

01 12 132301Z JUN 01 PP PP UUUU AA ZYUW

FROM
 :CDRAMCOM REDSTONE ARSENAL AL//AMSAM-SF-A//
 TO
 :AIG 8881
 :AIG 9004
 :AIG 7515
 :AIG 7471
 :AIG 12124
 :CRDATC ABERDEEN PROVING GROUND MD//CSTE-DTC-AT-WC-W//
 :CD8BGAD RICHMOND KY//SIOBG-GC//
 :RAYTHEON RANGE SYSTEMS ENGINEERING KNAJALEIN MH//PAT2//
 :CHIEF ARMY AIR DIV HOLLOMAN AFB NM//CSTE-DTC-WS-NRO-F//
 :USDOCO LANDSOUTHEAST IZMIR TU//AV//
 :WALLOPS FLIGHT FACILITY NASA WALLOPS ISLAND VA//
 : CODE 831.2 AIRCRAFT QA//

*ASAM
 UH-1-01-ASAM-04
 improved inertia reel*

INFO
 :CDRMDW WASHINGTON DC//ANLG-LS//
 :FBI WASHINGTON DC//ISD ASOS AVIATION//
 :FAA SOUTHWEST RGN SQ FORT WORTH TX//ASM-100//
 :CGUSASMDC ARLINGTON VA//CSSD/ZA//
 XMT
 :

ACCT

TEXT

:UNCLAS
 SUBJECT - AVIATION SAFETY ACTION MESSAGE, MAINTENANCE MANDATORY,
 RCS C8GLD-1860(R1), ALL UH-1 SERIES, IMPROVED INERTIA REEL
 INSTALLATION, UH-1-01-ASAM-04 (TB 1-1520-210-20-55).

NOTE

THIS MESSAGE IS ISSUED IAW AR 95-1, 1 SEP 97, CHAPTER 6. 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, AMCOM, ATTN: AMSAM-SF-A (SOV COMPLIANCE OFFICER).

1. PRIORITY CLASSIFICATION -

NOTE

IAW AR 95-1, PARAGRAPH 6-6A/6-14A, MACOM COMMANDERS MAY AUTHORIZE
 TEMPORARY EXCEPTION FROM MESSAGE REQUIREMENTS. EXCEPTION MAY
 ONLY OCCUR WHEN COMBAT OPERATIONS OR MATTER OF LIFE OR DEATH IN
 CIVIL DISASTERS OR OTHER EMERGENCIES ARE SO URGENT THAT THEY
 OVERRIDE THE CONSEQUENCES OF CONTINUED AIRCRAFT OPERATION.

A. AIRCRAFT IN USE - UPON RECEIPT OF THIS MESSAGE, MAKE THE
 FOLLOWING ENTRY ON THE DA FORM 2408-13-1. ENTER A RED HORIZONTAL
 DASH // - // STATUS SYMBOL WITH THE FOLLOWING STATEMENT: "INSTALL
 MA-16 INERTIA REEL IAW TB 1-1520-210-20-55 AS SOON AS POSSIBLE,
 BUT NLT 31 JANUARY 2002." CLEAR THE RED HORIZONTAL DASH // - //
 ENTRY WHEN THE PROCEDURES IAW PARAGRAPH 9 ARE COMPLETED. THE
 AFFECTED AIRCRAFT SHALL BE MODIFIED AS SOON AS PRACTICAL BUT NO
 LATER THAN 31 JANUARY 2002. COMMANDERS WHO ARE UNABLE TO COMPLY
 WITH THE REQUIREMENTS OF THIS MESSAGE WITHIN THE TIME FRAME
 SPECIFIED WILL UPGRADE THE AFFECTED AIRCRAFT STATUS SYMBOL TO A
 RED //X//.

- B. AIRCRAFT IN MAINTENANCE FACILITY -
 (1) AIRCRAFT IN AVUM, AVIM OR DEPOT - SAME AS PARA 1A.
 (2) AIRCRAFT AT CONTRACTOR FACILITY - SAME AS PARA 1A.

