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UH-1-77-19  
Chadwick Balance  
equipment for T/R

PAUZBXW RULNNAQ4299 2931957-UUUU--RUKMDTA;

ZNR UUUUU

R 201953Z OCT 77 ZEX

FM ODR ARNG-OAC EDGEWOOD MD //NGB-AVN-L//

TO AIG 1021

INFO RUMUSA/CNGB WASH DC //NGB-ARL-A//

R 201929Z OCT 77

FM CDRTSARCOM STL MD //DRSTS-MEU//

BT

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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 USE OF CHADWICK-HELMUTH VIBREX EQUIPMENT ON UH-1 SERIES  
HELICOPTER TAIL ROTOR SYSTEMS (UH-1-77-19)

- 1. TM 55-1522-219-34
- 2. TM 55-1522-219-34
- 3. TM 55-1522-220-34
- 4. TM 55-1522-218-MP

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- 1. TM 55-1522-219-PMS
- 2. TM 55-1522-220-PMS

1. THE PURPOSE OF THIS MESSAGE IS TO DISSEMINATE INFORMATION  
CONCERNING THE USE OF CHADWICK-HELMUTH VIBREX EQUIPMENT FOR  
TRACKING AND DYNAMIC BALANCING OF UH-1 TAIL ROTOR ASSEMBLIES.  
ALTHOUGH ARMYWIDE ISSUANCE OF THIS EQUIPMENT WILL NOT BEGIN UNTIL  
THE SPRING OF 1978, MANY UNITS HAVE ALREADY LOCALLY PURCHASED THE  
EQUIPMENT AND IN THE NEAR FUTURE CORPUS CHRISTI ARMY DEPOT WILL  
BEGIN DELIVERY OF OVERHAULED UH-1 SERIES HELICOPTERS WITH  
DYNAMICALLY BALANCED TAIL ROTOR ASSEMBLIES.

2. THE CHADWICK-HELMUTH VIBREX SYSTEM CONSISTS OF A FOCUSED,  
HANDHELD STROBE LIGHT, A BALANCER/PHAZOR UNIT, ASSOCIATED CABLES,  
BRACKETS, ACCELEROMETERS, MAGNETIC PICKUPS, INTERRUPTERS AND  
CHARTS. THIS SYSTEM CAN BE USED NOT ONLY FOR GROUND AND IN-  
FLIGHT TRACKING AND DYNAMIC BALANCING OF THE MAIN AND TAIL  
ROTOR SYSTEMS, BUT ALSO FOR TROUBLESHOOTING UNUSUAL VIBRATIONS  
WHICH MAY BE PRODUCED BY ROTATING ELEMENTS OTHER THAN THE ROTOR  
SYSTEMS. THE INFORMATION CONTAINED HEREIN IS LIMITED HOWEVER,  
TO THE UH-1 TAIL ROTOR APPLICATIONS.

3. DYNAMIC BALANCING OF THE UH-1 TAIL ROTOR ASSEMBLY MAY BE

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