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AIR FORCE TO 35C2-3-533-1
MARINE CORPS TM 11773A-OI
NAVY TM 7610-LL-L1A-0024

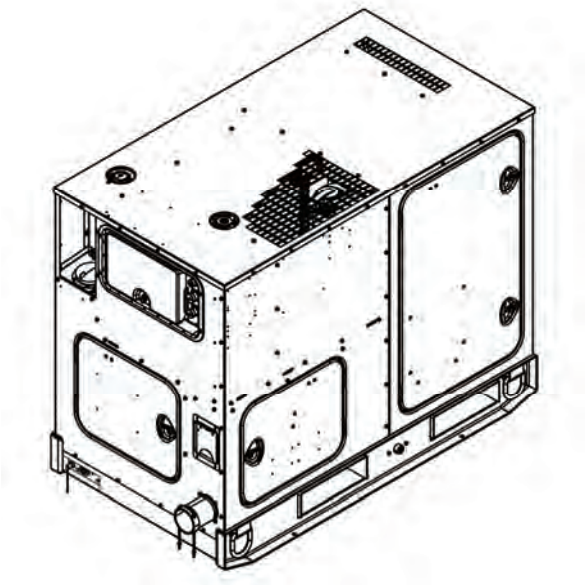
TECHNICAL MANUAL

OPERATOR'S MANUAL

FOR

GENERATOR SET, SKID MOUNTED

15KW ADVANCED MEDIUM MOBILE POWER SOURCES (AMMPS)
MEP-1050 50/60 Hz
(NSN: 6115-01-561-7634) (EIC: N/A)
MEP-1051 400 Hz
(NSN: 6115-01-561-7674) (EIC: N/A)



HEADQUARTERS, DEPARTMENTS OF THE ARMY,
AIR FORCE, NAVY, AND HEADQUARTERS,
US MARINE CORPS
1 FEBRUARY 2011

PCN 184 117730 00

Table 1. PMCS for the AMMPS 15 kW Generator Set.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/AVAILABLE IF:

WARNING

- High voltage is produced when generator set is in operation. Never attempt to start the generator set unless it is properly grounded. Do not ground yourself in standing water. Never attempt to connect or disconnect load cables while the generator set is operating. Failure to comply may cause injury or death to personnel.
- Fuel is combustible and toxic to eyes, skin, and respiratory tract. Skin and eye protection are required when working in contact with fuel. Avoid repeated or prolonged contact. Provide adequate ventilation. Operators are to wash skin and change clothing promptly if in contact with fuel. Failure to comply may cause injury or death to personnel.
- Fuels used in the generator set are combustible. Do not smoke or use open fire when performing maintenance. Fire and possible explosion may result. Failure to comply may cause injury or death to personnel and damage to equipment.
- Fuels used in the generator set are combustible. Ensure fuel source grounding strap is connected to unit fuel fill grounding stud (fuel fill static ground). When filling the fuel tank, maintain metal-to-metal contact between filler nozzle and fuel tank opening to eliminate ESD. Fire and possible explosion can result. Failure to comply may cause injury or death to personnel.
- Do not operate generator set if any fuel leaks are present. Fuel is combustible. Always perform PMCS before operation. Failure to comply may cause injury or death to personnel.
- Exhaust discharge contains deadly gases, including carbon monoxide. Exhaust gases are most dangerous in places with poor ventilation. Do not operate generator set in an enclosed area unless exhaust discharge is properly vented. Failure to comply may cause injury or death to personnel.
- Ensure the frequency of any device powered by the GFCI convenience receptacle matches the frequency of the generator set. Failure to comply may cause injury or death to personnel.
- Power is available to the convenience receptacle when the main contactor is open. Avoid accidental contact. Electrocution is possible. Failure to comply may cause injury or death to personnel.
- NATO slave receptacle is electrically live at all times and is not protected by a fuse. Disconnecting main DC circuit breaker does not ensure the circuit is dead. This circuit is only dead when the batteries are fully disconnected. Disconnect both batteries before performing maintenance on the slave receptacle. Failure to comply may cause injury or death to personnel
- Batteries give off combustible gas. Do not smoke or use open flame when performing maintenance. Failure to comply may cause injury or death to personnel and damage to equipment.

