

ROUTINE

TB 1-1520-248-20-40

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

INSPECTION AND CLEANING INTERVALS FOR THE COUNTERMEASURES SET AN/ALQ-144 IR JAMMER TRANSMITTER ON OH-58D HELICOPTERS

Headquarters, Department of the Army, Washington, D.C.

18 JULY 1997

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NOTE

THIS PUBLICATION IS EFFECTIVE UNTIL 20 JULY
1999 UNLESS SOONER RESCINDED OR SUPERSEDED.

1. Priority Classification. ROUTINE.

a. Aircraft in use. Upon receipt of this technical bulletin the condition status symbol of the cited aircraft will be changed to a Red Horizontal Dash // - //. The Red Horizontal Dash // - // may be cleared when the maintenance actions of paragraph 9 below are completed. The affected aircraft shall have maintenance performed as soon as practical but no later than the Task/Inspection suspense date. Failure to comply requirements of this Technical Bulletin within the time frame specified will cause the status symbol of the affected aircraft to be upgraded to a Red // X //.

b. Aircraft in Depot Maintenance. Aircraft will not be issued until compliance with this Technical Bulletin has been completed.

c. Aircraft undergoing maintenance. Aircraft will not be released until compliance with this Technical Bulletin has been completed.

d. Aircraft in transit.

(1) Surface/Air shipment. Same as paragraph 1.a..

(2) Ferry status. Same as paragraph 1.a.

e. Maintenance Trainers. (Category B). Same as paragraph 1.a.

f. Component/Parts in Stock Including War Reserves at all Levels (depot and Others). N/A.

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2. Task/Inspection Suspense Date. At the next 20 Hour/14 day Preventive Maintenance Services (PMS) inspection (for external cleaning) and the next 40 hour Progressive Phase Maintenance (PPM) inspection (for internal cleaning).

3. Reporting Compliance Suspense Date. No later than 30 days after receipt of this Technical Bulletin per instructions in paragraph 14.a.

4. Summary of Problem.

a. AN/ALQ-144 IR Jammers have demonstrated a high failure rate because of its location and proximity to engine exhaust. Testing has demonstrated that the AN/ALQ-144 IR Jammer can be expected to fail approximately every 79 flight hours. Tests were conducted with the modified low smoke combustion liner installed.

b. For manpower/downtime and funding impacts see paragraph 12.

c. The purpose of this Technical Bulletin (TB) is to establish external and internal cleaning intervals for the AN/ALQ-144 IR Jammer. External cleaning will be accomplished at each 20 Hour/14 Day Preventive Maintenance Services (PMS) Inspection at the minimum by AVUM. internal cleaning will be accomplished by AVIM at each 40 hour Progressive Phase Maintenance (PPM) inspection.

5. End Items to be Inspected. All OH-58D Model Helicopters.

6. Assembly Components to be Inspected. N/A

7. Parts to be removed/installed.

a. Parts to be removed. N/A.

b. Parts to be installed. N/A.

6. Inspection Procedures. Inspect the AN/ALQ-144 IR Jammer at each 20 Hour/14 Day Preventive Maintenance Services (PMS) Inspection (if installed).

9. Correction Procedures.

a. At the minimum AVUM clean the exterior of the AN/ALQ-144 IR Jammer (TM 11-5865-200-12) at each 20 Hour/14 Day Preventive Maintenance Services (PMS) inspection.

b. At each 40 hour Progressive Phase Maintenance (PPM) Inspection, (1 thru 15) remove the AN/ALQ-144 IR Jammer (TM 11-5865-200-12). Turn the AN/ALQ-144 IR Jammer into AVIM and have them accomplish the internal cleaning (TM 11-5865-200-34-1).

10. Supply/Parts and Disposition.

a. Parts Required. N/A.

b. Bulk and Consumable Material. N/A.

c. Disposition. Dispose of removed parts in accordance with local supply procedures. N/A.

d. Disposition of Hazardous Material. N/A.

11. Special Tools, Jigs and Fixtures Required. N/A.

12. Application.

a. Category of Maintenance.

(1) AVUM for inspection, external cleaning and removal and installation.

(2) AVIM for internal cleaning.

b. Estimated Time Required.

(1) Total of 1.0 man-hour for inspection and external cleaning.

(2) Total of 1.0 down time for one end item.

(3) Total of 1.0 man-hours for removal and installation.

(4) Total of 2.0 man-hours for internal cleaning.

(5) Total of 3.0 hours downtime for one end item.

c. Estimated Cost Impact of Stock Fund Items to the Field. N/A.

d. TB/MWOS to be Applied Prior to or Concurrently with this inspection. N/A.

e. Publications Which Require Change as a Result of This Technical Bulletin. TM 1-1520-248-PPM shall be changed at the next scheduled change to reflect this Technical Bulletin.

13. References.

a. TM 1-1520-248-PPM, OH-58D Helicopter, Progressive Phase Maintenance inspection Checklist and Preventive Maintenance Services, dated 15 October 1993, as changed.

b. TM 11-5865-200-12, Countermeasures Sets AN/ALQ-144A(V)1, -144A(V)3. dated 15 Jul 91, as changed.

c. TM 11-5865-200-34-1, Countermeasures Sets AN/ALQ-144A(V)1, -144A(V)3. dated 15 Oct 91, as changed.

14. Recording and Reporting Requirements.

a. Reporting Compliance Suspense Date (Aircraft). Upon entering requirements of this Technical Bulletin on DA Form 2408-13-1 on all subject MDS aircraft, forward a priority message, Datafax or E-Mail to Logistical Point of Contact referenced in paragraph 16.b. Datafax number is DSN 693-1438 or Commercial (314) 263-1438. E-Mail address is <lorenz@st-louis-peo5.army.mil>. The report will cite this Technical Bulletin number, date of entry in DA Form 2408-13-1, the aircraft mission design series and serial numbers of aircraft in numerical order.

b. Task/Inspection Reporting Suspense Date (Aircraft). N/A.

c. Reporting Compliance Suspense Date (Spares). N/A.

d. Task/Inspection Reporting Suspense Date (Spares). N/A.

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e. The following forms are applicable and are to be completed in accordance with DA Pam 738-751, 15 Jun 92.

- (1) DA Form 2408-13, Aircraft Status information Record.
- (2) DA Form 2408-13-1, Aircraft inspection and Maintenance Record.
- (3) DA Form 2408-13-2, Related Maintenance Action Record.
- (4) DA Form 2408-15, Historical Record for Aircraft.

15. Weight and Balance. N/A.

16. Points of Contact for this Technical Bulletin.

- a. Technical, Mr. Gene Mergel AMSAT-R-EIO, DSN 693-9885 or Commercial (314) 263-9885.
- b. Logistical, Mr. Robert Lorenz, SFAE-AV-ASH-L, DSN 693-1301, of Commercial (314) 263-1301.
- c. Forms and Records, Ms. Ann Waldeck, AMSAT-I-MDM, DSN 693-1821/1758 or Commercial (314) 263-1821/1758.
- d. Foreign Military Sales (FMS), Recipients requiring clarification of action advised by this message should contact CW5 Jay Nance/Mr. Ron Van Rees, AMSAT-I-IAF, DSN 693-3826/3659 or Commercial (314) 263-3826/3659.
- e. After hours, contact ATCOM Command Operations Center (COC), DSN 693-2066/2067 or Commercial (314) 263-2066/2067.

By Order of the Secretary of the ARMY

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