

SERVICE BULLETIN

DATE: 22 DECEMBER 2010

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KAMATICS SHAFT AND COUPLING OVERHAUL PROGRAM

1. PLANNING INFORMATION

A. Aircraft Affected:

MD Helicopters, Inc. (MDHI) all Model 369H, Model 369HE, Model 369HM, Model 369HS, Model 369D, Model 369E, Model 369FF, Model 500N and Model 600N Helicopters and all spares inventory.

B. Assembly/Components Affected By This Notice:

NOTE: Part numbers listed as a base part number (no dash) include all dash numbers.

369D25515 Interconnecting Shaft
500N5215 Interconnect Shaft
369D25501 Tail Rotor Driveshaft Coupling

C. Reason:

MDHI, in cooperation with Kamatics Corporation (Kamatics), has determined that all dash numbers of the 369D25515 and 500N5215 interconnect shafts and 369D25501 tail rotor driveshaft couplings should be returned for periodic scheduled disassembly and overhaul, since only exterior inspections are authorized by the MDHI Helicopter Maintenance Instructions (HMI) and Kamatics. The new overhaul program is being implemented because the parts are key components of the aircraft drive train with no life limits and, for continued safety, should be fully inspected at regular intervals. There have been no reports of any issues with hardware in the field or instances of the existing inspections being inadequate.

Because there are numerous shafts and couplings that have been in operation for longer than the intended overhaul period and the existing components have not been tracked, they will be returned based on the component serial number that was assigned by Kamatics at the time of manufacture.

D. Description:

This Bulletin gives owners and operators instructions to identify and record interconnect shaft and tail rotor driveshaft coupling serial numbers and to schedule overhaul and replacement of these parts with MDHI.

E. Time of Compliance:

The instructions in this bulletin must be completed no later than the next scheduled annual inspection or next inspection when access to components is convenient. Compliance not to exceed 12 months from issue of this bulletin.

F. FAA Approval:

N/A

G. Manpower:

Compliance with this bulletin will be approximately 4.0 man-hours for 369H, 369HE, 369HM, 369HS, 369D, 369E, and 369FF model aircraft and 12.0 man-hours for 500N and 600N model aircraft.

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H. Interchangeability:

None.

I. Points of Contact:

For further assistance, contact the Field Service Department at MDHI, Mesa, Arizona.
Telephone 1-800-388-3378 or 480-346-6387. DATAFAX: 480-346-6813.

J. Material/Part Availability:

N/A

K. Warranty Policy:

Standard warranty policy applies.

L. Disposition of Parts Removed:

N/A

M. Tooling:

N/A

N. Weight and Balance:

N/A

O. Electrical Load Data:

N/A

P. Other Publications Affected:

CSP-H-4, Periodic Inspections, Overhaul and Retirement Schedule and Weight and Balance Procedure (Basic HMI Appendix B)

CSP-HMI-2, Basic Handbook of Maintenance Instructions - Servicing and Maintenance

Q. Reference Publications:

Refer to the latest revision of these publications for procedures and additional information:

CSP-H-2, Basic Handbook of Maintenance Instructions (Basic HMI)

CSP-HMI-2, Basic Handbook of Maintenance Instructions - Servicing and Maintenance



SB369H-250
SB369E-103
SB500N-044

SB369D-208
SB369F-088
SB600N-052

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2. ACCOMPLISHMENT INSTRUCTIONS

A. Identify Interconnect Shaft and Tail Rotor Driveshaft Coupling Serial Numbers

- (1). Get access to the interconnect shaft. Ref. CSP-H-2, Section 9, Paragraph 6 (**369H/HE/HM/HS**) or CSP-HMI-2, Section 63-10-00 (**369D/E/FF - 500/600N**) and Section 63-15-30 (**500/600N**).
 - (a). Record the interconnect shaft serial number(s) in the Rotorcraft Log Book or on component card.
- (2). Get access to the tail rotor driveshaft couplings. Ref. CSP-H-2, Section 9, Paragraph 12 (**369H/HE/HM/HS**) or CSP-HMI-2, Section 63-15-10 (**369D/E/FF**) and Section 63-15-30 (**500/600N**).
 - (a). Record the tail rotor driveshaft coupling serial numbers in the Rotorcraft Log Book or on component card.

B. Schedule Interconnect Shaft and Tail Rotor Driveshaft Coupling Overhaul

- (1). Use Table 3 (Ref. CSP-H-4, Section 05-10-00 or CSP-HMI-2, Section 05-10-00) to get the interconnect shaft and tail rotor driveshaft overhaul schedule as given by component part number and serial number.
- (2). Update the Rotorcraft Log Book or component card with initial TBO date and next scheduled overhaul year for each component.

C. Compliance Record

- (1). Record compliance to this Service Bulletin in the Compliance Record section of the Rotorcraft Log Book.
- (2). Complete Bulletin Completed Record form (attached) and FAX or e-mail to MDHI Field Service Department.

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Bulletin Completed Record

Kamatics Shaft and Coupling Overhaul Program

MD Helicopters, Inc.
Field Service Department
4555 E. McDowell Road
Mesa, AZ 85215-9734

800-388-3378 Phone (U.S. and Canada)
480-346-6387 Phone (International)
480-346-6813 Fax

FAX this form to MDHI (480) 346-6813 or E-mail to ServiceEngineering@mdhelicopters.com

Owner /Operator: _____	Helicopter Serial No: _____
Address: _____	Helicopter Total Time: _____
_____	Date Complete: _____
_____	Location: _____
Phone: _____	
E-mail: _____	

This bulletin is complete: _____
(Signature)

(Print Name)

(Title)

Serial Number of Interconnect Shaft: _____ **Shaft Total Time:** _____

Serial Number of Interconnect Shaft: _____ **Shaft Total Time:** _____

Serial Number of Tail Rotor Driveshaft Coupling: _____ **Coupling Total Time:** _____

Serial Number of Tail Rotor Driveshaft Coupling: _____ **Coupling Total Time:** _____

Comments: _____

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