- C. AIRCRAFT IN TRANSIT - SAME AS PARA 1A.
- D. MAINTENANCE TRAINERS (CATEGORY A AND B) - N/A.
- E. COMPONENT/PARTS IN STOCK AT ALL LEVELS (DEPOT AND OTHERS) INCLUDING WAR RESERVES - N/A.
- F. COMPONENTS/PARTS IN WORK (DEPOT LEVEL AND OTHERS) - N/A.
- 2. TASK/INSPECTION SUSPENSE DATE - COMPLETE THE CORRECTION PROCEDURES IAW PARAGRAPH 9 NLT 31 JANUARY 2002.
- 3. REPORTING COMPLIANCE SUSPENSE DATE - REPORT COMPLIANCE IAW PARA 14A(1) NLT 9 JULY 2001.
- 4. SUMMARY OF PROBLEM -

A. BACKGROUND -

(1) STUDIES HAVE SHOWN THAT THE MA-6/8 INERTIA REELS CURRENTLY IN USE MAY NOT BE PERFORMING TO THE ORIGINAL DESIGN SPECIFICATION. THE CURRENT FIELD METHODS FOR DETERMINING REEL SERVICEABILITY ARE NOT AN ACCURATE/EFFECTIVE MEANS OF DETECTING IMPENDING REEL FAILURE (FAILS TO LOCK). CURRENT MILITARY SPECIFICATIONS REQUIRE INCREASED QUALIFICATION AND LIFE CYCLE TESTING, WHICH IMPROVE THE RELIABILITY AND PERFORMANCE OF THE REELS.

(2) THE MA-16 REEL HAS BEEN QUALIFIED TO THE CURRENT SPECIFICATIONS AND IS A DROP IN REPLACEMENT (MODERNIZATION THROUGH SPARES) WHICH WILL PROVIDE IMPROVED PROTECTION TO THE UH-1 AIRCREW. A TECHNICAL BULLETIN HAS BEEN DEVELOPED FOR FIELD LEVEL CHANGEOUT OF THE MA-6/8 REELS, WITH THE MA-16 REEL. DUE TO THE IMPENDING FLEET REDUCTIONS, AND THE LIMITED AVAILABILITY OF CERTAIN CRITICAL COMPONENTS (TAIL FIN, ENGINES, MAST ASSEMBLIES), THE UTILITY HELICOPTER PROJECT OFFICE HAS PROCURED SUFFICIENT QUANTITIES OF MA-16 REEL KITS TO RETROFIT ONLY THE FLYING FLEET OF UH-1 AIRCRAFT. EACH REEL KIT IS FREE ISSUE AND WILL CONSIST OF AN MA-16 INERTIA REEL (WITH UH-1 LEADER STRAP INSTALLED) AND A SINGLE BOLT.

(3) ONLY THOSE AIRCRAFT THAT HAVE BEEN IDENTIFIED AS OPERATIONAL (OR PROJECTED TO BE OPERATIONAL BY 31 JANUARY 2002) BY THE RESPECTIVE MACOM WILL RECEIVE FREE ISSUE KITS. ANY ADDITIONAL AIRCRAFT SHALL BE MODIFIED AT UNIT LEVEL EXPENSE, BY SEPARATELY PROCURING THE KIT COMPONENTS FROM SUPPLY. WHEN SEPARATELY PROCURING THE KIT COMPONENTS FROM SUPPLY, THE EXISTING AIRCRAFT LEADER STRAP MAY BE REINSTALLED (REUSED) IN THE MA-16 REEL IF IT MEETS TM SERVICEABILITY CRITERIA. SEE PARAGRAPH 10.A FOR LISTING OF REEL KIT COMPONENTS.

(4) DELIVERIES OF UH-1 REEL KITS, ARE EXPECTED TO BEGIN IN MID-MAY, WITH INITIAL INSTALLATIONS BEGINNING IN JUNE 2001.

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

C. THE PURPOSE OF THIS MESSAGE IS TO ALERT THE UH-1 COMMUNITY THAT REPLACEMENT OF THE MA-6/8 INERTIA REELS SHALL BE ACCOMPLISHED AS SOON AS POSSIBLE BUT NLT 31 JANUARY 2002.

- 5. END ITEMS TO BE INSPECTED - ALL UH-1 SERIES AIRCRAFT.
- 6. ASSEMBLY COMPONENTS TO BE INSPECTED - N/A.
- 7. PARTS TO BE INSPECTED - N/A.
- 8. INSPECTION PROCEDURES - N/A.
- 9. CORRECTION PROCEDURES -

A. REPLACE MA-6/8 INERTIA REELS (TM 55-1520-210-23P, FIGURE 34 ITEM 29) IN ACCORDANCE WITH TB 1-1520-210-20-55.

NOTE

UNIT COMMANDERS WILL PROVIDE AN INITIAL BRIEFING TO ALL UH-1 AVIATORS ASSIGNED THAT IT IS MORE IMPORTANT NOW THAN IN THE PAST THAT THEY SHOULD LOCK THEIR SHOULDER HARNESS PRIOR TO EMERGENCY LANDING.