Table 1. PMCS for the AMMPS 15 kW Generator Set — Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/AVAILABLE IF:
WARNING • Battery acid can cause burns to skin and cause eye injury. Wear safety goggles and chemical gloves and avoid acid splash while working on the batteries. Failure to comply may cause injury or death to personnel. • Engine coolant is toxic to eyes and poisonous if ingested. Eye protection is required when working with engine coolant. Avoid repeated or prolonged contact. Failure to comply may cause injury or death to personnel. • Hearing protection is required during maintenance or repair with engine running. Failure to comply can cause hearing loss. • Metal jewelry can conduct electricity and become entangled in generator set components. Remove all jewelry and do not wear loose clothing when working on equipment. Failure to comply may cause injury or death to personnel. • Flying debris or material may enter eyes or strike the face. Wear appropriate eye/face protection while performing maintenance tasks. Failure to comply may cause injury or death to personnel. • While inspecting the operation of the generator set, do not inadvertently reach into the generator set. Failure to comply may cause injury or death to personnel.				
			Rear Panel	
1	Before	Ground rod, clamp, and cable	1. Inspect ground rod and cable for missing parts, loose connection, corrosion, or damage.	Ground rod, clamp, or cable missing or damaged, or connection loose.
			2. Notify field maintenance of corroded parts.	
2	Before	Rear panel	1. Inspect rear panel for damage or corroded parts.	Rear panel missing or punctured.
			2. Notify field maintenance of minor corrosion or damage.	
3	Before	ID plates and labels	1. Ensure ID plates and labels are present, secure, and legible. Two plates are required (WP 0005, Operation Under Usual Conditions).	
			2. Notify field maintenance of missing, loose, or illegible plates.	
4	Before	DCS cover (Figure 1, Item 2)	1. Check cover, hinges, seals, and latch for damage, or loose or corroded parts.	
			2. Secure cover in open position.	
			3. Notify field maintenance of damage; loose, corroded parts; or cover that cannot be secured.	

Table 1. PMCS for the AMMPS 15 kW Generator Set — Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/AVAILABLE IF:
5	Before	DCS	1. Inspect for damaged, loose, and missing parts.	Damaged, loose, or missing parts.
			2. Notify field maintenance of defects.	
6	Before	Convenience receptacle (Figure 1, Item 4)	1. Check cover, hinge, and seal for damage, or loose or corroded parts.	Cover will not close.
			2. Check receptacle for damage or corroded parts.	Receptacle damaged or corroded.
			3. Notify field maintenance of defects.	
7	Before	Flexible sleeve	1. Inspect for tears, loose closure, or separation from rear panel.	Separated from rear panel.
			2. Tighten loose ties.	
			3. Notify field maintenance of tears.	
8	Before	Fuel fill (Figure 1, Item 8)	1. Clean fuel fill (Figure 1, Item 8) area of dirt and debris (WP 0016, Service Fuel System).	Damaged, corroded, or missing parts.
			2. Inspect the auxiliary fuel connections for damaged, corroded, or missing parts.	Damaged, corroded, or missing parts.
			3. Inspect cap and strainer for dirt, wear, and defects.	Damaged or missing cap, punctured or missing strainer.
			4. Remove dirt on cap or strainer.	
			5. Inspect chain and gasket for wear.	Damaged or missing gasket.
			6. Notify field maintenance of wear.	
			7. Inspect grounding stud (fuel fill static ground) for damage or corrosion.	Grounding stud (fuel fill static ground) missing or corroded.
			8. Notify field maintenance of minor damage to grounding stud (fuel fill static ground).	
9	Before	Coolant overflow bottle (Figure 1, Item 1)	1. Ensure coolant level is between HIGH and LOW (WP 0015, Service Cooling System).	Class III coolant leak. Missing cap.
NOTE Coolant fill cap and hoses available through top panel.				
			2. Add coolant as necessary (WP 0015, Service Cooling System).	

Table 1. PMCS for the AMMPS 15 kW Generator Set — Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/AVAILABLE IF:
			3. Inspect bottle and hoses for leaks.	Class III leak.
			4. Notify field maintenance of Class I, II, or III leaks.	
			5. Inspect coolant overflow bottle cap for damage or loose hoses.	Cap cracked through, missing, or missing hoses.
			6. Reconnect loose hoses.	Unable to resolve loose hoses.
			7. Notify field maintenance of defects.	
			Rear Door	
10	Before	Rear Door	1. Inspect door, hinges, seals, and latch for damaged, loose, or corroded parts.	Door cannot be secured.
			2. Notify field maintenance of damaged, loose, or corroded parts.	
			Inside Rear Door	
11	Before	Fuel tank (Figure 1, Item 6)	1. Open rear door.	
			2. Check level: by sight on fuel tank (Figure 1, Item 6) and by energizing DCS (WP 0005, Operation Under Usual Conditions) and viewing displayed fuel level.	Fuel level is less than 4%.
			3. Inspect fuel tank (Figure 1, Item 6) for leaks, damage; loose or missing parts.	Any classification of fuel leak or damage, any loose or missing parts.
			4. Notify field maintenance of defects.	
12	Before	Fuel system hoses (Figure 1, Item 7)	1. Inspect for leaks or damaged, loose, or missing hardware.	Any classification of fuel leak or damaged, loose, or missing hardware.
			2. Notify field maintenance of defects.	
13	Before	Fuel pumps and fuel manifold (Figure 1, Item 5)	1. Inspect fuel pumps and fuel manifold (Figure 1, Item 5) for leaks or damage.	Any classification of fuel leak or damage.
			2. Notify field maintenance of defects.	
14	Before	Electrical connections	1. Inspect (visually only) electrical connectors at relay panel and wiring harness for looseness.	
			2. Push visibly loose connectors into place.	Connector looseness cannot be resolved.

