

**CREW MAINTENANCE
PMCS, INCLUDING LUBRICATION INSTRUCTIONS**

INITIAL SETUP:

References

- WP 0010
- WP 0024
- WP 0026
- WP 0028
- WP 0029
- WP 0031
- WP 0032
- WP 0033
- WP 0040
- TM 9-6115-643-10

Table 1. Operator Transport Mode PMCS.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
1	Before	Fuel System	<p>Check fuel tank (Figure 1, Item 1), fuel pump (Figure 1, Item 2), fuel/water separator (Figure 1, Item 3), and fuel hoses (Figure 1, Item 4) for evidence of leakage.</p> <p>Check for adequate supply of fuel (JP-8) in fuel tank as follows:</p> <ol style="list-style-type: none"> 1. Loosen two 1/4-turn fasteners (Figure 1, Item 5) and open refrigeration service access door (Figure 1, Item 6). 2. Position RUN/STOP switch (Figure 1, Item 7) outboard to the RUN position. 3. Release two latches (Figure 1, Item 8) and open door (Figure 1, Item 9) on RU enclosure (Figure 1, Item 10). 4. On RU control panel position FUEL LEVEL switch (Figure 1, Item 11) to ON. 5. Verify fuel level indicator (Figure 1, Item 12) reads adequate fuel level. 6. On RU control panel position FUEL LEVEL switch (Figure 1, Item 11) to OFF. 7. Position RUN/STOP switch (Figure 1, Item 7) inboard to the STOP position. 	<p>Any class II leak is detected.</p> <p>Fuel supply is < 12 gallons (1/4 tank or less).</p>

Table 1. Operator Transport Mode PMCS-Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
			8. Close refrigeration service access door (Figure 1, Item 6) and secure with 1/4 turn fasteners (Figure 1, Item 5). Ensure cap (Figure 1, Item 13) is screwed on tight.	Cap is loose or missing.

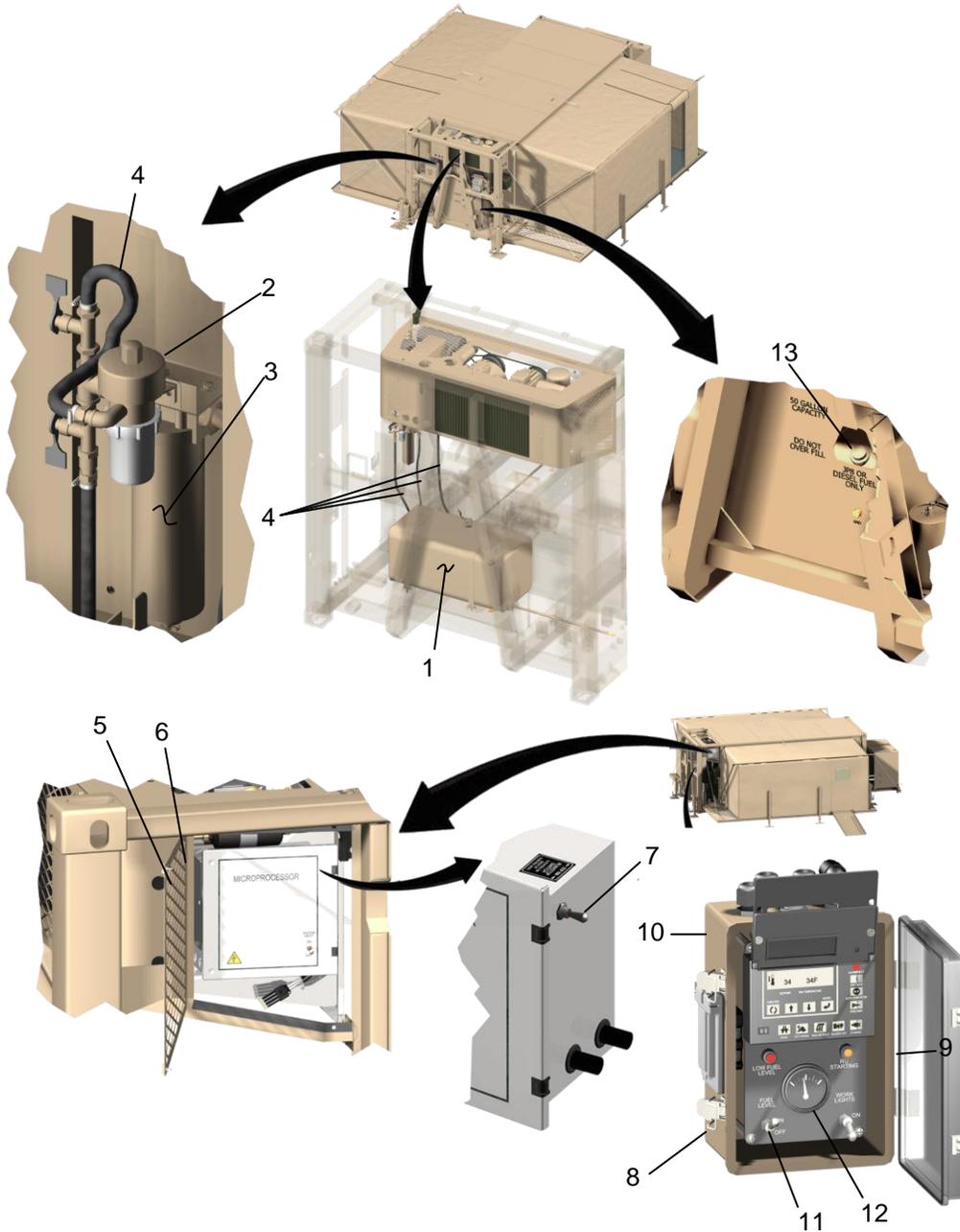


Figure 1. Transport Mode, Before PMCS Item 1.

Table 1. Operator Transport Mode PMCS-Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
2	Before	RU	<p>Check for presence of water in engine fuel/water separator bowl (Figure 2, Item 1).</p> <p>Check engine fuel lines (Figure 2, Item 2) for evidence of leakage.</p> <p>Check coolant level in overflow tank (WP 0028).</p> <p>Check engine and radiator coolant hoses and connections (Figure 2, Item 3) for evidence of leakage.</p> <p>Check engine oil level. (WP 0029).</p> <p>Check engine (Figure 2, Item 4) for evidence of oil leakage.</p> <p>Ensure air cleaner intake (Figure 2, Item 5) is not blocked with debris.</p> <p>Ensure radiator/condenser fins (Figure 2, Item 6) are not bent over or blocked with debris.</p> <p>Ensure engine access door (Figure 2, Item 7) and control box access door (Figure 2, Item 8) are closed and secured.</p> <p>Ensure front grill (Figure 2, Item 9), side panels (Figure 2, Item 10 and 11), and cover (Figure 2, Items 12) are not blocked with debris.</p>	<p>Water is visible in filter bowl.</p> <p>Any class II leak is detected.</p> <p>Coolant level is not visible.</p> <p>Any class II leak is detected.</p> <p>Level is below bottom mark.</p> <p>Any class I leak is detected.</p> <p>Intake is blocked.</p> <p>Fins are bent or blocked.</p> <p>Doors are not closed and secured.</p> <p>Openings are blocked.</p>

Table 1. Operator Transport Mode PMCS-Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
2			<p style="text-align: center;">NOTE</p> <p>There are two exhaust pipe extensions included with the MIRCS. The long extension is used for normal operations. The short extension is only for intermodal transport or transport operations in NATO countries.</p> <p>Unless already completed, install exhaust pipe extension (Figure 2, Item 13 on muffler (Figure 2, Item 14). Ensure flapper is positioned to open rearward.</p>	<p>Extension is not installed or is not properly positioned.</p>

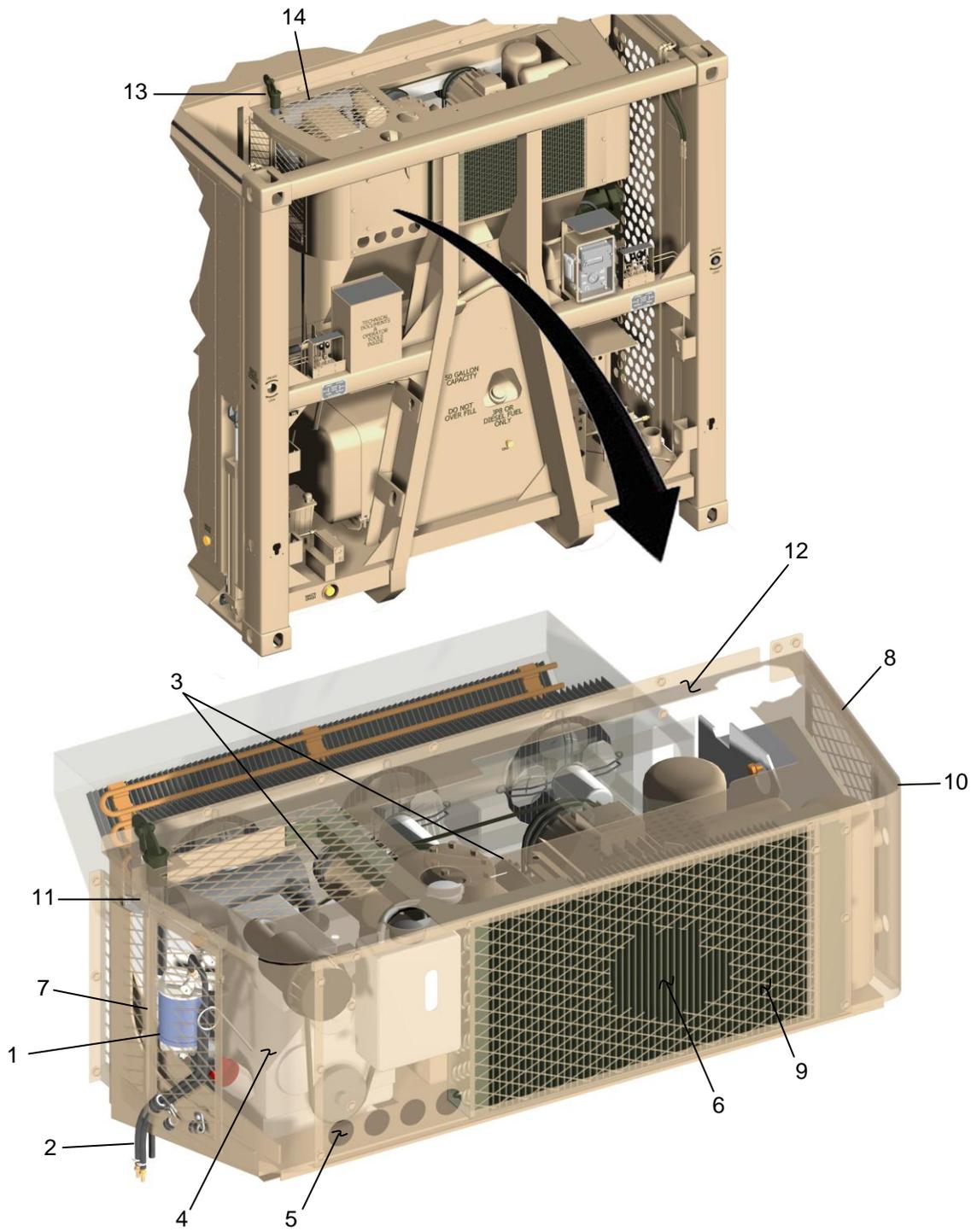


Figure 2. Transport Mode, Before PMCS Item 2.

Table 1. Operator Transport Mode PMCS-Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
3	Before	RU Control Enclosure	Ensure door (Figure 3, Item 1) is closed and secured.	Door is not closed or secured.
4	Before	Battery	Ensure cover (Figure 3, Item 2) is secured to battery box (Figure 3, Item 3) and battery box is secured.	Cover is not installed or cover and box are not secured.
5	Before	2-1/2 Gal Condensate Waste Container	Ensure condensate waste container (Figure 3, Item 4) is empty.	Container is > 1/4 full.
			Ensure waste container is secure and drain hose (Figure 3, Item 5) is attached.	Container is not secured or hose is not connected.
6	Before	Hydraulic System	Check manual pump (Figure 3, Item 6) , reservoir (Figure 3, Item 7), valves (Figure 3, Item 8) , and hydraulic lines (Figure 3, Item 9) for evidence of leakage.	Any class II leak is detected.
			Check cylinders (Figure 3, Item 10) and hydraulic hoses (Figure 3, Item 11) for evidence of leakage.	Any class II leak is detected.
7	Before	Work Platforms	Ensure platforms (Figure 3, Items 12 and 13) are fully stowed and catches (Figure 3, Item 14) are engaged.	Platforms are not completely stowed or catches are not engaged.
			Ensure two side locks (Figure 3, Item 15) are fully engaged in each platform.	Side locks are not fully engaged.
8	Before	Ramps	Ensure ramp sections (Figure 3, Item 16) are secured to ISO frame (Figure 3, Item 17) and support (Figure 3, Item 18) and QC pins (Figure 3, Item 19) are installed.	Ramps are not properly secured or pins are not installed.
9	Before	Generator Supports	Ensure generator supports (Figure 3, Item 20) are secured to ISO frame (Figure 3, Item 21) and QC pins (Figure 3, Item 22) are installed.	Supports are not properly secured or pins are not installed.

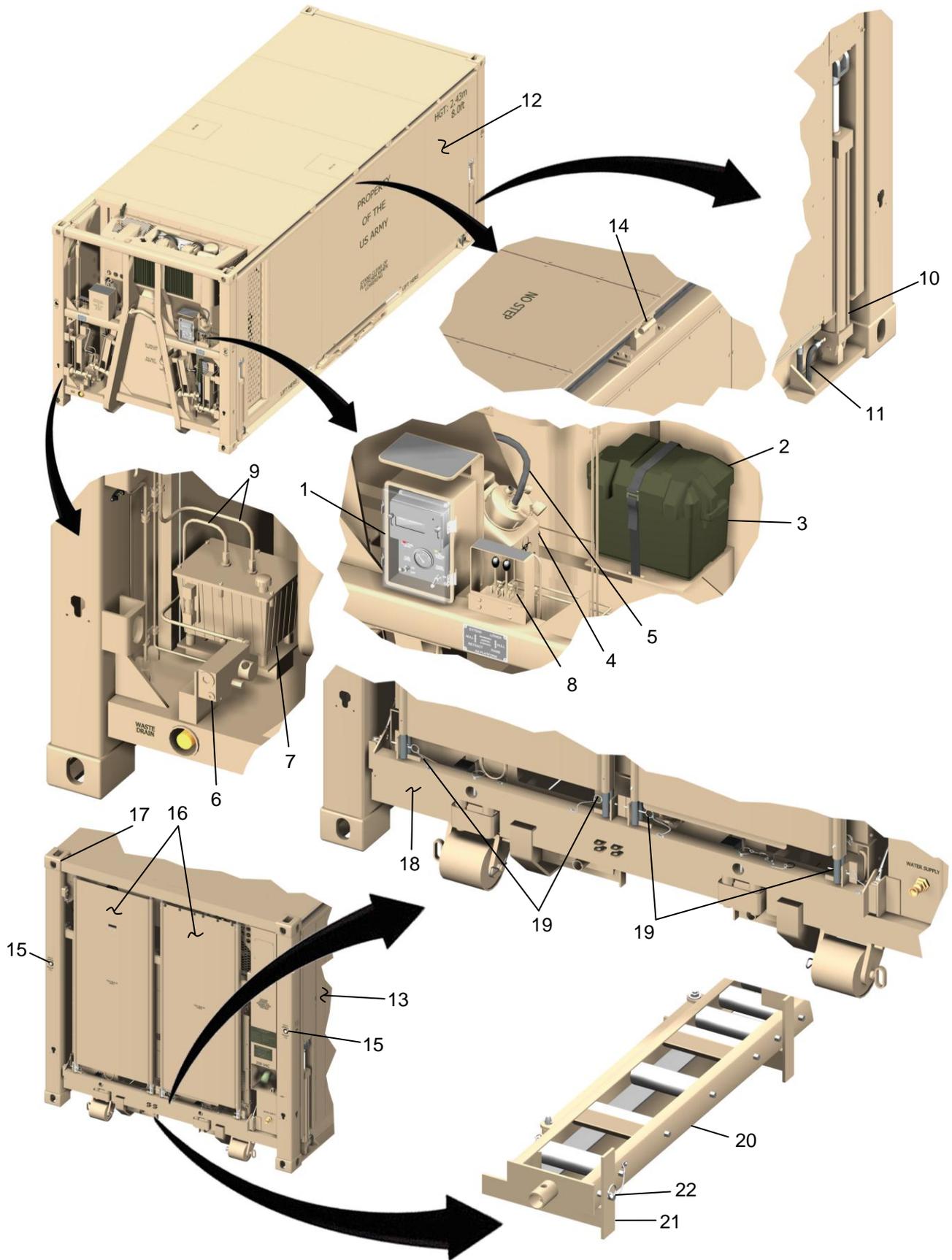


Figure 3. Transport Mode, Before PMCS Items 3 through 9.

