CDRATCOM ST LOUIS MO//AMSAT-R-X//
AIG 6713
AIG 9004
AIG 9042
AIG 8708
AIG 7515
AIG 7471
AIG 12124
DCM APMO OZARK AL//DCMDS-RCQA//
CDR4THBN228THAVN SOTO CANO HO//AVN-AMO//
102DARMY SCOTT AFB IL//AFRC-AMO-ASF-IL//
CDRAPGSA ABERDEEN PROVING GROUND MD//STEAP-PF-V//
AMEMBASSY NAIROBI KE//SOMALI LIAISON OFFICE//
CDRCBD COM ABERDEEN PROVING GROUND MD//AMSCB-CMA//
JOHNSON CONWORLD SVCINC KWAJALEIN MH//PAT2//
DIRAAD HOLLoman AFB NM//STEW-AA/GE/GS//
USCS CNAC OKLAHOMA CITY OK//AMI//
USDOC O LANDSOUTHEAST IZMIR TU//AV//
DPRO BELL HELICOPTER FORT WORTH TX//DCMDS-RBOS/RBP//
CDROSAC FT BELVOIR VA//ANAV-OS/ANAV-RW-M/ANAV-CP//

CF: AMCPM-CO, AMSAT-I-WAU, AMSAT-R-EIH, AMSAT-R-ECH, AMSAT-I-IAF,
AMSAT-I-ILNO(RAAF), AMSAT-I-LOS(AOC), AMSAT-I-ILNO(IS)

JIM WILKINS, AEROSPACE ENGINEER MINIMIZE CONSIDERED
AMSAT-R-X, X2258

NORBERT R. KNIEPP, X2178

UNCLASSIFIED 111612Z APR 95
WALLOPS FLIGHT FACILITY NASA WALLOPS ISLAND VA/
CODE 831.2 AIRCRAFT QA/
INFO TSM ATK HEL FT RUCKER AL//AT2Q-TSM-A//
HQAFSPC PETERSON AFB CO//LGMR/
CDRUSASDC WASHINGTON DC//CSSD-ZA/
SEC STATE WASHINGTON DC//NEA/MPO/
US CUSTOMS SERVICE WASHINGTON DC//AVIATION OPERATIONS//
AFSOC HURLBURT FIELD FL//LGMR/
PROGMGR AIR FIELD TWO TWO FIVE PENSACOLA FL//FMA225//
NAVAVNDEPOT PENSACOLA FL//310B//
WR-ALC ROBINS AFB GA//LIHA//
HQ AMC SCOTT AFB IL//LG/LGF/LGQ/SEF/DO/DOT/DOV/
DOX/
CDR FT BRAGG NC//AFIA-GT-OM//
CDR HQ 1ST COSCOM FT BRAGG NC//LOGOPS AVN SECT
AFVB-DC-L//
CDR WHITE SANDS MISSLE RANGE NM//STENS-AA/NRO-CR-C/
MMSI/
DISC PHILADELPHIA PA//QEBS-JU//
CF: AMCPM-CO, AMSAT-I-WAU, AMSAT-R-EIH, AMSAT-R-ECH, AMSAT-I-IAF,
AMSAT-I-ILNO(RAAF), AMSAT-I-LOS(AOC), AMSAT-I-ILNO(IS)

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UNCLASSIFIED

03 13 111612 Z APR 95 PP PP UUUU AA ZYUW

NO

C DR LSE AVIATION ISMIR TU//LSE//
HQ ACC LANGLEY AFB VA//DOH/LGRC//
PMSW VHPS WARRENTON VA//SFAE-IEW-SG//
XMT USDAO DHAKA BG
USDAO RANGOON BM
USCINCPAC REP PHNOM PENH CB
USDAO COLOMBO CE
USDAO SUVA FJ
DSA NEW DELHI IN
AM EMBASSY ANTANANARIVO MA
AM EMBASSY PORT LOUIS
SAO KUALA LUMPUR MY
AM EMBASSY KATHMANDU NP//POL-MIL//
AM EMBASSY VICTORIA

UNCLAS

SUBJECT - AVIATION SAFETY ACTION MESSAGE, MAINTENANCE

MANDATORY, RCS CSGLD-1860(R1), FOR ALL AH-1F AND UH-1H/V

AIRCRAFT WITH MWO 1-1520-236-50-30 AND MWO 1-1520-242-50-2,

OIL DEBRIS DETECTION SYSTEM (ODDS), APPLIED (AH-1-95-ASAM
01) (TB 1-1520-243-20-22) AND (UH-1-95-ASAM-02) (TB 1-1520

CF: AMCPM-CO, AMSAT-I-WAU, AMSAT-R-EIH, AMSAT-R-ECH, AMSAT-I-IAF,
AMSAT-I-ILNO (RAAF), AMSAT-I-LOS (ACC), AMSAT-I-ILNO (IS)

J IM WILKINS, AEROSPACE ENGINEER MINIMIZE CONSIDERED
AM SAT-R-X, X2258

NORBERT R. K NIEPP, X2178

UNCLASSIFIED 111612 Z APR 95
NOTE - THIS IS AN AVIATION SAFETY ACTION MESSAGE ISSUED PER AR 95-3, CHAPTER 5 REVISION VIA MESSAGE HQ AVSCOM, AMSAV XSOF, 181900Z SEP 90, SUBJECT: CHANGE TO AR 95-3, CHAPTER 5, SAFETY OF FLIGHT MESSAGES. 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 ADDRESSES WILL IMMEDIATELY VERIFY THIS RETRANSMISSION TO COMMANDER, ATCOM, ATTN - AMSAT-R-X (SOF COMPLIANCE OFFICER).

