

① OCTU ② YUN RULNEA0394 1130127-③ UUUU-RUHMDTA;
ZNR UUUUU
④ 230119Z APR 83 ZEX
FM ARNG OAC EA APG MD //NGR-AVN-L//
TO AIG 7401

53/ARMY

13 APR 83 09 22Z

ACCT DA-BHCSVD
P 222100Z APR 83
FM CDRTSARCOM STL MO //DRSTS-SAJP//
TO AIG 8801
RUCLRFA/US EYN PROT AGY REGION 11 28 FEDERAL PLAZA NY NY
RUEDLNA/NATIONAL OCEANIC AND ATMOSPHERIC ADM ROCKVILLE MD
//AADA/AO2 COL L. A. HEAVER//
RUEVHFP/NASA KENNEDY SPACE CENTER CAPE CANAVERAL FL
//SI-SAT-23//
RUEHIN/AIT TAIPEI TAIWAN
RUEHC/AIT WASH DC
RUEHNS/COMUSMILGP SAN SALVADOR EL SALVADOR //SCBS-AF//
RUEBBS/COMUSMILGP BOGOTA COLOMBIA //SCOD-AFDCH//
RUCDDDA/REDSTONE ARSENAL AL //DRSMI-ST//
RUEATRS/US CUSTOMS SERVICE DEPT OF TREASURY
TO AIG 9804
AIG 7515
RUCLEUA/COMUSAAVNO FT RUCKER AL //ATZQ-DI//
RUQHAD/USDAO TEL AVIV ISRAEL
RUFLLAFA/CJUSMAG MAAG MADRID SPAIN //ARMY/NAVY SEC//
RAYAAC/HQSCENG MELBOURNE AUSTRALIA //SOAIR ENG//

UH-1-83-05
m/r blades

PAGE 02 RUCIFRA UNCLAS
RAYMPP/DEFAIR CANBERRA AUSTRALIA //DPHEL-AF//
RUCLRFA/USDA FOREST SERVICE PO BOX 2417 WASH DC 20813
//COOPERATIVE FIRE PROTECTION//
RAYMPP/DEFAIR CANBERRA AUSTRALIA //DPHEL-AF//
RUHTNOC/CDRCCAD CORPUS OHIO TX //SDSCC-S//
RUFDAAAA/CINCUSAREUR HEIDELBERG GERMANY
//AEAGC-D-OC/AGAGC-EAC//
ACCT DA-BHCSVD
BT

UNCLAS
SUBJECT DISPOSITION INSTRUCTIONS FOR CERTAIN 204 SERIES MAIN ROTOR
BLADES
A. MESSAGE, HQ TSARCOM, DRSTS-MEA, 120215Z MAR 83, SUBJECT
SAFETY-OF-FLIGHT TECHNICAL MESSAGE, ONE TIME INSPECTION FOR CERTAIN
204 SERIES MAIN ROTOR BLADES NSN 1615-00-872-9799 ON ALL OH-1 (EXCEPT
C, AND H MODELS) SERIES AIRCRAFT (UM-1-83-05).
THIS IS A FOLLOW UP MESSAGE TO REFERENCE A ABOVE, PARAGRAPH 6 OF
REFERENCED MESSAGE PROVIDES DISPOSITION INSTRUCTIONS FOR ALL REMOVED
BLADES, THESE INSTRUCTIONS FOR ALL REMOVED BLADES NOT ALREADY

16

OCTUZYUH RULNEAA2105 2642216-UUUU-RUKMOTA.

ARMY

ZNR UUUUU

C 242328Z MAR 83

FM ARNG DAC EA APG MD //NRG-AVN-L//

TO AIG 7421

ACCT DA-BHCSVD

C 232408Z MAR 83

FM CDRTSARCOM STL MO //DRSTS-NEA//

TO AIG 8881

RUCLRFA/US EVN PROT AGY PO BOX 15027 LAS VEGAS NV

RUCLRFA/US EVN PROT AGY REGION II 28 FEDERAL PLAZA NY NY

RUEOLAA/NATIONAL OCEANIC AND ATMOSPHERIC ADM ROCKVILLE MD

//ADAA/A02 COL L. A. HEAVER//

RUBVHFP/NASA KENNEDY SPACE CENTER CAPE CANAVERAL FL

//SI-SAT-23//

RUEHIN/AIT TAIPEI TAIWAN

RUEHC/AIT WASH DC

RUEHSH/COMUSHILGP SAN SALVADOR EL SALVADOR //SCDS-AF//

RUESBG/COMUSHILGP BOGOTA COLOMBIA //SCOD-AFDC//

RUCDDDA/REDSTONE ARSENAL AL //DRSMI-ST//

SATRS/US CUSTOMS SERVICE DEPT OF TREASURY

LAPO AIG 9284

AIG 7515

RUCLEUA/CDRUSAAVNC FT RUCKER AL //AT20-D1//

RUGHAD/USDAO TEL AVIV ISRAEL

RUFLAFA/CDUSHAG MAAG MADRID SPAIN //ARMY/NAVY SEC//

(28)