Table 1. Operator Transport Mode PMCS-Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
10	During (At Start-up)	RU	Audibly check operation of engine (Figure 4, Item 1) for abnormal sounds or vibrations. Check for evidence of coolant, fuel, or oil leakage. Ensure temperature reading on control panel (Figure 4, Item 2) is changing and is moving towards selected temperature.	Abnormal sounds or vibrations are heard. Any class II leak is detected. Air temperature in RSU is not moving towards selected temperature.
11	After	RU	Check for evidence of coolant, fuel, or oil leakage.	Any class II leak is detected.
12	Daily	Condensate Waste Container	Check level in condensate waste container (Figure 4, Item 3) empty as necessary.	Container is > 3/4 full.

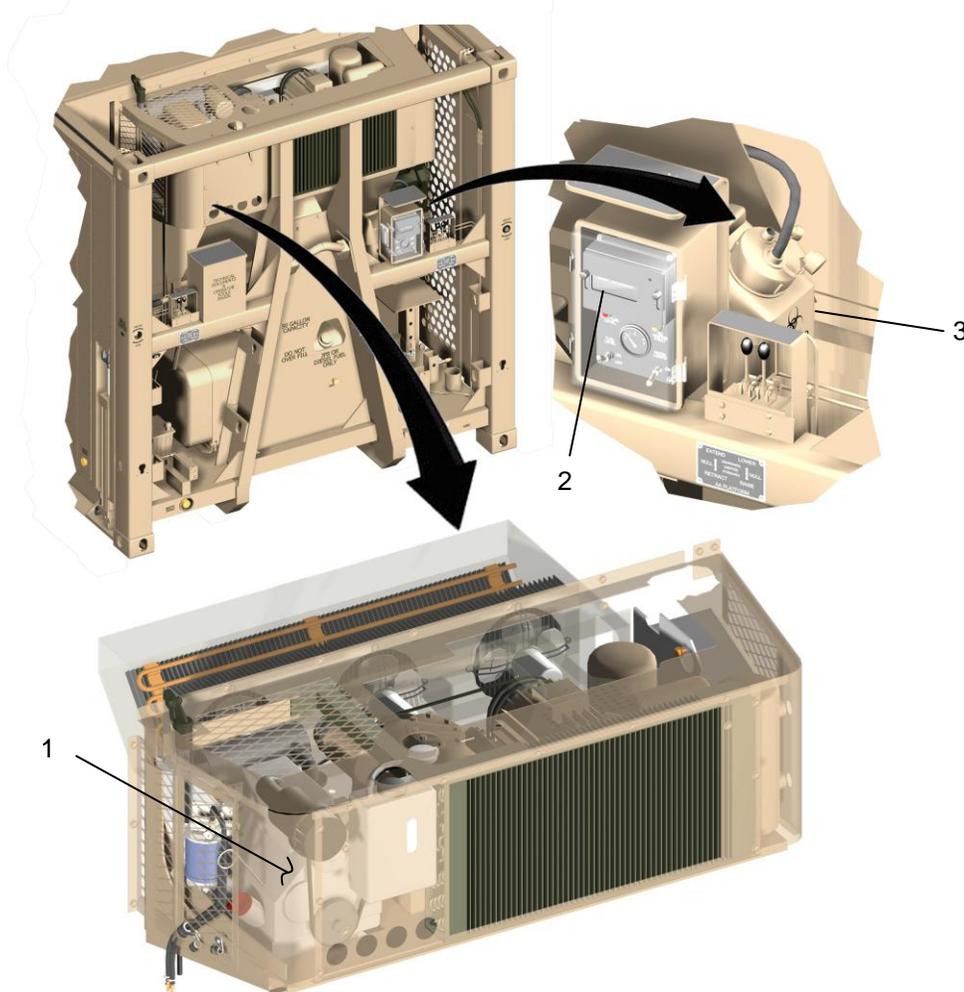


Figure 4. Transport Mode, During, After and Daily PMCS.

Table 2. Ground Mode Before PMCS.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
1	Before	Fuel System	Refer to Before Transport, Item 1.	Refer to Before Transport, Item 1.
2	Before	RU	Refer to Before Transport, Item 2.	Refer to Before Transport, Item 2.
3	Before	Battery	Refer to Before Transport, Item 4.	Refer to Before Transport, Item 4.
4	Before	2-1/2 Gal Condensate Waste Container	Refer to Before Transport, Item 5.	Refer to Before Transport, Item 5.
5	Before	Waste Plumbing	Ensure waste containers (Figure 5, Item 1) are empty and secure. Check drain hoses (Figure 5, Item 2) for proper connections at waste ports (Figure 5, Item 3) and waste containers. Ensure manual valves (Figure 5, Item 4) are open, vent caps (Figure 5, Item 5) are removed and full indicators (Figure 5, Item 6) are installed.	Containers have > 1 gallon of waste. Hoses are not connected. Manual valves are closed, caps are not removed and full indicators are not installed.
6	Before	On-Board Generator or Electrical Supply	Ensure generator (Figure 5, Item 7) is fully deployed and is secured to support (Figure 5, Item 8) with strap (Figure 5, Item 9) and QC pin (Figure 5, Item 10). Ensure fuel hose (Figure 5, Item 11) is not damaged and is connected at supply port (Figure 5, Item 12) and generator fuel tank (Figure 5, Item 13). Check fuel hose (Figure 5, Item 11) and connections for evidence of leakage. Check pigtail (Figure 5, Item 14) or power cable (Figure 5, Item 15) for damage and proper connection at source and main connector (Figure 5, Item 16).	Generator is not pulled out all the way or is not strapped and pinned to support. Hose is damaged or not connected. Any class II leak is detected. Pigtail or power cable is damaged or not connected.

Table 2. Ground Mode Before PMCS-Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
		On-Board Generator or Electrical Supply	<p>Check ground wire (Figure 5, Item 17) for proper connection at ISO frame (Figure 5, Item 18) and ground rod (Figure 5, Item 19).</p> <p>Ensure external electrical power is available. If power is to be supplied by on-board generator ensure all PMCS has been done per TM 9-6115-643-10.</p>	<p>Ground wire is not properly connected.</p> <p>External power or generator is not available.</p>

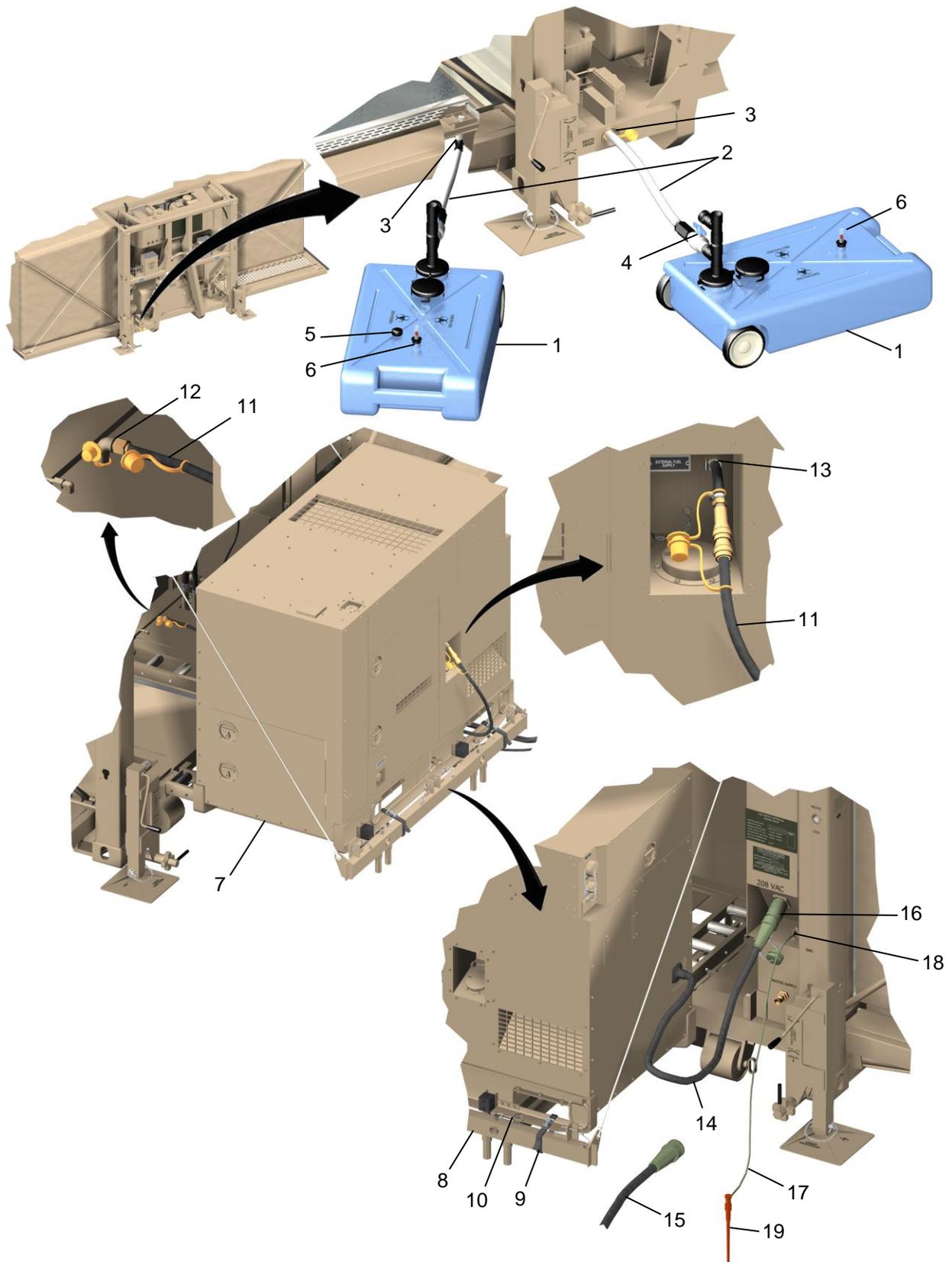


Figure 5. Ground Mode, Before PMCS Items 1 through 6.

Table 2. Ground Mode Before PMCS-Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
7	Before	Water Supply	<p>Ensure manual drain valves (Figure 6, Item 1) are closed.</p> <p>Ensure supply hoses (Figure 6, Item 2) are not damaged and are connected at supply port (Figure 6, Item 3) external water pump (Figure 6, Item 4) and water source (Figure 6, Item 5).</p> <p>Ensure external water pump (Figure 6, Item 4) is not damaged, valve (Figure 6, Item 6) is closed and cap (Figure 6, Item 7) is installed.</p> <p>Ensure electrical cable (Figure 6, Item 8) is not damaged and is properly connected at external water pump (Figure 6, Item 4) and ECU enclosure (Figure 6, Item 9).</p> <p>Check for adequate supply of water in external container.</p>	<p>Manual valves are open.</p> <p>Supply hoses are damaged or not connected.</p> <p>Pump is damaged, valve is open, or cap is not installed.</p> <p>Cable is damaged or not properly connected.</p> <p>Water supply is < 50 gallons.</p>
8	Before	ECU	<p>Ensure condenser air inlet (Figure 6, Item 10) and outlet (Figure 6, Item 11) screens are not blocked with debris.</p>	<p>Screens are blocked.</p>
9	Before	ECU Exhaust Duct	<p>Ensure exhaust duct screen (Figure 6, Item 12) is not blocked with debris.</p>	<p>Screen is blocked.</p>
10	Before	ECU Inlet Filter	<p>Ensure inlet filter (Figure 6, Item 13) is not blocked with debris and is strapped to platform (Figure 6, Item 14).</p>	<p>Filter is blocked or is not strapped.</p>

Table 2. Ground Mode Before PMCS-Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
11	Before	ECU Outside Air Duct	<p>Ensure inlet air duct (Figure 6, Item 15) is properly connected and clamped to inlet filter and ECU inlet port (Figure 6, Item 16).</p> <p>Ensure inlet duct is properly secured with straps (Figure 6, Item 17) to ISO frame (Figure 6, Item 18).</p>	<p>Duct is not connected and clamped.</p> <p>Duct is not secured and strapped.</p>

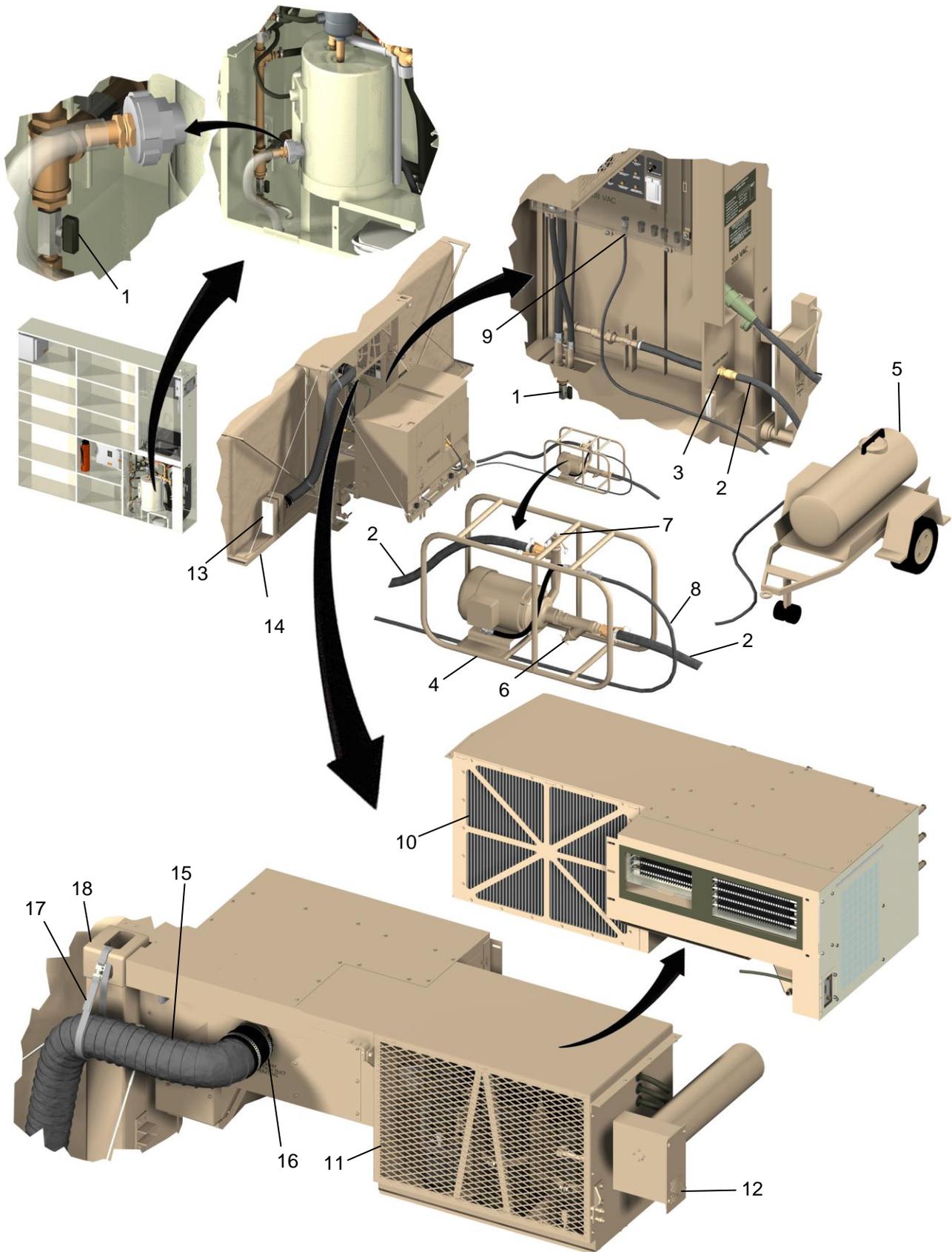


Figure 6. Ground Mode, Before PMCS Items 7 through 11.

