

1 R RUCIFRD5278 1932056 DA=BDCVBA
R 121900Z JUL 90 ZEX
FM CDR AVSCOM ST LOUIS MO //AMSAV-XSOF//
TO RUCLRFA/CALIFORNIA DEPARTMENT OF FORESTRY AVIATION //3460
BUSINESS DR SUITE 150 SACRAMENTO CA 95814//
DA=BDCVBA

UNCLAS

SECTION 01 OF 03

SUBJECT - SAFETY-OF-FLIGHT MESSAGE, MAINTENANCE MANDATORY, RCS
CSGLD-1860(R1) ALL UH-1H/V AIRCRAFT, ONE TIME AND RECURRING
INSPECTION OF THE IMPROVED PARTICLE SEPARATOR, (UH-1-90-05)
(T855-1520-210-20-16)

A. REPORTING SUSPENSE DATE - WITHIN 10 WORKING DAYS OF THE DATE OF
THIS MESSAGE PER PARA 12A.
B. TASK/INSPECTION SUSPENSE DATE - AT NEXT PREVENTATIVE MAINTENANCE
DAILY INSPECTION AND EVERY 50 FLIGHT HOURS OR 30 CALENDAR DAYS

PAGE 02 RUCIFRD5278 UNCLAS

THEREAFTER, WHICHEVER OCCURS FIRST.

NOTE - THIS IS A SAFETY-OF-FLIGHT MESSAGE AND 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 WILL IMMEDIATELY
VERIFY THIS RETRANSMISSION TO COMMANDER, AVSCOM, ATTN - AMSAV-XSOF
(SOF COMPLIANCE OFFICER).

C. EXPIRATION DATE - 14 JUL 91.

D. REFERENCES -

(1) AVIATION SAFETY MESSAGE, UH-1-ASM-90-02, IMPROVED PARTICLE
SEPARATOR.

(2) TM 55-1520-210-23-1, AVIATION UNIT AND INTERMEDIATE
MAINTENANCE MANUAL FOR UH-1H/V AND EH-1H/X HELICOPTERS, BASIC 30
SEP 87 THRU CHG 12 DTD 12 APR 90.

(3) TM 55-1520-210-23P-1, REPAIR PARTS AND SPECIAL TOOLS LIST
FOR UH-1 HELICOPTER, BASIC 27 FEB 81 THRU CHG 21 DTD 16 MAR 90.

(4) TM 55 1520-210-PM, UH-1H/V AND EH-1H/X AIRCRAFT PHASED
MAINTENANCE CHECKLIST, BASIC 4 JAN 83 THRU CHG 13 DTD 16 APR 90.

1. SUMMARY OF PROBLEM -

PAGE 03 RUCIFRD5278 UNCLAS

A. NUMEROUS REPORTS CITING PREMATURE DETERIORATION OF THE INNER
SEAL ASSEMBLY BELLOWS AND THE AFT SEAL ASSEMBLY BELLOWS FOR THE

IMPROVED PARTICLE SEPARATOR, (PER MWO 55-1520-210-50-25), ON THE UH-1H/V AIRCRAFT HAVE BEEN RECEIVED. INFORMATION AND GUIDANCE ON THIS PROBLEM WAS ISSUED TO USERS VIA REFERENCE D(1) ABOVE, AVIATION SAFETY MESSAGE.

B. PREVIOUSLY, DETERIORATION OF THE BELLOWS WAS NOT THOUGHT TO BE A SAFETY OF FLIGHT PROBLEM. MORE RECENT INFORMATION HAS SHOWN THAT AS DETERIORATION PROGRESSES THE BELLOWS PORTION OF THE SEAL ASSEMBLIES CAN DEFORM AND RESTRICT AIR FLOW TO THE ENGINE. THE REDUCTION OF AIR FLOW CAN CAUSE SEVERE LOSS OF POWER. TWO CONFIRMED INCIDENTS OF THIS NATURE HAVE RESULTED IN THE FORCED AUTOROTATION OF UH-1H AIRCRAFT.