5 MAR 83 08 00Z

44-183-05

PAGE 02 RUCIFRA UNCLAS

RAYAAC/HOSCEMG MELBOURNE AUSTRALIA //SOAIR ENG//

RATHPP/DEFAIR CANBERRA AUSTRALIA //OPHEL-AF//

RUCLRFA/USDA FOREST SERVICE PO BOX 2417 WASH DC 20213

//COOPERATIVE FIRE PROTECTION//

RATHPP/DEFAIR CANBERRA AUSTRALIA //OPHEL-AF//

ACCT DA-BHCSVD

BT

UNCLAS

SECTION 21 OF 23

MAJOR GENERAL EMIL L. KONOPNICKI SENDS

SUBJECT SAFETY-OF-FLIGHT TECHNICAL MESSAGE, ONE TIME INSPECTION FOR

CERTAIN 204 SERIES MAIN ROTOR BLADES (NSN 1615-80-872-5799 ON ALL

UH-1 (EXCEPT B, C, AND H MODELS) SERIES AIRCRAFT (UH-1-83-85)

NOTE THIS IS A SAFETY-OF-FLIGHT, TECHNICAL, ONE-TIME INSPECTION,

MESSAGE, RELEASED IN ACCORDANCE WITH AR 95-18 DATED 1 MAY 1983 AND

HAS NOT, REPEAT 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 THIS MESSAGE, ACTION ADDRESSEES

(9)

LL IMMEDIATELY VERIFY THIS RETRANSMISSION TO COMMANDER, TSARCOM,
ATTN DRSTS-MPSD.

PAGE 03 RUCIFRAB5491 UNCLAS

A. TSARCOM, DRSTS-MEA, 252300Z FEB 83, SUBJECT SAFETY-OF-FLIGHT
EMERGENCY MESSAGE, ONE TIME INSPECTION FOR CERTAIN 204 SERIES MAIN
ROTOR BLADES (NSN 1613-00-072-9799) ALL UH-1 (EXCEPT B, C, AND M
MODELS) SERIES AIRCRAFT (UH-1-83-02).

B. TM 55-1520-210-23P-1, FIGURE 135, PAGE 645, ITEM 48 AND 67,

1. SUMMARY

A. RECENTLY A PRODUCTION RUN OF REPAIRED MAIN ROTOR BLADES WERE
ISSUED TO THE USER. SUBSEQUENTLY, IT WAS DETERMINED THAT BLADE
REPAIR PROCEDURES BY THE REPAIR CONTRACTOR WERE DEVIATED FROM ON
REPAIRED BLADES. THIS COULD RESULT IN DEFECTIVE BLADES.
ACCORDINGLY, TSARCOM ISSUED REFERENCE A MESSAGE GROUNDING ALL BLADES
IN AFFECTED LOT UNTIL AN INSPECTION COULD BE DEVELOPED THAT WOULD
INSURE SERVICEABILITY OF SUSPECT BLADES.

B. THE FOLLOWING REPAIR PROCEDURES WERE SUSPECT

(1) TORQUE VALUES FOR TIP AND BUTT (ROOT) BOLTS ATTACHING
BALANCE WEIGHTS WERE FOUND TO BE IMPROPER. LOW TORQUE VALUES COULD
RESULT IN LOOSE NUTS AND A SUBSEQUENT DANGEROUS ROTOR OUT OF BALANCE
CONDITION. THIS MESSAGE PROVIDES INSTRUCTIONS FOR INSPECTING ROOT
AND TIP NUTS AND RETORQUING TO REQUIRED TORQUE SETTINGS (PARAGRAPH 4
BELOW).

PAGE 04 RUCIFRAB5491 UNCLAS

(2) BONDING INTEGRITY OF LEADING EDGE EROSION GUARD IS
QUESTIONABLE.

(3) BLADES REQUIRING TWIST/WARPAGE CHECK, DUE TO A REPORTED
SUDDEN STOPPAGE, OVERSPEED OR HARD LANDING WERE NOT CHECKED.

