

TAIL ROTOR BLADE PITCH ARM CORROSION PROTECTION

SUMMARY:

Some operators have experienced persistent corrosion at the interface between the Pitch Link, Pitch Stud, and the Pitch Control Arm on each Tail Rotor Blade. This is accelerated by the presence of moisture in the environment, soot build-up on the tail rotor, and mechanical damage to the painted surfaces.

PURPOSE:

The purpose of this notice is to minimize the potential for corrosion at the interface between the Pitch Link, Pitch Stud, and the Pitch Control Arm on each Tail Rotor Blade.

Failure to comply with this bulletin is likely result in corrosion and premature retirement of the Tail Rotor Blades.

PART NUMBERS AND SERIAL NUMBERS AFFECTED:

500P3100 All Variants (STC Number SR09213RC) All Serial Numbers.

This blade is also known as MD Helicopters, Inc. Part Number 369D21640 All Variants and all references in MD Helicopters, Inc. CSP-HMI-2 that pertain to part number 369D21640 All Variants pertain to HTC part number 500P3100 All Variants as well.

500P3100 All Variants (STC Number SR01282LA) All serial Numbers.

This blade is also known as MD Helicopters, Inc. Part Number 369D21641 All Variants and all references in MD Helicopters, Inc. CSP-HMI-2 that pertain to part number 369D21641 All Variants pertain to HTC part number 500P3100 All Variants as well.

500P3300 All Variants (STC Number SR01282LA) All Serial Numbers.

This blade is also known as MD Helicopters, Inc. Part Number 369D21643 All Variants and all references in MD Helicopters, Inc. CSP-H-2 and CSP-H-4 that pertain to part number 369D21643 All Variants pertain to HTC part number 500P3300 All Variants as well.

500P3500 All Variants (STC Number SR01282LA) All Serial Numbers.

This blade is also known as MD Helicopters, Inc. Part Number 369D21642 All Variants and all references in MD Helicopters, Inc. CSP-HMI-2 that pertain to part number 369D21642 All Variants pertain to HTC part number 500P3500 All Variants as well.

HELICOPTER MODELS AFFECTED:

MD Helicopters, Inc. Models 369A, H, HE, HM, HS, D, E, and FF.

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TIME OF COMPLIANCE:

This bulletin shall be accomplished upon installation of a Tail Rotor Blade. For fielded blades, this bulletin shall be accomplished at or before the next 100-Hour Inspection

FAA APPROVAL:

N/A.

MANPOWER:

Approximately 0.33 man-hours will be required to accomplish this bulletin.

WARRANTY POLICY:

N/A.

DISPOSITION OF PARTS REMOVED:

N/A.

REFERENCES:

- 1) MD Helicopters, Inc. Handbook of Maintenance Instructions (CSP-H-2), Revision 17, dated May 15, 2001 or later
- 2) MD Helicopters, Inc. Appendix B (CSP-H-4), Revision 1, dated May 14, 2001 or later
- 3) MD Helicopters, Inc. Handbook of Maintenance Instructions (CSP-HMI-2), Revision 29, dated May 11, 2001 or later
- 4) MD Helicopters, Inc. Rotorcraft Log Book (CSP-RLB), Revision 2, dated February 17, 2000 or later
- 5) Maintenance Manual HTCM-002, Tail Rotor Blades (Installation and Maintenance), Revision C, dated November 22, 2004 or later.

REQUIRED MATERIALS:

- 1) Rubbing Alcohol
- 2) Q-Tips
- 3) Corrosion Inhibiting Shellac per TT-S-300

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WORK INSTRUCTIONS:

- 1) Upon installation of a Tail Rotor Blade or for a fielded Tail Rotor Blade Installation: Clean Blade Pitch Arm and Pitch Control Link areas (Figure 1) with Rubbing Alcohol and Q-Tips. Apply Corrosion Inhibiting Shellac to all exposed hardware shown in Figure 1 in the vicinity of the Blade Pitch Arm and Pitch Control Link, including the Pitch Stud, Castellated Nut, Washer, Pitch Arm Bushing, and Cotter Pin. Pay particular attention to any bare metal or removed paint on Blade Pitch Arm. This application should be performed after Dynamic Balance of Tail Rotor Assembly.

Note: Do not apply to Spherical Bearing in Pitch Control Link.

Note: It is important to keep Tail Rotor Blades clean for Inspectability.

Note: Do not apply over active corrosion. Contact Helicopter Technology Company for Disposition.

Note: Do not apply if active corrosion is observed. Contact Helicopter Technology Company for Disposition.

Note: Do not attempt to rectify corrosion in this area in the field. Contact Helicopter Technology Company for Disposition.

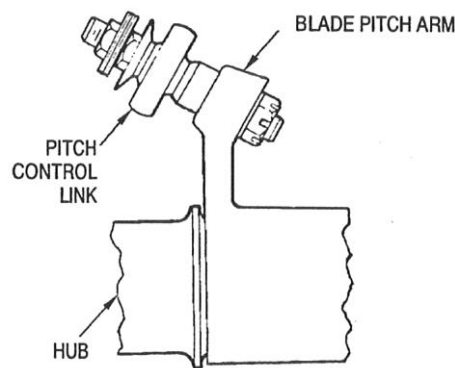


Figure 1 – Tail Rotor Blade Pitch Control Arm Area

RECORDING AND COMPLIANCE:

Record compliance with this Service Notice in the Technical Directives and Bulletins section of the Rotor Blade Serviceable Component Record.

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.