

Summary Report for Individual Task  
091-94R-1500

Repair the Aviator's Night Vision Imaging System AN/AVS-6  
Status: Approved

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**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 Aviator's Night Vision Imaging System AN/AVS-6 that has been submitted to your Shop along with DA Form 2407, Maintenance Request; DA Form 2404, Equipment Inspection and Maintenance Worksheet; DA Form 2408-30, NVG Inspection and Maintenance Record and DA Form 2408-15, Historical Record for Aircraft. Your supervisor has assigned the work order to you for repair. At your workstation you have the following items: Collimator Attachment Diopterscope; nitrogen tank, purge adapter, purging kit; jeweler's screwdriver set; 25W-115W soldering iron; spanner wrench; test Set, Electronics System TS-3895A/UV; tube retainer tool or equivalent equipment; DA Form 2404; DA Form 2407; DA Form 2408-30; DA Form 2408-15; TM 11-5855-313-23&P; current Aviation Safety Action Message (ASAM), 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. This task should not be trained in MOPP 4.

**Standard:** Restore the Aviator's Night Vision Imaging System AN/AVS-6 to operational status using TM 11-5855 313-23&P. Complete without error DA Form 2407; DA Form 2408-30 and DA Form 2408-15 using DA Pam 738-751.

**Special Condition:** None

**Safety Risk:** Low

**MOPP 4:** Never

<b>Task Statements</b>
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**Cue:** Your supervisor has directed you to repair a non-mission capable AN/AVS-6 Submitted to your shop.

<b>DANGER</b>
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None

<b>WARNING</b>
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Failure to wear eye protection, while soldering, may result in severe eye injury.

The image intensifier's phosphor screen in each monocular contains toxic materials.

If an image intensifier assembly breaks, be extremely careful to avoid inhaling the phosphor screen material. DO NOT allow the material to come in contact with the mouth or open wounds on the skin.

If the phosphor screen material contacts your skin, wash it off immediately with soap and water.

If you inhale/swallow any phosphor screen material, drink plenty of water, induce vomiting, and seek medical attention as soon as possible.

## CAUTION

DO NOT etch any information (i.e. S/N) anywhere into the ANVIS.

Keep the protective lens caps on the binocular when not in use. Operate the ANVIS only under dark conditions.

DO NOT use acetone to clean the lenses or any other components of the ANVIS.

Aviation Maintenance Company (AMC) maintenance personnel are not authorized to open the ANVIS binocular.

The use of 3.6 volt AA Lithium Batteries, NSN 6135-01-301-8776, will destroy the intensifier tubes and is PROHIBITED.

**Remarks:** None

**Notes:** None

### Performance Steps

1. Obtain all required tools, test equipment and references 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 11-5855-313-23&P.
5. Verify faults listed on maintenance forms using appropriate troubleshooting chart in TM 11-5855-313-23&P.
6. Perform troubleshooting procedures on the AN/AVS-6 using the troubleshooting chart in TM 11-5855-313-23&P.
7. Identify defective part (s) per TM 11-5855-313-23&P.
8. Replace defective part (s) per TM 11-5855-313-23&P.
9. Perform operational checks per TM 11-5855-313-23&P.
10. Complete appropriate blocks on DA Form 2407, DA Form 2408-30 and DA Form 2408-15 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 11-5855-313-23&P.			
5. Verified faults listed on maintenance forms using appropriate troubleshooting chart in TM 11-5855-313-23&P.			
6. Performed troubleshooting procedures on the AN/AVS-6 using the troubleshooting chart in TM 11-5855-313-23&P.			
7. Identified defective part (s) per TM 11-5855-313-23&P.			
8. Replaced defective part (s) per TM 11-5855-313-23&P.			
9. Performed operational checks per TM 11-5855-313-23&P.			
10. Completed appropriate blocks on DA Form 2407, DA Form 2408-30 and DA Form 2408-15 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	No	No
	DA FORM 2407	MAINTENANCE REQUEST	Yes	No
	DA FORM 2408-15	HISTORICAL RECORD FOR AIRCRAFT	No	No
	DA FORM 2408-30	NVG INSPECTION AND MAINTENANCE RECORD	No	No
	PAM 738-751	FUNCTIONAL USER'S MANUAL FOR THE ARMY MAINTENANCE MANAGEMENT SYSTEM-AVIATION (TAMMS-A) <a href="http://www.apd.army.mil/pdf/files/p738_751.pdf">http://www.apd.army.mil/pdf/files/p738_751.pdf</a>	No	No
	TM 11-5855-313-23&P	AVIATION UNIT AND INTERMEDIATE MAINTENANCE MANUAL INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST FOR AVIATORS NIGHT VISION IMAGING SYSTEM (ANVIS) AN/AVS-6(V)3 (NSN 5855-01-475-7061) (EIC: IPW)	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, 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