

URGENT

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

**ALL H-60 AIRCRAFT
INCREASE IN FATIGUE LIFE OF THE
AEREX MANUFACTURED TAIL ROTOR
INBOARD RETENTION PLATE
P/N 70358-06612-042**

Headquarters, Department of the Army, Washington, D. C. 30 August 1996

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

NOTE

THIS PUBLICATION IS EFFECTIVE UNTIL RESCINDED OR SUPERSEDED.

1. Priority Classification. Urgent

- a. Aircraft in Use. Aircraft status not affected by this TB.
- b. Aircraft in Depot Maintenance. Same as paragraph 1.a.
- c. Aircraft Undergoing Maintenance. Same as paragraph 1.a.
- d. Aircraft in Transit.
 - (1) Surface/Air Shipment. Inspect at final destination.
 - (2) Ferry Status. Same as paragraph 1.d.(1).
- e. Maintenance Trainers (Category A and B). Same as paragraph 1.a.
- f. Component/Parts in Stock Including War Reserves at All Levels (Depot and Others). For applicable assemblies, review serial numbers as identified in paragraph 7 and annotate component records to reflect the new retirement life.

2. Task/Inspection Suspense Date. N/A.

3. Reporting Compliance Suspense Date. N/A.

4. Summary of the Problem.

- a. Per TB 1-1520-237-20-173, the retirement life of Aerex manufactured tail rotor inboard retention plates was reduced to 148 flight hours. The engineering testing for the subject components has been successfully completed

*This TB supersedes USAATCOM Message 221645Z Aug 96, (UH-60-96-ASAM-08).

and the retirement life for Aerex manufactured (CAGE 5K840) components will increase to the previously published value of 12000 hours.

b. For manpower/downtime and funding impacts, see paragraph 12.

c. The purpose of this TB is to annotate the appropriate component records of Aerex manufactured retention plates to reflect the full life as reflected in TM 1-1520-237-23-1.

5. **End Items to be Inspected.** All H-60 aircraft with Aerex manufactured inboard retention plates installed.

6. **Assembly Components Affected.**

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER
T/R Gearbox	70358-06600-041	1615-01-074-1222
T/R Gearbox	70358-06600-042	1615-01-102-6052
T/R Gearbox	70358-06600-043	1615-01-105-1510
T/R Gearbox	70358-06600-044	1615-01-280-4444
TIR Gearbox	70358-06600-046	1615-01-376-5089

7. **Part Affected.**

NOMENCLATURE	PART NUMBER	NATIONAL STOCK NUMBER
T/R Retention Plate	70358-06612-042	1615-01-074-5153

8. **Inspection Procedures.** Verify through aircraft records if tail rotor retention plate, 70358-06612-042, serial number C1324-001 through C1324-150 is installed in aircraft. If the serial number of the retention plate does match one of the serial numbers listed, perform actions in paragraph 9. If serial number does not match the above identified serial numbers, the inspection is complete.

9. **Correction Procedures** If a tail rotor retention plate is identified per paragraph 8. above, annotate the appropriate component records to reflect the new retirement life of 12000 hours.

10. **Supply/Parts and Disposition.** N/A.

11. **Special Tools, Jigs and Fixtures Required.** N/A.

12. **Application.**

a. Category of Maintenance. AVUM.

b. Estimated Time Required.

(1) Total of 0.25 man-hours using 1 persons.

(2) Total of 0.25 hours downtime for one end item.

c. TB/MWOs to be Applied Prior to or Concurrently with this Inspection. N/A.

d. Publications Which Require Change as a Result of This Inspection. TM 1-1520-237-23-1 shall be changed to reflect the previous retirement of 12000 hours for Aerex manufactured inboard retention plates.

13. **References.** TM 1-1520-237-23.

14. **Recording and Reporting Requirements.**

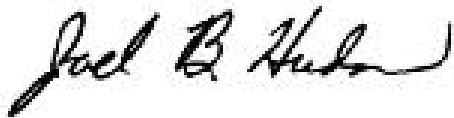
a. Reporting Compliance Suspense Date (Aircraft). N/A.

b. Task/Inspection Reporting Suspense Date (Aircraft). N/A.

c. Reporting Compliance Suspense Date (Spares). N/A.

By Order of the Secretary of the Army:

Official:



JOEL B. HUDSON

*Administrative Assistant to the
Secretary of the Army*

02166

DENNIS J. REIMER
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Chief of Staff*

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19. **Paragraph:** 3
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22. **Reference:** 6
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RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS

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The Metric System and Equivalents

Linear Measure

1 centimeter = 10 millimeters = .39 inch
 1 decimeter = 10 centimeters = 3.94 inches
 1 meter = 10 decimeters = 39.37 inches
 1 dekameter = 10 meters = 32.8 feet
 1 hectometer = 10 dekameters = 328.08 feet
 1 kilometer = 10 hectometers = 3,280.8 feet

Weights

1 centigram = 10 milligrams = .15 grain
 1 decigram = 10 centigrams = 1.54 grains
 1 gram = 10 decigrams = .035 ounce
 1 decagram = 10 grams = .35 ounce
 1 hectogram = 10 decagrams = 3.52 ounces
 1 kilogram = 10 hectograms = 2.2 pounds
 1 quintal = 100 kilograms = 220.46 pounds
 1 metric ton = 10 quintals = 1.1 short tons

Liquid Measure

1 centiliter = 10 milliliters = .34 fl. ounce
 1 deciliter = 10 centiliters = 3.38 fl. ounces
 1 liter = 10 deciliters = 33.81 fl. ounces
 1 dekaliter = 10 liters = 2.64 gallons
 1 hectoliter = 10 dekaliters = 26.42 gallons
 1 kiloliter = 10 hectoliters = 264.18 gallons

Square Measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch
 1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches
 1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet
 1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet
 1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47 acres
 1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch
 1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches
 1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

Approximate Conversion Factors

<i>To change</i>	<i>To</i>	<i>Multiply by</i>	<i>To change</i>	<i>To</i>	<i>Multiply by</i>
inches	centimeters	2.540	ounce-inches	Newton-meters	.007062
feet	meters	.305	centimeters	inches	.394
yards	meters	.914	meters	feet	3.280
miles	kilometers	1.609	meters	yards	1.094
square inches	square centimeters	6.451	kilometers	miles	.621
square feet	square meters	.093	square centimeters	square inches	.155
square yards	square meters	.836	square meters	square feet	10.764
square miles	square kilometers	2.590	square meters	square yards	1.196
acres	square hectometers	.405	square kilometers	square miles	.386
cubic feet	cubic meters	.028	square hectometers	acres	2.471
cubic yards	cubic meters	.765	cubic meters	cubic feet	35.315
fluid ounces	milliliters	29.573	cubic meters	cubic yards	1.308
pints	liters	.473	milliliters	fluid ounces	.034
quarts	liters	.946	liters	pints	2.113
gallons	liters	3.785	liters	quarts	1.057
ounces	grams	28.349	liters	gallons	.264
pounds	kilograms	.454	grams	ounces	.035
short tons	metric tons	.907	kilograms	pounds	2.205
pound-feet	Newton-meters	1.356	metric tons	short tons	1.102
pound-inches	Newton-meters	.11296			

Temperature (Exact)

°F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature	°C
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PIN: 075033-000