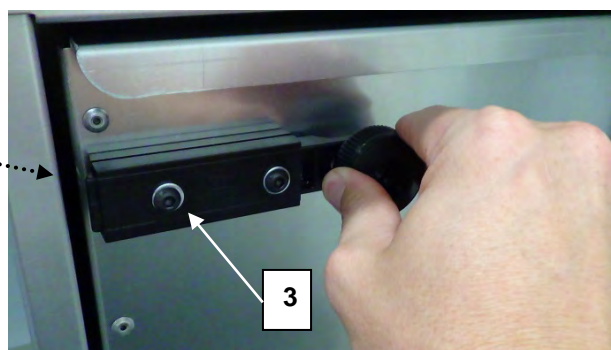
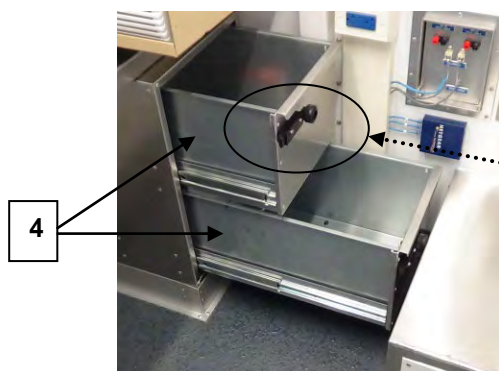
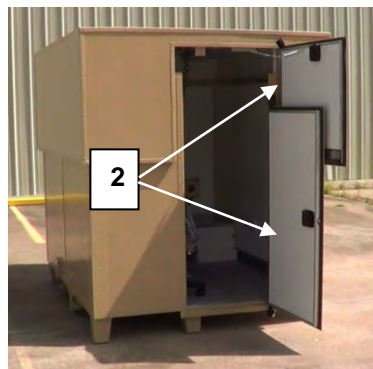
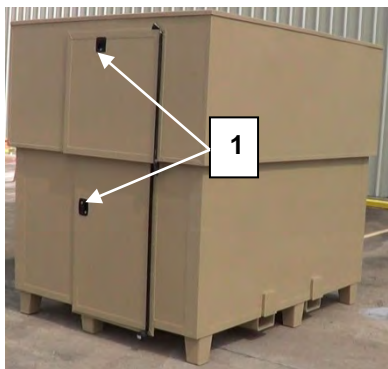
Equipment Condition

Office Module Setup

INSPECT

Door and Drawers

1. Inspect upper and lower door lock sets (1) for smooth operation. Notify unit maintenance of missing, cracked, broken or poorly operating lock sets.
2. Inspect door seals (2) for cut, cracked or missing seals. Notify unit maintenance if damaged.
3. Inspect slam latches (3) on cabinet drawers for smooth movement, spring tension and retention of the drawer in the fully closed position. Notify unit maintenance of any missing or damaged drawer latches.
4. Open and close drawers (4) to ensure proper operation and alignment. Lubricate, repair or replace as needed.



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ELECTRICAL SYSTEM INSPECTION

INITIAL SETUP:**Materiel/Parts**

Power Source Connectors

Personnel Required

Two Operator/Electrician

References

Chapter 2 WP 0010 00

Equipment ConditionOffice Module Setup

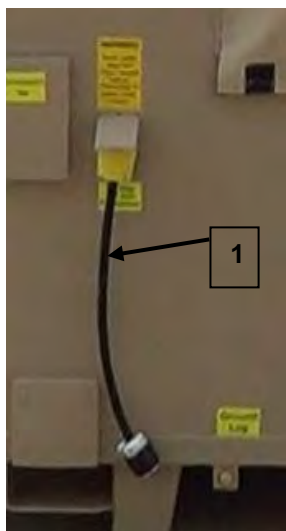
INSPECT**External Electrical Connection**

1. Ensure the external electrical 120VAC (1) connections have been made by a certified electrician and properly connected to the power sources and grounded.

WARNING

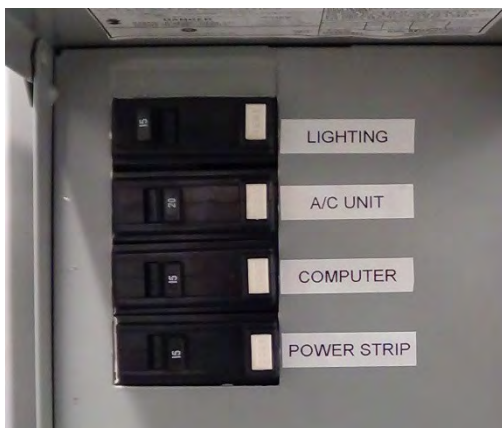


Ensure all circuit breakers and the power source is switched off before making electrical connections. Ensure the proper 120V power cable connectors are installed by a certified electrician Army MOS 21R.



Internal Electrical System

1. When the power sources are connected, enter the container and switch on all the circuit breakers at the rear wall. See Chapter 2 Pages 0010 00-2 to 00-3.



2. Actuate and test the 120 VAC red and white lighting system switches at the door. Ensure the door interrupter switch operates properly. See Chapter 2 Pages 0010 00-5 to 00-6.



3. Actuate the light switch.
4. Detach the velcro on the HVAC vinyl weather cover and push HVAC into extended "out" position.

CAUTION

Ensure that the HVAC has been extended into its out position prior to operating. Failure to do so will cause overheating damage to the unit.

5. Plug the HVAC into its designated outlet and turn on the unit. If the HVAC fails to operate, reactivate the circuit breaker. Refer to Appendix for HVAC operation manual.

END OF WORK PACKAGE