Table 1. PMCS for the AMMPS 15 kW Generator Set — Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/AVAILABLE IF:
			3. Notify field maintenance of defects.	
15	Before	Relay panel	1. Inspect (visually only) relay panel cover for damage.	Relay panel cover punctured.
			2. Notify field maintenance of minor damage.	
16	Before	ID plate	1. ID plate is present, secure, and legible. One ID plate is required (WP 0005, Operation Under Usual Conditions).	
			2. Notify field maintenance of missing, loose, or illegible plate.	
			3. Close rear door.	
			Top Panel	
17	Before	Top panel	1. Inspect top panel for damage or corroded parts.	Top panel missing or punctured.
			2. Notify field maintenance of minor corrosion or damage.	
			3. Inspect air intake and exhaust grates for debris.	
			4. Remove debris from intake and exhaust grates if present.	Clogged intake and/or exhaust grates cannot be resolved.
18	Before	ID Plate	1. Ensure ID plate is present, secure, and legible. One plate is required (WP 0005, Operation Under Usual Conditions).	
			2. Notify field maintenance of missing, loose, or illegible plate.	
19	Before	Radiator, exterior	1. Inspect for leaks.	Any Class III coolant leaks.
			2. Notify field maintenance for corrosion and Class I, II, or III leaks.	
			3. Inspect radiator for loose mounting and obstructions in cooling fins.	Damaged, loose, or missing parts (including radiator cap) or cooling fins obstructed.
			4. Notify field maintenance of defects.	
20	Before	Radiator, interior	1. Energize DCS (WP 0005, Operation Under Usual Conditions) and examine coolant temperature indicator.	
			2. Do not proceed to step 3 unless coolant temperature is below 100°F (38°C).	
			3. Remove radiator cap.	
			4. Inspect coolant color for contamination.	Milky or dirty color.

Table 1. PMCS for the AMMPS 15 kW Generator Set — Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/AVAILABLE IF:
			5. Inspect coolant level.	
			6. Add coolant as required through coolant overflow bottle (Figure 1, Item 1) (WP 0015, Service Cooling System).	
			7. Notify field maintenance of defects.	
21	Before	Muffler	1. Inspect muffler for damage, punctures, or corrosion.	Muffler punctured, damaged, or corroded through to interior.
			2. Inspect exhaust pipe for loose or corroded connection to muffler.	Exhaust pipe separated from muffler or connection corroded through to interior.
			3. Inspect muffler rain cap for proper operation, damage, or corrosion.	Rain cap missing or inoperable.
			4. Notify field maintenance of minor corrosion or damage to any part of muffler.	
			Right-Side Panel	
22	Before	Right-side panel	1. Inspect right-side panel for damage or corroded parts.	Right-side panel missing or punctured.
			2. Notify field maintenance of minor corrosion or damage.	
23	Before	ID plates and labels	1. Ensure ID plates and labels are present, secure, and legible. Six are required (WP 0005, Operation Under Usual Conditions).	
			2. Notify field maintenance of missing, loose, or illegible plates.	
24	Before	Skid base	1. Inspect skid base for cracks and corrosion.	Skid base cracked or shows signs of structural damage.
			2. Notify field maintenance of minor corrosion or damage.	
25	Before	Oil drain outlet (Figure 2, Item 5)	1. Inspect oil drain outlet (Figure 2, Item 5) for leaks.	Class III leak.
			2. Notify field maintenance of Class I, II, or III leaks.	
			3. Notify field maintenance of missing, loose, or cracked oil drain outlet (Figure 2, Item 5) cap.	
26	Before	Output box door (Figure 2, Item 6)	1. Inspect door, hinges, seals, and latch for damage and loose or corroded parts.	Door cannot be secured.
			2. Notify field maintenance of damage; loose or corroded parts.	

