NOTE: THIS IS A MAINTENANCE ADVISORY 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.

SUBJECT: MAINTENANCE ADVISORY MESSAGE CONCERNING ROTATING CONTROL SYSTEM BOLTED CONNECTIONS FOR UH-1H/M HELICOPTERS [UH-1-76-101]

1. THE PURPOSE OF THIS MESSAGE IS TO CLARIFY THE HARDWARE AND INSTALLATION TORQUE REQUIREMENTS FOR SUBJECT CONNECTIONS.

REPORTS OF CRACKED NUTS AND LOOSE CONNECTIONS WARRANT ISSUING THESE REFINING INSTRUCTIONS:

PAGE 2 RULNEAA35% UNCLASSIFIED

2. REF TO PARA 9F(1) AND 9F(2) DELETED SELF-LOCKING CASTELLATED NUTS AND SPECIFIED AN318-A NUTS TORQUED TO 700 INCH-POUNDS MINIMUM; 1100 INCH-POUNDS MAXIMUM ON BOTH ENDS OF SCISSORS TO MIXING LEVER CONNECTING LINK PN 548-011-426-5, NON-STANDARD TORQUE;

3. THE AN328-9 NUT USED ON THE SCISSORS Pivot Bolt IS TORQUED 450 INCH-POUNDS MINIMUM; 500 INCH-POUNDS MAXIMUM, NON-STANDARD TORQUE;

4. THE AN310-10 NUT USED ON THE STABILIZER BAR Pivot Bolt IS TORQUED 1000 INCH-POUNDS MINIMUM; 1500 INCH-POUNDS MAXIMUM, NON-STANDARD TORQUE;

5. THE NUTS USED AT THE FOLLOWING BOLTED CONNECTIONS WILL BE REVISED TO SPECIFY AN318 NUTS IN LIEU OF SELF-LOCKING CASTELLATED NUTS:

AN318-8 NUT WILL BE USED ON THE SWASHPLATE TO SCISSORS DRIVE LINK CONNECTIONS AND TORQUED TO 700 INCH-POUNDS MINIMUM 1100 INCH-POUNDS MAXIMUM, NON-STANDARD TORQUE;

AN310-8 NUT WILL BE USED AT THE SWASHPLATE TO ANTI-DRIVE LINK CONNECTION AND TORQUED TO 450 INCH-POUNDS TO 600 INCH-POUNDS, STANDARD TORQUE;

AN310-10 NUT WILL BE USED AT THE STABILIZER BAR MIXING LEVER TO PITCH LINK CONNECTIONS AND TORQUED 1250 INCH-POUNDS MINIMUM, 1950 INCH-POUNDS MAXIMUM, NON-STANDARD TORQUE;
9. AN310-10 nut will be used at the drive link to scissors lever connections and torqued 1250 inch-pounds minimum, 1550 inch-pounds maximum, non-standard torque.

10. AN310-7 nut will be used at the stabilizer bar center frame to mixing lever connections and torqued to 220 inch-pounds minimum, 720 inch-pounds maximum, non-standard torque.

11. AN310-5 nut will be used on the bolts at both ends of the stabilizer bar damper connecting link and torqued to 100 inch-pounds to 140 inch-pounds, standard torque.

12. Non-standard torques listed above exceed the installation torques for self-locking castellated nuts in some instances. Use of the AN nuts with high torques will give better results than other alternate choices available.

13. Recommend using above nuts to torques listed above, on subject connections, at the next scheduled intermediate inspection.

14. The affected manuals will be revised to reflect the above instruction.