

Report Date: 30 Apr 2012

**Summary Report for Individual Task
091-94E-1005
Repair Amplifier-Adapter Vehicular AM-7239(*)/VRC
Status: Approved**

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

DESTRUCTION NOTICE: None

Condition: In an operational environment, a customer unit has submitted a maintenance request for a faulty AM-7239(*)/VRC. Upon receiving the open work order, your section Sergeant assigns the job to you for repair. At your workstation you have the following items: Military Power Supply; Radio Test Set, AN/GRM-122; Interconnecting Group, ON-373B; Tool Kit, TK-105(*)/G; TM 11-5820-890-13&P; DA Pam 750-8; DA 2404; DA 2407 and Local Standard Operation Procedure (SOP). NOTE: Equivalent tools, test equipment, and accessories may be substituted with like items.

Standard: 1. Repaired the AM-7239(*)/VRC in accordance with TM 11-5820-890-13&P. 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 Section Sergeant has directed you to restore the faulty AM -7239(*)/VRC to a fully mission capable status in accordance with TM 11-5820-890-13&P.

DANGER

None

WARNING

HIGH VOLTAGE is present during testing and troubleshooting of AM-7239/VRC. DEATH ON CONTACT can result, observe the following safety precautions:

If at all possible, work on the equipment only when another person is nearby who is competent in CARDIOPULMONARY RESUSCITATION (CPR)

DO NOT BE MISLED by the terms "low voltage" and "low potential". Voltages/potentials as low as 50 volts can cause DEATH under certain conditions.

Remove or tape all personal metal objects (e.g., watches, rings, and medallions) before working on CE 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.

For Artificial Respiration, refer to FM 21-11.

CAUTION

This equipment contains parts sensitive to damage by electrostatic discharge (ESD).

Remarks: None

Notes: SINCGARS Technical Manual, TM 11-5820-890-13&P, is comprised of 12 volumes; it covers the Operator, Field Maintenance, and Repair Parts and Special Tools List (RPSTL) for the SINCGARS ground family of radios.

Performance Steps

1. Obtain required tools, test equipment. (TM 11-5820-890-13&P)
 2. Fill appropriate blocks on maintenance request forms. (DA PAM 750-8)
 3. Perform visual inspection.
 - a. Inspect.
 - (1) Front panel connectors.
 - (2) Rear panel connector.
 - (3) Chassis.
 - b. Repair any fault that would interfere with automated troubleshooting.
 4. Set up test equipment. (TM 11-5820-890-13&P)
 5. Perform operational checks.
 6. Skip to PS #11 if equipment passes operational check, if not, continue to next PS.
 7. Troubleshoot equipment according to TM 11-5820-890-13&P.
 8. Identify defective module(s) or component(s).
 9. Replace defective module(s) or component(s).
 10. Repeat operational check PS #5, to verify repair.
 11. Finalize appropriate blocks on maintenance request forms. (DA Pam 750-8)
 12. Tag defective part(s) for turn-in. (DA Pam 750-8)
 13. Notify supervisor upon completion of task.
- (Asterisks indicates a leader performance step.)

Evaluation Preparation: None

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Obtained required tools, test equipment.			
2. Completed appropriate blocks on maintenance request forms.			
3. Performed visual inspection.			
4. Set up test equipment.			
5. Performed operational checks.			
6. Proceeded to PS #11 or PS #7 after operational check results.			
7. Performed Troubleshooting according to TM 11-5820-890-13&P.			
8. Identified defective module(s) or component(s).			
9. Replaced defective module(s) or component(s).			
10. Verified repair through operational check.			
11. Finalized appropriate blocks on maintenance request forms.			
12. Tagged defective part(s) for turn-in.			
13. 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.	No	No
	TB 385-4	SAFETY REQUIREMENTS FOR MAINTENANCE OF ELECTRICAL AND ELECTRONIC EQUIPMENT	No	No
	TM 11-5820-890-13&P	OPERATOR AND FIELD MAINTENANCE MANUAL INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST FOR SINGGARS GROUND ICOM COMBAT NET RADIO	Yes	Yes

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 Clear 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

ICTL Data :

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