Table 2. Ground Mode Before PMCS-Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
12	Before	ISO Frame	Check bubble levels (Figure 7, Item 1) to ensure ISO frame (Figure 7, Item 2) is level.	ISO frame is not level.
13	Before	Leveling Jacks	Ensure leveling jacks (Figure 7, Item 3) are engaged with corner fittings (Figure 7, Item 4) and key holes (Figure 7, Item 5).	Jacks are not straight and engaged with ISO frame.
14	Before	PA Platform	Ensure supports (Figure 7, Item 6) are secured to platform (Figure 7, Item 7) and are or close to contacting the ground.	Supports are loose and are not close to or touching ground.
15	Before	AA Platform	Ensure supports (Figure 7, Item 8) are secured to platform (Figure 7, Item 9) and are or close to contacting the ground.	Supports are loose and are not close to or touching ground.
16	Before	Ramp	Ensure top ramp section (Figure 7, Item 10) is secured to platform (Figure 7, Item 11) and threshold (Figure 7, Item 12) is in place.	Ramp is not secured or threshold is not in place.
			Ensure mortises (Figure 7, Item 13) and tenons (Figure 7, Item 14) on all ramp sections used are fully seated into each other and QC pins (Figure 7, Item 15) are installed.	Ramp sections are not properly connected to each other.
17	Before	Temporary Remains Holding Shelter	Ensure stakes (Figure 7, Item 16) are fully inserted into ground.	Stakes are sticking up.
			Ensure guy ropes (Figure 7, Item 17) are tight.	Guy ropes are loose.

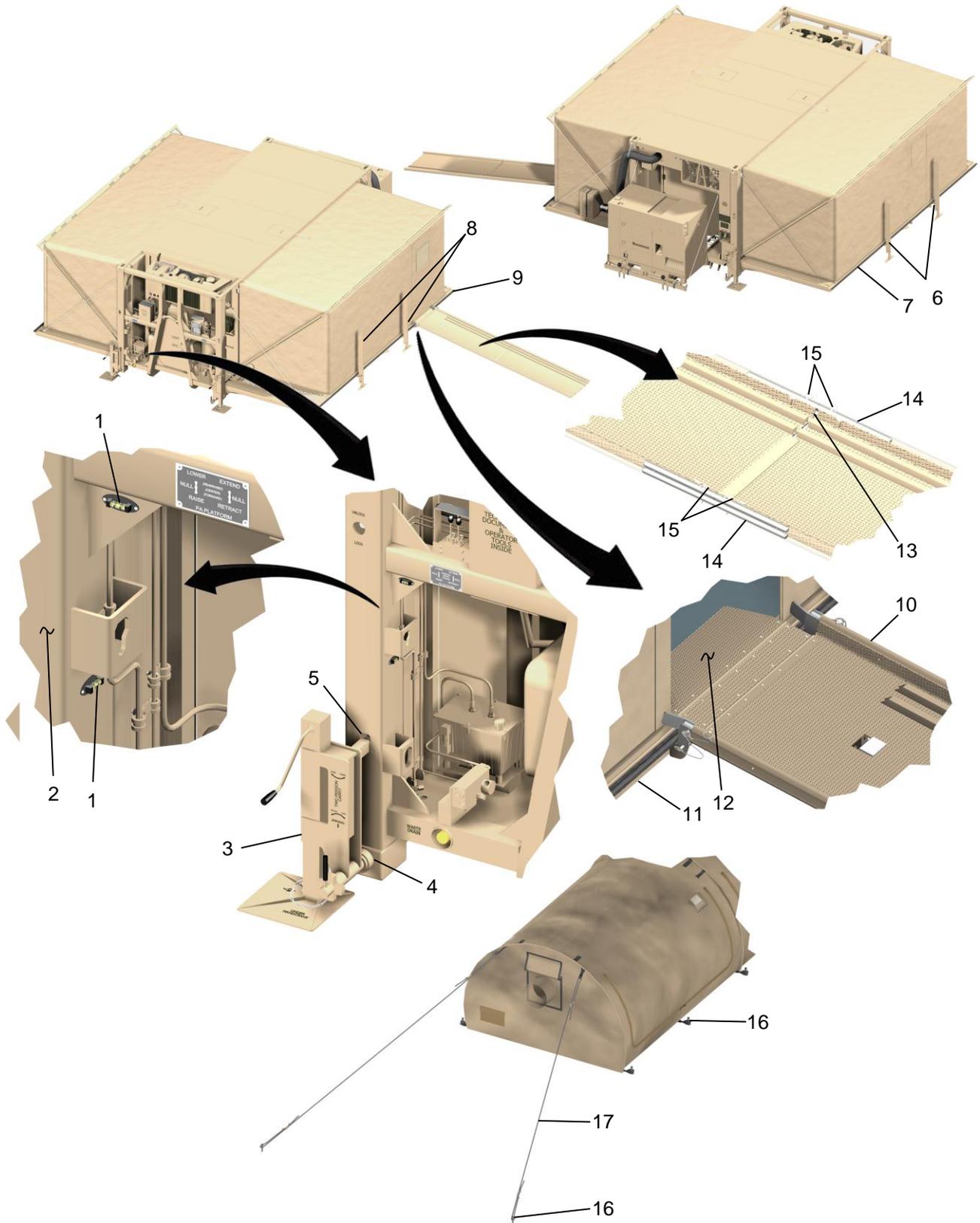


Figure 7. Ground Mode, Before PMCS Items 12 through 17.

Table 3. Ground Mode During PMCS.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
1	During (At Start-up or Shift Change)	RU	<p>Audibly check operation of engine (Figure 8, Item 1) or standby motor (Figure 8, Item 2) for abnormal sounds or vibrations.</p> <p>Check for evidence of coolant, fuel, or oil leakage.</p> <p>Ensure temperature reading on RU cover panel (Figure 8, Item 3) is changing and is moving towards or is at selected temperature.</p>	<p>Abnormal sounds or vibrations are heard.</p> <p>Any class II leak is detected.</p> <p>Air temperature in RSU is not moving towards or at selected temperature.</p>
2	During (At Start-up or Shift Change)	ECU	<p>Audibly check operation of ECU (Figure 8, Item 4) for abnormal sounds or vibrations.</p> <p>Ensure temperature reading on thermostat (Figure 8, Item 5) is moving towards or is at selected temperatures.</p>	<p>Abnormal sounds or vibrations are heard.</p> <p>AA and PA air temperatures are not moving towards or at selected temperature.</p>
3	During (At Start-up or Shift Change)	Fuel Hose	<p>Check for evidence of fuel leakage on generator fuel supply hose (Figure 8, Item 6).</p>	<p>Any class II leak is detected.</p>

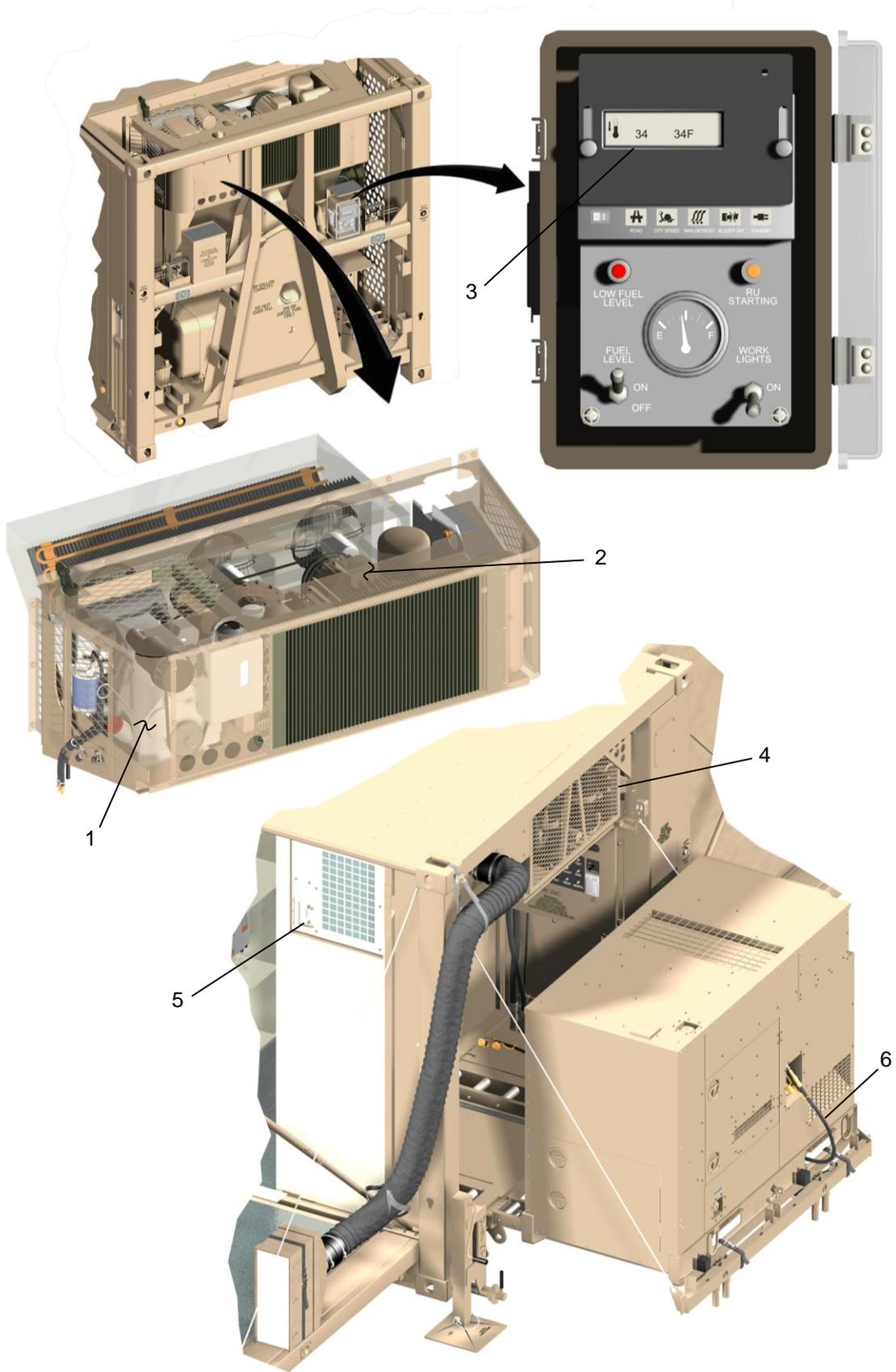


Figure 8. Ground Mode, During PMCS Items 1 through 3.

Table 3. Ground Mode During PMCS-Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
4	During	AA Soft Wall	<p>Ensure zippers (Figure 9, Item 1) on end walls (Figure 9, Item 2) are closed and inner flap (Figure 9, Item 3) completely covers each zipper.</p> <p>Ensure window (Figure 9, Item 4) is closed and outer flap (Figure 9, Item 5) completely covers window opening.</p> <p>Ensure partition wall (Figure 9, Item 6) is sandwiched between layers of soft wall (Figure 9, Item 7) and secured to inner wall (Figure 9, Item 8).</p> <p>Ensure ventilation screens (Figure 9, Item 9) are clear and not blocked with debris.</p> <p>Check partition curtain door (Figure 9, Item 10) for proper travel.</p> <p>Ensure support rods (Figure 9, Item 11) are properly seated in receptacles (Figure 9, Item 12) and are secured with straps (Figure 9, Item 13).</p>	<p>End walls are not closed and zippers are not covered.</p> <p>Window is open or not covered.</p> <p>Partition is not secured to inner wall or soft wall.</p> <p>Screens are blocked.</p> <p>Curtain cannot be open or closed.</p> <p>Rods are not seated or secured.</p>
5	During	Supply Area Curtain Door	<p>Ensure curtain track (Figure 9, Item 14) is secured to frame (Figure 9, Item 15).</p> <p>Check curtain door (Figure 9, Item 16) for proper travel in both directions.</p>	<p>Track is not pinned to frame.</p> <p>Curtain cannot be slid open or closed.</p>
6	During	Administrative Area	<p>Ensure ventilation grilles (Figure 9, Item 17) are not blocked with debris.</p> <p>Ensure light cables (Figure 9, Item 18) and power cords are routed in manner that will not obstruct movement or create a trip hazard.</p>	<p>Grilles are blocked.</p> <p>Cables or cords obstruct free movement.</p>

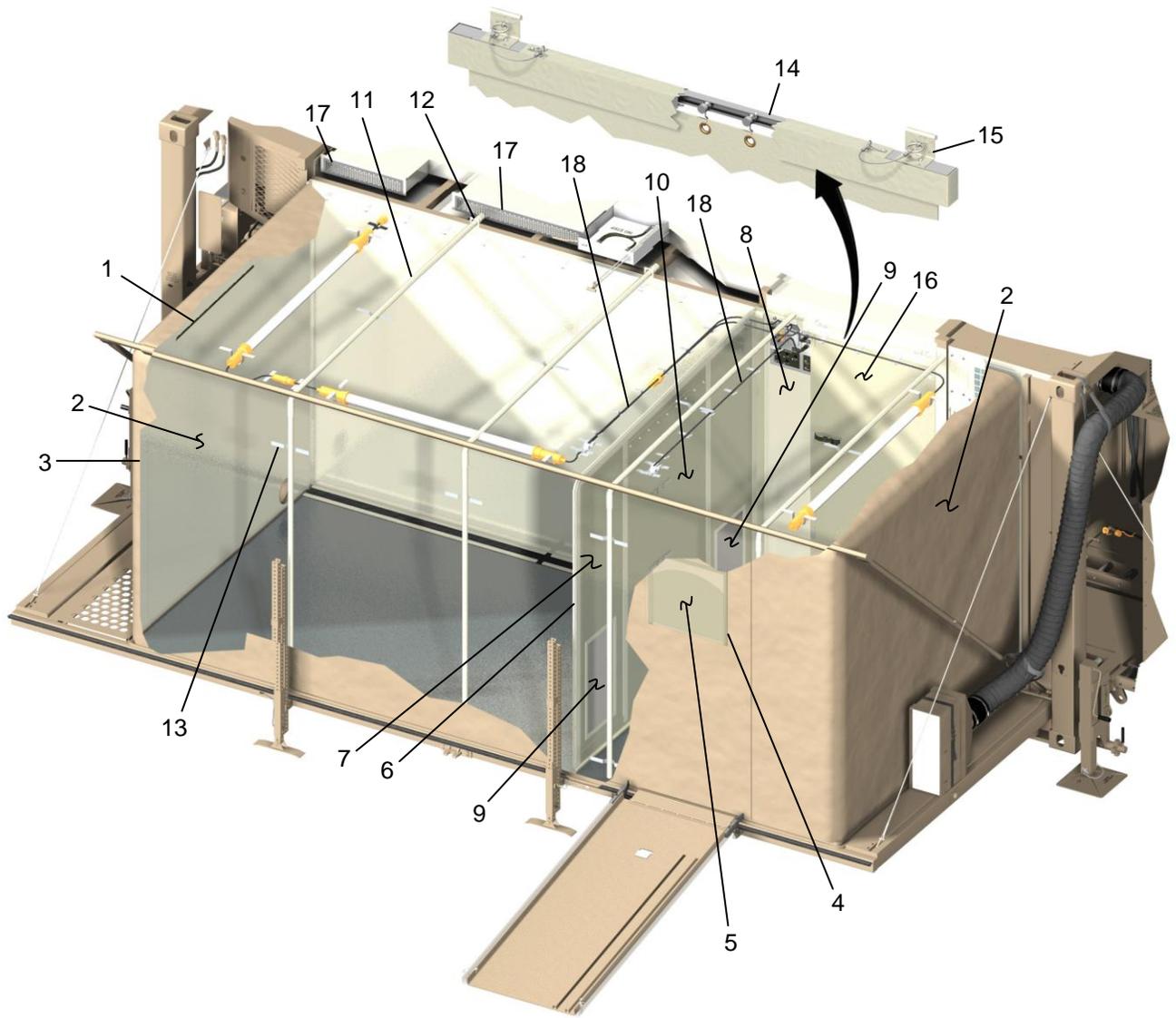


Figure 9. Ground Mode, During PMCS Items 4 through 6.

