



SERVICE BULLETIN

DATE: 13 MARCH 2009
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* Supersedes service bulletins SB369H-248, SB369D-205, SB369E-100, SB369F-085 and SB500N-039, dated 12 MAY 2008. Revised to change aircraft affected Model 369F/FF Helicopters serial numbers to include serial numbers 0600 thru 0602, 0700 thru 0708.

OIL COOLER BELT, ONE TIME INSPECTION

1. PLANNING INFORMATION

A. Aircraft Affected:

Models 369H, 369HE, 369HS, 369HM
Model 369D Helicopters
Model 369E Helicopters, serial numbers 0001 thru 0572
Model 369F/FF Helicopters, serial number 0001 thru 0146, 0600 thru 0602, 0700 thru 0708
Model 500N Helicopters, serial number LN001 thru LN103

Helicopters Models that have 369H5648 and 369D25623 oil cooler belts shipped from MD Helicopters Inc. after 03 March 2008 are not affected by this Service Bulletin.

B. Assembly/Components Affected By This Bulletin:

Assy. No/Part No.	Nomenclature	Source
369D25610	Fan Assy., Transmission and Coupling	MD Helicopters, Inc.
369D25610-503	Fan Assy., Transmission and Coupling	MD Helicopters, Inc.
369D25610-505	Fan Assy., Transmission and Coupling	MD Helicopters, Inc.
369F5610-501	Fan Assy., Transmission and Coupling	MD Helicopters, Inc.
369D25623	Belt	MD Helicopters, Inc.
369H5610-705	Fan Assy., Transmission and Coupling	MD Helicopters, Inc.
369H5648	Belt	MD Helicopters, Inc.

C. Reason:

MD Helicopters, Inc. has found some oil cooler belts which were not manufactured in accordance with specifications. When in operation, these belts may track incorrectly and could result in damage to the belt and surrounding components. Failure to comply with this Bulletin can result in damage to the oil cooler blower assembly, the driven pulley and excessive engine and transmission oil temperatures.

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D. Description:

Procedures in this bulletin provide owners and operators with information pertaining to inspection of the oil cooler belt. Oil cooler belts must be serviceable per this bulletin and CSP-HMI-2 (369D/E/F/500N) or CSP-H-2 (369H Series).

E. FAA Approval:

The technical design aspects of this bulletin are FAA approved.

F. Manpower:

One Time Belt Inspection: 0.5 man-hours.

One Time Belt Replacement: 2.5 man-hours.

G. Time of Compliance

Complete inspection within 50 aircraft hours, the next time the main transmission cover is removed or no later than 15 September 2009; which ever comes first.

H. Interchangeability:

None

I. Material/Part Availability:

Parts/supplies can be obtained procured from MD Helicopters, Inc. Authorized Service Centers.

J. Replacement Parts/Labor Policy:

If the affected oil cooler belt is installed, MD Helicopters, Inc. will provide 0.5 hour for inspection and if the belt needs replacement there will be an additional 2.5 hours for replacement. Total labor credit (spares credit) for an authorized service center is 3.0 hours maximum.

MD Helicopters, Inc. will not provide labor credit (spares credit) until the Bulletin Compliance Recording Form is received by the MD Helicopters, Inc. Field Service Department.

MD Helicopters, Inc. will not provide labor credit (spares credit) for Oil Cooler Belts that are unserviceable because of usual wear.

K. Tooling:

N/A

L. Weight and Balance:

N/A

M. Electrical Load Data:

N/A

N. Other Publications Affected:

CSP-HMI-2 and CSP-H-2

O. Points of Contact

For further assistance, contact your local MD Helicopters, Inc. Field Service Representative or contact the Field Service Department at MD Helicopters, Inc., Mesa, Arizona. Telephone 1-800-388-3378 or (480) 346-6387. DATAFAX: (480) 346-6813.

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2. ACCOMPLISHMENT INSTRUCTIONS

Ref to Figure 1.

A. Inspection of the Oil Cooler Belt

- (1). Gain access to the oil cooler blower assembly Ref CSP-HMI-2, Sec 25-30-00 (369D/E/F/500N) or CSP-H-2, Sec 4 (369H Series).
- (2). Rotate the lower driver pulley with your hand in a clockwise direction (as you look at the main rotor transmission input). Make sure the belt tracks axially away from the blower on the upper driven pulley.
- (3). Rotate the lower driver pulley by hand in a counter-clockwise direction. Make sure the belt tracks axially towards the blower on the upper driven pulley.
- (4). If the oil cooler belt does not track correctly, complete Bulletin Compliance Recording Form and go to step B.
- (5). In addition to checking the belt tracking, inspect the condition of the oil cooler belt and make sure it is otherwise serviceable Ref CSP-HMI-2, Sec 63-21-00 (369D/E/F/500N) or CSP-H-2, Sec 9 (369H Series).
- (6). If the belt is serviceable and tracks correctly, no further maintenance action is required. Complete Bulletin Compliance Recording Form and return to MD Helicopters, Inc.

