

MAIN ROTOR BLADE TRIM TAB BENDING LIMITATIONS

SUMMARY:

It has come to our attention that some operators of MDHI/Hughes 369/500/600 models of helicopters have been bending the Trim Tabs of their Main Rotor Blades beyond the limits specified in the maintenance manual.

PURPOSE:

The purpose of this bulletin is to remind operators of MDHI/Hughes 369/500/600 models of helicopters that there are Tab Bend limits specified in the maintenance manual and to ensure that they do not bend the Trim Tabs beyond those limits.

Failure to comply with this notice may result in loss of aircraft performance, excessive pilot workload, and excessive control loads. Balance of Collective loads may be impossible and 5-per-Rev vibration may be aggravated. Collective controls can become “too heavy” or “too light.”

REVISION:

N/A.

PART NUMBERS AND SERIAL NUMBERS AFFECTED:

500P2100 ALL VARIANTS (STC Number SR09074RC), 500P2100 ALL VARIANTS (STC Number SR09184RC), 500P2300 ALL VARIANTS (STC Number SR01050LA), 369D21120 ALL VARIANTS, 369D21121 ALL VARIANTS, 369D21123 ALL VARIANTS, 369D21100 ALL VARIANTS and 369D21102 ALL VARIANTS.

HELICOPTER MODEL AFFECTED:

MD Helicopters, Inc. Model 369A, H, HE, HM, HS, D, E, FF, 500N, and 600N.

REFERENCES:

- 1) MD Helicopters, Inc. Handbook of Maintenance Instructions (CSP-HMI-2), Revision 29, dated May 11, 2001 or later
- 2) MD Helicopters, Inc. Handbook of Maintenance Instructions (CSP-H-2), Revision 17, dated May 15, 2001 or later
- 3) MD Helicopters, Inc. Appendix B (CSP-H-4), Revision 1, dated May 14, 2001 or later
- 4) Maintenance Manual HTCM-001, Main Rotor Blades (Installation and Maintenance), Revision H, dated February 12, 2009 or later.

**Service
Notice**

**MAIN ROTOR BLADE
TRIM TAB BENDING LIMITATIONS**

TIME OF COMPLIANCE:

A/R

MANPOWER:

A/R

WARRANTY POLICY:

N/A

DISPOSITION OF PARTS REMOVED:

N/A

STEPS:

- 1) As applicable and in accordance with:
 - a. CSP-HMI-2, Section 18-10-00 Main Rotor Track and Balance, C. Blade Tab Adjustment
 - b. CSP-HMI-2, Section 18-10-60 Main Rotor Track and Balance (600N), C. Blade Tab Adjustment
 - c. CSP-H-4, Section 7. Main Rotor and Control System, B. Blade Tab Adjustment
 - d. HTCM-001, Chapter 18 Vibration and Noise Analysis
 - e. HTCM-001, Section 7. Main Rotor and Control System

Trim Tabs on Main Rotor blades shall not be bent more than +5 Degrees or less than -5 Degrees from the “zero” chord-line.

Additionally, the areas identified in the figures as “Not Used” shall be at “zero” unless specifically instructed to make bends in these areas by HTC or MDHI personnel in writing.

RECORDING AND COMPLIANCE:

N/A

POINTS OF CONTACT:

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