NOTE CLN THIS IS A MAINTENANCE ADVISORY MESSAGE AND HAS NOT, REPEAT HAS NOT, BEEN TRANSMITTED TO UNITS SUBORDINATE TO ADDRESSEES;
ALL ADDRESSEES SHOULD IMMEDIATELY RETRANSMIT THIS MESSAGE TO ALL
SUBORDINATE UNITS, ACTIVITIES OR ELEMENTS AFFECTED OR CONCERNED,
INCLUDING BOTH MAINTENANCE AND SUPPLY ELEMENTS. THE RETRANSMITTAL
SHALL REFERENCE THIS MESSAGE.

US Army Maintenance Advisory Message Concerning Inspection Require-
ments for the Model 540 Main Rotor Hub Assemblies Utilized on UH-1H/H,
AH-1G/SH/SH and TH-55 Series Helicopters (UH-1-78-8) and (AH-1-78-13).

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1. THE PURPOSE OF THIS MESSAGE IS TO CLARIFY AND STANDARDIZE THE INSPECTION REQUIREMENTS FOR ALL HELICOPTERS USING THE MODEL 540 MAIN ROTOR HUB ASSEMBLY.

2. STANDARDIZED INSPECTIONS CLN A. DAILY INSPECTIONS CLN (1) INSPECT HYD. ASSEMBLY EXTENSIONS, DUST SHIELDS, YOKE, BLADE GRIPS, PITCH HORNS AND DRAG BRACES FOR DAMAGE, CORROSION AND SECURITY.
(2) INSPECT TRUNNION HOUSINGS (P/N 540-021-181-3/4 HUBS ONLY) AND INBOARD FEATHERING BEARING HOUSINGS FOR PROTRUDING TFEOLN, TFEOLN RESIDUE, EVIDENCE OF OVERHEATING AND SECURITY OF EXTENSION SLEEVE.
(3) INSPECT OUTBOARD FEATHERING BEARINGS FOR EVIDENCE OF OVER-
HEATING AND TFEOLN RESIDUE.
(4) INSPECT ELASTOMERIC TRUNNION BEARINGS FOR DAMAGE AND
SECURITY.

3. INTERMEDIATE INSPECTION CLN

NOTE CLN IN THE EVENT THAT ANY OF THESE AIRCRAFT ARE TRANSITIONED TO THE PHASED MAINTENANCE PROGRAM, THESE INTERMEDIATE INSPECTION
REMOVALS WILL BECOME 20-25 HOUR SPECIAL INSPECTIONS.
(1) INSPECT FEATHERING BEARINGS FOR WHEEKNING, BINDING AND
RATCHETING WHILE FEATHERING GRIPS TO EACH LIMIT OF TRAVEL.

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(2) INSPECT TEFON TRUIMION BEARINGS (P/N 540-011-101-9/9 HUBS
ONLY) FOR WHEEKNING, BINDING AND RATCHETING WHILE FLAPPING HUB TO
EACH LIMIT OF TRAVEL; NOTE CLN DO NOT FLAP THE ROTOR HARD AGAINST
THE MAST.
C, SPECIAL INSPECTION CLN
NOTE CLN THE FOLLOWING ON-CONDITION SPECIAL INSPECTION SUPERSEDES
THE CURRENT 300 HOURS MANDATORY TEAR DOWN INSPECTION.
MAIN ROTOR HUB INSPECTION CLN THE FOLLOWING INSPECTION SHALL BE
PERFORMED WHENEVER EXTERNAL INDICATIONS OF HUB TEFON BEARING PROBLEMS
EXIST, I.E., UNUSUAL NOISES, EXCESSIVE HEAT, VIBRATIONS, ETC.
(1) REMOVE HUB ASSEMBLY FROM AIRCRAFT AND DISASSEMBLY TO THE
EXTENT REQUIRED IN ORDER TO DETERMINE THE SERVICEABILITY OF THE
FOLLOWING COMPONENTS CLN
(A) FEATHERING AXIS TEFON BEARINGS;
(B) EXTENSION SLEEVES;
(C) RADIUS RINGS;
(D) INBOARD BEARING HOUSING SEALS;
(E) OUTBOARD DUST SEALS;
(F) FLAPPING AXIS TEFON BEARINGS (P/N 540-001-101-9/9 HUBS
ONLY).

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(2) REPLACE ITEMS AS REQUIRED; REASSEMBLE HUB ASSEMBLY AND
REINSTALL ON AIRCRAFT.
NOTE CLN THE FOLLOWING REQUIREMENT IS APPLICABLE TO UH-1C/M
SERIES HELICOPTER ONLY CLN
(3) IF THE HUB FEATHERING AXIS BEARINGS WERE WORN TO THE EXTENT
THAT ROTOR FEEDBACK FORCES WERE EVIDENT IN THE CONTROLS, CONNECTING
LIGHS P/N 540-011-126-1/9 SHALL BE REPLACED.
3, THE STANDARDIZED INSPECTION REQUIREMENTS LISTED ABOVE ARE
EFFECTIVE IMMEDIATELY AND OR WILL BE
ADDED TO THE APPLICABLE -22/-23 MAINTENANCE MANUALS AND PMS INSPECTION
CARDS DURING FUTURE REVISIONS.
4, THE TSARCOM POINT OF CONTACT CONCERNING THIS MESSAGE IS CHARLES
BRIGHT, AUTOVON 695-9914 OR COMMERCIAL 314-268-9914.
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