Table 3. Ground Mode During PMCS-Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
7	During	Water Plumbing	<p>Ensure manual valve (Figure 10, Item 1) on water piping (Figure 10, Item 2) is closed.</p> <p>Ensure drain valve (Figure 10, Item 3) on water heater (Figure 10, Item 4) is closed (turned fully clockwise).</p> <p>Ensure hot and cold levers (Figure 10, Item 5) on sink faucet are closed.</p> <p>Ensure lever (Figure 10, Item 6) on utility faucet is closed.</p>	<p>Manual valve are open.</p> <p>Drain valve is open.</p> <p>Levers are open.</p> <p>Lever is open.</p>
8	During	Soap Dispenser	<p>Check for adequate supply of soap in dispenser (Figure 10, Item 7).</p>	<p>Soap dispenser is out of soap.</p>
9	During	MA Supplies	<p>Check for adequate stock of MA supplies per WP 0040.</p>	<p>Supplies are not available to support at least 16 processing operations.</p>
10	During	Fire Extinguisher	<p>Inspect fire extinguisher (Figure 10, Item 8) for any obvious damage. Check indicator (Figure 10, Item 9) for correct charge level. Verify expiration date on tag (Figure 10, Item 10).</p>	<p>Damage is found, charge is low, or tag has expired.</p>

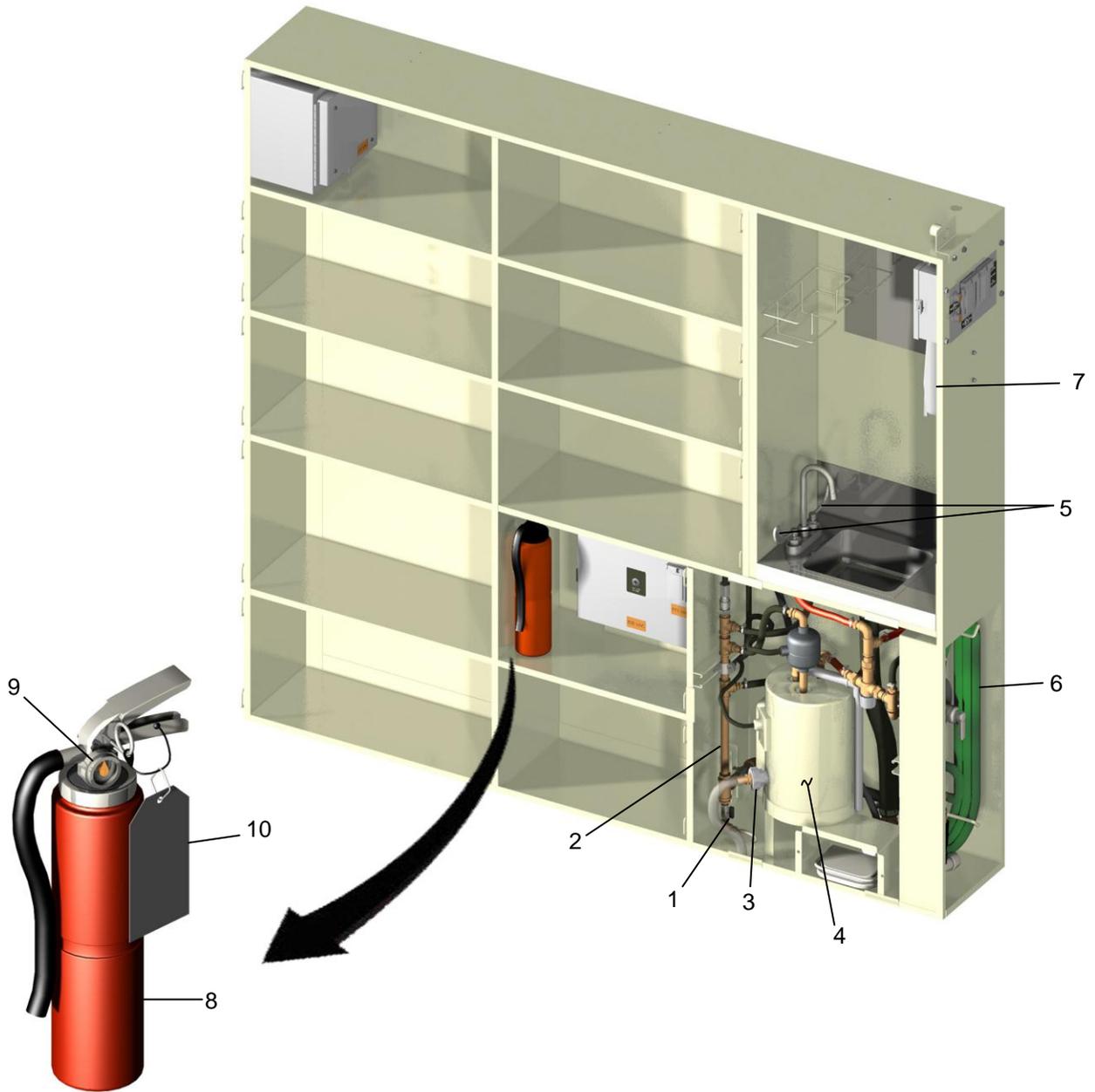


Figure 10. Ground Mode, During PMCS Items 7 through 10.

Table 3. Ground Mode During PMCS-Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
11	During	Exhaust Grille	Ensure exhaust grille (Figure 11, Item 1) is not blocked with debris.	Grille is blocked.
12	During	PA Soft Wall	Ensure zippers (Figure 11, Item 2) on end walls (Figure 11, Item 3) and emergency door (Figure 11, Item 4) are closed and inner flap (Figure 11, Item 5) completely covers each zipper. Ensure window (Figure 11, Item 6) is closed and outer flap (Figure 11, Item 7) completely covers window opening.	End walls or door are not closed and zippers are not covered. Window is open or not covered.
13	During	Processing Area	Ensure support rods (Figure 11, Item 8) are properly seated in retainers (Figure 11, Item 9) and secured with straps (Figure 11, Item 10). Ensure ventilation grilles (Figure 11, Item 11) are not blocked with debris. Ensure light cables and power cords (Figure 11, Item 12) are routed in manner that will not obstruct movement or create a trip hazard.	Rods are not fully inserted into retainers or secured. Grilles are blocked. Cables or cords obstruct free movement.
14	During	Waste Drain	Ensure utility hose (Figure 11, Item 13) is rolled-up and not creating a trip hazard. Ensure trough (Figure 11, Item 14) is clear to allow waste flow to drain port.	Hose are not rolled-up and stowed. Trough or waste port are blocked with debris.
15	During	RSU Doors	Ensure doors (Figure 11, Item 15) are closed and latches (Figure 11, Item 16) are engaged.	Doors are not closed and latched.

Table 3. Ground Mode During PMCS-Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
16	During	Mobile Processing Platforms (MPP)	<p>Check cylinders (Figure 11, Item 17) and hydraulic hoses (Figure 11, Item 18) for evidence of leakage.</p> <p>Check that MPP moves up and down.</p> <p>Check reservoir level (Figure 11, Item 19).</p> <p>Check wheel brakes (Figure 11, Item 20).</p>	<p>Any class II leak is detected.</p> <p>MPP does not move up and down.</p> <p>Reservoir level is low.</p> <p>Wheel brakes do not work.</p>

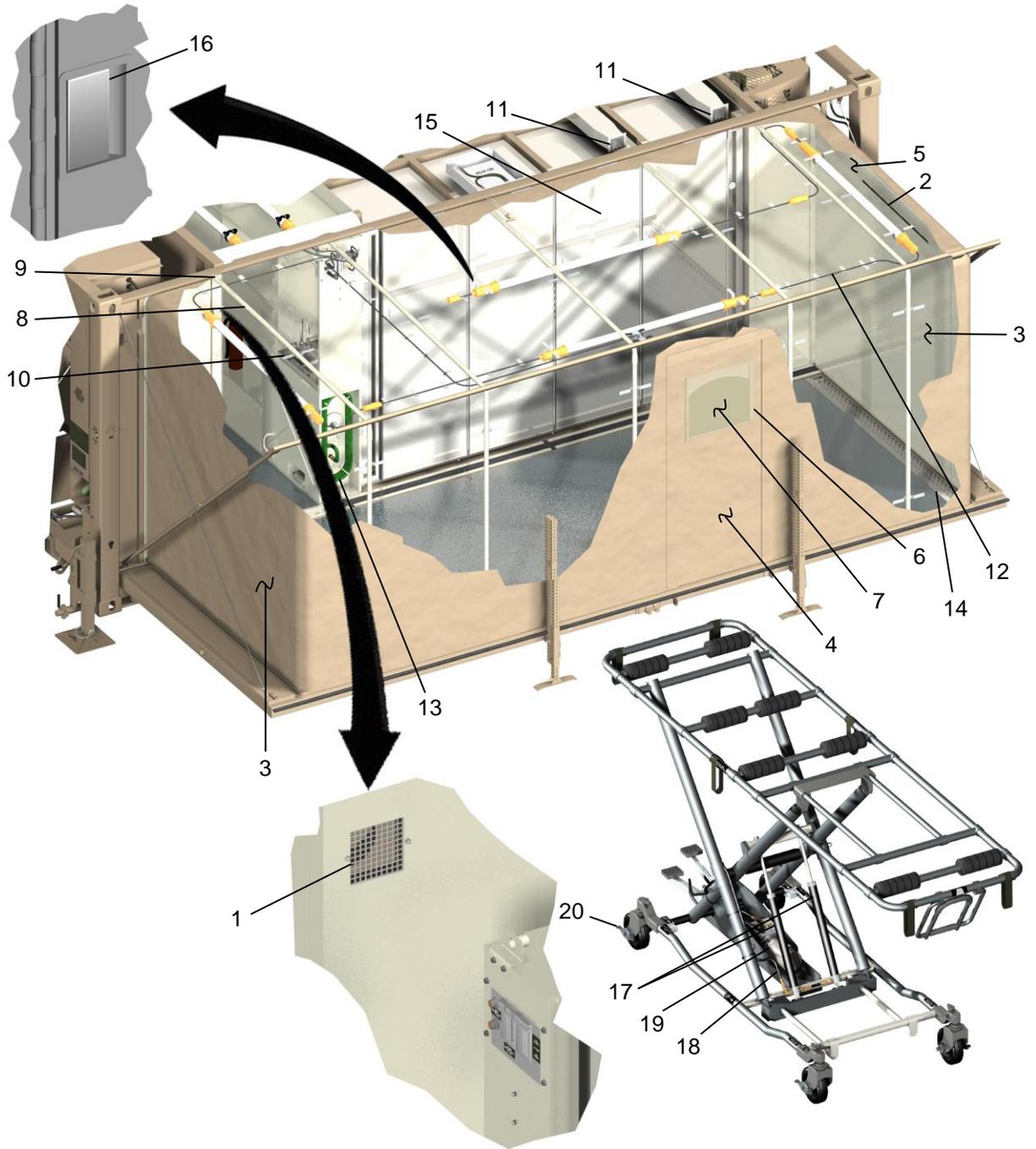


Figure 11. Ground Mode, During PMCS Items 11 through 16.

Table 3. Ground Mode During PMCS-Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
17	During (Every four processing operations)	Waste Containers	Ensure waste containers (Figure 12, Item 1) are not full. Change out full for empty containers as required (WP 0010).	Containers have > 1 gallon of waste.
18	During (At Shift Change)	Fuel Supply	Check for adequate supply of fuel (JP-8) in fuel tank (Figure 12, Item 2). Refer to Before Transport, Item 1.	Fuel supply is < 10 gallons (1/4 tank or less).
19	During (At Shift Change)	Water Supply	Check for adequate supply of water in external container (Figure 12, Item 3).	Water supply is < 50 gallons.
20	During (At Shift Change)	Administrative and Vestibule Area	Police work space. Check that lights work (Figure 12, Item 4).	Area has trash or is dirty. Lights don't work.
21	During (At Shift Change)	Processing Area	Sanitize work area (WP 0026). Check that lights work (Figure 12, Item 5).	Area is not sanitized. Lights don't work.
22	During (At Shift Change)	Supply Area	Sanitize sink area (WP 0026).	Area is not sanitized.
		Soap Dispenser	Check for adequate supply of soap in dispenser (Figure 12, Item 6).	Soap dispenser is out of soap.
23	During (At Shift Change)	MA Supplies	Check for adequate stock of MA supplies per WP 0040.	Supplies are not available to support at least 16 processing operations.
24	After	MIRCS System	Perform DURING PMCS items 1-11.	

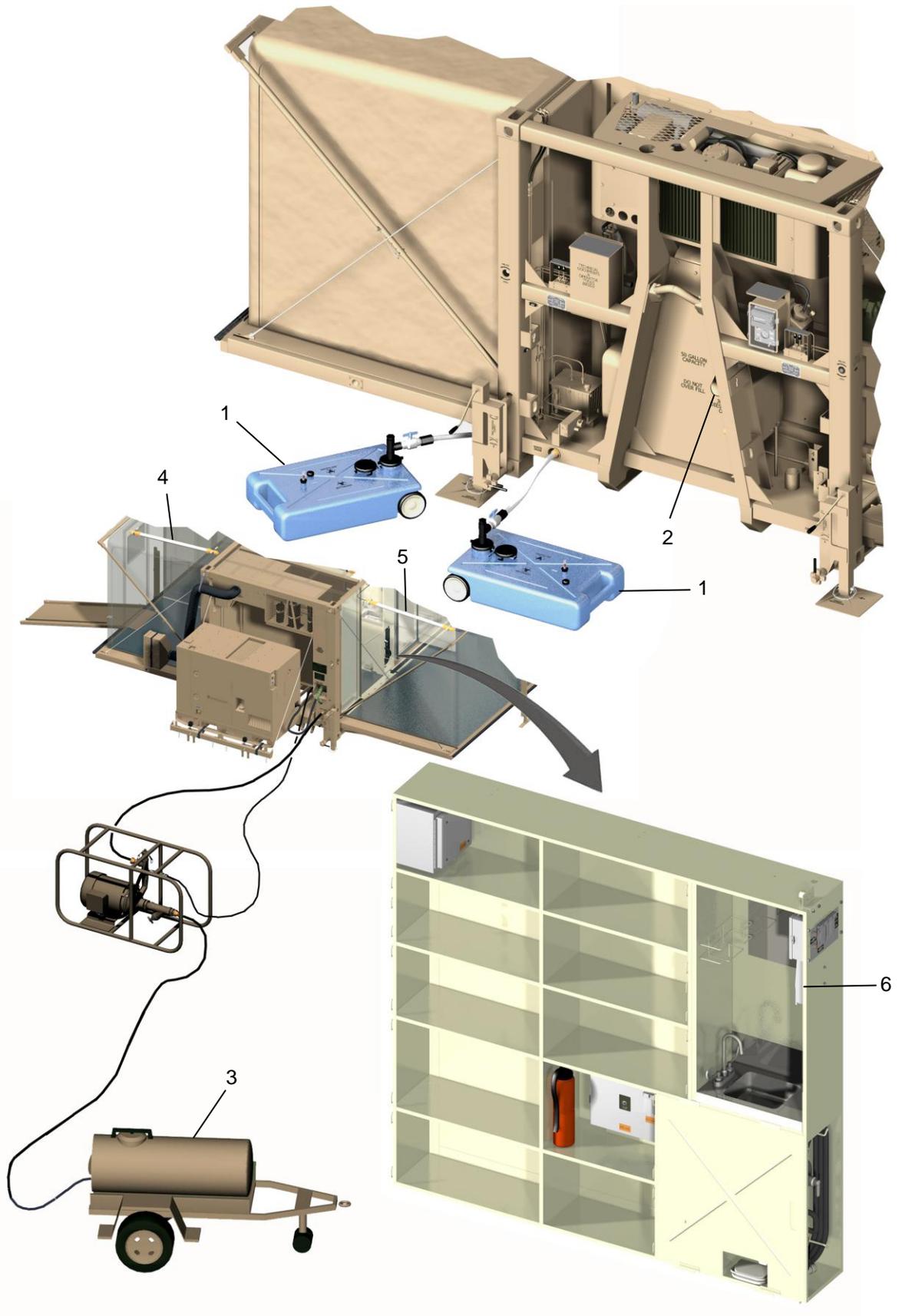


Figure 12. Ground Mode, During PMCS Items 17 through 24.