Table 1. PMCS for the AMMPS 15 kW Generator Set — Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/AVAILABLE IF:
27	Before	Right-side door	1. Inspect door, hinges, seals, and latch for damage; loose or corroded parts.	Door cannot be secured.
			2. Notify field maintenance of damage; loose or corroded parts.	
			Inside Output Box Door	
28	Before	Output connections	1. Open output box door (Figure 2, Item 6).	
			2. Inspect ground and load cable connections for tightness to output load board by pulling gently.	
			3. Tighten as required (WP 0005, Operation Under Usual Conditions).	Cable cannot be secured.
			4. Inspect terminals and terminal nuts for damage or corrosion.	
			5. Notify field maintenance of damage or corrosion to terminals or terminal nuts.	
29	Before	Output terminal board protective cover	1. Inspect output terminal board protective cover for cracks, corroded hinge, or damage.	Output terminal board protective cover missing or punctured, damaged or missing hinge or hinge fasteners.
			2. Notify field maintenance of corroded hinge or minor damage.	
30	Before	ID plates	1. Ensure ID plates are present, secure, and legible. Two are required (WP 0005, Operation Under Usual Conditions).	
			2. Notify field maintenance of missing, loose, or illegible plates.	
31	Before	Terminal nut wrench	1. Inspect for damage.	
			2. Notify field maintenance of damage or missing terminal nut wrench.	
			3. Close Output box door (Figure 2, Item 6).	
			Inside Right-Side Door	
32	Before	Engine and compartment base	1. Open right-side door.	
			2. Inspect for leaks.	Any classification of fuel leak. Class III oil or coolant leaks.

Table 1. PMCS for the AMMPS 15 kW Generator Set — Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/AVAILABLE IF:
33	Before	Internal exhaust pipe (Figure 2, Item 1)	1. Inspect internal exhaust pipe (Figure 2, Item 1) for damage, corrosion, or puncture.	Any puncture to internal exhaust pipe (Figure 2, Item 1).
			2. Inspect exhaust pipe clamps for looseness or corrosion.	Missing clamp or separated exhaust joint.
			3. Notify field maintenance of loose or missing clamp(s).	
34	Before	Radiator hoses and pipes (Figure 2, Item 2)	1. Inspect radiator hoses and clamps for leaks, looseness, damage, corrosion, or puncture.	Class III coolant leak, missing clamp, or puncture of hoses or pipes.
			2. Notify field maintenance of any Class I, II, or III coolant leaks.	
35	Before	Winterization kit (if installed)	1. Inspect winterization kit heater body for leaks.	Any classification of fuel leak or Class III coolant leak.
			2. Inspect winterization kit fuel pump and lines for leaks, or missing or damaged clamps.	Any classification of fuel leak or missing clamp.
			3. Inspect winterization kit coolant hoses and clamps for leaks, looseness, damage, corrosion, or puncture.	Class III coolant leak, missing clamp, or puncture of hose.
			4. Notify field maintenance of any Class I, II, or III coolant leaks.	
NOTE Oil lines are located at the oil filter/cooler, the turbocharger, the fuel injection pump, and the oil drain assembly at the bottom of the oil pan.				
36	Before	Oil lines (Figure 4, Item 5)	1. Inspect oil lines (Figure 4, Item 5) for leaks.	Class III oil leak.
			2. Notify field maintenance of Class I, II, or III oil leaks.	
			3. Ensure oil drain line ball valve is in off position.	
37	Before	Oil filter (Figure 2, Item 4)	1. Inspect oil filter (Figure 2, Item 4) for leaks.	Class III oil leak.
			2. Notify field maintenance of Class I, II, or III oil leaks.	
			3. Check oil filter (Figure 2, Item 4) for tightness manually.	
			4. Turn hand-tight if loose.	
			5. Notify field maintenance if oil filter (Figure 2, Item 4) can be turned by hand.	
38	Before	Oil level	1. Check oil level (WP 0017, Service Engine Oil).	