C. THIS SAFETY-OF-FLIGHT MESSAGE PROVIDES INSTRUCTIONS FOR THE
INSPECTION AND RETORQUING TO BE PERFORMED ON ROOT AND TIP BALANCE
WEIGHT RETAINING NUTS AND THE REMOVAL OF SUSPECT BLADES.

2. THE FOLLOWING LIST OF MAIN ROTOR BLADE SERIAL NUMBERS CAN NOT BE
INSPECTED IN THE FIELD AND MUST BE REMOVED FROM THE AIRCRAFT.

NOTE THESE BLADES ARE NOT TO BE FLOWN.

A2-4381	A2-23871	TAC-2917 (ADDED)
A2-08639 (ADDED)	A2-24452	TAC-3021 (ADDED)
A2-10464	A2-26963	TBA-0436
A2-10653	A2-27391	TBA-0925
A2-11655	A2-28032	TBA-2214 (ADDED)
A2-14674	A2-28393	TBA-6245
A2-15310	A2-28508	

BT
#0105

ARMY
(2)

~~OCTUZYUH RULNEAAG126 064200Z 0000 RUMHDTA,
ZNR 00000~~

O 042320Z MAR 83
FM ARNG OAC EA APO MD //NGB-AVN-L//
TO AIG 7481

ACCT DA-BHCSVD
O 032400Z MAR 83
FM CDRTSARCOM STL MO //DRSTS-MEA//
TO AIG 8881

RUCLRFA/US EVN PROT AGY PO BOX 15027 LAS VEGAS NV
RUCLRFA/US EVN PROT AGY REGION 11 20 FEDERAL PLAZA NY NY
RUECLAA/NATIONAL OCEANIC AND ATMOSPHERIC ADM ROCKVILLE MD
//AOAA/AO2 COL L. A. WEAVER//
RUEVHFP/NASA KENNEDY SPACE CENTER CAPE CANAVERAL FL
//SI-SAT-23//

RUEHIN/AIT TAIPEI TAIWAN
RUEHC/AIT WASH DC
RUEHBN/COMUSMILGP SAN SALVADOR EL SALVADOR //SCES-AF//
RUESBG/COMUSMILGP BOGOTA COLOMBIA //SCOD-AFDCH//
RUODGDA/REDSTONE ARSENAL AL //DRSMI-ST//
EATRS/US CUSTOMS SERVICE DEPT OF TREASURY
PO AIG 9884
AIG 7515

RUCLEUA/CDRUSAAYNC FT RUCKER AL //ATZQ-DI//
RUMAD/USDAO TEL AVIV ISRAEL
RUFLAFA/CJUSMAG MAAG MADRID SPAIN //ARMY/NAVY SEC//

PAGE 02 RUCIFRA UNCLAS
RAYAAC/HOSCENG MELBOURNE AUSTRALIA //SOAIR ENG//
RAYNPP/DEFAIR CANBERRA AUSTRALIA //OPHEL-AF//
RUCLRFA/USDA FOREST SERVICE PO BOX 2417 WASH DC 20013
//COOPERATIVE FIRE PROTECTION//
RAYNPP/DEFAIR CANBERRA AUSTRALIA //OPHEL-AF//
ACCT DA-BHCSVD

BT
UNCLAS
SECTION 02 OF 03

- | | | |
|----------|-----------|-------------------|
| A2-16131 | A2-51898 | A2-28954 (ADDED) |
| A2-16508 | A2-51297 | AMR-54597 (ADDED) |
| A2-17665 | AMR-51295 | |
| A2-17967 | AMR-51834 | |
| A2-18445 | AMR-51948 | |
| A2-19100 | AMR-52532 | |
| A2-21423 | AMR-52565 | |
| A2-21436 | AMR-52919 | |
| A2-21673 | ISA-2264 | |

5 MAR 73 08 00Z

A2-22883
A2-22191
A2-22258

TAC-8342
TAC-1276
TAC-1527

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A2-23372 TAC-1682
A2-23596 TAC-1958
A2-23821 TAC-2522

3. INSPECTION OF BLADE BALANCE WEIGHTS ON REMAINING SERIAL NUMBERS IN ACCORDANCE WITH REFERENCE A COULD BE PERFORMED IN THE FIELD PER PARAGRAPH 4 BELOW.

4. GENERAL INSTRUCTIONS

A. REFER TO REFERENCE B ABOVE.

B. THE BLADES MUST BE REMOVED FROM THE MAIN ROTOR HUB TO FACILITATE THIS MAINTENANCE INSPECTION REQUIREMENT.

C. SINCE THE WEIGHT INSTALLATION IS REQUIRED TO BE PERFORMED AT DEPOT LEVEL, IT IS RECOMMENDED THAT THE LOCAL TSARCOM FMT BE CONSULTED CONCERNING ANY PROBLEMS/QUESTIONS PERTAINING TO THE BALANCE WEIGHT INSPECTION AND OR SPECIAL TOOLS REQUIRED.

