

Summary Report for Individual Task
091-94R-1103

Repair Radar Countermeasures Test Set TS-3615/ALQ-136
Status: Approved

Distribution Restriction: Approved for public release; distribution is unlimited.

Destruction Notice: None

Foreign Disclosure: FD6 - This product/publication has been reviewed by the product developers in coordination with the CASCOM/ FT. LEE foreign disclosure authority. This product is releasable to students from foreign countries on a case-by-case basis.

Condition: You are in an Operational Environment (OE), a non-mission capable Countermeasures Test Set TS-3615/ALQ-136 and a DA Form 2407, Maintenance Request have been submitted to your shop. Your supervisor has assigned the work order to you for repair. At your workstation you have the following items: Countermeasures Test Set TS-3615/ALQ-136; Dual-trace Oscilloscope AN/USM-488; Digital Multimeter, AN/PSM-45A; Power Meter AN/USM-491; Microwave Frequency Counter TD-1225A(V)2/U; Frequency Meter HP-532A; Adapter HP-P281B/OPT 013 (two each); termination, 50-ohm (two each); termination, 100-ohm (two each); termination, 1000-ohm (two each); TK-105/G Tool Kit ; DA Form 2404 Equipment Inspection and Maintenance Worksheet; DA Form 2407; local SOP; TM 11-6625-2884-30; TM 11-6625-2884-30P and DA Pam 738-751, Functional Users Manual for the Army Maintenance Management System Aviation. NOTE: Substitutions for equipment may be made per test equipment modernization (TEMOD) publications. Some iterations of this task should be performed in MOPP 4.

Standard: Restore the Radar Countermeasures Test Set TS-3615/ALQ-136 to an operational status using TM 11-6625-2884-30 and TM 11-6625-2884-30P. Complete without error DA Form 2407 using DA Pam 738-751.

Special Condition: None

Safety Risk: Low

MOPP 4: Sometimes

Task Statements

Cue: Your supervisor has directed you to repair a non-mission capable Radar Countermeasures Test Set TS-3615/ALQ-136 that was submitted to your shop. You are to correctly complete DA Form 2407.

DANGER

None

WARNING

Do not be misled by the term "low voltage". Potentials as low as 50 volts may cause death under adverse conditions.

Never work on electronic equipment unless there is another person nearby who is familiar with the operation and hazards of the equipment and who is competent in administering first aid. When the technician is aided by operators, he must warn them about dangerous areas. Whenever possible, the power supply to the equipment must be shut off before beginning work on the equipment. Take particular care to ground every capacitor likely to hold a dangerous potential. When working inside the equipment, after the power has been turned off, always ground every part before touching it. Be careful not to contact high-voltage connections or 115 volts ac input connections when installing or operating this equipment. Whenever the nature of the operation permits, keep one hand away from equipment to reduce the hazard of current flowing through the body.

CAUTION

None

Remarks: None

Notes: None

Performance Steps

1. Obtain required tools, test equipment and reference materials.
2. Complete appropriate blocks on DA Form 2407 per DA PAM 738-751.
3. Perform visual inspection.
4. Set up test equipment per TM 11-6625-2884-30.
5. Verify faults on DA Form 2407 using troubleshooting chart in Chapter 3, Section III of TM 11-6625-2884-30.
6. Troubleshoot the Radar Countermeasure Test Set TS-3615/ALQ-136 using the troubleshooting chart in Chapter 3, Section III of TM 11-6625-2884-30.
7. Identify the defective part (s) per TM 11-6625-2884-30 and TM 11-6625-2884-30P.
8. Replace defective part (s) with operational ones per TM 11-6625-2884-30 and TM 11-6625-2884-30P.
9. Perform operational checks per TM 11-6625-2884-30.
10. Complete appropriate blocks on DA Form 2407 per DA Pam 738-751.
11. Tag defective part (s) for turn-in per DA Pam 738-751.
12. Notify supervisor upon completion of task.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show the Soldier what was done wrong and how to do it correctly.

Evaluation Preparation: Ensure all items required in the condition statement (or appropriate substitutions) are on hand and all safety requirements are met.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Obtained all required tools, test equipment, and reference materials.			
2. Completed appropriate blocks on DA Form 2407 per DA Pam 738-751.			
3. Performed visual inspection.			
4. Properly set up test equipment per TM 11-6625-2884-30.			
5. Verified faults on DA Form 2407 using troubleshooting chart in chapter 3, Section III of TM 11-6625-2884-30			
6. Performed troubleshooting the Radar Countermeasure Test Set TS-3615/ALQ-136 using the troubleshooting chart in Chapter 3, Section III of TM 11-6625-2884-30.			
7. Identified the defective part(s) per TM 11-6625-2884-30 and TM 11-6625-2884-30P.			
8. Replaced defective part(s) with operational ones per TM 11-6625-2884-30 and TM 11-6625-2884-30P.			
9. Performed operational checks per TM 11-6625-2884-30.			
10. Completed appropriate blocks on DA Form 2407 per DA Pam 738-751.			
11. Tagged defective part (s) for turn-in per DA PAM 738-751.			
12. Notified supervisor upon completion of task.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	DA FORM 2404	EQUIPMENT INSPECTION AND MAINTENANCE WORKSHEET	Yes	No
	DA FORM 2407	MAINTENANCE REQUEST	Yes	No
	PAM 738-751	FUNCTIONAL USER'S MANUAL FOR THE ARMY MAINTENANCE MANAGEMENT SYSTEM-AVIATION (TAMMS-A) http://www.apd.army.mil/pdffiles/p738_751.pdf	No	No
	TM 11-6625-2884-30	AVIATION INTERMEDIATE MAINTENANCE MANUAL FOR TEST SET, COUNTERMEASURES SET, TS-3615/ALQ-136(V) (NSN 6625-01-121-8984) {NAVAIR 16-35TS3615-2}	No	No
	TM 11-6625-2884-30P	AVIATION UNIT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST FOR TEST SET, COUNTERMEASURES SET, TS-3615/ALQ-136(V) (NSN 6625-01-121-8984) {NAVAIR 16-35TS3615-4.2}	No	No

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT. In an Operational Environment (OE), it is the responsibility of the Soldier and DA Civilians to protect the environment from damage.

All operations must conform to the Army Environmental Program, TC 3-34.489 (The Soldier and the Environment), FM 3-100.4 (Environmental Consideration in Military Operations), and local, state, and federal environmental policies, the Clean Air Act (CAA), CAA amendments, National Ambient Air-Quality Standards (NAAQS), as well as Occupational Safety and Health Administration (OSHA), Hazard Communication Standard for Industry, 29 CFR, part 1910.

Safety: In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training,

leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination. Incidental to Army operations and activities, all operations must provide for public safety, safe and healthful work places, procedures, and equipment. Observe all safety precautions when using lifting devices and handling heavy parts. Observe all safety and/or environmental precautions regarding electricity, radiation, radio frequency (RF), fuel, lubricants, high pressures, and refrigerants. Provide ventilation for exhaust fumes during equipment operation and use hearing protection when required in accordance with AR 385-10, (The Army Safety Program) the Clean Air Act (CAA), CAA amendments, National Ambient Air-Quality Standards (NAAQS), and the Occupational Safety and Health Administration (OSHA) Hazard Communication standard.

Prerequisite Individual Tasks : None

Supporting Individual Tasks : None

Supported Individual Tasks : None

Supported Collective Tasks : None