Table 1. PMCS for the AMMPS 15 kW Generator Set — Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/AVAILABLE IF:
			2. Add oil as required (WP 0017, Service Engine Oil).	
			3. Ensure oil fill cap is tightened securely.	Oil fill cap missing.
			4. Notify field maintenance of defects.	
39	Before	Fuel lines (Figure 1, Item 7)	1. Inspect fuel lines (Figure 1, Item 7) and fittings for leaks or corrosion.	Any classification of fuel leak.
			2. Notify field maintenance of corroded fittings.	
40	Before	Fuel filter/water separator (Figure 2, Item 3)	1. Visually inspect fuel filter/water separator (Figure 2, Item 3) for leaks, damage, or loose fittings.	Any classification of fuel leak.
			2. Notify field maintenance of loose fittings or damage.	
			3. Inspect fuel filter water/separator bowl for water or contaminants (WP 0016, Service Fuel System).	
			4. Drain water and contaminants from fuel filter/water separator (Figure 2, Item 3) if present (WP 0016, Service Fuel System).	
			5. Notify field maintenance of defects.	
41	Before	AC generator (Figure 1, Item 3)	1. Inspect AC generator (Figure 1, Item 3) for cracks, breaks, and loose or missing hardware or wiring.	Cracked generator housing, broken, or missing hardware.
			2. Inspect AC generator (Figure 1, Item 3) wiring for corrosion, breaks, and loose or missing wiring.	Loose, broken, or missing wiring.
			3. Notify field maintenance of corrosion.	
42	Before	Storage box	1. Inspect storage box for damage, missing or loose hardware, or missing contents.	
			2. Notify field maintenance of defects.	
43	Before	ID plates and labels	1. Ensure ID plates and labels are present, secure, and legible. Three are required. (WP 0005, Operation Under Usual Conditions).	
			2. Notify field maintenance of missing, loose, or illegible plates.	
			3. Close right-side door.	

Table 1. PMCS for the AMMPS 15 kW Generator Set — Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/AVAILABLE IF:
			Front Panel	
44	Before	Front panel	1. Inspect front panel for damage or corroded parts.	Front panel missing or punctured.
			2. Notify field maintenance of minor corrosion or damage.	
45	Before	ID plates	1. Ensure ID plate is present, secure, and legible. One is required. (WP 0005, Operation Under Usual Conditions).	
			2. Notify field maintenance of missing, loose, or illegible plate.	
46	Before	NATO slave receptacle (Figure 3, Item 1)	1. Inspect for damaged, loose, or corroded connections.	Damaged, loose, or corroded connections.
			2. Inspect for missing safety cap.	Safety cap missing.
			3. Notify field maintenance of defects.	
			Left-Side Panel	
47	Before	Left-side panel	1. Inspect left-side panel for damaged or corroded parts.	Left-side panel missing or punctured.
			2. Notify field maintenance of minor corrosion or damage.	
			3. Inspect air intake grate for debris.	
			4. Remove debris from intake grate if present.	Clogged intake grate cannot be resolved.
			5. Notify field maintenance of defects.	
NOTE Observe fan operation through grate on left side panel.				
48	Before	Fans	1. Inspect two fans through grate in left-side panel for damaged, cracked, nicked, or missing blades.	Missing blade, portion of blade broken off, blade cracked through 30% or more of width, blade bent out of shape.
			2. Notify field maintenance of minor damage, nicks, or cracks.	
49	Before	Left-side door	1. Inspect door, hinges, seals, and latch for damage; loose or corroded parts.	Door cannot be secured.
			2. Notify field maintenance of damage; loose or corroded parts.	
			Skid Base	
50	Before	Skid base	1. Inspect skid base for cracks and corrosion.	Skid base cracked or shows signs of structural damage.

Table 1. PMCS for the AMMPS 15 kW Generator Set — Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/AVAILABLE IF:
			2. Notify field maintenance of minor corrosion or damage.	
51	Before	Fuel drain line	1. Inspect for leaks, damage, corrosion, or missing cap (located at rear of skid base).	Any leaks or missing cap.
			2. Notify field maintenance of damage or corroded parts.	
52	Before	Fuel drain valve	1. Ensure fuel drain valve is in off position (valve handle perpendicular to line).	
			2. Inspect for leaks, damage, or corroded parts.	Any leaks.
			3. Notify field maintenance of damage or corroded parts.	
			Inside Left-Side Door	
53	Before	Engine and compartment base	1. Open left-side door.	
			2. Inspect for leaks.	Any classification of fuel leak. Class III oil or coolant leaks.
			3. Notify field maintenance of any Class I, II, or III oil or coolant leaks.	
54	Before	Battery-charging alternator (Figure 4, Item 1)	1. Inspect for loose wires or cracked housing.	Loose wires or cracked housing.
			2. Inspect battery-charging alternator (Figure 4, Item 1) belt for presence, looseness, frays, or cracks.	Belt missing, loose, frayed, or cracked.
			3. Notify field maintenance of corroded terminals, loose connections, or missing plastic terminal covers.	
55	Before	Batteries (Figure 4, Item 4) and cables	1. Inspect batteries (Figure 4, Item 4) for swollen or cracked casings, corroded terminals, loose or corroded cables and connections.	Cracked or swollen casing, disconnected cable, loose cable that can be removed by hand.
			2. Notify field maintenance of corroded or loose terminals or cables.	
56	Before	Starter (Figure 4, Item 3)	1. Inspect starter (Figure 4, Item 3) for damage, corrosion, or loose wiring.	
			2. Notify field maintenance of damage, corrosion, or loose connections or wires.	