D. GAIN ACCESS TO BLADE ROOT AND TIP WEIGHTS.

(1) CHECK BREAK AWAY TORQUE IN THE CLOCKWISE DIRECTION OF ALL SIX (6) NUTS IN QUESTION (FOUR (4) NUTS AT THE ROOT END AND TWO (2) NUTS AT TIP END).

(2) THE FOUR NUTS AT THE ROOT END ARE ALWAYS 1/4 INCH DIAMETER NUTS (ITEM 48) AND THE 2 NUTS AT THE TIP COULD EITHER BE 1/4

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INCH DIAMETER OR 5/16 INCH DIAMETER NUTS (ITEM 67).

(3) CHECK ALL 1/4 INCH DIAMETER NUTS FOUND IN THE CLOCKWISE DIRECTION FOR A BREAK AWAY TORQUE NOT TO EXCEED 122 INCH POUNDS. CHECK ALL 5/16 INCH DIAMETER NUTS FOUND IN THE CLOCKWISE DIRECTION FOR A BREAK AWAY TORQUE NOT TO EXCEED 225 INCH POUNDS.

(4) IF ANY NUTS EXCEED THE BREAK AWAY TORQUE AS SPECIFIED ABOVE, REMOVE BLADE FROM SERVICE AND SHIP IN ACCORDANCE WITH PARAGRAPH 6.

(5) REMOVE ALL NUTS AND REPLACE WITH NEW NUTS.

(6) TORQUE NEW NUTS AS FOLLOWS

1/4 INCH DIAMETER FROM 38-62 INCH POUNDS.

5/16 INCH DIAMETER FROM 138-145 INCH POUNDS.

NOTE TWO SPECIAL LONG SOCKETS MAY HAVE TO BE LOCALLY MANUFACTURED FOR TIP WEIGHT RETORQUE, SOCKETS MUST HAVE A MINIMUM GRIP LENGTH OF 4.25 INCHES.

E. INSTALL ACCESS COVERS, SEAL INBOARD (BUTT) END COVER WITH PROSEAL.

5. ONCE THE SUBJECT BLADES HAVE BEEN SUBJECTED TO THE REQUIREMENTS OF THIS MESSAGE AND SATISFY THE LOCAL TECHNICAL INSPECTOR, THESE BLADES MAY BE RELEASED FOR FLIGHT.

OCTUZEXM RULNEAA0107 0540025-0000--RUMMDTA,

ZNR 00000

O 042320Z MAR 83 ZEX

FM ARNG OAC EA APG MD //NGB-AVN-L//

TO AIG 7401

ACCT DA-BHCSVD

O 032400Z MAR 83

FM CDRTSARCOM STL MO //DRSTS-MEA//

TO AIG 8881

RUCLRFA/US EVN PROT AGY PO BOX 15027 LAS VEGAS NV

RUCLRFA/US EVN PROT AGY REGION II 20 FEDERAL PLAZA NY NY

RUEOLAA/NATIONAL OCEANIC AND ATMOSPHERIC ADM ROCKVILLE MD

//AOAA/A02 COL L. A. HEAVER//

RUEVHFP/NASA KENNEDY SPACE CENTER CAPE CANAVERAL FL

//SI-SAT-23//

RUEHIN/AIT TAIPEI TAIWAN

RUEHC/AIT WASH DC

RUEHSN/COMUSHILGP SAN SALVADOR EL SALVADOR //SCBS-AF//

RUESBG/COMUSHILGP BOGOTA COLOMBIA //SCCD-AFDOH//

RUCDGBA/REDSTONE ARSENAL AL //DRSMI-ST//

SEATRS/US CUSTOMS SERVICE DEPT OF TREASURY

...FO AIG 9004

AIG 7315

RUCLEUA/CDRUSAAVNC FT RUCKER AL //ATZQ-DI//

RUGHAD/USDAO TEL AVIV ISRAEL

RUFLAFA/OJUSHAG MAAG MADRID SPAIN //ARMY/NAVY SEC//

ARMY

(Handwritten initials)

5 MAR 83 08 00Z

PAGE 02 RUCIFRA UNCLAS

RAYAAC/HQSCENG MELBOURNE AUSTRALIA //SOAIR ENG//

RAYMPP/DEFAIR CANBERRA AUSTRALIA //OPHEL-AF//

RUCLRFA/USDA FOREST SERVICE PO BOX 2417 WASH DC 20013

//COOPERATIVE FIRE PROTECTIMN//

RAYMPP/DEFAIR CANBERRA AUSTRALIA //OPHEL-AF//

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UNCLAS

FINAL SECTION OF 03

A. RECORD ACCOMPLISHMENT OF YOUR INSPECTION IN ACCORDANCE WITH THE PROCEDURE IN TM 38-750, THE FOLLOWING FORMS ARE APPLICABLE.