Table 4. Operator PMCS, Other Intervals.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
1	Daily	Condensate Waste Container	Check level in condensate waste container (Figure 13, Item 1) empty as necessary.	Container is > 3/4 full.
2	Monthly or Post - Deployment	GFCI Receptacles	With system electrical power applied and all MA enclosure light switches ON perform the following: At each GFCI receptacle (Figure 13, Item 2) press the test button (Figure 13, Item 3). Plug in a known good light (Figure 13, Item 4). Light should be off. Press the reset button (Figure 13, Item 5). Ensure light comes on.	Receptacles do not trip or reset when tested.
3	Monthly or Post - Deployment	ECU Inlet Filter	Clean roughing filter (WP 0032).	Filter is not clean.
4	Quarterly or Post - Deployment	ECU Inlet Filter	Replace pleated filter (WP 0033).	Filter is not clean.

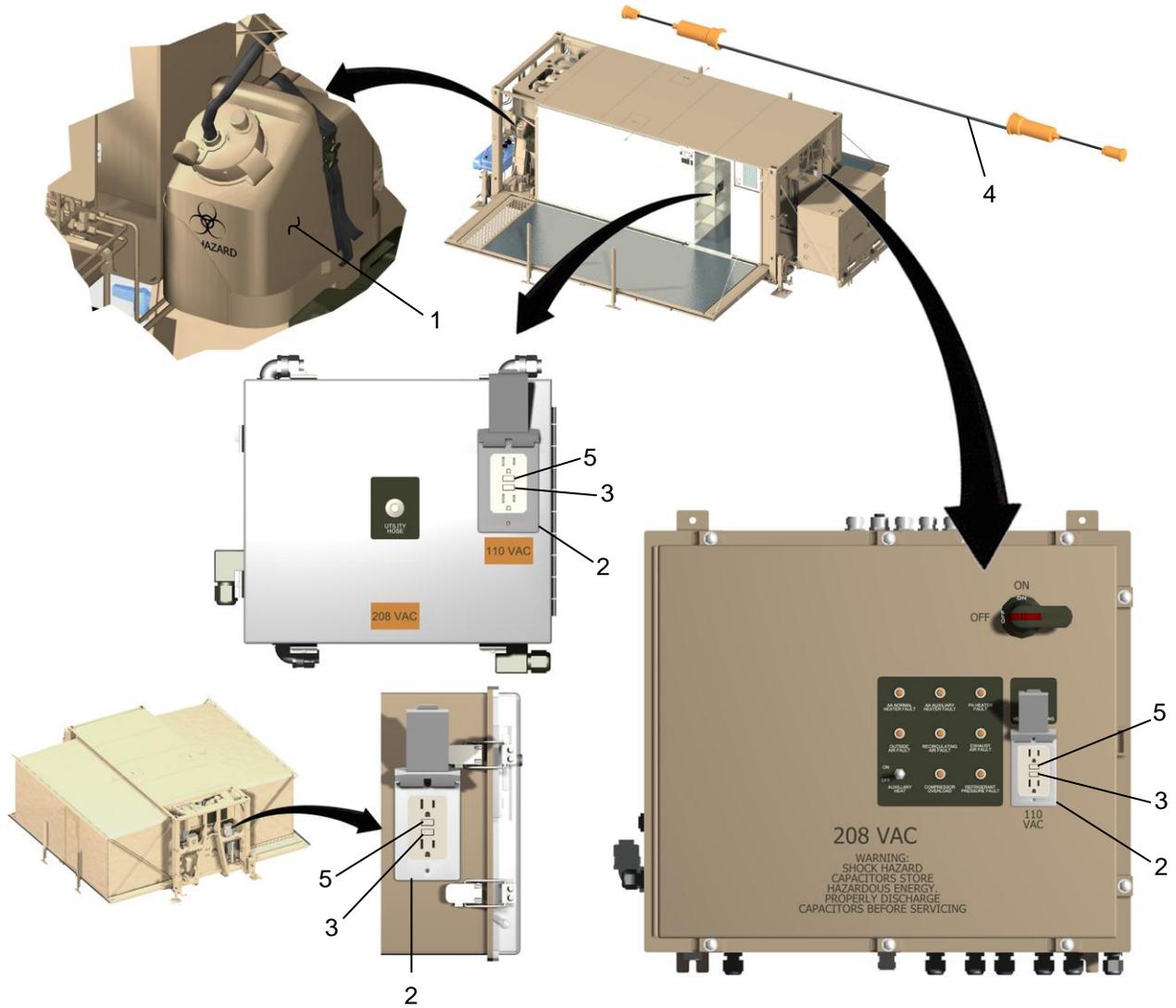


Figure 13. Daily/Monthly/Quarterly PMCS.

Table 4. Operator PMCS, Other Intervals-Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
5	Semi-Annually or Post-Deployment	ECU Re-circulating Filter	Replace pleated filter (WP 0031).	Filter is not clean.
6	Annually or Post - Deployment	Grounding Lug	Lubricate grounding lug (WP 0024).	Not lubricated.
7	Annually or Post - Deployment	Work Platforms	Inspect exterior wall (Figure 14, Item 1) for cracks and holes. Ensure panels (Figure 14, Item 2) are not loose. Inspect seals at top (Figure 14, Item 3) and bottom edges (Figure 14, Item 4) for cut or tears.	Wall surfaces are damaged or panels are loose. Seals are damaged.
8	Annually or Post - Deployment	Platform Support Legs	Inspect leg attaching points (Figure 14, Item 5) for cracked welds and damage. Check for damaged or missing QC pins (Figure 14, Item 6). Ensure lanyards (Figure 14, Item 7) are not damaged and are secured to platform. Inspect feet (Figure 14, Item 8) for damage. Ensure feet pivot but are not loose.	Attaching points have cracked welds, or damage. Pins or lanyards are missing or damaged. Feet are damaged, do not pivot, or are loose.

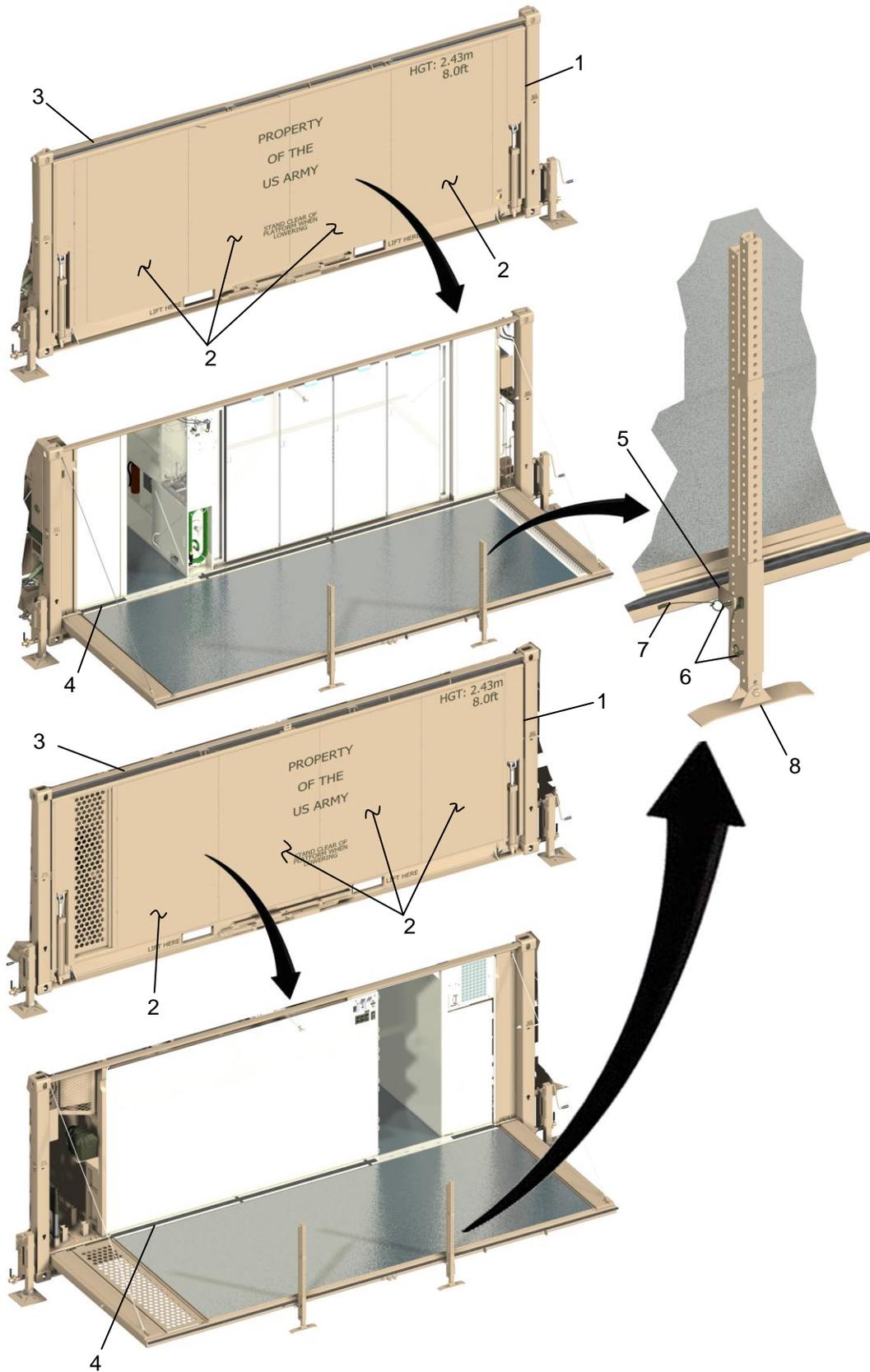


Figure 14. Semi Annual and Annual PMCS Items 5 through 8.

Table 4. Operator PMCS, Other Intervals-Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
9	Annually or Post - Deployment	Platform Side Locks	Lubricate side locks (WP 0024). Ensure locks (Figure 15, Item 1) thread in and out without binding.	Not lubricated. Locks bind-up during movement.
10	Annually or Post - Deployment	Soft wall support structure	Ensure support tubes (Figure 15, Item 2) are not bent. Inspect for cracked welds at ends of tubes. Check security of tubes to each other and at ISO frame. Inspect cables (Figure 15, Item 3) for kinks or fraying. Ensure protective covering is not cut or split. Ensure cables connections (Figure 15, Item 4) are secure. Inspect support rods. Ensure rods (Figure 15, Items 5 and 6) are not bent or cracked. Ensure front rods (Figure 15, Item 5) slide into top rods (Figure 15, Item 6). Ensure feet (Figure 15, Item 7) are not loose or damaged.	Tubes are bent or loose, cracked welds are found. Cables are kinked or frayed, covering or connections and are not fastened securely. Support rods are bent or cracked. Rod sections do not fit into each other or feet are loose or damaged.
11	Annually or Post - Deployment	Soft Walls	Inspect fabric and webbing (Figure 15, Item 8) for holes and tears. Ensure loop strips (Figure 15, Item 9) and straps (Figure 15, Item 10) are not loose or torn. Inspect for torn or damaged zippers (Figure 15, Item 11) on windows (Figure 15, Item 12), doors (Figure 15, Item 13) and end walls (Figure 15, Item 14). Inspect windows (Figure 15, Item 12) for damaged screens (Figure 15, Item 15).	Fabric or webbing is torn or cut. Loop strips or straps are damaged. Zippers are torn or do not operate, screens are ripped.

Table 4. Operator PMCS, Other Intervals-Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
		Soft Walls	Ensure retaining rods (Figure 15, Item 16) are secure and there are no signs of leakage between soft walls and structure.	Rods are loose or there is leakage under soft wall.

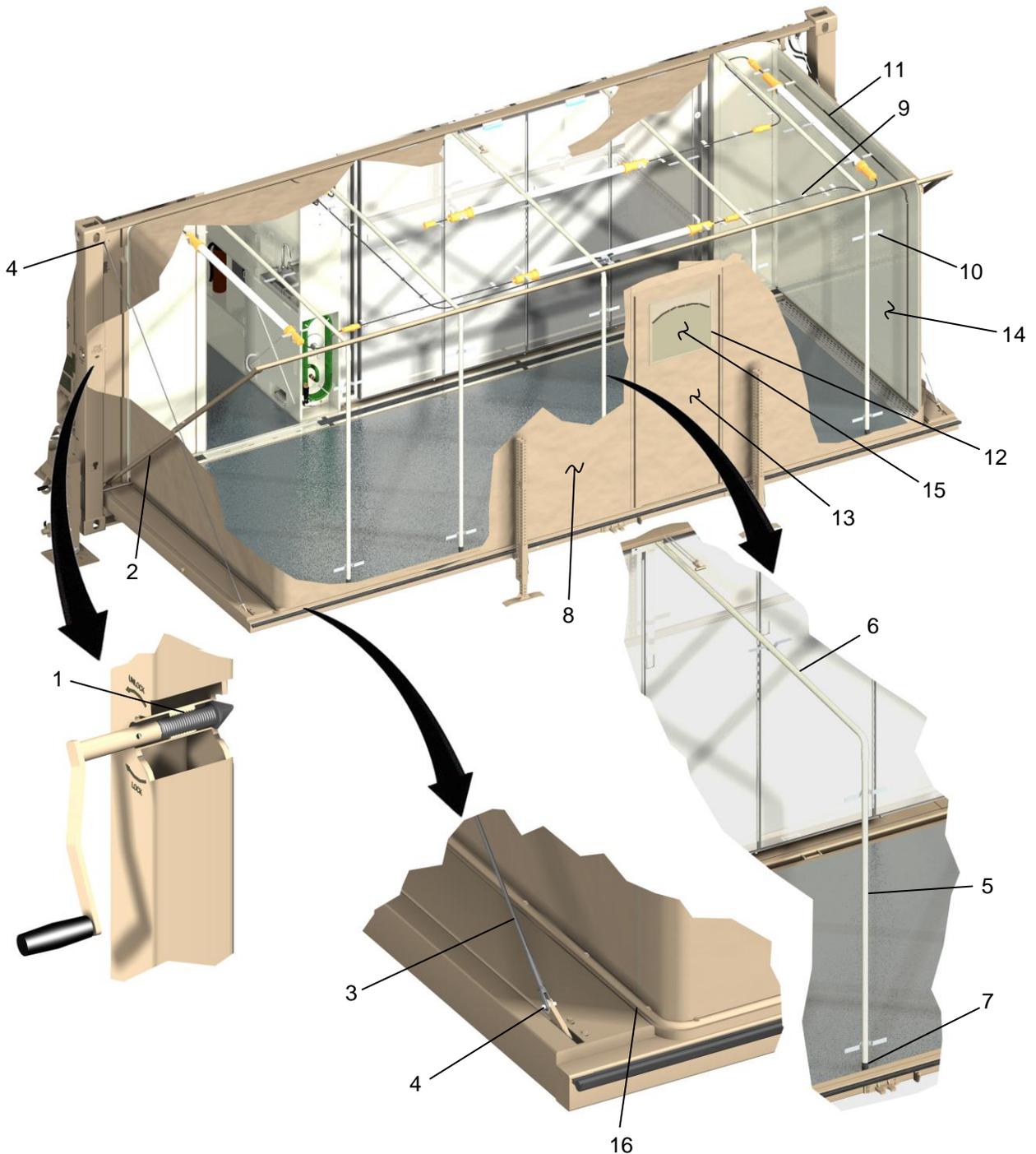


Figure 15. Annual PMCS Items 9 through 11.