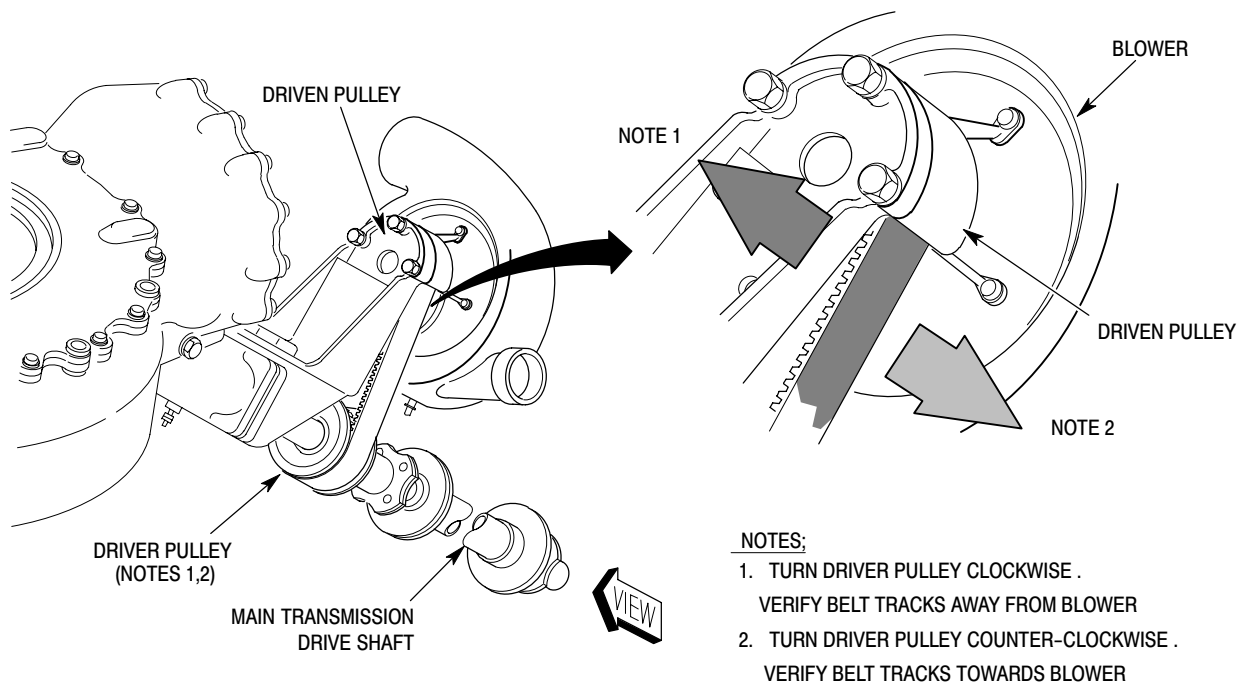


Figure 1. Belt Tracking

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B. Removal and Replacement of Oil Cooler Belt

- (1). Gain access to the oil cooler blower assembly Ref CSP-HMI-2, Sec 25-30-00 (369D/E/F/500N) or CSP-H-2, Sec 4 (369H Series).
- (2). Remove oil cooler belt Ref CSP-HMI-2, Sec 63-21-00 (369D/E/F/500N) or CSP-H-2, Sec 9 (369H Series).
- (3). Install serviceable oil cooler belt Ref CSP-HMI-2, Sec 63-21-00 (369D/E/F/500N) or CSP-H-2, Sec 9 (369H Series).
- (4). Install interior trim Ref CSP-HMI-2, Sec 25-30-00 (369D/E/F/500N) or CSP-H-2, Sec 4 (369H Series).

3. IDENTIFICATION

N/A

4. DISPOSITION OF PARTS REMOVED

Scrap belts locally.

5. COMPLIANCE RECORD

Record Compliance with this Service Bulletin in the Compliance Record section of the Rotorcraft Log Book. Return Bulletin Compliance Recording Form to MD Helicopters, Inc.

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Bulletin Completed Record

**SB369H-248R1, SB369D-205R1, SB369E-100R1, SB369F-085R1,
SB500N-039R1,
One Time Inspection of the Oil Cooler Belt**

FAX this form to MD Helicopters, Inc. (480) 346-6813 or
Email to ServiceEngineering@mdhelicopters.com

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

Attention:

This is to tell you that this service bulletin has been completed as shown below:

Owner/Operator: _____

Aircraft Serial No: _____

Address: _____

Phone: _____

E-mail address: _____

Accomplishment Instructions Completed (Mandatory)

Helicopter Total Time: _____ Date: _____

Location: _____

This bulletin completed by: _____

(Signature)

(Print Name)

(Title)

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