NOTE

COMMANDERS WILL INSURE THAT MA-16
INERTIA REELS ARE INSTALLED UPON RECEIPT.

B. FOLLOWING INSTALLATION OF THE MA-16 INERTIA REEL,
ANNOTATE THE DA FORM 2408-15 THAT THE INERTIA REEL INSTALLATION
IS COMPLETE, AND CLEAR THE ORIGINAL RED HORIZONTAL DASH // - // ON
THE DA FORM 2408-13-1.

NOTE

UNIT COMMANDERS WILL PLACE A COPY OF THIS
MESSAGE IN THE UNITS AVIATORS READING FILE.

10. SUPPLY/PARTS AND DISPOSITION -

A. PARTS REQUIRED - THE UH-1 MA-16 REEL KIT, P/N 990147-1
NSN 1680-01-474-6552 CONSISTS OF:

NOMENCLATURE	PART NO.	NSN
REEL INERTIA	015-870145-3-16	1680-01-437-0396
STRAP	960009-3	1680-01-437-0400
BOLT	AN3-22A	5306-00-337-2861

B. REQUISITIONING INSTRUCTIONS - NATIONAL GUARD UNITS WILL
CONTACT THEIR RESPECTIVE AVCRAD FOR DISTRIBUTION OF KITS. ALL
OTHER US ARMY FACILITIES WILL CONTACT THE APPROPRIATE MACOM POC
IDENTIFIED IN PARAGRAPH 16F.

C. BULK AND CONSUMABLE MATERIALS -
TAPE, VINYL FSCM (58536) P/N A-A-1689, NSN 7510-00-515-2856
OR EQUIVALENT.

D. DISPOSITION - DEMILITARIZE/MUTILATE IAW TM 1-1500-328-23
ANY PART/COMPONENT REMOVED IAW THIS MESSAGE.

E. DISPOSITION OF HAZARDOUS MATERIAL - N/A.

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

12. APPLICATION -

A. CATEGORY OF MAINTENANCE - AVUM. AIRCRAFT DOWNTIME WILL
BE CHARGED TO AVUM. REPORT AIRCRAFT NON-MISSION CAPABLE
MAINTENANCE (NMCM) WHILE UNDERGOING CORRECTION IAW THIS MESSAGE.

B. ESTIMATED TIME REQUIRED -

(1) TO ANNOTATE RECORDS -

(A) TOTAL OF .5 MAN-HOURS USING 1 PERSON.
(B) TOTAL OF 0 HOURS DOWNTIME FOR ONE END ITEM.

(2) FOR REPLACEMENT -

(A) TOTAL OF 1 MAN-HOUR USING 1 PERSON.
(B) TOTAL OF 1 HOUR DOWNTIME FOR ONE END ITEM.

C. ESTIMATED COST IMPACT TO THE FIELD - SEE PARA 4A(3).

NOMENCLATURE	PART NO./NSN	QTY	COST EA.	TOTAL \$
UH-1 MA-16				
REEL KIT, 990147-1 / 1680-01-474-6552		2EA	\$1,143	\$2,286
OR				
REEL INERTIA	015-870145-3-16	2	1318.23	2636.46
	1680-01-437-0396			
STRAP	960009-3	2	222.46	444.92
	1680-01-437-0400			
BOLT	AN3-22A	2	.22	.44
	5306-00-337-2861			

TOTAL COST PER AIRCRAFT - \$3081.82

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 - TM 55-1520-210-23P AND TM 55-1520-210-23 SHALL BE
CHANGED TO REFLECT THIS MESSAGE. A COPY OF THIS MESSAGE SHALL BE
INSERTED IN THE APPROPRIATE TM AS AUTHORITY TO IMPLEMENT THE
CHANGE UNTIL THE PRINTED CHANGE IS RECEIVED.

13. REFERENCES -

A. DA PAM 738-751, 15 MAR 99.

B. TM 55-1520-210-23P