Table 1. PMCS for the AMMPS 15 kW Generator Set — Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/AVAILABLE IF:
57	Before	Air cleaner (Figure 4, Item 2) assembly	1. Check air cleaner (Figure 4, Item 2) for damage.	Damage that restricts air flow.
			2. Check air filter restriction gage. Replace air cleaner element and reset restriction gage as required (WP 0014, Service Air Cleaner).	Tripped air flow restriction gage.
			3. Open dust ejection valve and remove dust and particles (WP 0014, Service Air Cleaner).	
			4. Notify field maintenance of defects.	
58	Before	AC generator (Figure 1, Item 3)	1. Inspect AC generator (Figure 1, Item 3) for cracks, breaks, and loose or missing hardware or wiring.	Cracked generator housing, broken, or missing hardware.
			2. Notify field maintenance of defects.	
59	Before	ID plates and labels	1. Ensure ID plates and labels are present on AC generator (Figure 1, Item 3), secure, and legible. Two are required. (WP 0005, Operation Under Usual Conditions).	
			2. Notify field maintenance of missing, loose, or illegible plate.	
60	Before	Radiator hoses and pipes (Figure 2, Item 2)	1. Inspect radiator hoses and clamps for leaks, looseness, damage, corrosion, or punctures.	Class III coolant leak, missing clamp, or puncture of hoses or pipes.
			2. Notify field maintenance of any Class I, II, or III coolant leaks.	
61	Before	Document box	1. Inspect document box for damage, missing or loose hardware, or missing contents.	
			2. Notify field maintenance of defects.	
62	Before	Grounding rod storage clamps	1. Inspect grounding rod storage clamps for damage or corrosion.	
			2. Notify field maintenance of damage or corrosion.	
			3. Notify field maintenance for corrosion.	
			4. Close left-side door.	
			5. Start generator set (WP 0005, Operation Under Usual Conditions).	

Table 1. PMCS for the AMMPS 15 kW Generator Set — Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/AVAILABLE IF:
			Rear Panel and Inside Rear Door	
			During	
63	During	DCS	1. Inspect main screen indicators for proper operation, erratic display, obvious improper reporting (example: unit overheated, coolant temperature indicates 150°F (65.5°C)) (WP 0005, Operation Under Usual Conditions).	Indicators not operating properly.
			2. Check battery voltage on DCS operator's main screen (WP 0005, Operation Under Usual Conditions).	Battery voltage is below 16 VDC.
			3. Ensure circuit interrupter is closed as required.	
			4. Close as required.	Circuit interrupter will not remain closed.
			5. Notify field maintenance of defects.	
NOTE Coolant fill cap and hoses available through top panel.				
64	During	Coolant overflow bottle (Figure 1, Item 1)	1. Inspect for leaks or loose hoses.	Class III coolant leak or missing cap.
			2. Check coolant level (WP 0015, Service Cooling System).	
			3. Notify field maintenance of defects.	
65	During	Convenience receptacle (Figure 1, Item 4)	1. Reset GFCI circuit breaker after [Contactor Closed] has appeared on DCS (WP 0005, Operation Under Usual Conditions).	
			2. Notify field maintenance of defects.	
66	During	Engine	1. Check color of exhaust smoke.	Exhaust smoke is black, white, or blue.
			2. Listen for any unusual engine noises.	Unusual, severe engine noises.
			3. Notify field maintenance of defects.	

