

**Summary Report for Individual Task
091-94E-1026
Repair TSEC/KY-57/KY-58
Status: Approved**

DISTRIBUTION RESTRICTION: Approved for public release; distribution is unlimited.

DESTRUCTION NOTICE: None

Condition: In an operational environment your supervisor tasks you to troubleshoot and repair a non-mission capable TSEC/KY-57/KY-58. At your workstation you have the following items: Test Set, ST-58; Tool Kit, TK-105(*)/G; TM 11-5810-262-23, TM 11-5810-256-34&P, TM 11-5810-262-34P, TM 11-5810-369-13&P, TB 11-5810-393-24, DA Pam 750-8, DA Form 2404, DA Form 2407 and Local Standard Operation Procedure (SOP). NOTE: Equivalent tools, test equipment, and accessories may be substituted with like items.

Standard: 1. Repaired the TSEC/KY-57/KY-58 in accordance applicable technical manuals. 2. Completed all maintenance forms and records in accordance with DA Pam 750-8 without error. 3. Ensured all safety precautions are observed without violation.

Special Condition: None

Special Standards: None

Special Equipment:

Safety Level: Low

MOPP:

Task Statements

Cue: Your supervisor tasks you to troubleshoot and repair a non-mission capable TSEC/KY-57/KY-58.

DANGER

None

WARNING

- 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 technicians are aided by operators, they must be warned 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 volt ac input connections when installing or operating this equipment.
- Whenever the nature of the operation permits, keep one hand away from the 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 in accordance with the technical manual.
2. Fill appropriate blocks on maintenance request forms in accordance with DA PAM 750-8.
3. Perform visual inspection.
4. Set up test equipment in accordance with the technical manual.
5. Load key variable into KY-57 or KY-58.
6. Perform operational checks.
7. Verify faults using appropriate troubleshooting chart.
8. Identify defective part(s).
9. Replace defective part(s).
10. Perform necessary printed-circuit board adjustments in accordance with the technical manual.
11. Repeat operational check to verify repair.
12. Finalize appropriate blocks on maintenance request forms in accordance with DA PAM 750-8.
13. Tag defective part(s) for turn-in.
14. Notify supervisor upon completion of task.

(Asterisks indicates a leader performance step.)

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 required tools, test equipment, and references.			
2. Completed appropriate blocks on maintenance request forms.			
3. Performed visual inspection.			
4. Set up test equipment in accordance with technical manual.			
5. Loaded key variable into KY-57 or KY-58.			
6. Performed operational checks.			
7. Verified faults using appropriate troubleshooting chart.			
8. Identified defective part(s).			
9. Replaced defective part(s).			
10. Performed necessary printed-circuit board adjustments.			
11. Repeated operational checks to verify repair.			
12. Completed appropriate blocks on maintenance request forms.			
13. Tagged defective part(s) for turn-in.			
14. 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	No	No
	DA FORM 2407	MAINTENANCE REQUEST FORM	No	No
	LOCAL SOP	LOCAL SOP	No	No
	PAM 750-8	The Army Maintenance Management System (TAMMS) Users Manual.	Yes	No
	TB 11-5810-393-24	STRAPPING AND INTERFACE INSTRUCTIONS FOR COMMUNICATIONS SECURITY	No	No
	TB 385-4	SAFETY REQUIREMENTS FOR MAINTENANCE OF ELECTRICAL AND ELECTRONIC EQUIPMENT	No	No
	TM 11-5810-256-34P	DIRECT SUPPORT, GENERAL SUPPORT AND SPECIALIZED REPAIR ACTIVITY	No	No
	TM 11-5810-262-23	(O) UNIT AND DIRECT SUPPORT MAINTENANCE MANUAL FOR COMMUNICATIONS SECURITY EQUIPMENT TSEC/KY-58 (NSN 5810-00-449-0154), SECURITY EQUIPMENT TSEC/KY-58 (NSN 5810-00-449-0154), Z-AHP (NSN 6625-01-026-9623), Z-	No	No
	TM 11-5810-262-34P	DIRECT SUPPORT AND SPECIALIZED REPAIR ACTIVITIES (SRA) MAINTENANCE	No	No
	TM 11-5810-369-13&P	(O) OPERATORS, UNIT AND DIRECT SUPPORT MAINTENANCE MANUAL, TEST SET ST-58 (NSN 5810-01-173-6242) KG-84 (SERIES) TEST ADAPTER Z-APD (NSN 5810-01-276-4811) VINSON TEST ADAPTER Z-APA (NSN 5810-01-173-1421)	No	No

Environment: All operations must conform to the Army Environmental Program, TC 3-34.489 (The Soldier and the Environment), 3-34.5 (ENVIRONMENTAL CONSIDERATIONS {MCRP 4-11B}), AR 200-1 Environmental Protection and Enhancement), local, state, and federal environmental policies, The Clean Air Act (CAA), CAA amendments, National Ambient Air-Quality Standards (NAAQS), as well as OSHA Hazard Communication Standard for Industry, 29 CFR, part

1910.

Safety: In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Composite Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET 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, NBC Protection, FM 3-11.5, CBRN Decontamination. Incidental to Army operations and activities, all operations must provide for public safety, safe and healthful workplaces, 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 OSHA Communication Standard.

Prerequisite Individual Tasks : None

Supporting Individual Tasks : None

Supported Individual Tasks : None

Supported Collective Tasks :

Task Number	Title	Proponent	Status
09-2-4000	Perform Direct Support Maintenance Operations (EAD)	09 - Ordnance (missiles and munitions) (Collective)	Approved
43-2-4552	Perform Field Maintenance	09 - Ordnance (missiles and munitions) (Collective)	Approved

ICTL Data :

ICTL Title	Personnel Type	MOS Data
94E Radio Communications Security Repairer Skill Level 1	Enlisted	MOS: 94E, Skill Level: SL1