C. NEWLY DESIGNED BELLOWS FOR THE INNER SEAL ASSEMBLIES AND AFT RADIUS SEAL ASSEMBLIES WILL BE AVAILABLE IN THE NEAR FUTURE AND WILL ELIMINATE THE DETERIORATION PROBLEM. THE NEW BELLOWS WILL BE RED IN COLOR, WHEREAS THE CURRENT BELLOWS ARE BLACK. THE NEW BELLOWS (SAME PART NUMBER) WILL BE ISSUED TO ALL USERS OF THE IMPROVED PARTICLE SEPARATOR WHEN AVAILABLE. UNTIL NEW BELLOWS CAN BE INSTALLED, PERIODIC INSPECTION OF THE CURRENT BELLOWS WILL BE REQUIRED. SHOULD PAGE 04 RUCIFRDS278 UNCLAS

REPLACEMENT OF THE CURRENT BELLOWS BE REQUIRED PRIOR TO RECEIPT OF THE NEW BELLOWS, SOME BLACK SPARE BELLOWS ARE AVAILABLE.

D. THE PURPOSE OF THIS MESSAGE IS TO REQUIRE A ONE TIME AND RECURRING INSPECTION OF THE INNER SEAL ASSEMBLY (P/N CE00553-104A) AND THE AFT RADIUS SEAL ASSEMBLY (P/N CD00553-10213A) FOR DETERIORATION OF THE BELLOWS.

E. FOR MANPOWER/DOWNTIME AND FUNDING IMPACTS SEE PARA 6.

2. PRIORITY CLASSIFICATION -

NOTE - SEE AR 95-3, PARA 5-7A, FOR NONCOMPLIANCE AUTHORITY OF MAJOR COMMANDERS.

A. AIRCRAFT IN USE - UPON RECEIPT OF THIS MESSAGE THE CONDITION STATUS SYMBOL OF THE CITED AIRCRAFT WILL BE CHANGED TO A CIRCLED RED //X//. THE CIRCLED RED //X// MAY BE CLEARED WHEN THE INSPECTION OF PARA 9 BELOW 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//. WHILE THE AIRCRAFT IS ON A CIRCLED RED //X// IT MAY BE REPORTED AS FULLY MISSION CAPABLE (FMC).

B. AIRCRAFT IN DEPOT MAINTENANCE - AIRCRAFT WILL NOT BE ISSUED PAGE 05 RUCIFRDS278 UNCLAS

UNTIL COMPLIANCE WITH THIS SOF HAS BEEN COMPLETED.

C. AIRCRAFT UNDERGOING MAINTENANCE - SAME AS PARA 2A.

D. AIRCRAFT IN TRANSIT -

(1) SURFACE/AIR SHIPMENT - SAME AS PARA 2A.

(2) FERRY STATUS - SAME AS PARA 2A.

E. MAINTENANCE TRAINERS - N/A.

F. COMPONENT/PARTS IN STOCK INCLUDING WAR RESERVES AT ALL LEVELS (DEPOT AND OTHERS) - N/A.

3. END ITEMS TO BE INSPECTED - ALL UH-1H/V AIRCRAFT WITH IPS INSTALLED PER MWO 55-1520-210-50-25.

4. ASSEMBLY COMPONENTS TO BE INSPECTED -

NOMENCLATURE

PART NO.

NSN

1 R RUCIFRD5279 1932056 DA=BDCVBA
R 121900Z JUL 90 ZEX
FM CDR AVSCOM ST LOUIS MO //AMSAV=XSOF//
TO RUCLRFA/CALIFORNIA DEPARTMENT OF FORESTRY AVIATION //3460
BUSINESS DR SUITE 150 SACRAMENTO CA 95814//
DA=BDCVBA

UNCLAS
SECTION 02 OF 03

INNER BELLOWS CD00553-1D114A 1680-01-322-6435
AFT BELLOWS CD00553-1D124A 1680-01-320-1317

NOTE

THE CURRENT CHANGE TO TM 55-1520-210-23P-1 DOES NOT INCLUDE A
BREAKDOWN OF THE ABOVE ASSEMBLIES IN (PARA 4) TO SHOW THE ABOVE
PARTS IN (PARA 5). AN URGENT CHANGE TO THIS MANUAL IS IN PROCESS TO
INCLUDE THIS INFORMATION.

