

**Service
Notice**

**MAIN ROTOR BLADE ROOT END
PERIODIC INSPECTION REQUIREMENTS**

SUMMARY:

This Notice requires cleaning and visually inspecting certain main rotor (M/R) blades and, depending on the outcome of the inspections, repairing or replacing the M/R blades. This Notice was prompted by discovery of a M/R blade with fatigue cracking around the blade retention bolt hole. The actions identified are intended to detect a crack in the M/R blade, and prevent failure of the M/R blade and subsequent loss of helicopter control.

PURPOSE:

Failure to comply with these inspection requirements may result in the loss of a main rotor blade during operation.

REVISION:

This document supersedes 204-2100-1R2 and Revises Serial Number Effectivity.

PART NUMBERS AND SERIAL NUMBERS AFFECTED:

204P2100-101, All Serial Numbers

HELICOPTER MODELS AFFECTED:

UH-1H Models: JJASPP Engineering Services (R00004RC), Tamarack Helicopters (R00010SE), OAS Parts LLC (H7SO), Rotorcraft Dev. Corp. (H13WE), Southwest Florida Aviation (H6SO), Global Helicopter Technology (R00002RC), Hagglund Helicopters (H15NM), Arrow Falcon Exporters (R00007DE), Richard's Heavylift Helo Inc. (H3SO), Northwest Rotorcraft (R00005SE)

UH-1B Models with STC SR00026DE Installed: Rotorcraft Dev. Corp. (H3NM), Rotorcraft Dev. Corp. (H13WE), San Joaquin Helicopters (H1RM), International Helicopters (H5SO), Richards Heavylift Helo, Inc. (H3SO), OAS Parts LLC (H7SO)

TH-1F Models: Rotorcraft Dev. Corp. (H12NM), Tamarack Helicopters (H7NE), Robinson Air Crane, Inc. (R00008AT)

UH-1F Models: Rotorcraft Dev. Corp. (H12NM), Tamarack Helicopters (H7NE), Robinson Air Crane, Inc. (R00008AT), AST, Inc (H11SW), California Department of Forestry (H2NM)

UH-1P Models: Rotorcraft Dev. Corp. (H12NM), Robinson Air Crane, Inc. (R00008AT)

204B Model: Bell Helicopter Textron, Inc. (H1SW)

205A Model: Bell Helicopter Textron, Inc. (H1SW)

205A-1 Model: Bell Helicopter Textron, Inc. (H1SW)

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REFERENCES:

- 1) Maintenance Manual HTCM-006, Main Rotor Blade (Installation and Maintenance), Revision C, dated May 12, 2015 or later.
- 2) FAA Airworthiness Directive (AD) 2016-23-09, dated December 27, 2016
- 3) Technical Manual – Aviation and Intermediate Maintenance Instructions Army Model UH-1H/V/EH-1H/X (TM 55-1520-210-23-1), Headquarters, Department of the Army, Washington, D.C., Change 47, dated 20 September 2005, or later approved revision.
- 4) Technical Manual – Preventative Maintenance Daily Inspection Checklist (TM 55-1520-210-PMD), Headquarters, Department of the Army, Washington, D.C.
- 5) Technical Manual – Phased Maintenance Checklist (TM 55-1520-210-PM), Headquarters, Department of the Army, Washington, D.C.
- 6) Federal Aviation Administration (FAA) Supplemental Type Certificate (STC) Number SR00026DE, Rotorcraft Development Corp., Corvallis, Montana, dated 06 September 2012, or later approved revision.
- 7) Helicopter Maintenance Manual Supplement No. 1 to Army Model UH-1B Helicopter (Restricted Category), San Joaquin Helicopters, Delano, California.
- 8) Technical Manual – Organizational Maintenance USAF Models TH-1F, UH-1F, and UH-1P Helicopters - T.O. 1H-1(U)F-2-1, Secretary of the Air Force, Washington, D.C., Change 14, dated 28 April 1988, or later approved revision.
- 9) Technical Manual – Scheduled Inspection and Maintenance Requirements USAF Series TH-1F, UH-1F, and UH-1P Helicopters - T.O. 1H-1(U)F-2-6, Secretary of the Air Force, Washington, D.C., Change 16, dated 16 February 1988, or later approved revision.
- 10) Maintenance and Overhaul Instructions – Bell Model 204B – BHT-204B-M&O-1, Bell Helicopter, a Textron Company, Fort Worth, Texas, Revision 10, dated 24 June 2011, or later approved revision.
- 11) Maintenance Manual – Bell Model 205A-1 – BHT-205A1-MM-1, Bell Helicopter, a Textron Company, Fort Worth, Texas, Revision 7, dated 08 July 2013, or later approved revision.

REQUIRED INSPECTIONS:

- 1) Perform Inspection in accordance with Airworthiness Directive (AD) 2016-23-09 at the interval specified.

RECORDING AND COMPLIANCE:

Record compliance with these inspections in the Rotorcraft Log Book.

POINTS OF CONTACT:

For further information and rotor blade disposition, contact Helicopter Technology Company, LLC (HTC) at (310) 523-2750, or FAX (310) 523-2745. www.helicoptertech.com