Table 1. PMCS for the AMMPS 15 kW Generator Set — Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/AVAILABLE IF:
67	During	Ground rod and connections	1. Inspect for arcing, damage, corrosion, and loose connections.	Arcing, damage, corrosion, or loose connections.
			2. Notify field maintenance of corroded parts.	
68	During	Rear door	1. Inspect door, hinges, seals, and latch for damage; loose or corroded parts.	Door cannot be secured.
			2. Notify field maintenance of damage; loose or corroded parts.	
69	During	Fuel tank (Figure 1, Item 6)	1. Open rear door.	
			2. Inspect fuel tank (Figure 1, Item 6) for leaks, damage, or loose or missing parts.	Any classification of fuel leak, damage, or any loose or missing parts.
			3. Notify field maintenance of defects.	
70	During	Fuel system hoses (Figure 1, Item 7)	1. Inspect for leaks or damaged, loose, or missing parts.	Any classification of fuel leak or damaged, loose, or missing parts.
			2. Notify field maintenance of defects.	
71	During	Fuel pumps and fuel manifold (Figure 1, Item 5)	1. Inspect fuel pumps and fuel manifold (Figure 1, Item 5) for leaks or damage.	Any classification of fuel leak or damage.
			2. Notify field maintenance of defects.	
72	During	Electrical connections	1. Inspect (visually only) electrical connectors at relay panel and wiring harness for looseness.	
			2. Notify field maintenance of defects.	
73	During	Relay panel	1. Inspect (visually only) relay panel cover for damage.	Relay panel cover punctured.
			2. Close rear door.	

Table 1. PMCS for the AMMPS 15 kW Generator Set — Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/AVAILABLE IF:
			Inside Right-Side Door	
CAUTION Operating generator set with doors open or with panels removed for an extended length of time will cause engine to overheat. Do not operate generator with doors open or panels removed for longer than necessary to complete your task. Monitor DCS temperature indicator to prevent engine overheating. Failure to comply will cause damage to equipment.				
74	During	Engine and compartment base	1. Open right-side door.	
			2. Inspect for leaks.	Any classification of fuel leak. Class III oil or coolant leaks.
			3. Notify field maintenance of any Class I, II, or III oil or coolant leaks.	
NOTE Oil lines are located at the oil filter/cooler, the turbocharger, the fuel injection pump, and the oil drain assembly at the bottom of the oil pan.				
75	During	Oil lines (Figure 4, Item 5)	1. Inspect oil lines (Figure 4, Item 5) for leaks.	Class III oil leak.
			2. Notify field maintenance of Class I, II, or III oil leaks.	
76	During	Fuel lines (Figure 1, Item 7) and fuel filter/water separator (Figure 2, Item 3)	1. Inspect fuel lines (Figure 1, Item 7), fittings, and fuel filter/water separator (Figure 2, Item 3) for leaks or corrosion.	Any classification of fuel leak.
			2. Notify field maintenance of defects.	
NOTE Check engine oil level each time the fuel tank (Figure 1, Item 6) is filled or once every 8 hr when operating continuous operation utilizing an auxiliary fuel source.				
77	During	Oil level	1. Check oil level (WP 0017, Service Engine Oil).	
			2. Add oil as required (WP 0017, Service Engine Oil).	
			3. Ensure oil fill cap is tightened securely.	Oil fill cap missing.
			4. Notify field maintenance of defects.	

Table 1. PMCS for the AMMPS 15 kW Generator Set — Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/AVAILABLE IF:
78	During	AC generator set	1. Inspect for excessive noise and vibration.	Excessive noise and/or vibration.
			2. Inspect for external damage, arcing, and loose connections.	Signs of damage, arcing, or loose connections.
			3. Notify field maintenance of defects.	
			4. Close right-side door.	
			Skid Base	
79	During	Fuel drain fitting	1. Inspect fuel drain for leaks, missing cap, or damage.	Any classification of fuel leak or missing cap.
			2. Notify field maintenance of defects.	
			NOTE Observe fans operation through grate on left side panel.	
			Left-Side Panel and Inside Left-Side Door	
80	During	Cooling fans	1. Inspect for obstruction, damage, and looseness.	Damaged or loose fan.
			2. Notify field maintenance of defects.	
			CAUTION Operating generator set with doors open or with panels removed for an extended length of time will cause engine to overheat. Do not operate generator with doors open or panels removed for longer than necessary to complete your task. Monitor DCS temperature indicator to prevent engine overheating. Failure to comply will cause damage to equipment.	
81	During	Engine and compartment base	1. Open left-side door.	
			2. Inspect for leaks.	Any classification of fuel leak. Class III oil or coolant leaks.
			3. Notify field maintenance of any Class I, II, or III fuel, oil or coolant leaks.	
82	During	AC generator set	1. Inspect for excessive noise and vibration.	Excessive noise and/or vibration.
			2. Inspect for external damage, arcing, and loose connections.	Signs of damage, arcing, or loose connections.
			3. Notify field maintenance of defects.	
			4. Close left-side door.	