6. APPLICATION -

PAGE 02 RUCIFRD5279 UNCLAS

A. CATEGORY OF MAINTENANCE - AVUM, AIRCRAFT DOWNTIME WILL BE
CHARGED TO AVUM.

B. TIME REQUIRED -

(1) TOTAL OF 2 MANHOURS USING 2 PERSONS.

(2) TOTAL OF 1 HOURS DOWNTIME FOR ONE END ITEM.

C. ESTIMATED COST IMPACT OF STOCK FUND ITEMS TO THE FIELD -

NOMENCLATURE	PART NO./NSN	QUANTITY	COST EA.	TOTAL \$
INNER BELLOWS	CD00553-1D114A	ONE	88.68	88.68
AFT BELLOWS	CD00553-1D124A	ONE	156.55	156.55

TOTAL COST PER AIRCRAFT 245.23

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
INSPECTION - A COPY OF THIS MESSAGE SHALL BE INSERTED INTO THE
APPROPRIATE MAINTENANCE MANUAL AS AUTHORITY TO PERFORM THIS
RECURRING INSPECTION UNTIL THE PRINTED CHANGE IS RECEIVED.

7. SUPPLY/PARTS AND DISPOSITION -

A. PARTS REQUIRED - ITEMS CITED IN PARAGRAPHS 4 AND 5 MAY BE
REQUIRED TO REPLACE DEFECTIVE ITEMS.

B. REQUISITIONING INSTRUCTIONS - REQUISITION REPLACEMENT PARTS

PAGE 03 RUCIFRD5279 UNCLAS

THROUGH NORMAL SUPPLY CHANNELS USING NORMAL SUPPLY PROCEDURES.

C. BULK AND CONSUMABLE MATERIALS - N/A.

D. DISPOSITION - DISPOSE OF REMOVED PARTS/COMPONENTS IN ACCORDANCE WITH NORMAL SUPPLY PROCEDURES. A QDR IS NOT REQUIRED.

E. DISPOSITION OF HAZARDOUS MATERIAL - N/A.

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

9. INSPECTION PROCEDURES -

A. GAIN ACCESS TO INNER SEAL ASSEMBLY (TM 55-1520-210-23P-1, FIG 107A, ITEM 44) AND AFT RADIUS SEAL ASSEMBLY (ITEM 35) USING THE PROCEDURE SPECIFIED IN TM 55-1520-210-23-1, PARA 4-57.3. VISUALLY INSPECT THE RUBBER BELLOWS OF EACH ASSEMBLY FOR EVIDENCE OF CRACKING OR CHECKING. USE OF A HAND HELD MIRROR AND FLASHLIGHT MAY BE NECESSARY TO INSURE ALL AREAS ARE INSPECTED. NO CRACKING OR CHECKING IS ALLOWED. INSPECT ALSO FOR DELATINATION OF THE RUBBER FROM THE FABRIC BACKING. ANY SIGN OF DELAMINATION IS CAUSE FOR REPLACEMENT.

NOTE

THE RUBBER SURFACE OF THE BELLOWS IS ORIENTED TO THE INSIDE OF BOTH SEAL ASSEMBLIES. IT MAY BE NECESSARY TO REMOVE ANY FOREIGN RESIDUE SUCH AS OIL, WATER, CLEANING SOLVENT, DIRT, ETC, FROM THE PAGE 04 RUCIFRD5279 UNCLAS

INTERIOR OF THE BELLOWS TO PERMIT ADEQUATE INSPECTION.

B. THE INSPECTION OF PARA 9A ABOVE SHALL BE REPEATED EVERY 50 FLIGHT HOURS OR 30 CALENDAR DAYS, WHICHEVER OCCURS FIRST, UNTIL NEWLY DESIGNED RED BELLOWS ARE INSTALLED.

10. CORRECTION PROCEDURES -

A. REPLACE BELLOWS THAT FAIL THE INSPECTION OF PARA 9 ABOVE.

B. REPLACEMENT OF THE BELLOWS WILL REQUIRE REMOVAL OF THE INNER SEAL ASSEMBLY OR THE AFT RADIUS LIP SEAL ASSEMBLY. THE PROCEDURE FOR REMOVAL OF THE SEAL ASSEMBLIES IS SPECIFIED IN TM 55-1520-210-23-1, PARA 4-57.3.

