



# SERVICE BULLETIN

DATE: 9 APRIL 2015

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\* Supersedes Service Bulletins SB369H-254, SB369D-212, SB369E-107, SB369F-093, SB500N-047, and SB600N-057, dated 26 December 2012. Revised to show serial numbers which are not affected by the requirements of the initial issue of this service bulletin.

## MAIN ROTOR HUB LEAD LAG LINK ASSEMBLY INSPECTION AND DAILY PRE-FLIGHT CHECK

### 1. PLANNING INFORMATION

#### A. Aircraft Affected:

All MD Helicopters, Inc. (MDHI) Model 369A (OH-6A), 369H, 369HE, 369HS, 369HM, 369D, 369E, 369F/FF, 500N, and 600N helicopters with one or more main rotor hub lead lag link assemblies, Part No. (PN) 369H1203-51, -53, with a serial number (SN) prefix code of 5009-XXXX installed.

Lead lag link assemblies between SN 5009-1500 thru 5009-1629 (inclusive) do not have to comply with the requirements of this bulletin, but must be included in the normal daily pre-flight check.

#### B. Assembly/Components Affected By This Notice:

Main Rotor Hub Lead Lag Link Assembly, PN 369H1203-51, -53

#### C. Reason:

Some operators have reported that the bushings installed in one or more main rotor hub lead lag link assemblies, PN 369H1203-51, -53, with a serial number prefix code of 5009-XXXX, have become loose, moved and are no longer flush with the surface of the main rotor hub lead lag link assembly.

Failure to comply with this bulletin can result in excessive main rotor vibration, main rotor blade tracking problems, main rotor blade attaching pin damage, and main rotor hub lead lag link assembly damage or failure. Failure to replace an unserviceable main rotor hub lead lag link assembly could result in loss of a main rotor blade assembly or loss of a helicopter.

#### D. Description:

Procedures in this bulletin give owners and operators information to do a Daily Pre-Flight Check of the main rotor hub lead lag link assemblies.

#### E. Time of Compliance:

The requirements of this bulletin must be completed prior to the next flight.

#### F. FAA Approval:

The technical design aspects of this bulletin are FAA Approved.

#### G. Manpower:

Compliance with this bulletin will be approximately one half (0.5) man-hour. A one half (0.5) hour inspection credit is available and must be submitted to MDHI through an authorized Service Center.

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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:**

Contact MDHI Spares Sales Department for parts availability.  
Telephone: 1-800-388-3378 or 480-346-6540. DATAFAX: 480-346-6821.

## **K. Warranty Policy:**

The MDHI Warranty and Repair Department will give replacement main rotor hub lead lag link assemblies at no cost to the operator if any main rotor hub lead lag link assembly, PN 369H1203-51, -53, with a serial number prefix code of 5009-XXXX are found to be unserviceable. MDHI standard warranty policies apply. Please refer to the MDHI Warranty Manual, CSP-A-2.

## **L. Disposition of Parts Removed:**

Contact MDHI Spares Sales Department.  
Telephone: 1-800-388-3378 or 480-346-6540. DATAFAX: 480-346-6821.

## **M. Tooling:**

N/A

## **N. Weight and Balance:**

N/A

## **O. Electrical Load Data:**

N/A

## **P. Other Publications Affected:**

N/A

## **Q. Reference Publications:**

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

CSP-D-1 Rotorcraft Flight Manual

CSP-E-1 Rotorcraft Flight Manual

CSP-FF-1 Rotorcraft Flight Manual

CSP-HE/HS-1 Rotorcraft Flight Manual

CSP-520N-1 Rotorcraft Flight Manual

CSP-600N-1 Rotorcraft Flight Manual

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

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CSP-H-7 Illustrated Parts Catalog (IPC)

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

CSP-IPC-4 Illustrated Parts Catalog

CSP-A-2 Warranty Manual

## 2. ACCOMPLISHMENT INSTRUCTIONS

### A. Examine Main Rotor Lead Lag Link Assemblies, PN 369H1203-51, -53 with a Serial Number Prefix Code of 5009-XXXX for Loose or Moved Bushings

- (1). Get access to the lead lag link assemblies.

**NOTE:** Lead lag link assembly bushings are coated with blue coat. When correctly installed, the blue coat coating should not be visible.

- (2). Examine each installed lead lag link assembly for bushings that moved and are not installed flush with the top and bottom surfaces of the lead lag link assembly (Ref. Figure 1) and have blue coat visible.
- (3). If any lead lag link assembly has bushings that have moved and are not flush with the lead lag link assembly top and bottom surfaces, suspend flight operations. Contact MDHI Field Service Department at MDHI, Mesa, Arizona. Telephone 1-800-388-3378 or 480-346-6387. DATAFAX: 480-346-6813, or your local Field Service Representative.
- (4). If any lead lag link assembly bushings have blue coat visible, suspend flight operations. Contact MDHI Field Service Department at MDHI, Mesa, Arizona. Telephone 1-800-388-3378 or 480-346-6387. DATAFAX: 480-346-6813, or your local Field Service Representative.
- (5). Pilots or maintenance personnel shall perform Step 2.A.(2) as part of the Daily Pre-Flight Check.