Table 4. Operator PMCS, Other Intervals-Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
12	Annually or Post - Deployment	Interior Work Areas	<p>Inspect floors (Figure 16, Item 1) for cuts and tears. Ensure floor drain grate (Figure 16, Item 2) is not bent and lays flat on trough (Figure 16, Item 3).</p> <p>Inspect wall panels (Figure 16, Item 4) for cracks or holes. Ensure panels are not loose.</p> <p>Inspect ventilation grilles (Figure 16, Item 5) for damage and security.</p> <p>Inspect electrical outlets (Figure 16, Item 6) for security. Ensure protective covers (Figure 16, Item 7) are not damaged and gaskets (Figure 16, Item 8) are intact.</p> <p>Inspect lights (Figure 16, Item 9) and (Figure 16, Item 10) for cracks in lenses and security of fixtures.</p> <p>Inspect shelving (Figure 16, Item 11) for bends or surface defects. Verify loops (Figure 16, Item 12) are not bent or loose.</p> <p>Inspect sink (Figure 16, Item 13) and back splash (Figure 16, Item 14) for dents and surface damage. Ensure sink is secured to wall. Check soap dispenser (Figure 16, Item 15), glove dispenser (Figure 16, Item 16) and mirror (Figure 16, Item 17) for damage and security.</p>	<p>Floors or drain are damaged.</p> <p>Panels are damaged or loose.</p> <p>Grilles are damaged or loose.</p> <p>Outlet, covers, or gaskets are loose or damaged.</p> <p>Lenses are cracked or fixtures are loose.</p> <p>Shelving is damaged. Loops are bent or loose.</p> <p>Sink, backsplash, soap dispenser, glove dispenser, or mirror are damaged or loose.</p>

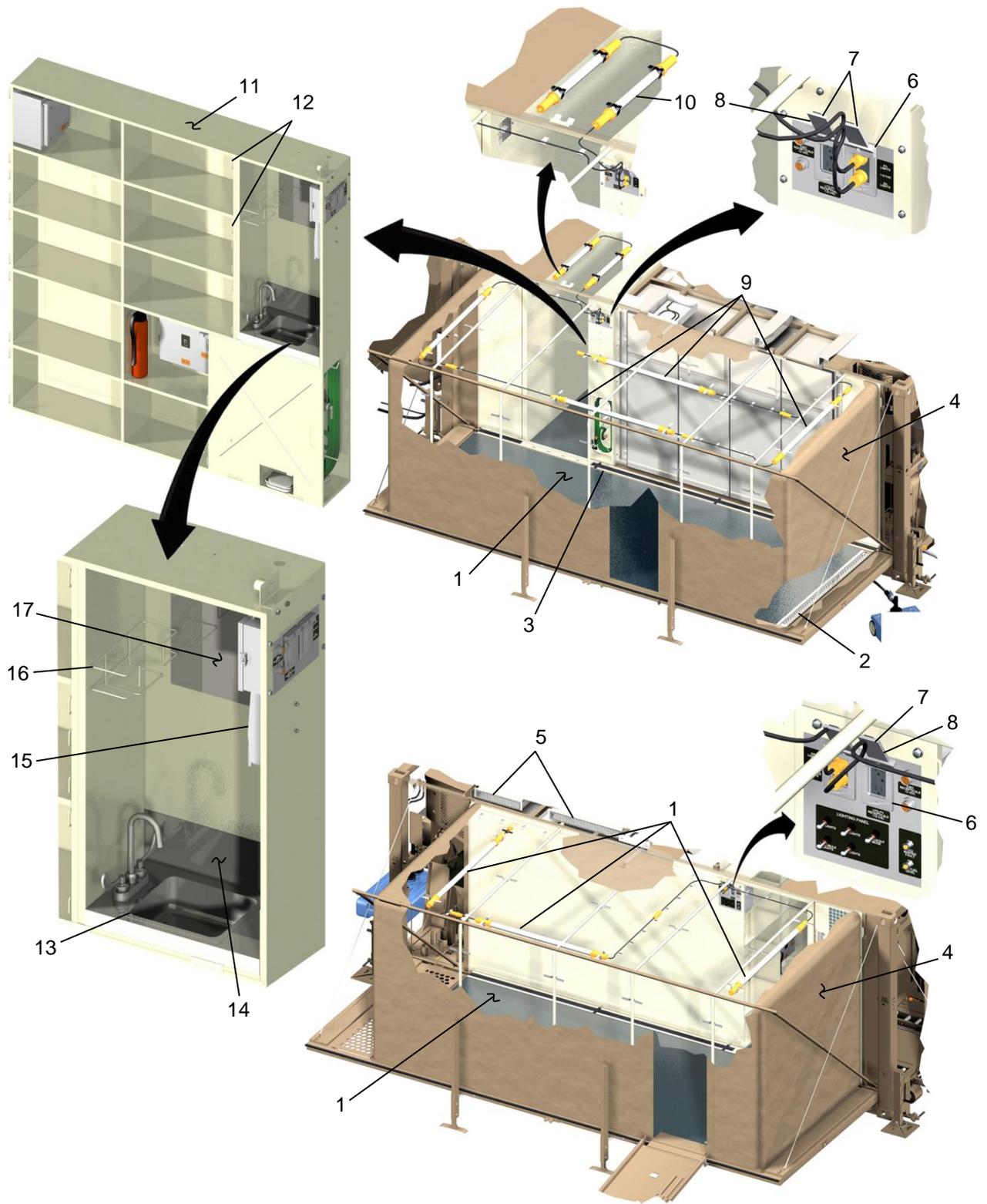


Figure 16. Annual PMCS Item 12.

Table 4. Operator PMCS, Other Intervals-Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
13	Annually or Post - Deployment	RSU	<p style="text-align: center;">WARNING</p> <div style="text-align: center;">  </div> <p>Waste water generated during MA operations may contain chemical and/or bio-hazardous materials. When sanitizing equipment or maintaining or servicing water plumbing or associated components, personnel must wear impermeable gloves and goggles for protection. Failure to follow this warning may result in serious illness or death to personnel.</p> <p>Inspect doors (Figure 17, Item 1) for major dents and surface defects. Ensure doors open and close without binding.</p> <p>Inspect seals (Figure 17, Item 2) for cuts and tears. Ensure latches (Figure 17, Item 3) engage with frame (Figure 17, Item 4) and doors seal against frame.</p> <p>Inspect removable panel (Figure 17, Item 5) for dents and surface defects. Ensure seal (Figure 17, Item 6) is tight against wall and panel is secure.</p> <p>Inspect interior walls (Figure 17, Item 7) for dents or holes. Ensure wall and ceiling panels do not have gaps at joints (Figure 17, Item 8).</p> <p>Ensure ducting (Figure 17, Item 9), baffles (Figure 17, Item 10) and drain cover (Figure 17, Item 11) are not damaged or loose.</p>	<p>Doors are damaged enough to expose insulation or bind during movement.</p> <p>Seals are damaged, latches do not function, or door does not close tight to frame.</p> <p>Panel is loose or damaged or seal is damaged.</p> <p>Walls are damaged or have gaps at joints.</p> <p>Ducting, baffles, or drain cover are damaged.</p>

Table 4. Operator PMCS, Other Intervals-Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
14	Annually or Post - Deployment	Track Roller Assemblies	<p>Inspect each assembly for bent rails (Figure 17, Item 12).</p> <p>Inspect each roller (Figure 17, Item 13) for damage. Ensure rollers spin freely and roller shafts are not bent.</p> <p>Check for damaged or missing QC pins (Figure 17, Item 14). Ensure lanyards are not damaged and are secured to rails.</p>	<p>Rails are bent.</p> <p>Rollers are damaged, do not spin, or shafts are bent.</p> <p>Pins or lanyards are missing or damaged.</p>
15	Annually or Post - Deployment	Remains Trays	<p>Inspect each tray (Figure 17, Item 15) for dents. Ensure each tray lays flat and is not bent.</p> <p>Ensure D-rings (Figure 17, Item 16) are not loose or missing.</p>	<p>Trays are dented or bent.</p> <p>D-rings are not secure or are missing.</p>
16	Annually or Post - Deployment	Remains and Tray Restraint Belts	<p>Inspect belts (Figure 17, Item 17) for cleanliness.</p> <p>Inspect belts for cuts or tears. Ensure hook and loop (Figure 17, Item 18) is intact.</p>	<p>Belts are dirty or contaminated.</p> <p>Belts are torn or hook and loop does not hold.</p>

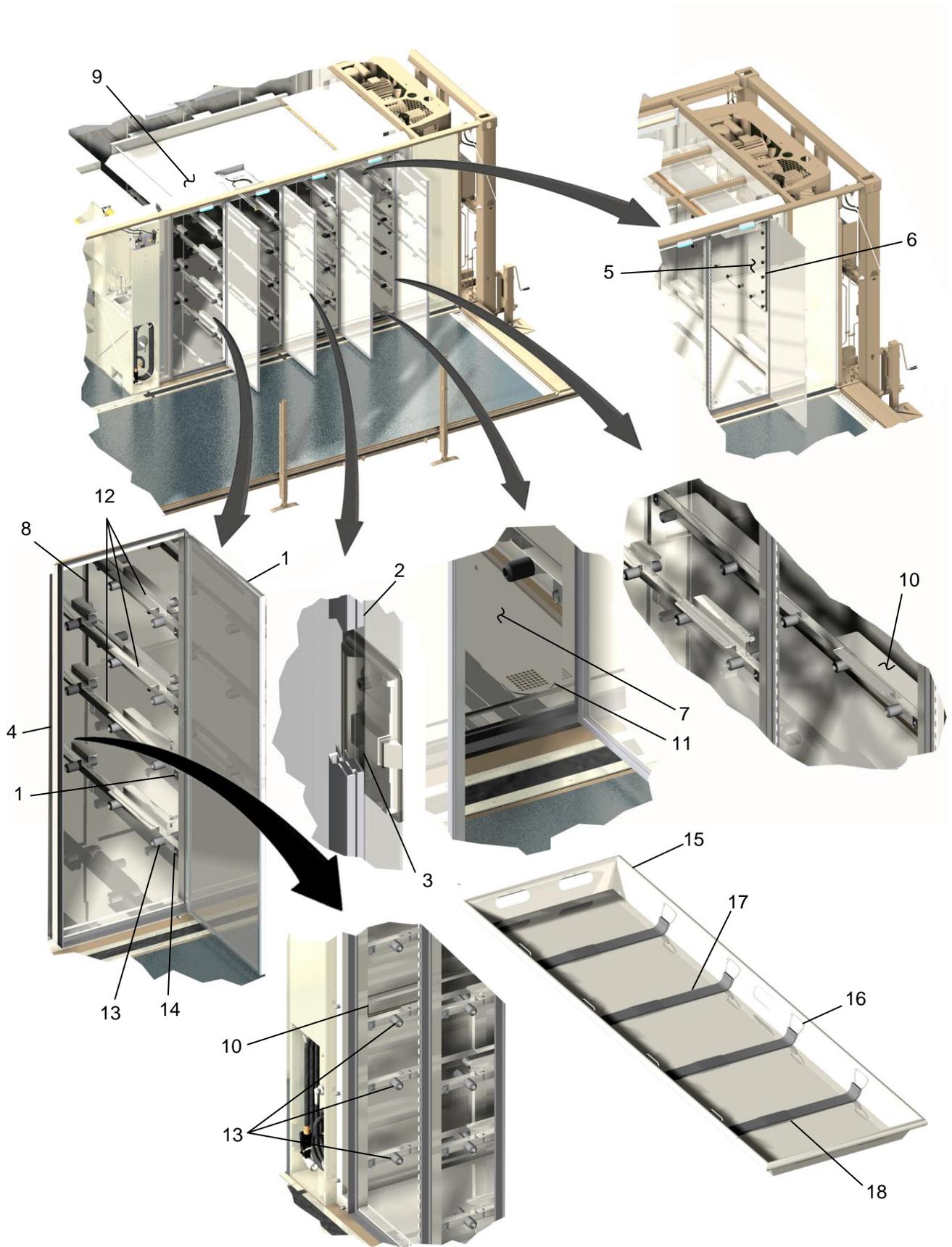


Figure 17. Annual PMCS Items 13 through 16.

Table 4. Operator PMCS, Other Intervals-Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
17	Annually or Post - Deployment	Generator Supports	<p>Inspect generator supports (Figure 18, Item 1) and cable support bracket (Figure 18, Item 2) for cracked welds or other structural damage.</p> <p>Inspect rollers (Figure 18, Item 3) for damage. Ensure rollers spin freely.</p> <p>Inspect bumpers (Figure 18, Item 4) for cuts or splits and other defects. Ensure bumpers are securely fastened.</p> <p>Check for damaged or missing QC pins (Figure 18, Item 5). Ensure lanyards (Figure 18, Item 6) are not damaged and are secured to supports.</p> <p>Inspect cables (Figure 18, Item 7) for kinks or fraying. Ensure protective covering is not cut or split. Ensure cables connections (Figure 18, Item 8) are secure.</p>	<p>Weld cracks or other damage is found.</p> <p>Rollers are damaged or do not rotate.</p> <p>Bumpers are damaged or loose.</p> <p>Pins or lanyards are missing or damaged.</p> <p>Cables are kinked or frayed, covering or connections are not fastened securely.</p>

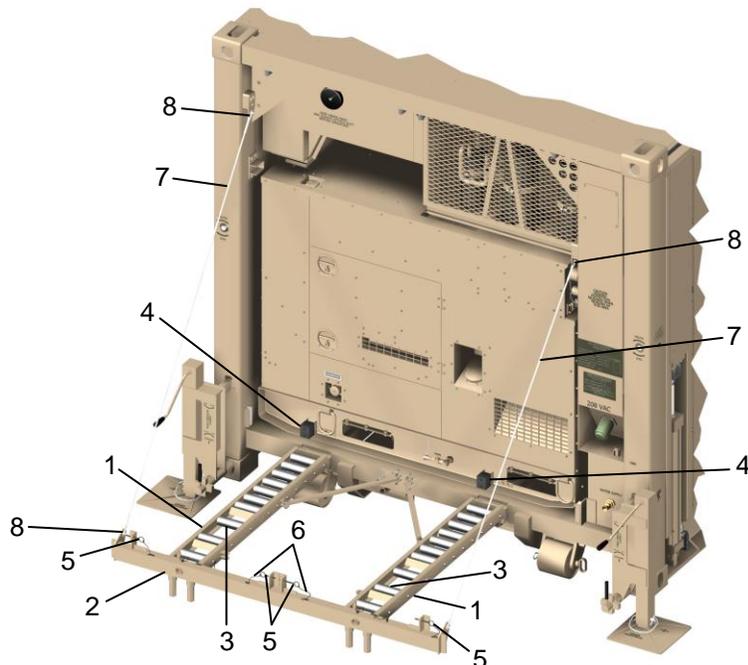


Figure 18. Annual PMCS Item 17.