C. THE PROCEDURE FOR REPLACEMENT OF THE BELLOWS ON BOTH THE INNER SEAL ASSEMBLY AND THE AFT RADIUS SEAL ASSEMBLY IS NOT INCLUDED IN THE CURRENT CHANGE TO THE ABOVE MANUAL. AN URGENT CHANGE IS IN PROCESS TO INCLUDE THIS INFORMATION, HOWEVER, WILL NOT BE AVAILABLE AT THE TIME THIS MESSAGE IS ISSUED.

D. DUE TO THE DETAIL NECESSARY IN THE PROCEDURE FOR REPLACEMENT OF THE BELLOWS, THE REPLACEMENT PROCEDURE CANNOT BE SPECIFIED IN THIS MESSAGE. WRITTEN COPIES OF THE REPLACEMENT PROCEDURES CAN BE OBTAINED FROM YOUR LOGISTICS ASSISTANCE REPRESENTATIVE (LAR). IF YOU DO NOT HAVE ACCESS TO A LAR, A COPY CAN BE OBTAINED BY CALLING PAGE 05 RUCIFRD5279 UNCLAS

MR. CHARLES ELKINS, DSN/AUTOVON 693-3763, OR COMMERCIAL 314/263-3763.

11. WEIGHT AND BALANCE - N/A.

12. RECORDING AND REPORTING REQUIREMENTS

A. REPORTING SUSPENSE DATE (AIRCRAFT) - UPON ENTERING REQUIREMENTS OF THIS MESSAGE ON DA FORM 2408-13, FORWARD A PRIORITY MESSAGE, DATAFAX OR E-MAIL TO COMMANDER, AVSCOM, ATTN AHSV-XSOF

16148 EST

MGHCOMP

1 R RUCIFRD5278 1932056 DA-BDCVBA
R 121900Z JUL 90 ZEX
FM CDR AVSCOM ST LOUIS MO //AMSAV-XSOF//
TO RUCLRFA/USDA FOREST SERVICE AVIATION FIRE MGMT
//3905 VISTA AVE BOISE ID 83705//
DA-BDCVBA

UNCLAS

SECTION 01 OF 03

SUBJECT - SAFETY-OF-FLIGHT MESSAGE, MAINTENANCE MANDATORY, RCS
CSGLD-1860(R1) ALL UH-1H/V AIRCRAFT, ONE TIME AND RECURRING
INSPECTION OF THE IMPROVED PARTICLE SEPARATOR, (UH-1-90-05)
(TB55-1520-210-20-16)

A. REPORTING SUSPENSE DATE - WITHIN 10 WORKING DAYS OF THE DATE OF
THIS MESSAGE PER PARA 12A.
B. TASK/INSPECTION SUSPENSE DATE - AT NEXT PREVENTATIVE MAINTENANCE
DAILY INSPECTION AND EVERY 50 FLIGHT HOURS OR 30 CALENDAR DAYS
PAGE 02 RUCIFRD5278 UNCLAS
THEREAFTER, WHICHEVER OCCURS FIRST.

NOTE - THIS IS A SAFETY-OF-FLIGHT MESSAGE AND 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 WILL IMMEDIATELY
VERIFY THIS RETRANSMISSION TO COMMANDER, AVSCOM, ATTN - AMSAV-XSOF
(SOF COMPLIANCE OFFICER).

C. EXPIRATION DATE - 14 JUL 91.

D. REFERENCES -

(1) AVIATION SAFETY MESSAGE, UH-1-ASM-90-02, IMPROVED PARTICLE
SEPARATOR.

(2) TM 55-1520-210-23-1, AVIATION UNIT AND INTERMEDIATE
MAINTENANCE MANUAL FOR UH-1H/V AND EH-1H/X HELICOPTERS, BASIC 30
SEP 87 THRU CHG 12 DTD 12 APR 90.