### B. Compliance Record

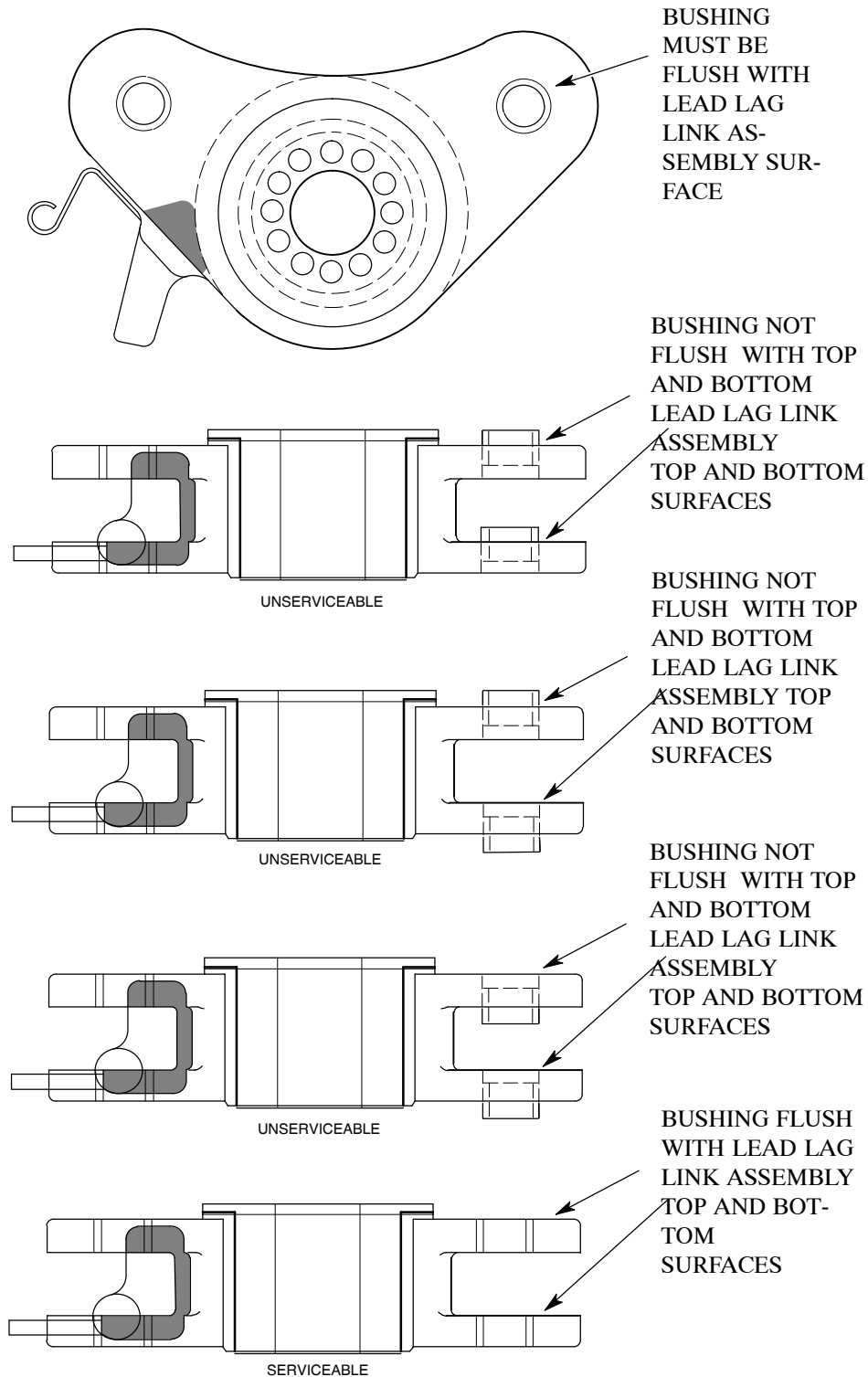
- (1). Record compliance to this Service Bulletin in the Compliance Record section of the Rotorcraft Log Book.
- (2). Complete Bulletin Completed Record form (attached) and FAX or e-mail to MDHI Field Service Department.

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**Figure 1. Examine Main Rotor Hub Lead Lag Link Assembly Bushings**

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SB369E-107R1 SB369F-093R1  
SB500N-047R1 SB600N-057R1

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## Bulletin Completed Record

### MAIN ROTOR HUB LEAD LAG LINK ASSEMBLY INSPECTION AND DAILY PRE-FLIGHT INSPECTION

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:	_____	Serial No of Links to be replaced:	_____
E-mail:	_____	Hub Serial Number:	_____
		Hub TSO:	_____

This bulletin is complete: \_\_\_\_\_  
(Signature)  
\_\_\_\_\_  
(Print Name)  
\_\_\_\_\_  
(Title)

Comments: \_\_\_\_\_  
\_\_\_\_\_

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