

Contents

1. Subject
2. Priority Classification
3. Task/Inspection Suspense Date
4. Reporting Compliance Suspense Date
5. Summary of Problem
6. End Items To Be Inspected
7. Assembly Components to be Inspected
8. Parts to be Inspected
9. Inspection Procedures
10. Correction Procedures
11. Supply/Parts and Disposition
12. Special Tools and Fixtures Required
13. Application
14. References
15. Recording and Reporting Requirements
16. Weight and Balance
17. Points of Contact

*UH-1-00-ASAM-02
T53 engine
components*

Display Without Table Of Contents

NO FROM :CDRAMCOM REDSTONE ARSENAL AL//AMSAM-SF-A// TO :AIG 8881 :AIG
9004 :AIG 7515 :AIG 7471 :AIG 12124 :DCMC APMO OZARK AL//DCMDE-
AOA// :CDRAMCOM REDSTONE ARSENAL AL//AMSAM-RA-FO// :ASF42 81ST ARCOM
DOBBINS AFB GA :DEPT OF STATE AIR WING PATRICK AFB FL :CDRCBDCOM
ABERDEEN PROVING GROUND MD//AMSCB-OPA// :USAATC ABERDEEN PROVING
GROUND MD//STEAC-CO-P// :RAYTHEON RANGE SYSTEMS ENGINEERING KWAJALEIN
MH//PAT2// :STEW'S ARMY AIR HOLLOWAN AFB NM//STEW'S-NRO-F// :CDRDPG
DUGWAY UT//STEDP-AVN// :USDOC LANDSOUTHEAST IZMIR TU//AV// :WALLOPS
FLIGHT FACILITY NASA WALLOPS ISLAND VA : //CODE 831.2 AIRCRAFT QA//
INFO :HQAFSPCCSS PETERSON AFB CO//LGM/SEF// :CDRMDW WASHINGTON
DC//ANLG-LS// :SECDEF WASHINGTON DC//USDP-DSAA// :SECSTATE WASHINGTON
DC//NEA/INL// :AFSOC HURLBURT FIELD FL//LGMW// :HQ PACAFDPC HICKAM AFB
HI//DO/LGM// :HQAMC SCOTT AFB IL//LG/LGF/LGQ/DO/DOV/DOX/SEF// :89AW
ANDREWS AFB MD//LG// :89OG ANDREWS AFB MD//CC/OGV// :1HS ANDREWS AFB
MD//CC/DO// :NAVAVNDEPOT CHERRT PT NC//HI-JSST// :CDR FT BRAGG NC//AFZA-GT-
OM// :CDR HQ 1ST COSCOM FT BRAGG NC//LOGOPS AVN SECT// :PM SW FT
MONMOUTH NJ//SFAE-IEWS-SG// :FAA AERONAUTICALCEN OKLAHOMA CITY
OK//AFS-620// :DISC PHILADELPHIA PA//QEBB-JU// :CDR LSE AVIATION IZMIR
TU//LSE// :HQ AETC RANDOLPH AFB TX//DO/DOF/SEF// :FAA SOUTHWEST RGN HQ
FORT WORTH TX//ASW-100// :CDRUSASMDC ARLINGTON VA//CSSD/ZA// XMT : ACCT :
TEXT

Subject

AVIATION SAFETY ACTION MESSAGE, MAINTENANCE MANDATORY,

RCS CSGLD-1860(R1), AH-1 AND UH-1 (T53 SERIES ENGINE), VERIFICATION
OF TIME ON T53 ENGINE COMPONENTS REQUIRING HISTORICAL DATA REPORTS,
UH-1-00-ASAM-01 / UH-1-00-ASAM-02, (TB 1-2840-229-20-23).

NOTE

THIS IS AN AVIATION SAFETY ACTION MESSAGE ISSUED IAW AR 95-1, CHAPTER 6, 1 SEP 97. THIS MESSAGE HAS NOT BEEN TRANSMITTED TO UNITS SUBORDINATE TO ADDRESSEES. ADDRESSEES SHOULD IMMEDIATELY RETRANSMIT THIS MESSAGE TO ALL SUBORDINATE UNITS, ACTIVITIES OR ELEMENTS AFFECTED OR CONCERNED. THE RETRANSMITTAL SHALL REFERENCE THE MESSAGE. ACTION ADDRESSEES WILL IMMEDIATELY VERIFY THIS TRANSMISSION TO CDR, ANCOM, ATTN: AMSAM-SF-A (SOF COMPLIANCE OFFICER).