(3) TM 55-1520-210-23P-1, REPAIR PARTS AND SPECIAL TOOLS LIST
FOR UH-1 HELICOPTER, BASIC 27 FEB 81 THRU CHG 21 DTD 16 MAR 90.

(4) TM 55 1520-210-PM, UH-1H/V AND EH-1H/X AIRCRAFT PHASED
MAINTENANCE CHECKLIST, BASIC 4 JAN 83 THRU CHG 13 DTD 16 APR 90.

1. SUMMARY OF PROBLEM -

PAGE 03 RUCIFRD5278 UNCLAS

A. NUMEROUS REPORTS CITING PREMATURE DETERIORATION OF THE INNER
SEAL ASSEMBLY BELLOWS AND THE AFT SEAL ASSEMBLY BELLOWS FOR THE

IMPROVED PARTICLE SEPARATOR, (PER MWO 55-1520-210-50-25), ON THE UH-1H/V AIRCRAFT HAVE BEEN RECEIVED. INFORMATION AND GUIDANCE ON THIS PROBLEM WAS ISSUED TO USERS VIA REFERENCE D(1) ABOVE, AVIATION SAFETY MESSAGE.

B. PREVIOUSLY, DETERIORATION OF THE BELLOWS WAS NOT THOUGHT TO BE A SAFETY OF FLIGHT PROBLEM. MORE RECENT INFORMATION HAS SHOWN THAT AS DETERIORATION PROGRESSES THE BELLOWS PORTION OF THE SEAL ASSEMBLIES CAN DEFORM AND RESTRICT AIR FLOW TO THE ENGINE. THE REDUCTION OF AIR FLOW CAN CAUSE SEVERE LOSS OF POWER. TWO CONFIRMED INCIDENTS OF THIS NATURE HAVE RESULTED IN THE FORCED AUTOROTATION OF UH-1H AIRCRAFT.

C. NEWLY DESIGNED BELLOWS FOR THE INNER SEAL ASSEMBLIES AND AFT RADIUS SEAL ASSEMBLIES WILL BE AVAILABLE IN THE NEAR FUTURE AND WILL ELIMINATE THE DETERIORATION PROBLEM. THE NEW BELLOWS WILL BE RED IN COLOR, WHEREAS THE CURRENT BELLOWS ARE BLACK. THE NEW BELLOWS (SAME PART NUMBER) WILL BE ISSUED TO ALL USERS OF THE IMPROVED PARTICLE SEPARATOR WHEN AVAILABLE. UNTIL NEW BELLOWS CAN BE INSTALLED, PERIODIC INSPECTION OF THE CURRENT BELLOWS WILL BE REQUIRED. SHOULD

PAGE 04 RUCIFRD5278 UNCLAS
REPLACEMENT OF THE CURRENT BELLOWS BE REQUIRED PRIOR TO RECEIPT OF THE NEW BELLOWS, SOME BLACK SPARE BELLOWS ARE AVAILABLE.

D. THE PURPOSE OF THIS MESSAGE IS TO REQUIRE A ONE TIME AND RECURRING INSPECTION OF THE INNER SEAL ASSEMBLY (P/N CE00553-1D4A) AND THE AFT RADIUS SEAL ASSEMBLY (P/N CD00553-1D213A) FOR DETERIORATION OF THE BELLOWS.

E. FOR MANPOWER/DOWNTIME AND FUNDING IMPACTS SEE PARA 6.
2. PRIORITY CLASSIFICATION -

NOTE - SEE AR 95-3, PARA 5-7A, FOR NONCOMPLIANCE AUTHORITY OF MAJOR COMMANDERS.

A. AIRCRAFT IN USE - UPON RECEIPT OF THIS MESSAGE THE CONDITION STATUS SYMBOL OF THE CITED AIRCRAFT WILL BE CHANGED TO A CIRCLED RED //X//. THE CIRCLED RED //X// MAY BE CLEARED WHEN THE INSPECTION OF PARA 9 BELOW 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//. WHILE THE AIRCRAFT IS ON A CIRCLED RED //X// IT MAY BE REPORTED AS FULLY MISSION CAPABLE (FMC).

