URGENT

***TB 1-1520-243-20-26**

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

OIL DEBRIS DETECTION SYSTEM (ODDS) INFORMATIONAL BULLETIN FOR ALL AH-1 AND UH-1 SERIES AIRCRAFT

Headquarters, Department of the Army, Washington, D.C.
17 April 1998

NOTE

THIS PUBLICATION IS EFFECTIVE UNTIL RESCINDED OR SUPERCEDED.

1. Priority Classification. URGENT.

a. Aircraft in Use. N/A.

b. Aircraft in Depot Maintenance N/A.

c. Aircraft Undergoing Maintenance N/A.

d. Aircraft in Transit. N/A.

e. Maintenance Trainers (Category A and B). N/A.

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

g. Components/Parts in Work (Depot Level and Others). N/A.

2. Task Inspection/Suspense Date. N/A.

***This TB supersedes USAATCOM Aviation Safety Action Message 301651Z, MAR 98, AH-1-98-ASAM-02 and UH-1-98-ASAM-04.**

3. Reporting Compliance Suspense Date. N/A.

4. Summary of Problem.

a. A one-time and recurring inspection of the ODDS Power Module was required TB 1-1520-243-20-25 (UH-1-98-ASAM-01/AH-1-98-ASAM-01). These correction procedures allowed for the repair of the Power Module by the manufacturer, TEDECO. However, if the Power Module is removed as a result of this inspection, or for any other reason on ODDS-equipped AH-1 and UH-1 aircraft, the aircraft is still considered fully mission capable (FMC). Since the power module normally bums off nuisance debris (fuzz), more frequent chip detector lights are likely with the Power Module removed. Normal ODDS chip light procedures cannot be used in this case.

NOTE

Users are reminded that IAW TB 1-1520-243-20-25 (UH-1-98-ASAM-01/AH-1-98-ASAM-01), aircraft using the ODDS are still required to perform engine and transmission oil sampling every 25 hours.

b. For Manpower/Downtime and Funding Impacts see Paragraph 12.

c. The purpose of this TB is to provide guidance for chip light procedures with the ODDS Power Module removed.

5. End Items To Be Inspected. N/A.

6. Assembly Components To Be Inspected. N/A.

7. Parts To Be Inspected. N/A.

8. Inspection Procedures. N/A.

9. Correction Procedures.

a. When the ODDS Power Module is not installed, use chip light procedures established in the applicable TM for **non-ODDS** equipped aircraft.

b. If there is any uncertainty about the type of debris found, the normal procedures prescribed in the applicable TM and TB 1-1520-243-20-25 (UH-1-98-ASAM-01/AH-1-98-ASAM-01) should be followed.

NOTE

Only the manufacturer, TEDECO, is authorized to repair the ODDS Power Module. The cost to repair this unit is now $240, and includes replacement of the capacitors, removal of corrosion, coating of the circuit board and a factory functional test of the Power Module.

10. Supply/Parts and Disposition. N/A.

a. Parts Required. N/A

b. Requisitioning Instructions. N/A.

c. Bulk and Consumable Materials. N/A.

d. Disposition. N/A.

e. Disposition of Hazardous Material. N/A.

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

12. Application.

a. Category of Maintenance. N/A.

b. Estimated Time Required. N/A.

c. Estimated Cost Impact to the Field. N/A.

d. TB/MWOs to be Applied prior to or concurrently with this Inspection. TB 1-1520-243-20-25.

e. Publications which Require Change as a Result of this Inspection. Both TM 55-1520-210-23-2 and TM 55-1520-236-23-2 shall be changed to reflect this TB. A copy of this TB shall be inserted in the appropriate TMs as authority to implement this change until the printed change is received.

13. References.

a. TM 55-1520-210-23-2.

b. TM 55-1520-236-23-2.

c. TB 1-1520-243-20-25 (UH-1-98-ASAM-01/AH-1-98-ASAM-01)

14. Recording and Reporting Requirements. N/A.

a. Reporting Compliance Suspense Date (Aircraft). N/A.

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

c. Reporting TB Receipt (Spares). N/A.

d. Task/Inspection Reporting Suspense Date (Spares) for Materiel in Wholesale Depot or Retail Storage. N/A.

e. The Following Forms are Applicable and are to be Completed in Accordance with DA PAM 738-751,15 JUN 92. N/A.

15. Weight and Balance. N/A.

16. Points of Contact.

a. Technical point of contact for this TB is Mr. Mark Jeude, AMSAM-AR-E-P-T, DSN 897-4960 or (256) 313-4960. Datafax is DSN 897-4957 or (256) 313-4957. E-mail is <jeude-mj@redstone.army.mil>. Alternate POC is Mr. Ralph Vemmer, AMSAM-AR-E-I, DSN 645-0663, email <vemmer-rc@redstone.army.mil>.

b. Logistics point of contact for this TB is Mr. Charles Elkins, AMSAM-DSA-UH-U, DSN 645-0073 or (256) 955-0073. Datafax is DSN 645-6590 or (256) 955-6590. E-Mail is <elkins-ce@redstone.army.mil>.

c. Safety point of contact for this TB is Mr. Robert Brock, AMSAM-SF-A, DSN 788-8632 or (256) 842-8632. Datafax is DSN 897-2111 or (256) 313-2111. E-mail is <brock-rd@redstone.army.mil>.

d. Foreign Military Sales (FMS) recipients requiring clarification of action advised by this TB should contact CW5 Joseph L. Wittstrom, Security Assistance Management, AMSAM-SA, DSN 897-0869 or (256) 313-0681. E-mail is <wittstrom-jl@redstone.army.mil>. Alternate POC is Mr. Ronnie W. Sammons, AMSAM-SA-CS-NF, DSN 897-0869 or (256) 313-0869. Datafax is DSN 897-0411. E-mail is <sammons-rw@redstone.army.mil>. (Huntsville is GMT minus 6 hrs).

e. After hours contact AMCOM Command Operations Center (COC) DSN 897-206612067 or commercial (256) 313-2066/7.