Table 1. PMCS for the AMMPS 15 kW Generator Set — Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/AVAILABLE IF:
NOTE Allow generator set to cool for 15 min before performing after operation PMCS. Perform after operation PMCS in the sequence indicated, beginning at the rear panel and proceeding counterclockwise to the left-side panel.				
			After	
83	After	Fuel fill (Figure 1, Item 8)	1. Clean fuel fill (Figure 1, Item 8) area of dirt and debris (WP 0016, Service Fuel System).	
			2. Inspect the auxiliary fuel connections for damaged, corroded, or missing parts.	Damaged, corroded, or missing parts.
			3. Inspect cap and strainer for dirt, wear, and defects.	Damaged or missing cap. Punctured or missing strainer.
			4. Inspect chain and gasket for wear.	Damaged or missing gasket.
			5. Inspect grounding stud (fuel fill static ground) for damage or corrosion.	Grounding stud (fuel fill static ground) missing or corroded.
			6. Notify field maintenance of defects.	
84	After	Fuel tank (Figure 1, Item 6)	1. Refill fuel tank (Figure 1, Item 6) to capacity (WP 0016, Service Fuel System).	
			2. Notify field maintenance of defects.	
85	After	Coolant overflow bottle (Figure 1, Item 1).	1. Inspect for leaks, cracks, loose hoses, or missing cap.	Class III coolant leak. Missing cap.
			2. Connect loose hoses.	Hose cannot be reconnected.
			3. Check coolant level (WP 0015, Service Cooling System).	
			4. Fill cooling system as required (WP 0015, Service Cooling System).	
			5. Notify field maintenance of defects.	
86	After	Output connections	1. Inspect ground and load cable connections for tightness to output load board by pulling gently.	
			2. Tighten as required (WP 0005, Operation Under Usual Conditions).	

Table 1. PMCS for the AMMPS 15 kW Generator Set — Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/AVAILABLE IF:
			3. Inspect terminals and terminal nuts for indications of arcing or high temperature.	Terminal board shows evidence of arcing or high temperature.
			4. Notify field maintenance of defects.	
87	After	Output terminal board protective cover	1. Inspect output terminal board protective cover for indications of arcing or high temperature.	Output terminal board protective cover missing, cracked through, or melted. Missing or damaged hinge or hinge fasteners.
			2. Notify field maintenance of defects.	
88	After	Oil drain outlet (Figure 2, Item 5)	1. Inspect oil drain outlet (Figure 2, Item 5) for leaks.	Class III leak.
			2. Notify field maintenance of Class I, II, or III leaks.	
			3. Notify field maintenance of missing, loose, or cracked oil drain outlet (Figure 2, Item 5) cap.	
89	After	Engine and compartment base right-side	1. Inspect for leaks.	Any classification of fuel leak. Class III oil or coolant leaks.
			2. Notify field maintenance of any Class I, II, or III oil or coolant leaks.	
90	After	Oil level	1. Check oil level (WP 0017, Service Engine Oil).	
			2. Add oil as required (WP 0017, Service Engine Oil).	
			3. Notify field maintenance of defects.	
91	After	Fuel drain fitting	1. Inspect fuel drain for leaks, missing cap, or damage.	Any classification of fuel leak. Missing fuel drain cap.
			2. Ensure fuel drain cap is tightened securely.	Fuel drain cap missing.
			3. Notify field maintenance of defects.	
92	After	Batteries (Figure 4, Item 4)	1. Inspect batteries (Figure 4, Item 4) for cracked or swollen casings or corroded terminals.	Cracked or swollen casing.
			2. Notify field maintenance of corroded terminals.	
93	After	Battery cables	1. Inspect battery cables for corrosion or loose connections.	

Table 1. PMCS for the AMMPS 15 kW Generator Set — Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/AVAILABLE IF:
			2. Notify field maintenance of corroded or loose connections.	
94	After	Engine and compartment base, left side.	1. Inspect for leaks.	Any classification of fuel leak. Class III oil or coolant leaks.
			2. Notify field maintenance of any Class I, II, or III oil or coolant leaks.	
95	After	Intake and exhaust grates	1. Clean debris from all intake and exhaust grates.	
			2. Notify field maintenance of defects.	
96	After	Radiator, interior	1. Energize DCS (WP 0005, Operation Under Usual Conditions) and examine coolant temperature indicator.	
			2. Do not proceed to step 3 until coolant temperature is below 100°F (38°C).	
			3. Remove radiator cap.	
			4. Inspect coolant color for contamination.	Milky or dirty color.
			5. Inspect coolant level and add as required (WP 0015, Service Cooling System).	
			6. Notify field maintenance of defects.	

END OF WORK PACKAGE