B. AIRCRAFT IN DEPOT MAINTENANCE - AIRCRAFT WILL NOT BE ISSUED
PAGE 05 RUCIFRD5278 UNCLAS
UNTIL COMPLIANCE WITH THIS SOF HAS BEEN COMPLETED.

C. AIRCRAFT UNDERGOING MAINTENANCE - SAME AS PARA 2A.

D. AIRCRAFT IN TRANSIT -

(1) SURFACE/AIR SHIPMENT - SAME AS PARA 2A.

(2) FERRY STATUS - SAME AS PARA 2A.

E. MAINTENANCE TRAINERS - N/A.

F. COMPONENT/PARTS IN STOCK INCLUDING WAR RESERVES AT ALL LEVELS (DEPOT AND OTHERS) - N/A.

3. END ITEMS TO BE INSPECTED - ALL UH-1H/V AIRCRAFT WITH IPS INSTALLED PER MWO 55-1520-210-50-25.

4. ASSEMBLY COMPONENTS TO BE INSPECTED -

NOMENCLATURE

PART NO.

NSN

WESTERN UNION MAILGRAM[®]



③

INNER SEAL ASSY	CE00553-1D4A	
AFT RADIUS LIP SEAL ASSY	CD00553-1D213A	2945-01-288-5563
5. PARTS TO BE INSPECTED -		
NOMENCLATURE	PART NO.	NSN

16:47 EST

MGMCOMP

1 R RUCIFRD5279 1932056 DA-BDCVBA
R 121900Z JUL 90 ZEX
FM CDR AVSCOM ST LOUIS MO //AMSAV-XSOF//
TO RUCLRFA/USDA FOREST SERVICE AVIATION FIRE MGMT
//3905 VISTA AVE BOISE ID 83705//
DA-BDCVBA

UNCLAS

SECTION 02 OF 03

INNER BELLOWS

CD00553-1D114A

1680-01-322-6435

AFT BELLOWS

CD00553-1D124A

1680-01-320-1317

NOTE

THE CURRENT CHANGE TO TM 55-1520-210-23P-1 DOES NOT INCLUDE A BREAKDOWN OF THE ABOVE ASSEMBLIES IN (PARA 4) TO SHOW THE ABOVE PARTS IN (PARA 5). AN URGENT CHANGE TO THIS MANUAL IS IN PROCESS TO INCLUDE THIS INFORMATION.

6. APPLICATION -

PAGE 02 RUCIFRD5279 UNCLAS

A. CATEGORY OF MAINTENANCE - AVUM. AIRCRAFT DOWNTIME WILL BE CHARGED TO AVUM.

B. TIME REQUIRED -

(1) TOTAL OF 2 MANHOURS USING 2 PERSONS.

(2) TOTAL OF 1 HOURS DOWNTIME FOR ONE END ITEM.

C. ESTIMATED COST IMPACT OF STOCK FUND ITEMS TO THE FIELD -

NOMENCLATURE	PART NO./NSN	QUANTITY	COST EA.	TOTAL \$
INNER BELLOWS	CD00553-1D114A	ONE	88.68	88.68
AFT BELLOWS	CD00553-1D124A	ONE	156.55	156.55

TOTAL COST PER AIRCRAFT 245.23

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 INSPECTION - A COPY OF THIS MESSAGE SHALL BE INSERTED INTO THE APPROPRIATE MAINTENANCE MANUAL AS AUTHORITY TO PERFORM THIS RECURRING INSPECTION UNTIL THE PRINTED CHANGE IS RECEIVED.

7. SUPPLY/PARTS AND DISPOSITION -

A. PARTS REQUIRED - ITEMS CITED IN PARAGRAPHS 4 AND 5 MAY BE REQUIRED TO REPLACE DEFECTIVE ITEMS.

B. REQUISITIONING INSTRUCTIONS - REQUISITION REPLACEMENT PARTS

PAGE 03 RUCIFRD5279 UNCLAS

THROUGH NORMAL SUPPLY CHANNELS USING NORMAL SUPPLY PROCEDURES.

