

Summary Report for Individual Task
091-94E-1202
Repair Receiver-Transmitter RT-*/ARC-201(V)*
Status: Approved

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

Destruction Notice: None

Foreign Disclosure: FD5 - This product/publication has been reviewed by the product developers in coordination with the Fort Lee/CASCOM foreign disclosure authority. This product is releasable to students from all requesting foreign countries without restrictions.

Condition: In an operational environment, an RT- (*)/ARC-201(V) (*) and a DA Form 2407, Maintenance Request have been turned in to your Shop. Your supervisor has directed you to restore the RT to operational status, given the following: Receiver Transmitter RT-(*)/ARC-201(V)(*); AN/GRM-122; Tool Kit TK-105/G; applicable repair parts; Static Work Station, NSN 4940-01-087-3458; TM 11-5821-333-13&P-1; TM 11-5821-333-13&P-2; DA Form 2404, Equipment Inspection and Maintenance Worksheet; DA Form 2407; DA Pam 738-751, Functional User's Manual for the Army Maintenance Management System-Aviation (TAMMS-A); TB 385-4, Safety Requirements For Maintenance of Electrical and Electronic Equipment and Local Standard Operating Procedure (SOP). NOTE: If any of the above equipment is not available, us equivalent equipment This task should not be trained in MOPP 4.

Standard: Restore the RT to operational status in accordance with the technical manual and the references listed in the performance measures.

Special Condition: None

Safety Risk: Low

MOPP 4: Never

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| Task Statements |
|------------------------|

Cue: You have been directed by your supervisor to restore a Non-Mission Capable RT-(*)/ARC-201(V)(*) to operational status.

DANGER

None

WARNING

RF ENERGY may be present near the antenna during transmission. DO NOT touch or stand within 30 inches of antenna when the RT is keyed.

HIGH VOLTAGE is used in the radio. DEATH ON CONTACT can result. Observe the following safety precautions:

- If at all possible, work on the equipment only when another person is nearby. That person should be competent in CARDIOPULMONARY RESUSCITATION (CPR).

- DO NOT BE MISLED by the terms "low voltage"and "low potential". Voltages and potentials as low as 50 volts can cause death.

- Remove or tape all your exposed personal metal objects when working on C-E equipment.

CAUTION

Failure to observe all precautions when working with electronic equipment can cause permanent damage to the electrostatic sensitive device. This damage can cause the device to fail immediately or at a later date when exposed to an adverse environment.

Remarks: None

Notes: None

Performance Steps

1. Obtain required tools and test equipment. (TM 11-5821-333-13&P-1)
2. Complete appropriate blocks on DA Form 2407. (DA PAM 738-751)
3. Perform visual inspection.
4. Perform Safe to turn on check.
5. Connect test equipment. (TM 11-5821-333-13&P-1)
6. Perform Operational Check. If check passes, proceed to step 12, if check fails, continue to PS #7.
7. Perform troubleshooting procedures.
8. Identify defective part.
9. Replace defective part.
10. Tag defective part(s) for Technical Inspection and Turn In. (DA PAM 738-751)
11. Repeat operational Check PS #6.
12. Complete DA Form 2407. (DA PAM 738-751)
13. Request final inspection. (Refer to local SOP)

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score the Soldier GO if all performance measures are passed (P). Score the Soldier NO-GO if any performance measure is failed (F). If the Soldier fails any performance measure, show 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 required tools and test equipment. | | | |
| Note : | | | |
| 2. Completed appropriate blocks on maintenance request forms. | | | |
| 3. Performed visual inspection. | | | |
| 4. Performed safe to turn on check. | | | |
| 5. Connected test equipment. | | | |
| 6. Performed Operational Check. If check passed, proceeded to PS #12, if check failed, continued to PS #7. | | | |
| 7. Performed troubleshooting procedures. | | | |
| 8. Identified defective part. | | | |
| 9. Replaced defective part. | | | |
| 10. Tagged defective part(s) for Technical Inspection and Turn In. | | | |
| 11. Repeated operational Check PS #6. | | | |
| 12. Completed DA Form 2407. | | | |
| 13. Requested final inspection. | | | |

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 |
| | LOCAL SOP | LOCAL SOP | Yes | No |
| | PAM 738-751 | FUNCTIONAL USER'S MANUAL FOR THE ARMY MAINTENANCE MANAGEMENT SYSTEM-AVIATION (TAMMS-A) http://www.apd.army.mil/pdf/files/p738_751.pdf | No | No |
| | TB 385-4 | SAFETY REQUIREMENTS FOR MAINTENANCE OF ELECTRICAL AND ELECTRONIC EQUIPMENT | Yes | No |
| | TM 11-5821-333-13&P-1 | OPERATOR AND FIELD MAINTENANCE MANUAL INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST FOR SINGARS AIRBORNE ICOM AND NON-ICOM COMBAT NET RADIOS NON-ICOM AIRBORNE RADIO AN/ARC-201(V) | Yes | No |
| | TM 11-5821-333-13&P-2 | OPERATOR AND FIELD MAINTENANCE MANUAL INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST FOR SINGARS AIRBORNE ICOM AND NON-ICOM COMBAT NET RADIOS NON-ICOM AIRBORNE RADIO AN/ ARC-201(V) | Yes | 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. It is the responsibility of every soldier and DA civilian 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 3-34.5 (Environmental Considerations); 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