17. Reporting of Errors and Recommending Improvements. You can help improve this TB. If you find any mistakes or know of a way to improve these procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to: Commander, U.S. Army Aviation and Missile Command, ATTN: AMSAM-MMC-LS-LP, Redstone Arsenal, Alabama 35898-5230. You may also submit your recommended changes by E-mail to <ls-lp@redstone.army.mil>, or by fax at (256) 842-6546 or DSN 788-6546. A reply will be furnished directly to you. Instructions for sending an electronic 2028 may be found a! the back of most TMs.

By Order of the Secretary of the Army:

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THE METRIC SYSTEM AND EQUIVALENTS

'NEAR MEASURE

. Centimeter = 10 Millimeters = 0.01 Meters = 0.3937 Inches
1 Meter = 100 Centimeters = 1000 Millimeters = 39.37 Inches
1 Kilometer = 1000 Meters = 0.621 Miles

'VEIGHTS

Gram = 0.001 Kilograms = 1000 Milligrams = 0.035 Ounces
1 Kilogram = 1000 Grams = 2.2 lb.
1 Metric Ton = 1000 Kilograms = 1 Megagram = 1.1 Short Tons

LIQUID MEASURE

1 Milliliter = 0.001 Liters = 0.0338 Fluid Ounces
1 Liter = 1000 Milliliters = 33.82 Fluid Ounces

SQUARE MEASURE

1 Sq. Centimeter = 100 Sq. Millimeters = 0.155 Sq. Inches
1 Sq. Meter = 10,000 Sq. Centimeters = 10.76 Sq. Feet
1 Sq. Kilometer = 1,000,000 Sq. Meters = 0.386 Sq. Miles

CUBIC MEASURE

1 Cu. Centimeter = 1000 Cu. Millimeters = 0.06 Cu. Inches
1 Cu. Meter = 1,000,000 Cu. Centimeters = 35.31 Cu. Feet

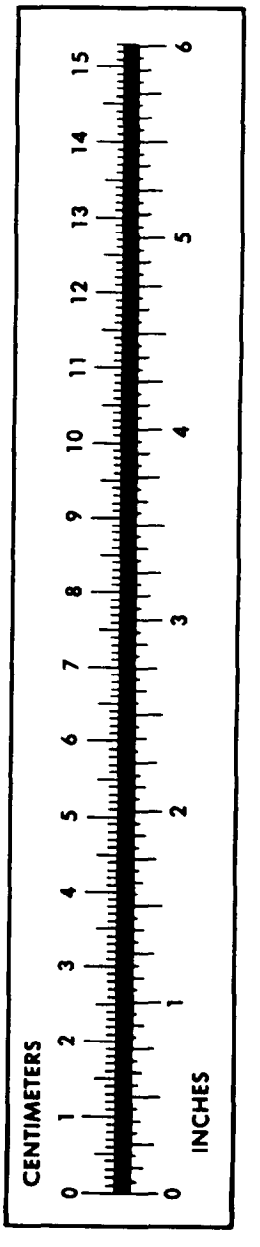
TEMPERATURE

5/9(°F - 32) = °C
212° Fahrenheit is evuivalent to 100° Celsius
90° Fahrenheit is equivalent to 32.2° Celsius
32° Fahrenheit is equivalent to 0° Celsius
9/5C° + 32 =°F

APPROXIMATE CONVERSION FACTORS

TO CHANGE	TO	MULTIPLY BY
Inches	Centimeters	2.540
Feet	Meters	0.305
Yards	Meters	0.914
Miles	Kilometers	1.609
Square Inches	Square Centimeters	6.451
Square Feet	Square Meters	0.093
Square Yards	Square Meters	0.836
Square Miles	Square Kilometers	2.590
Acres	Square Hectometers	0.405
Cubic Feet	Cubic Meters	0.028
Cubic Yards	Cubic Meters	0.765
Fluid Ounces	Milliliters	29.573
ıts	Liters	0.473
arts	Liters	0.946
allons	Liters	3.785
Ounces	Grams	28.349
Pounds	Kilograms	0.454
Short Tons	Metric Tons	0.907
Pound-Feet	Newton-Meters	1.356
Pounds per Square Inch	Kilopascals	6.895
Miles per Gallon	Kilometers per Liter	0.425
Miles per Hour	Kilometers per Hour	1.609

TO CHANGE	TO	MULTIPLY BY
Centimeters	Inches	0.394
Meters	Feet	3.280
Meters	Yards	1.094
Kilometers	Miles	0.621
Square Centimeters	Square Inches	0.155
Square Meters	Square Feet	10.764
Square Meters	Square Yards	1.196
Square Kilometers	Square Miles	0.386
Square Hectometers	Acres	2.471
Cubic Meters	Cubic Feet	35.315
Cubic Meters	Cubic Yards	1.308
Milliliters	Fluid Ounces	0.034
Liters	Pints	2.113
Liters	Quarts	1.057
ers	Gallons	0.264
ms	Ounces	0.035
ograms	Pounds	2.205
Metric Tons	Short Tons	1.102
Newton-Meters	Pounds-Feet	0.738
Kilopascals	Pounds per Square Inch	0.145
lometers per Liter	Miles per Gallon	2.354
meters per Hour	Miles per Hour	0.621



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