1. PRIORITY CLASSIFICATION -

JIM WILKINS, AEROSPACE ENGINEER MINIMIZE CONSIDERED AMSAT-R-X, X2258

NORBERT R. KNEIPP, X2178
NO

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 - SAME AS PARA 1A.
C. AIRCRAFT UNDERGOING MAINTENANCE - SAME AS PARA 1A.
D. AIRCRAFT IN TRANSIT -
   (1) SURFACE/AIR SHIPMENT - SAME AS PARA 1A.
   (2) FERRY STATUS - SAME AS PARA 1A.
E. MAINTENANCE TRAINERS (CATEGORY A, B) - N/A.
F. COMPONENT/PARTS IN STOCK INCLUDING WAR RESERVES AT
   ALL LEVELS (DEPOT AND OTHERS) - N/A.

2. TASK/INSPECTION SUSPENSE DATE - WITHIN 30 FLIGHT HOURS/
   90 DAYS.
3. REPORTING COMPLIANCE SUSPENSE DATE - NO LATER THAN 2 MAY 95
   PER PARA 14A OF THIS MESSAGE.
4. SUMMARY OF PROBLEM -
   A. FIELD UNIT REPORTED THAT DURING DAILY INSPECTION THE
      FOUR MOUNTING SCREWS FOR THE TRANSMISSION ODDS DEBRIS
      MONITOR ELECTRICAL CONNECTOR WERE FOUND LOOSE OR MISSING.
      UPON FURTHER INVESTIGATION IT WAS NOTED THAT THE MOUNTING
      SCREWS ON THE 42 DEGREE GEARBOX ODDS CHIP DETECTOR WERE ALSO
      CF: AMCPM-CO, AMSAT-I-WAU, AMSAT-R-EIH, AMSAT-R-ECH, AMSAT-I-IAF,
      AMSAT-I-ILNO(RAIF), AMSAT-I-LOS(AOC), AMSAT-I-ILNO(IS)

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LOOSE. THE 90 DEGREE GEARBOX SCREWS WERE TIGHT, HOWEVER, THE POTENTIAL EXISTS FOR THEM TO BECOME LOOSE ALSO. THIS PROBLEM WAS NOTED ON SEVERAL AIRCRAFT. THE ENGINE OIL DEBRIS DETECTION SYSTEM ALREADY UTILIZES LOCKWIRED SCREWS AND IS NOT EFFECTED BY THIS MESSAGE.

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

C. THE PURPOSE OF THIS MESSAGE IS TO REPLACE EXISTING HARDWARE ON THE ODDS WITH MS35265-13 SCREWS FOR THE TRANSMISSION ELECTRICAL CONNECTOR AND MS35265-12 SCREWS FOR THE 42 AND 90 DEGREE GEARBOX ELECTRICAL CONNECTORS, WHICH WILL ALLOW FOR LOCKWIRED OF THE SCREWS.

5. END ITEMS TO BE INSPECTED - ALL AH-1F AND UH-1H/V AIRCRAFT WITH MWO 1-1520-236-50-30 AND MWO 1-1520-242-50-2 INSTALLED.

6. ASSEMBLY COMPONENTS TO BE INSPECTED -

<table>
<thead>
<tr>
<th>NOMENCLATURE</th>
<th>PART NO.</th>
<th>NSN</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRANSMISSION ELECTRICAL CONNECTOR</td>
<td>M83723/88H803N</td>
<td>5930-01-160-8628</td>
</tr>
<tr>
<td>42 AND 90 DEGREE GEARBOX CONNECTOR</td>
<td>1B833P</td>
<td>1650-01-322-6652</td>
</tr>
</tbody>
</table>


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NORBERT R. KNIEPP, X2178
CHIP DETECTOR PROBES

7. PARTS TO BE REPLACED -

<table>
<thead>
<tr>
<th>NOMENCLATURE</th>
<th>PART NO.</th>
<th>NSN</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRANSMISSION SCREW</td>
<td>NAS600-4</td>
<td>5305-00-616-8083</td>
</tr>
<tr>
<td>42 AND 90 DEGREE GEARBOX</td>
<td>NAS600-3</td>
<td>5305-00-616-8082</td>
</tr>
</tbody>
</table>

CHIP DETECTOR SCREW


9. CORRECTION PROCEDURES -

A. MAKE AIRCRAFT SAFE FOR MAINTENANCE.

B. GAIN ACCESS TO THE FOLLOWING LOCATIONS:

(1) TRANSMISSION Odds DEBRIS MONITOR  (2)

42 DEGREE GEARBOX Odds CHIP DETECTOR  (3)

90 DEGREE GEARBOX Odds CHIP DETECTOR.

CAUTION

SOME SCREWS HAVE BEEN INSTALLED BY THE MANUFACTURER USING LOCKTITE. USE OF EXCESSIVE FORCE DURING REMOVAL

CF: AMCPM-CC, AMSAT-R-WAU, AMSAT-R-EIH, AMSAT-R-ECH, AMSAT-R-IAR, AMSAT-R-IILNO(RAIF), AMSAT-R-ILOS(AOC), AMSAT-R-IILNO(IS)

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MAY RESULT IN TWISTING OFF OF THE SCREW HEAD.