Table 4. Operator PMCS, Other Intervals-Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
18	Annually or Post - Deployment	Mobile Processing Platforms (MPP)	<p>Apply wheel-brake (Figure 19, Item 1) on each caster (Figure 19, Item 2) and ensure wheels (Figure 19, Item 3) do not rotate.</p> <p>Release wheel-brake and ensure each wheel rotates freely.</p> <p>Apply swivel lock (Figure 19, Item 4) on casters and ensure casters rotate to straight position then lock.</p> <p>Release swivel lock. Ensure all four casters rotate 360 degrees.</p> <p>Inspect each caster (Figure 19, Item 2) for cracked, cut, or missing treads.</p> <p>Pump foot pedal (Figure 19, Item 5) and raise MPP to full height.</p> <p>Check cylinders (Figure 19, Item 6) and hydraulic hoses (Figure 19, Item 7) for evidence of leakage.</p> <p>Push down on upper frame (Figure 19, Item 8) and ensure frame stays in extended position.</p> <p>Push down on lowering foot pedal (Figure 19, Item 9), allow MPP to drop about halfway then release foot pedal.</p> <p>Push down on upper frame (Figure 19, Item 8) and ensure frame stays in position.</p> <p>Push down on lowering foot pedal (Figure 19, Item 9), allow MPP to drop to collapsed height.</p>	<p>Wheels rotate with brake applied.</p> <p>Wheels do not spin with brakes released.</p> <p>Casters do not lock straight.</p> <p>Any caster does not swivel completely around.</p> <p>Treads are damaged or missing.</p> <p>MPP will not rise.</p> <p>Any class II leak is detected.</p> <p>Frame starts to drop.</p> <p>Frame does not move downward.</p> <p>MPP does not completely collapse.</p>

Table 4. Operator PMCS, Other Intervals-Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
19	Annually or Post - Deployment	<p>Mobile Processing Platforms (MPP)</p> <p>MPP Extension</p>	<p>Inspect tray rollers (Figure 19, Item 10) for damage. Ensure rollers spin freely.</p> <p>Inspect frame (Figure 19, Item 11) for bent or damaged members and welds.</p> <p>Inspect pull handle (Figure 19, Item 12) for damage. Ensure handle can be secured to frame.</p> <p>Inspect frame (Figure 19, Item 13) for bent or damage members and welds.</p> <p>Inspect tray rollers (Figure 19, Item 14) for damage. Ensure rollers spin freely.</p> <p>Inspect support legs (Figure 19, Item 15) for damage and security. Ensure legs pivot open and closed.</p> <p>Check for damaged or missing QC pins (Figure 19, Item 16). Ensure lanyards (Figure 19, Item 17) are not damaged and are secured to supports.</p>	<p>Rollers are damaged or do not rotate.</p> <p>Weld cracks or other damage is found.</p> <p>Handle is damaged or cannot be attached.</p> <p>Weld cracks or other damage is found.</p> <p>Rollers are damaged or do not rotate.</p> <p>Legs are damaged, loose, or bind during movement.</p> <p>Pins or lanyards are missing or damaged.</p>

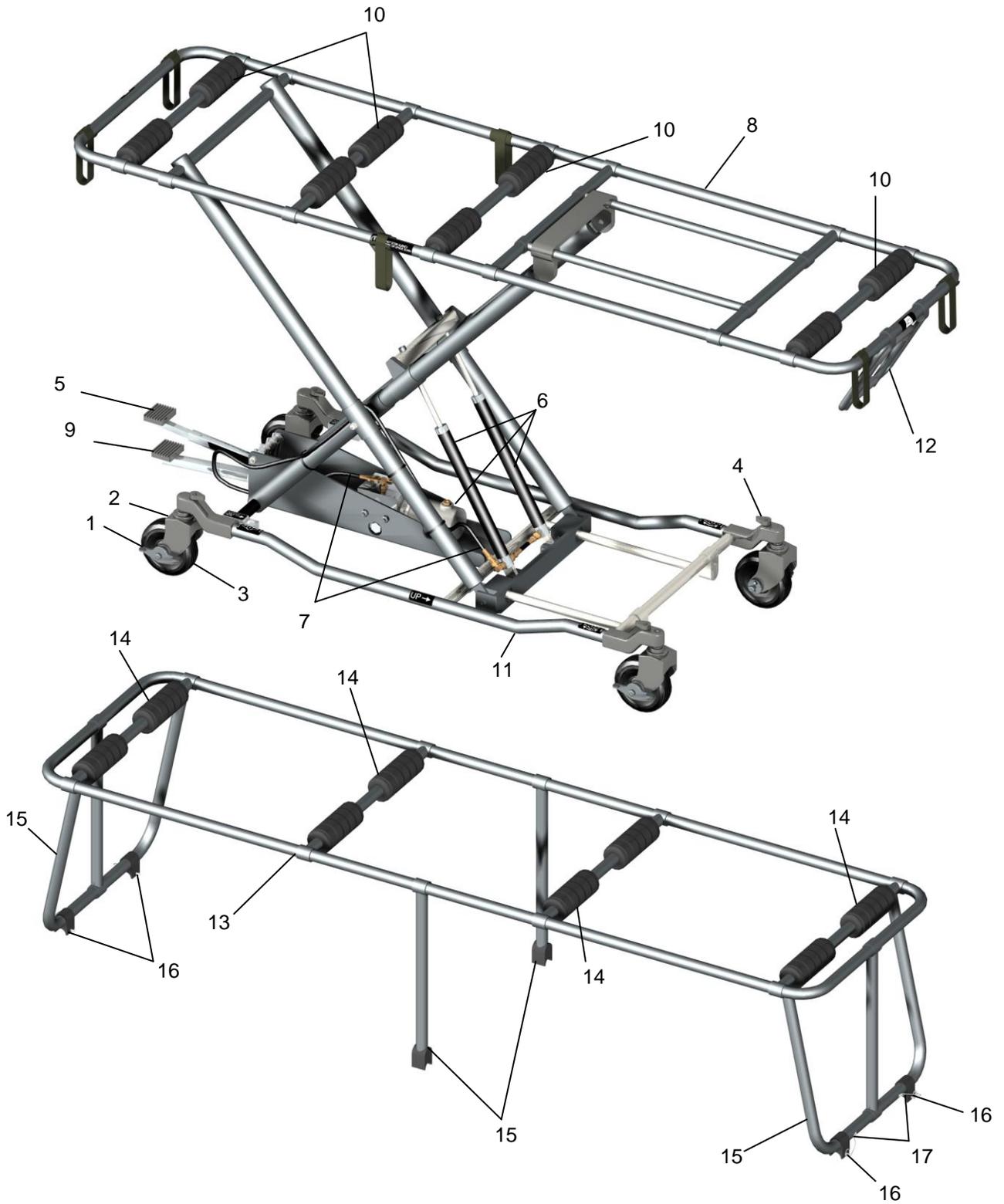


Figure 19. Annual PMCS Items 18 and 19.

Table 4. Operator PMCS, Other Intervals-Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
20	Annually or Post - Deployment	Partition Wall	Inspect AA partition (Figure 20, Item 1) and ventilation screens (Figure 20, Item 2) for cuts and tears. Ensure curtain door (Figure 20, Item 3) slides back and forth. Make sure threshold rod (Figure 20, Item 4) is not cracked.	Partition is torn, door does not slide, rod is cracked.
21	Annually or Post - Deployment	Supply Area Curtain Door	Inspect track (Figure 20, Item 5) for damage. Check for damaged or missing QC pins (Figure 20, Item 6). Ensure lanyards (Figure 20, Item 7) are not damaged and are secured to supports. Ensure curtain (Figure 20, Item 8) is attached to hangers (Figure 20, Item 9) and hangers slide properly on track. Check curtain for tears and holes.	Track is damaged, pins or lanyards are missing or damaged. Hangers don't slide. Curtain is not hung properly or is torn.
22	Annually or Post - Deployment	Cargo Nets	Inspect netting and webbing (Figure 20, Item 10) for cuts or tears. Ensure buckles (Figure 20, Item 11) are not damaged or missing.	Netting or webbing is damaged, Buckles are damaged or missing.
23	Annually or Post - Deployment	Weapons Racks	Inspect racks (Figure 20, Item 12) for damage. Ensure hook strip is intact (Figure 20, Item 13).	Racks are bent, hook strip is loose or damaged.

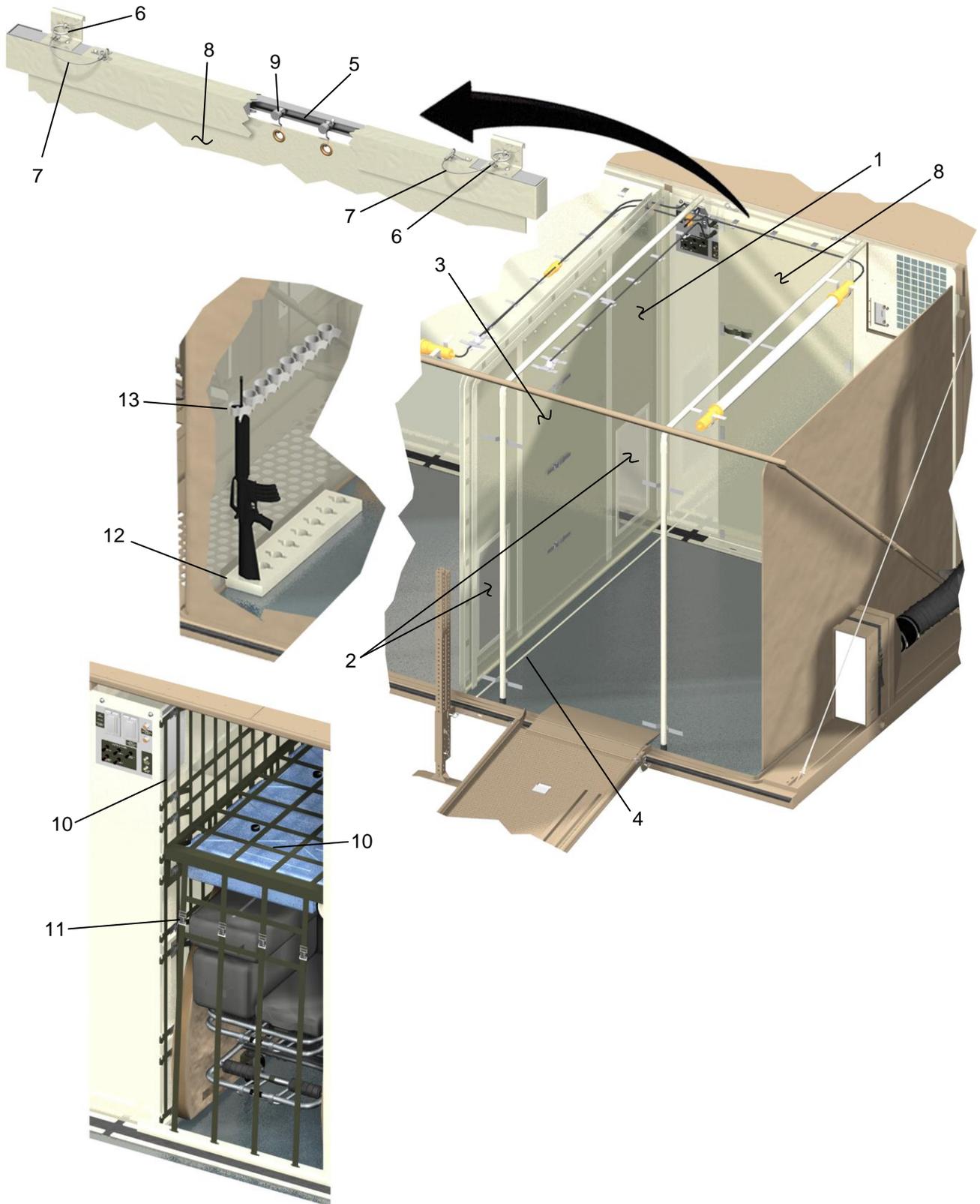


Figure 20. Annual PMCS Items 20 through 23.

Table 4. Operator PMCS, Other Intervals-Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
24	Annually or Post - Deployment	Fluorescent Lights	Inspect lights (Figure 21, Item 1) for cracks or damage to protective cover (Figure 21, Item 2). Check for cuts or fraying of cord (Figure 21, Item 3) and damaged plugs (Figure 21, Item 4).	Cover, cords or plugs are damaged.
25	Annually or Post - Deployment	Emergency/Blackout Lights	Inspect lights (Figure 21, Item 5) for cracks in lenses (Figure 21, Item 6). Check for cuts or fraying of cord (Figure 21, Item 7) and damaged plugs (Figure 21, Item 8).	Lenses are cracked, cords or plugs are damaged.
26	Annually or Post - Deployment	Inlet Filter Assembly	Separate housing (Figure 21, Item 9) into two sections. Inspect sections damage. Ensure gaskets (Figure 21, Item 10) are not cut. Inspect latches (Figure 21, Item 11) for damage. Reassemble housing sections and ensure latches engage.	Housing or gaskets are damaged. Latches are damaged or will not engage.
27	Annually or Post - Deployment	Outside Air Duct	Inspect ducting (Figure 21, Item 12) for tears or holes. Ensure end connections (Figure 21, Item 13) are secured with clamps (Figure 21, Item 14).	Ducts are damaged or end connections are missing or loose.

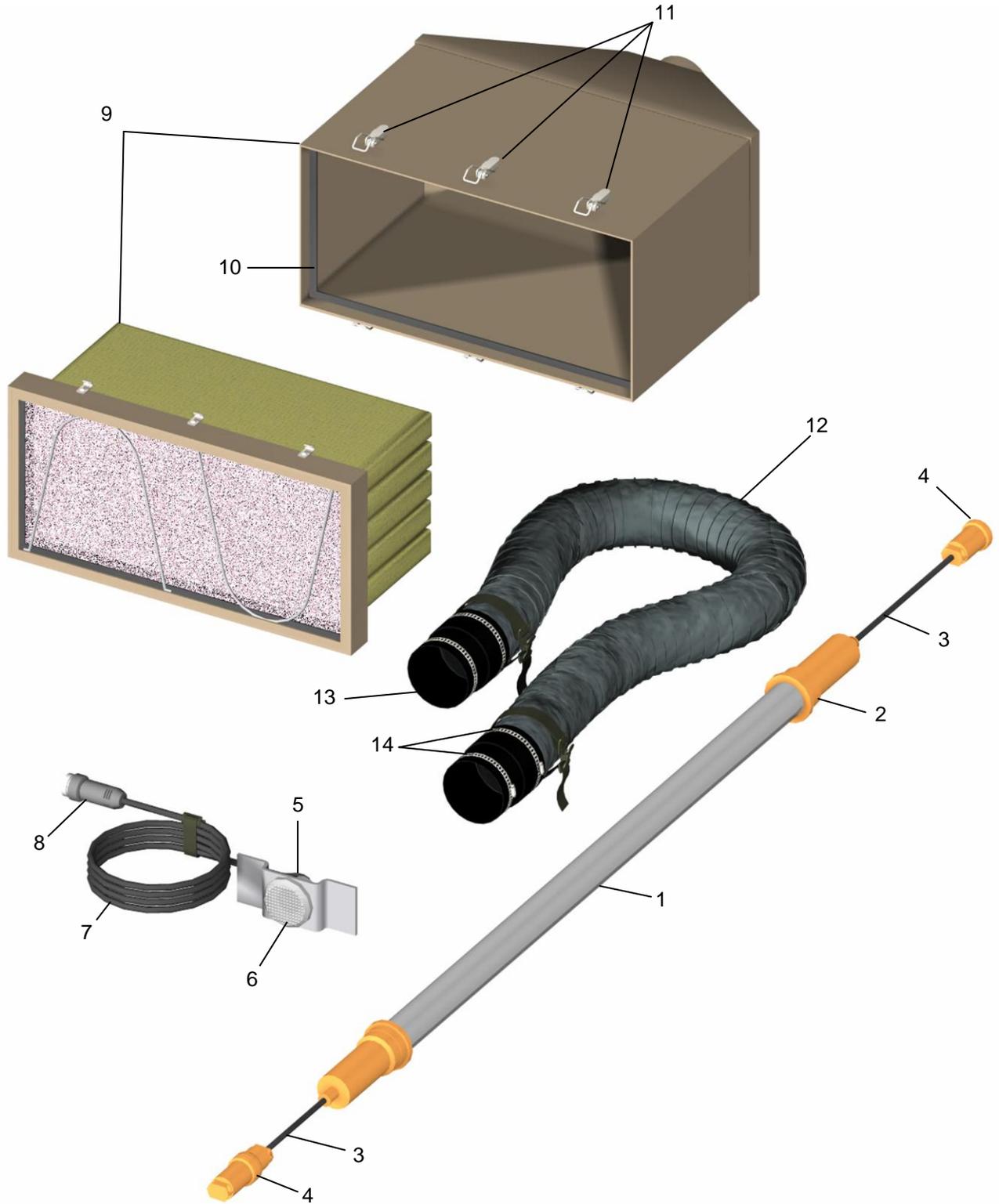


Figure 21. Annual PMCS Items 24 through 27.

