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*UH-1-95-ASAM-0/  
cartridge fuel  
pumps*

**Display Without Table Of Contents**

: FROM :CDRATCOM ST LOUIS MO//AMSAT-R-X// TO :AIG 6713 :AIG 9004 :AIG 9042 :AIG 8708 :AIG 7515 :AIG 7471 :AIG 12124 :DCM APMO OZARK AL//DCMDS-RCQA// :ASF42 81ST ARCOM DOBBINS AFB GA :CDR4THBN228THAVN SOTO CANO HO//AVN-AMO// :102DARMY SCOTT AFB IL//AFRC-AMO-ASF-IL// :CDRAPGSA ABERDEEN PROVING GROUND MD//STEAP-PF-V// :CDRCBDCOM ABERDEEN PROVING GROUND MD//AMSCB-CMA// :JOHNSON CONWORLDSVCINC KWAJALEIN MH//PAT2// :DIRAAOD HOLLoman AFB NM//STEWs-AA/GE/GS// :USCS CNAC OKLAHOMA CITY OK//AMI// :USDOCO LANDSOUTHEAST IZMIR TU//AV// :DPRO BELL HELICOPTER FORT WORTH TX//DCMDS-RBOB/RBP// :CDROSAC FT BELVOIR VA//ANAV-OS/ANAV-RW-M/ANAV-CR// :WALLOPS FLIGHT FACILITY NASA WALLOPS ISLAND VA ://CODE 831.2 AIRCRAFT QA// INFO :HQAFSPC PETERSON AFB CO//LGM// :CDRUSASDC WASHINGTON DC//CSSD-ZA// :SEC STATE WASHINGTON DC//NEA/MFO// :US CUSTOMS SERVICE WASHINGTON DC//AVIATION : OPERATIONS// :AFSOC HURLBURT FIELD FL//LGMW// :PROGMGR AIR FIELD TWO TWO FIVE PENSACOLA FL//PMA225// :NAVAVNDEPOT PENSACOLA FL//310B// :WR-ALC ROBINS AFB GA//LUHA// :HQ AMC SCOTT AFB IL//LG/LGF/LGQ/SEP/DO/DOT/DOV/ : DOX// :89AW ANDREWS AFB MD//LG// :CDR FT BRAGG NC//AFZA-GT-OM// :CDR HQ 1ST COSCOM FT BRAGG NC//LOGOPS AVN SECT : AFVH-DC-L// :CDR WHITE SANDS MISSILE RANGE NM//STEWs-AA// :DISC PHILADELPHIA PA//QEBB-JU// :CDR LSE AVIATION IZMIR TU//LSE// :ACC LANGLEY AFB VA//DOH/LGRC// :PMSW VHFS 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 :AMEMBASSY ANTANANARIVO MA :AMEMBASSY PORT LOUIS :SAO KUALA LUMPUR MY :AMEMBASSY KATHMANDU NP//POL-MIL// :AMEMBASSY VICTORIA ACCT : TEXT

**Subject**

AVIATION SAFETY ACTION MESSAGE, MAINTENANCE

MANDATORY, RCS CSGLD-1860(R1), ALL UH-1 SERIES AIRCRAFT ,  
 ONE TIME INSPECTION OF CARTRIDGE TYPE FUEL BOOST PUMP,  
 (UH-1-95-ASAM-01) (TB 1-1520-210-20-26)

NOTE - THIS IS AN AVIATION SAFETY ACTION MESSAGE ISSUED PER  
 AR 95-3, CHAPTER 5 REVISION VIA MESSAGE HQ AVSCOM, AMSAV-  
 XBOF, 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).

### 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 HORIZONTAL DASH //--//. THE RED HORIZONTAL  
 DASH //--// MAY BE CLEARED WHEN THE INSPECTION OF PARA B  
 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//.

B. AIRCRAFT IN DEPOT MAINTENANCE - AIRCRAFT WILL NOT BE  
 ISSUED UNTIL COMPLIANCE WITH THIS ASAM HAS BEEN COMPLETED.

C. AIRCRAFT UNDERGOING MAINTENANCE - AIRCRAFT WILL NOT  
 BE RELEASED UNTIL COMPLIANCE WITH THIS ASAM MESSAGE HAS BEEN  
 COMPLETED.