Priority Classification

A. AIRCRAFT IN USE - UPON RECEIPT OF THIS MESSAGE THE CONDITION STATUS SYMBOL OF THE CITED AIRCRAFT WILL BE CHANGED TO A RED DASH//-. THE RED DASH//-. MAY BE CLEARED WHEN THE INSPECTION OF PARA 8 IS COMPLETED. THE AFFECTED AIRCRAFT SHALL BE INSPECTED AS SOON AS PRACTICAL BUT NO LATER THAN THE TASK/INSPECTION SUSPENSE DATE. FAILURE TO COMPLY WITH THE REQUIREMENTS OF THIS MESSAGE WITHIN THE TIME FRAME WILL CAUSE THE STATUS SYMBOL TO BE UPGRADED TO A RED //X//.

B. AIRCRAFT IN DEPOT MAINTENANCE - N/A.

C. AIRCRAFT UNDERGOING MAINTENANCE - SAME AS PARA 1A, AIRCRAFT WILL NOT BE RELEASED UNTIL COMPLIANCE WITH THIS ASAM HAS BEEN COMPLETED.

D. AIRCRAFT IN TRANSIT -

(1) SURFACE/AIR SHIPMENT - WITHIN 7 DAYS OF ARRIVAL.

(2) FERRY STATUS - WITHIN 7 DAYS OF ARRIVAL, INSPECT AT FINAL DESTINATION.

E. MAINTENANCE TRAINERS (CATEGORY A AND B) - SAME AS PARA 1A.

F. COMPONENT/PARTS IN STOCK AT ALL LEVELS (DEPOT AND OTHERS) INCLUDING WAR RESERVES - UPON RECEIPT OF THIS MESSAGE THE MATERIAL CONDITION TAGS OF ALL ITEMS IN ALL CONDITION CODES LISTED IN PARAGRAPH 6 SHALL BE ANNOTATED TO READ "AH-1-00-ASAM-01 / UE-1-00-ASAM-02, (TS 1-2840-229-20-23), VERIFICATION OF TIME ON TS3 ENGINE COMPONENTS REQUIRING HISTORICAL DATA REPORTS, NOT COMPLIED WITH".

(1) WHOLESALE STOCK - N/A.

(2) RETAIL STOCK - UPON RECEIPT OF THIS MESSAGE

COMMANDERS AND OTHERS MAINTAINING RETAIL STOCK AT INSTALLATION LEVEL AND BELOW SHALL CONTACT THE SUPPORTED AVIATION UNIT TO PERFORM THE INSPECTION REQUIRED BY PARAGRAPH 8 AND THE CORRECTION PROCEDURES OF PARAGRAPH 9. REPORT COMPLIANCE WITH THIS MESSAGE IAW PARAGRAPH 14D(2).

G. COMPONENTS/PARTS IN WORK (DEPOT LEVEL AND OTHERS) - ITEMS LISTED IN PARAGRAPH 6 IN WORK WILL NOT BE ISSUED UNTIL COMPLIANCE WITH THIS MESSAGE.

Task/Inspection Suspense Date

14 DAYS FROM THE DTG OF THIS

MESSAGE.

Reporting Compliance Suspense Date

- NO LATER THAN 9 NOV 99

IAW PARA 14A OF THIS MESSAGE.

Summary of Problem

A. THE ARMY WILL BE INSTITUTING A COMPONENT LIFE MANAGEMENT PROGRAM FOR THE T53 SERIES ENGINE. SERVICE LIFE LIMITS WILL BE

ESTABLISHED FOR SOME ROTATING COMPONENTS IN THE ENGINE.

B. FOR MANPOWER/DOWNTIME AND FUNDING IMPACTS SEE PARA 12.

C. THE PURPOSE OF THIS MESSAGE IS -

(1) TO COLLECT OPERATING TIME DATA ON AFFECTED ROTATING ENGINE COMPONENTS. THE DATA SHALL BE USED TO ESTABLISH LIFE LIMITS TO BE PUBLISHED IN A FOLLOW ON MESSAGE.

(2) TO REPORT IF THE N2 COATED SPUR GEAR HAS BEEN INSTALLED.

End Items To Be Inspected

- ALL UH-1 AND AH-1 AIRCRAFT WITH

T53-L-13B AND T53-L-703 ENGINES INSTALLED, P/N 1-000-060-22, NSN 2840-00-134-4803 AND P/N 1-000-060-23, NSN 2840-00-621-1860.