C. ATTEMPT TO REMOVE SCREWS, NAS600-3/-4, WITH A
SCREWDRIVER USING LIGHT TO MODERATE FORCE. IF SCREWS WILL
NOT TURN, THEY PROBABLY WERE INSTALLED WITH LOCKTITE. APPLY
HEAT TO THE ELECTRICAL CONNECTOR USING A HOT AIR GUN TO
SOFTEN THE LOCKTITE. WHILE CONNECTOR IS HEATED, REMOVE
SCREWS. INSTALL NEW SCREWS, MS35265-12, NSN 5305-00-811
9853, FOR THE 42 AND 90 DEGREE GEARBOX INSTALLATIONS AND
MS35265-13, NSN 5305-00-543-2024 FOR THE TRANSMISSION
INSTALLATION. TORQUE TO STANDARD TORQUE. INSTALL A SINGLE
STRAND OF STEEL LOCKWIRE, MS20995C20, THROUGH SCREW HEADS
AND CONTINUE LOCKWIRE FROM SCREWS UP TO CANNON PLUG FOR A
POSITIVE LOCK.

10. SUPPLY/PARTS AND DISPOSITION -
A. PARTS REQUIRED - REPLACE DEFECTIVE ITEMS CITED IN
PARAGRAPHS 7 WITH PARTS IDENTIFIED IN PARA 9C.
B. REQUISITIONING INSTRUCTIONS - N/A.
C. BULK AND CONSUMABLE MATERIALS - N/A.
D. DISPOSITION - DISPOSE OF REMOVED PARTS/COMPONENTS
IN ACCORDANCE WITH NORMAL SUPPLY PROCEDURES. A QDR IS NOT

CF: AMCPRM-CON, AMSAT-I-WAU, AMSAT-R-EIR, AMSAT-R-ECW, AMSAT-I-IAF,
AMSAT-I-ILNO(RAAF), AMSAT-I-LOS(AOC), AMSAT-I-ILMO(IS)

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REQUISITED.

E. DISPOSITION OF HAZARDOUS MATERIAL - N/A.

11. SPECIAL TOOLS, JIGS AND FIXTURES REQUIRED - N/A.

12. APPLICATION -

A. CATEGORY OF MAINTENANCE - AVUM AIRCRAFT DOWNTIME

WILL BE CHARGED TO AVUM MAINTENANCE.

B. ESTIMATED TIME REQUIRED -

(1) TOTAL OF 4 MANHOURS USING 1 PERSONS.

(2) TOTAL OF 4 HOURS DOWNTIME FOR ONE END ITEM.

C. ESTIMATED COST IMPACT OF STOCK FUND ITEMS TO THE

FIELD - N/A.

D. TS/MWOS 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.

13. REFERENCES -

(A) TM 55-1520-210-23-1.

(B) TM 55-1520-210-23P-1.

(C) TM 55-1520-236-23.

(D) TM 55-1520-236-23P.

CF: AMCPM-CO, AMSAT-I-WAU, AMSAT-R-EIH, AMSAT-R-ECH, AMSAT-I-IAF,

AMSAT-I-ILNO(RAF), AMSAT-I-LOS(AOC), AMSAT-I-ILNO(S)

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AMSAT-R-X, X2258

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10 13 111612Z APR 95 PP PP UUUU AA ZYUW

NO

(E) MWO 1-1520-242-50-2.
(F) MWO 1-1520-236-50-30.

14. 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 E-MAIL TO COMMANDER, ATCOM, ATTN: AMSATR-X (SOF
COMPLIANCE OFFICER), PER AR 95-3. DATAFAX NUMBER IS DSN 693-
2064 OR COMMERCIAL 314/263-2064. E-MAIL ADDRESS IS "AMSATRXS
(AT SIGN) ST-LOUIS-EMH4.ARMY.MIL". THE REPORT WILL CITE THIS
MESSAGE NUMBER, DATE OF ENTRY IN DA FORM 240813-1, 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.

E. THE FOLLOWING FORMS ARE APPLICABLE AND ARE TO BE
COMPLETED IN ACCORDANCE WITH DA PAM 738-751, 15 JUN 92

CF: AMCPM-CO, AMSAT-I-WAI, AMSAT-R-EIH, AMSAT-R-ECH, AMSAT-I-IAF,
AMSAT-I-ILNO(RAAF), AMSAT-I-LOS(AOC), AMSAT-I-ILNO(IS)

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