Table 4. Operator PMCS, Other Intervals-Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
28	Annually or Post - Deployment	Water Hoses	Inspect supply hoses (Figure 22, Item 1) and utility hose (Figure 22, Item 2) for cracks or splits. Ensure end connections (Figure 22, Item 3) are not damaged and clamps (Figure 22, Item 4) are tight.	Hoses leak or connections are damaged.
29	Annually or Post - Deployment	Waste Hoses	Inspect hoses (Figure 22, Item 5) for cracks or splits. Ensure end connections (Figure 22, Item 6) are not damaged and shut-off valve (Figure 22, Item 7) opens and closes. Ensure full indicators (Figure 22, Item 8) are not damaged or missing.	Hoses leak, connections are damaged, valves do not operate, or full indicators are damaged or missing.
30	Annually or Post - Deployment	Waste Containers	Inspect containers (Figure 22, Item 9) for cracks. Ensure Bio-hazard markings (Figure 22, Item 10) are readable.	Containers are cracked or markings are not legible.
			Ensure fill caps (Figure 22, Item 11) and vent caps (Figure 22, Item 12) are not damaged or missing.	Caps are damaged or missing.
31	Annually or Post - Deployment	Fuel Hoses	Inspect fuel hose (Figure 22, Item 13) and adapter (Figure 22, Item 14) for cracks and splits. Ensure end connections (Figure 22, Item 15) are not damaged and clamps (Figure 22, Item 16) are tight. Ensure protective caps (Figure 22, Item 17) are not missing.	Hoses leak, connections are damaged, or caps are missing.

Table 4. Operator PMCS, Other Intervals-Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
32	Annually or Post - Deployment	Temporary Remains Shelters	<p>Ensure fabric and webbing (Figure 22, Item 18) is not torn or fraying. Inspect zippers (Figure 22, Item 19) for wear or damage. Ensure support rods (Figure 22, Item 20) are not broken or loose.</p> <p>Ensure stakes (Figure 22, Item 21) are not bent or missing. Make sure guy ropes (Figure 22, Item 22) are not cut or frayed and rope tensioners (Figure 22, Item 23) are not broken or missing.</p>	<p>Fabric or webbing is damaged, zippers are damaged, support rods are broken or loose.</p> <p>Stakes are bent or missing, guy ropes are damaged, rope tensioners are broken or missing.</p>

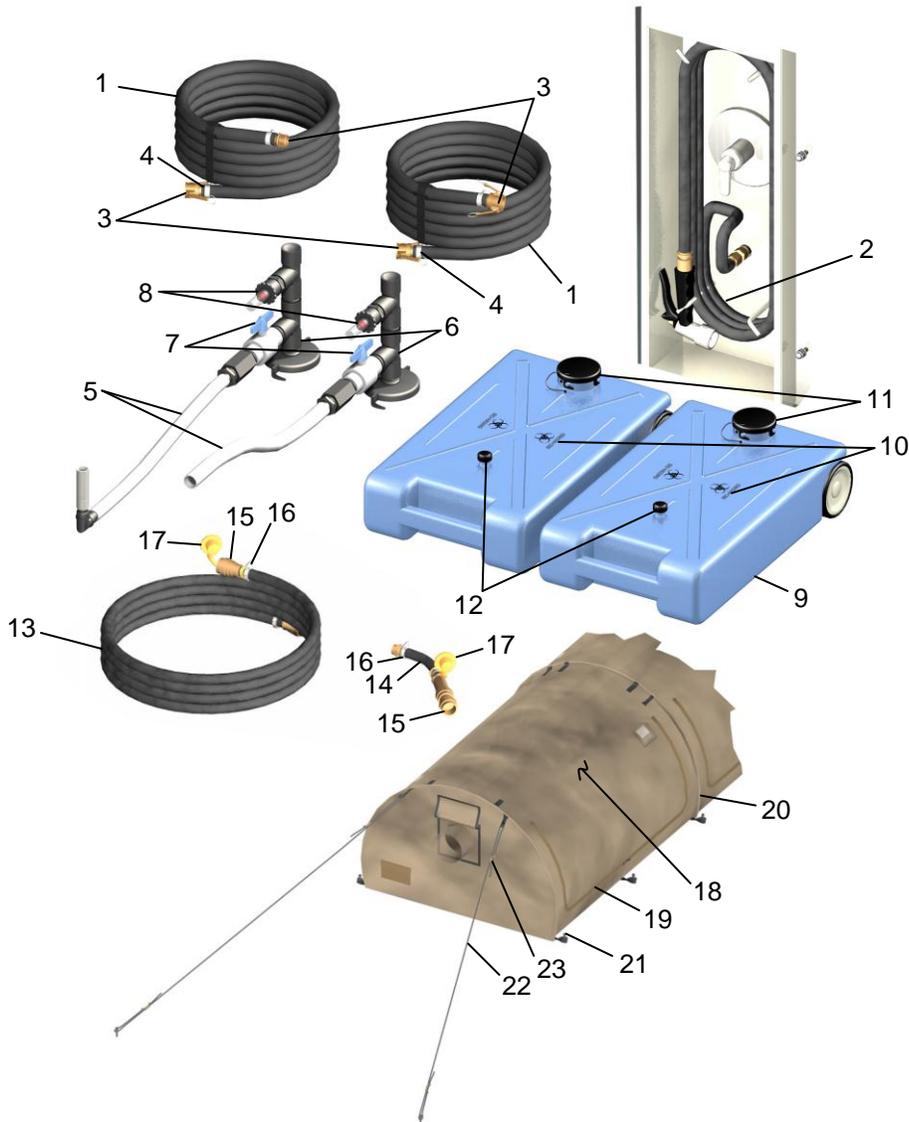


Figure 22. Annual PMCS Items 28 through 32.

Table 4. Operator PMCS, Other Intervals-Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
33	Annually or Post - Deployment	Ramps	<p>Ensure ramp sections (Figure 23, Item 1) are not twisted. Check for cracked welds on side supports (Figure 23, Item 2).</p> <p>Ensure mortises (Figure 23, Item 3) are not enlarged and tenons (Figure 23, Item 4) are not damaged or loose. Ensure ramp sections can be mated. Check for damaged or missing QC pins (Figure 23, Item 5). Ensure lanyards (Figure 23, Item 6) are not damaged or loose.</p>	<p>Ramp sections are twisted, side supports are damaged or have cracked welds.</p> <p>Mortise and tenons are damaged or ramp sections cannot be mated. Pins or lanyards are missing or damaged.</p>
34	Annually or Post - Deployment	Threshold	Ensure threshold (Figure 23, Item 7) is not bent or damaged and pivots freely.	Threshold is damaged or binds.
35	Annually or Post - Deployment	Connecting Links	Ensure links (Figure 23, Item 8) are not bent. Check for damaged or missing QC pins (Figure 23, Item 9).	Links are bent or pins are damaged or missing.

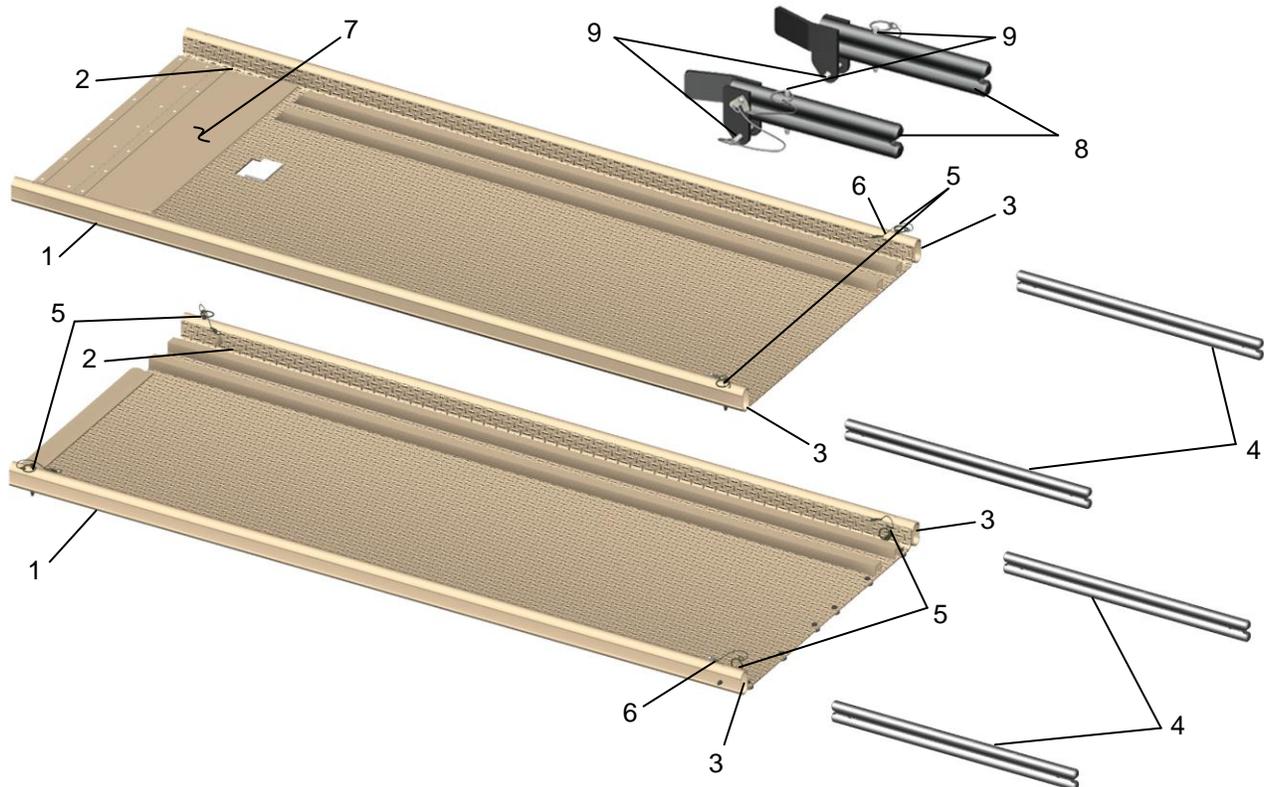


Figure 23. Annual PMCS Items 33 through 35.

Table 4. Operator PMCS, Other Intervals-Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
36	Annually or Post – Deployment	Leveling Jacks	<p>Ensure handles (Figure 24, Item 1) are not bent and knobs (Figure 24, Item 2) are not cracked or broken off. Rotate handle in both directions and make sure leg extends and retracts smoothly.</p> <p>Inspect feet (Figure 24, Item 3) for damage or cracked welds.</p> <p>Check for damaged or missing pins (Figure 24, Item 4). Ensure chains (Figure 24, Item 5) are not damaged and are secured to pins.</p> <p>Operate lock nuts (Figure 24, Item 6) and handles (Figure 24, Item 7) on twist locks (Figure 24, Item 8) and make sure they rotate without binding.</p>	<p>Handles are damaged, knobs are broken or missing, jack binds during movement.</p> <p>Feet are damaged or have cracked welds.</p> <p>Pins or chains are missing or damaged.</p> <p>Locknuts or handles bind during movement.</p>
37	Annually or Post – Deployment	Platform Support Legs	<p>Ensure supports (Figure 24, Item 9) and feet (Figure 24, Item 10) are not bent. Inspect feet (Figure 24, Item 10) for cracked welds.</p> <p>Check for damaged or missing QC pins (Figure 24, Item 11). Ensure lanyards (Figure 24, Item 12) are not damaged and are secured to feet.</p>	<p>Supports are bent or feet are bent or have cracked welds.</p> <p>Pins or lanyards are missing or damaged.</p>
38	Annually or Post – Deployment	Ladder	<p>Ensure side supports (Figure 24, Item 13) are not bent or twisted. Check for loose or damaged rungs (Figure 24, Item 14).</p>	<p>Ladder is twisted or rungs are loose or damaged.</p>

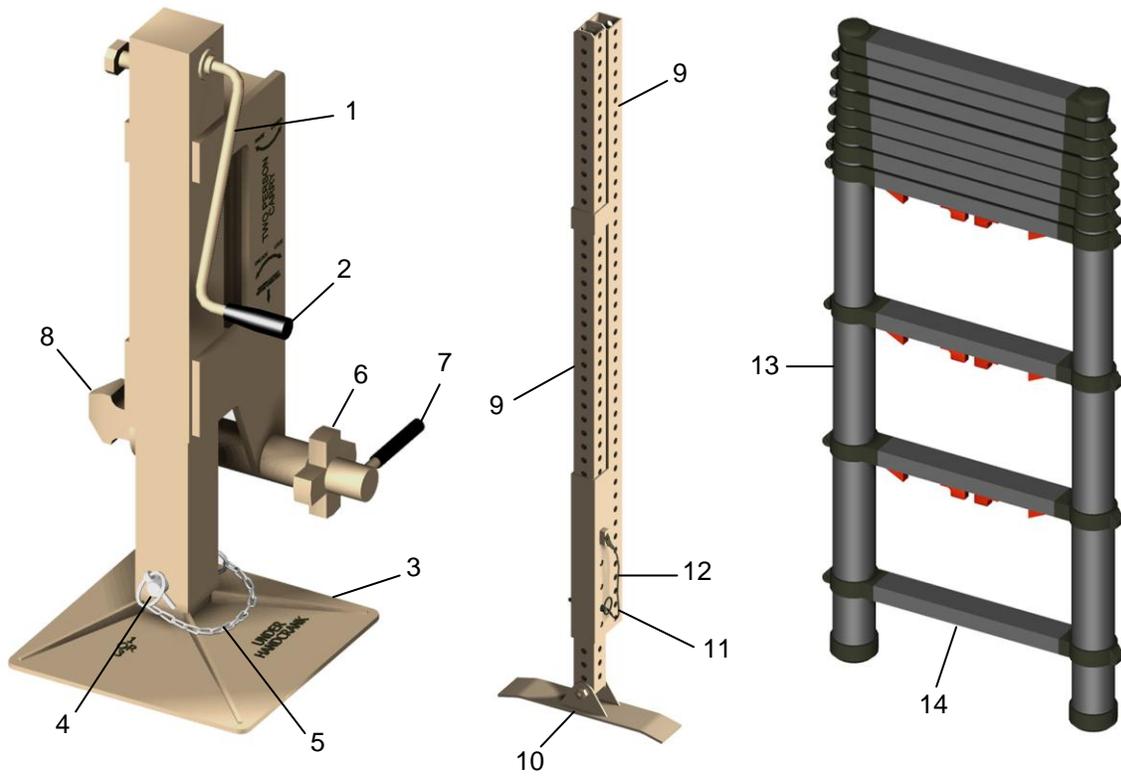


Figure 24. Annual PMCS Items 36 through 38.

Table 4. Operator PMCS, Other Intervals-Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF
39	Annually or Post – Deployment	Generator Pigtail	Inspect pigtail (Figure 25, Item 1) for cuts or fraying on cable and damaged connection (Figure 25, Item 2).	Cable jackets or end connector is damaged.

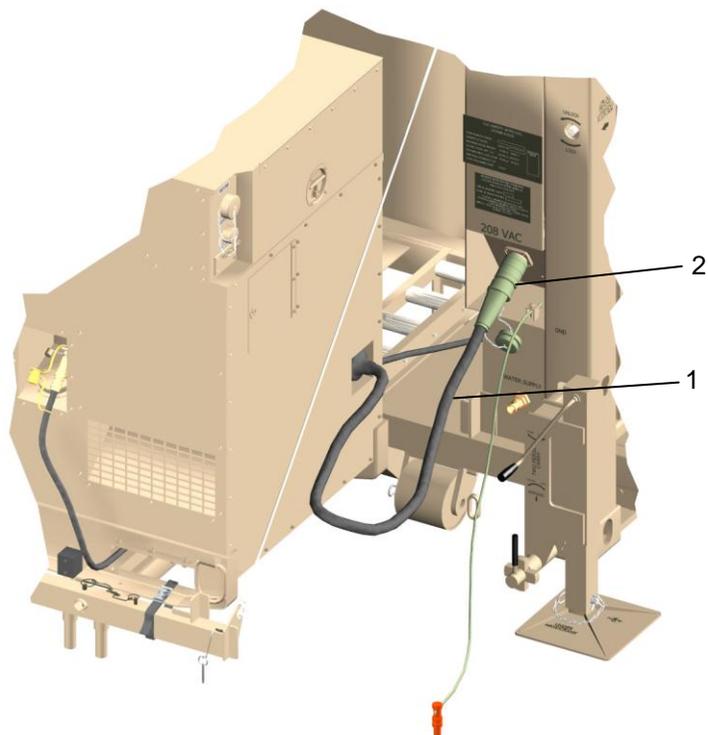


Figure 25. Annual PMCS Item 39.

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