Assembly Components to be Inspected

- THE ENGINE RECORDS

FOR THE FOLLOWING COMPONENTS ARE TO BE INSPECTED:

NOMENCLATURE	PART NO.	NSN
ENGINE, AIRCRAFT, TURBINE	1-000-060-22	2840-00-134-4803
ENGINE, AIRCRAFT, TURBINE	1-000-060-23	2840-00-621-1860

Parts to be Inspected

- THE ENGINE RECORDS ARE TO BE

INSPECTED FOR THE FOLLOWING COMPONENTS:

NOMENCLATURE	PART NO.	NSN
SECOND STAGE GP DISC	1-100-063-05	2840-00-924-8521
IMPELLER	1-100-078-07	2840-00-176-3745
IMPELLER	1-100-078-13	2840-01-304-1058
FIRST STAGE GP DISC	1-100-133-01	2840-00-924-7933
FIRST GP SEALING DISC	1-100-135-03	2840-00-925-2972
GP SPACER	1-100-294-03	5365-00-947-6225
FRONT COMPRESSOR SHAFT	1-100-495-07	2840-01-006-1118
POWER SHAFT	1-100-800-04	2840-00-943-2206
DISC AND HUB	1-101-250-04	2840-01-154-7142
DISC AND HUB	1-101-250-03	2840-00-176-3746
SECOND FT DISC	1-140-272-04	2840-01-008-5986
FIRST FT DISC	1-190-009-05	2840-00-925-9560
COATED SPUR GEAR	1-070-062-06	3020-01-455-7341

Inspection Procedures

A. REVIEW THE ENGINE DA FORM 2408-16 TO OBTAIN THE FOLLOWING DATA ON ALL COMPONENTS LISTED IN PARAGRAPH 7.

NOTE

THE ONLY INFORMATION REQUIRED ON THE COATED N2 SPUR GEAR IS IF IT IS INSTALLED (YES/NO).

(1) ENGINE SERIAL NUMBER AND YES/NO IF THE N2 COATED SPUR GEAR IS INSTALLED.

(2) COMPONENT SERIAL NUMBER

(3) COMPONENT CURRENT OPERATING HOURS

(4) UNIT IDENTIFICATION CODE

(5) UNIT

(6) STATION

(7) POINT OF CONTACT/PHONE NUMBER/E-MAIL

B. IF THE EXACT PART NUMBER IN THE LIST ABOVE IS NOT IN THE ENGINE RECORD, PLEASE DESCRIBE ONE OF THE FOLLOWING:

- (1) NO RECORD EXISTS OF THIS PART IN THE ENGINE RECORD.
- (2) THE ACTUAL PART LISTED IN THE ENGINE RECORD IS X-XXX-XXX-XX (FILL IN IF POSSIBLE) AND THE HOURS ARE XX (FILL IN IF POSSIBLE).

Correction Procedures

- PROVIDE DATA COLLECTED FROM

PARAGRAPH 8 ON ALL COMPONENTS IAW PARA 14B OF THIS MESSAGE BY FAX OR EMAIL.

Supply/Parts and Disposition

- 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.

Special Tools and Fixtures Required

- N/A.

Application

- A. CATEGORY OF MAINTENANCE - AVUM. AIRCRAFT DOWNTIME WILL BE CHARGED TO AVUM MAINTENANCE.
- B. ESTIMATED TIME REQUIRED
FOR RECORDS CHECK: A TOTAL OF 1.0 MAN-HOURS USING 1 PERSON.
- C. ESTIMATED COST IMPACT TO THE FIELD - N/A.
- D. TB/MMOS TO BE APPLIED PRIOR TO OR CONCURRENTLY WITH THIS INSPECTION - N/A.
- E. PUBLICATIONS WHICH REQUIRE CHANGE AS A RESULT OF THIS INSPECTION - N/A.

References

- N/A.

Recording and Reporting Requirements

- A. REPORTING COMPLIANCE SUSPENSE DATE (AIRCRAFT) - UPON ENTERING REQUIREMENTS OF THIS MESSAGE ON DA FORM 2408-13-1 ON ALL SUBJECT MDS AIRCRAFT, FORWARD A PRIORITY MESSAGE, DATAFAX OR EMAIL TO CDR, AMCOM, ATTN: AMSAM-SF-A (SOF COMPLIANCE OFFICER), REDSTONE ARSENAL, AL 35898-5000, IAW AR 95-1. DATAFAX NUMBER IS DSN 897-2111 OR (256) 313-2111. E-MAIL ADDRESS IS "SAFEADM@REDSTONE.ARMY.MIL". THE REPORT WILL CITE THIS MESSAGE 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) - UPON COMPLETION OF INSPECTION, UNITS WILL FORWARD A PRIORITY