C. BULK AND CONSUMABLE MATERIALS - N/A.

D. DISPOSITION - DISPOSE OF REMOVED PARTS/COMPONENTS IN ACCORDANCE WITH NORMAL SUPPLY PROCEDURES. A DDR IS NOT REQUIRED.

E. DISPOSITION OF HAZARDOUS MATERIAL - N/A.

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

9. INSPECTION PROCEDURES -

A. GAIN ACCESS TO INNER SEAL ASSEMBLY (TM 55-1520-210-23P-1, FIG 107A, ITEM 44) AND AFT RADIUS SEAL ASSEMBLY (ITEM 35) USING THE PROCEDURE SPECIFIED IN TM 55-1520-210-23-1, PARA 4-57.3. VISUALLY INSPECT THE RUBBER BELLOWS OF EACH ASSEMBLY FOR EVIDENCE OF CRACKING OR CHECKING. USE OF A HAND HELD MIRROR AND FLASHLIGHT MAY BE NECESSARY TO INSURE ALL AREAS ARE INSPECTED. NO CRACKING OR CHECKING IS ALLOWED. INSPECT ALSO FOR DELAMINATION OF THE RUBBER FROM THE FABRIC BACKING. ANY SIGN OF DELAMINATION IS CAUSE FOR REPLACEMENT.

NOTE

THE RUBBER SURFACE OF THE BELLOWS IS ORIENTED TO THE INSIDE OF BOTH SEAL ASSEMBLIES. IT MAY BE NECESSARY TO REMOVE ANY FOREIGN RESIDUE SUCH AS OIL, WATER, CLEANING SOLVENT, DIRT, ETC. FROM THE INTERIOR OF THE BELLOWS TO PERMIT ADEQUATE INSPECTION.

B. THE INSPECTION OF PARA 9A ABOVE SHALL BE REPEATED EVERY 50 FLIGHT HOURS OR 30 CALENDAR DAYS, WHICHEVER OCCURS FIRST, UNTIL NEWLY DESIGNED RED BELLOWS ARE INSTALLED.

10. CORRECTION PROCEDURES -

A. REPLACE BELLOWS THAT FAIL THE INSPECTION OF PARA 9 ABOVE.

B. REPLACEMENT OF THE BELLOWS WILL REQUIRE REMOVAL OF THE INNER SEAL ASSEMBLY OR THE AFT RADIUS LIP SEAL ASSEMBLY. THE PROCEDURE FOR REMOVAL OF THE SEAL ASSEMBLIES IS SPECIFIED IN TM 55-1520-210-23-1, PARA 4-57.3.

C. THE PROCEDURE FOR REPLACEMENT OF THE BELLOWS ON BOTH THE INNER SEAL ASSEMBLY AND THE AFT RADIUS SEAL ASSEMBLY IS NOT INCLUDED IN THE CURRENT CHANGE TO THE ABOVE MANUAL. AN URGENT CHANGE IS IN PROCESS TO INCLUDE THIS INFORMATION, HOWEVER, WILL NOT BE AVAILABLE AT THE TIME THIS SOF MESSAGE IS ISSUED.

D. DUE TO THE DETAIL NECESSARY IN THE PROCEDURE FOR REPLACEMENT OF THE BELLOWS, THE REPLACEMENT PROCEDURE CANNOT BE SPECIFIED IN THIS MESSAGE. WRITTEN COPIES OF THE REPLACEMENT PROCEDURES CAN BE OBTAINED FROM YOUR LOGISTICS ASSISTANCE REPRESENTATIVE (LAR). IF YOU DO NOT HAVE ACCESS TO A LAR, A COPY CAN BE OBTAINED BY CALLING PAGE 05 RUCIFRD5279 UNCLAS MR. CHARLES ELKINS, DSN/AUTOVON 693-3763, OR COMMERCIAL 314/263-3763.

11. WEIGHT AND BALANCE - N/A.

12. RECORDING AND REPORTING REQUIREMENTS

A. REPORTING SUSPENSE DATE (AIRCRAFT) - UPON ENTERING REQUIREMENTS OF THIS MESSAGE ON DA FORM 2408-13, FORWARD A PRIORITY MESSAGE, DATAFAX OR E-MAIL TO COMMANDER, AVSCOM, ATTN AMSAV-XSOF

16:50 EST

MGMCOMP