

**Summary Report for Individual Task
091-94R-1720**

**Repair Altimeter Set AN/APN-209 V(*)
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 FT.LEE/CASCOM 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), with a non-mission capable Altimeter Set, AN/APN-209 V(*) that has been submitted to your Shop along with DA Form 2407, Maintenance Request and DA Form 2404, Equipment Inspection and Maintenance Worksheet. Your supervisor has assigned the work order to you for repair. At your workstation you have the following items: Altimeter Set AN/APN-209V(*); TK-100/G tool kit; Oscilloscope AN/USM-281C; TM 11-5841-292-13&P, DA Form 2404; DA Form 2407 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 Altimeter Set, Electronic AN/APN-209 V (*) to fully mission capable condition using TM 11-5841-292-13&P . Use DA Pam 738-751 to complete DA Form 2407, without error, and ensure all safety precautions are observed.

Special Condition: None

Safety Risk: Low

MOPP 4: Sometimes

Task Statements

Cue: Your supervisor has directed you to repair a non-mission capable AN/APN-209 V(*) using TM 11-5841-292-13&P.

DANGER

None

WARNING

This equipment emits electromagnetic radiation at the waveguide output and within the directional pattern of the antenna. Do not work on the equipment or stand in the directional path of the antenna while the equipment is operating.

CAUTION

The devices of the AN/APN-209 V(*) Electronic Altimeter Set, with the exception of the antenna, contain electrostatic discharge sensitive (ESDS). These devices can be damaged during removal or repair. All work performed during removal or repair must be done in an ESD-protected area according to DOD-STD-1686 and DOD-HDBK-263. Tools and equipment that come in contact with ESDS devices must also be grounded.

Remarks: None

Notes: None

Performance Steps

1. Obtain all required tools, test equipment and reference materials using TM 11-5841-292-13&P.
2. Complete appropriate blocks on DA Form 2407 per DA Pam 738-751.
3. Perform visual inspection.
4. Set up test equipment using TM 11-5841-292-13&P.
5. Verify faults listed on DA Form 2407 using appropriate troubleshooting chart in TM 11-5841-292-13&P.
6. Perform troubleshooting on the AN/APN-209 V(*) using the troubleshooting chart in TM 11-5841-292-13&P.
7. Identify defective component (s) using TM 11-5841-292-13&P.
8. Replace defective component (s) with operational parts using TM 11-5841-292-13&P.
9. Perform operational checks using TM 11-5841-292-13&P.
10. Complete appropriate blocks on DA Form 2407 per DA Pam 738-751.
11. Tag defective component(s) for turn in using 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 using TM 11-5841-292-13&P.			
2. Completed appropriate blocks on DA Form 2407 using DA Pam 738-751.			
3. Performed visual inspection.			
4. Properly set up test equipment using TM 11-5841-292-13&P.			
5. Verified faults listed on DA Form 2407 using appropriate troubleshooting chart in TM 11-5841-292-13&P.			
6. Performed troubleshooting procedures on the AN/APN-209 V(*) using the troubleshooting chart in TM 11-5841-292-13&P.			
7. Identified defective component(s) using TM 11-5841-292-13&P.			
8. Replaced defective component (s) using TM 11-5841-292-13&P			
9. Performed operational checks using TM 11-5841-292-13&P.			
10. Completed appropriate blocks on DA Form 2407 per DA Pam 738-751.			
11. Tagged defective component (s) for turn-in using 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	No	No
	DA FORM 2407	MAINTENANCE REQUEST	No	No
	PAM 738-751	FUNCTIONAL USER'S MANUAL FOR THE ARMY MAINTENANCE MANAGEMENT SYSTEM-AVIATION (TAMMS-A) http://www.apd.army.mil/pdf/p738_751.pdf	No	No
	TM 11-5841-292-13&P	OPERATORS, AVIATION UNIT, AND AVIATION INTERMEDIATE MAINTENANCE MANUAL (INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST) ALTIMETER SET, ELECTRONIC AN/APN-209A(V)1 (NSN 5841-01-098-4339), AN/APN-209A(V)2 (5)	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. In an operational environment, 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); local, state, and federal environmental policies; the Clean Air Act (CAA) and CAA amendments; National Ambient Air-Quality Standards (NAAQS); as well as Occupational Safety and Health Administration (OSHA); and 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.

Prerequisite Individual Tasks : None

Supporting Individual Tasks : None

Supported Individual Tasks : None

Supported Collective Tasks : None