

PRIORITY

7 APR 76 20 31z

CORRECTED
COPY

PAAUZELX RULNEAA1722 090200Z-UUUU--RUMMDTA;
ZNR UUUUU
ZDK ZEL RULNEAA1722 0972136 DUE TO NUMEROUS SYCS
P R 062116Z APR 76 ZEX ZEL
FM ARNG OPERATING ACTIVITY CENTER EDGEWOOD ARSENAL APG MD//QAQ-AVN-L//
TO AIG 7401
INFO RUEFHQA/CNGB WASHDC//NGB-ARL-A// *ARMY*
P R 061616Z APR 76
FM CDRUSAAVSCOM STL MO//DRSAV-FEU//
TO AIG 8881

BT

UNCLAS

NOTE THIS IS A MAINTENANCE ADVISORY MESSAGE 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;

SUBJECT MAINTENANCE ADVISORY MESSAGE FOR UH-1B/D/H HYDRAULIC SERVO CYLINDER ASSEMBLY P/N 205-076-099-7 (UH-1-76-8);

1. PURPOSE OF MESSAGE TO PROVIDE CORRECTING INFORMATION FOR TM 55-1650-294-40, CHANGE 5 DATED 19 DEC 75, TO CLARIFY SERVO ASSEMBLY OPERATING CHARACTERISTICS, THEREBY DECREASING CHANCE OF PREMATURE

PAGE TWO RULNEAA1722 UNCLAS
REPLACEMENT, AND TO PROVIDE DISPOSITION INSTRUCTIONS FOR UNSERVICEABLE BEARINGS;

2. CHANGE 5 TO TM 55-1650-294-40 WAS ISSUED ON 19 DEC 75; TWO ERRORS HAVE BEEN NOTED AND REQUEST FOR CORRECTION SUBMITTED THROUGH CHANNELS; PENDING PUBLICATION, CORRECTIONS ARE AS FOLLOWS

A. PG 2-2A/2-2B ITEM 1, SHIELD, IS SHOWN IN THE REVERSE POSITION; LARGE END SHOULD BE TOWARD RETAINER NUT (2);

B. PG 2-4 INDEX NO. 2-1 CYLINDER ASSEMBLY FLIGHT CONTROL P/N 205-076-038-7, ADD NOTE IN PARENTHESES (REWORK TO 205-076-099-7); THE REWORK SHOULD BE ACCOMPLISHED IN ACCORDANCE WITH INSTRUCTIONS ON PG 2-17 OF CHANGE 5;

3. THE NORMAL OPERATING CHARACTERISTICS OF THE 205-076-099-7 SERVO ASSEMBLY DIFFER FROM THOSE OF THE 205-076-038-7 AND ITS PREDECESSORS; TO PRECLUDE PREMATURE REMOVAL OF THE 099-7 ASSEMBLY, REMOVAL DECISION SHOULD CONSIDER THE FOLLOWING

A. THE 205-076-099-7 DOES NOT CONTAIN THE UNIBALL BEARING WHICH REQUIRES FISH-SCALE MEASURED TORQUE ADJUSTMENT; THE 099-7 ASSEMBLY INCORPORATES A ONE PIECE, SELF-LUBRICATING BEARING WHICH IS ADJUSTED AT MANUFACTURE; BEARING TENSION ADJUSTMENT IS NOT REQUIRED (AND CANNOT BE MADE) IN THE FIELD; TORQUE APPLIED TO THE UPPER AND LOWER

(141)

P. THREE RULNEAA1722 UNCLAS
BEARING RETAINING NUTS SECURES THE BEARING BUT DOES NOT AFFECT THE
TENSION ON THE ASSEMBLY.

B. THE 099-7 ASSEMBLY WITH THE SELF LUBRICATING BEARING WILL
HAVE MORE ROTATIONAL FREEDOM AT THE SUPPORT BEARING. THE BEARING IS
DESIGNED TO GIMBAL FREELY. THIS APPARENT CONFLICT WITH THE CHARAC-
TERISTIC TIGHTNESS OF THE 038-7 SERVO ASSEMBLY (WITH THE UNIBALL)
SHOULD NOT ARBITRARILY BE INTERPRETED AS AN EXCESSIVELY WORN BEARING.
~~EXCESSIVE WEAR OF THE KSP6099-1 SELF-LUBRICATING BEARING IS INDICATED
BY AXIAL PLAY OF THE BEARING WITHIN ITS CASING AND IS NOT CONSIDERED
EXCESSIVE UNTIL FEEDBACK IS FELT IN THE CONTROLS. WEAR LIMITS WILL
NOT NORMALLY BE REACHED IN LESS THAN 1000 HOURS OF BEARING SERVICE
AS LONG AS BEARING AND SHIELD ARE INSTALLED IN ACCORDANCE WITH
PRESCRIBED PROCEDURE.~~

C. SPECIAL CARE MUST BE TAKEN TO ENSURE THAT THE BEARING SHIELD
IS SECURELY IN PLACE, RESTING LIGHTLY AGAINST THE RETAINER NUT. IF
THE SHIELD IS ALLOWED TO SEPARATE FROM THE RETAINER NUT, WATER MAY
GAIN ACCESS TO THE INSIDE OF THE RETAINER AND CORROSION PRODUCTS
FORM IN THE RETAINER AND THE BEARING, ACCELERATING BEARING WEAR.
THIS INFORMATION IS BEING ADDED TO THE TM 55-1520-217-20 MANUAL,
4. SOURCE, MAINTENANCE AND RECOVERABILITY (SMR) CODES
SPECIFIED IN

PAGE FOUR RULNEAA1722 UNCLAS
DS AND GS MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST ARE BEING
REVISED TO REFLECT BEARING, BEARING HOUSING AND SHIELD REPLACEMENT
AT THE INTERMEDIATE LEVEL OF MAINTENANCE ON THE THREE LEVEL SYSTEM.
THE SMR FOR THE KSP6099-1 BEARING IS BEING CHANGED TO REFLECT REPAIR
CODED AND RECOVERABILITY CODE D. WHEN THE BEARING IS NO LONGER
SERVICEABLE OR CONDITION IS QUESTIONABLE, THE BEARING SHOULD BE
RETURNED TO CORPUS CHRISTI ARMY DEPOT (CCAD) FOR DISPOSITION.
BEARING SHOULD BE MARKED W56P89 BEARING RECLAMATION, PURPOSE CODE A,
CONDITION CODE F.

5. USAAVSCOM POINT OF CONTACT IS DRSAV-FEU, MR. DIXON, EXT 5066

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