D. AIRCRAFT IN TRANSIT -  
 (1) SURFACE/AIR SHIPMENT - INSPECT AT FINAL  
 DESTINATION.

(2) FERRY STATUS - INSPECT AT FINAL DESTINATION.

E. MAINTENANCE TRAINERS (CATEGORY A, B AND C) - N/A.

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

### Task/Inspection Suspense Date

- WITHIN 10 HOURS/14 DAYS,

AFTER RECEIPT OF THIS MESSAGE.

### Reporting Compliance Suspense Date

- NO LATER THAN 1 MAR

### Summary of Problem

A. SEVERAL INCIDENTS HAVE BEEN REPORTED ON UH-1  
 AIRCRAFT THAT SHOW THE SHUTOFF ARM OF THE CARTRIDGE TYPE  
 FUEL BOOST PUMPS BENT. A BENT SHUTOFF ARM CAN RESTRICT FUEL  
 FLOW TO THE ENGINE FUEL CONTROL. THIS CONDITION IS  
 UNACCEPTABLE AND MAY RESULT IN POWER LOSS OR FLAMEOUT.

B. NONE OF THESE INCIDENTS HAVE BEEN REPORTED ON THE  
 AH-1 SERIES AIRCRAFT. THE AH-1 MAINTENANCE MANUAL

ADEQUATELY ADDRESSES THE POSSIBILITY OF BENDING THE ARM WHEN INSTALLING THE FUEL BOOST PUMP. THEREFORE, THE ONE TIME INSPECTION REQUIRED BY THIS MESSAGE DOES NOT APPLY TO AH-1 AIRCRAFT.

C. ALTHOUGH THE UH-1 MAINTENANCE MANUAL HAS RECENTLY BEEN UPDATED TO PRECLUDE THIS SITUATION DURING INSTALLATION OF THE BOOST PUMP, THERE COULD BE PUMP ASSEMBLIES CURRENTLY INSTALLED USING THE OLD PROCEDURE THAT RESULTED IN THE BENT ARM.

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

E. THE PURPOSE OF THIS MESSAGE IS TO REQUIRE A ONE-TIME INSPECTION OF THE CARTRIDGE TYPE BOOST PUMP SHUTOFF ARM ON UH-1 SERIES AIRCRAFT.

#### End Items To Be Inspected

- ALL UH-1 SERIES AIRCRAFT.

#### Assembly Components to be Inspected

NOMENCLATURE	PART NO.	NSN
PUMP, SUBMERGED	206-062-687-101	2915-01-124-5222

#### Parts to be Inspected

- N/A.

#### Inspection Procedures

A. GAIN ACCESS TO FUEL BOOST PUMPS BY REMOVING FUEL PUMP ACCESS PANELS.

##### WARNING

A BENT SHUTOFF VALVE ARM (LEVER) MAY PREVENT THE SHUTOFF VALVE FROM COMPLETELY OPENING CAUSING A RESTRICTED FUEL FLOW.

##### CAUTION

APPLY PRESSURE DIRECTLY OVER VALVE SPRING WHEN OPENING OR CLOSING VALVE STEM ASSEMBLY. TRYING TO COMPRESS VALVE SPRING FROM FREE END OF VALVE ARM WILL CAUSE VALVE ARM TO BEND. WHEN REMOVING OR INSTALLING SHOULDER SCREW, KEEP VALVE ARM DEPRESSED.

B. WHILE APPLYING UPWARD PRESSURE ON FUEL SHUTOFF VALVE, REMOVE SHOULDER SCREW (TM 55-1520-210-23-2, FIGURE 10-13, ITEM 39) FROM ARM (ITEM 38). RELEASE PRESSURE AND ALLOW VALVE TO CLOSE. IF THE VALVE MOVES LESS THAN 3/16 INCH FROM OPEN TO CLOSED POSITION, PERFORM THE CORRECTION PROCEDURES OF PARA 9.

C. INSPECT ARM. IF ARM IS OBVIOUSLY BENT, PERFORM CORRECTION PROCEDURE OF PARA 9. IF ARM IS NOT BENT, THE INSPECTION IS COMPLETE.

#### Correction Procedures