RECORD, (1) DA FORM 2488-13, AIRCRAFT INSPECTION AND MAINTENANCE

(2) DA FORM 2488-05, AIRCRAFT HISTORICAL RECORD,

(3) DA FORM 2488-16, AIRCRAFT COMPONENT HISTORICAL RECORD

(ONLY IF BLADES ARE REMOVED FROM AIRCRAFT AND REPLACED WITH LIKE GOOD EMS).

B. SAFETY OF FLIGHT FOLLOW UP REPORT RGS CSGLD 1860, MACOMS AND OTHER ACTION ADDRESSEES, UPON COMPLETION OF THE REQUIREMENTS SET

RTH IN THIS MESSAGE, OR NOT LATER THAN 21 MAR 83 WILL FORWARD A MESSAGE REPORT OF ACTION ACCOMPLISHED TO COMMANDER, TSARCOM, ATTN

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DRSTS-MPSD, PER AR 95-18, UNITS WILL BE REPORTED AS DELINQUENT SEVEN DAYS AFTER TRANSMISSION OF THIS MESSAGE, THE REPORT WILL CITE THE SAFETY OF FLIGHT MESSAGE, THE AIRCRAFT MISSION DESIGN SERIES, AND SERIAL NUMBERS OF THE AIRCRAFT, WHEN MAIN ROTOR BLADE SERIAL NUMBERS THAT ARE LISTED IN PARAGRAPH 3 ARE FOUND, ALSO LIST THE BLADE SERIAL NUMBER AND THE ACTIONS THAT WERE PERFORMED ON IT. IF ALL REQUIRED ACTIONS ARE NOT COMPLETED, THE REPORT WILL ALSO CONTAIN THE DATE BY WHICH IT IS ESTIMATED THEY WILL BE COMPLETED, WHEN THE ESTIMATED DATE OF COMPLETION ARRIVES, THE SERIAL NUMBERS REPORTED PREVIOUSLY AS NOT COMPLIED WITH WILL BE REPORTED BY MESSAGE, WITH PRESENT STATUS AND REVISED ESTIMATED COMPLETION DATE, REVISED ESTIMATED COMPLETION DATES AND STATUS REPORTS WILL CONTINUE TO BE SUBMITTED UNTIL ALL REQUIRED ACTIONS HAVE BEEN COMPLETED AND REPORTED, FOR AIRCRAFT IN DEPOT MAINTENANCE, AWAITING DISPOSITION OR IN STORAGE, TAKE THE FOLLOWING ACTIONS

(1) IMMEDIATELY UPDATE THE AIRCRAFT LOGBOOK BY ENTERING THE REQUIREMENTS FOR ACCOMPLISHMENT OF THIS MESSAGE ON THE DA FORM 2408-13,

(2) REPORT BY RETURN MESSAGE BY AIRCRAFT MDS AND SERIAL NUMBER THAT THE AIRCRAFT LOGBOOK HAS BEEN UPDATED TO INCLUDE THIS

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MESSAGE REQUIREMENT,

(3) PROVIDE A POINT OF CONTACT, WITH TELEPHONE NUMBER ON ALL REPORTS,

8, POINT OF CONTACT FOR QUESTIONS CONCERNING FORMS OR REPORTING IS MR. RAY PEARCE, DRSTS-MPSD, AUTOVON 693-3261, COMMERCIAL

314-263-3261,

9, LOGISTIC POINT OF CONTACT IS MRS. JACKIE MCGILLIGAN, AUTOVON 693-3693, COMMERCIAL 314-263-3653,

10, FOREIGN MILITARY SALES/FMS RECIPIENTS REQUIRING CLARIFICATION OF THIS MESSAGE SHOULD CONTACT USATSARCOM, DRSTS-I, CW 4 JIM CRONIN, AUTOVON 693-2813, COMMERCIAL 314-263-2813,

11, TSARCOM TECHNICAL POINT OF CONTACT IS MR. DICK MOOY, DRSTS-MEA, AUTOVON 693-3388, COMMERCIAL (314) 263-3388,

BT

#0127