



SB369D-202
SB369F-080
SB600N-037

SB369E-096
SB500N-025

SERVICE BULLETIN

DATE: 14 AUGUST 2002
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MANDATORY

MAIN TRANSMISSION BONDING JUMPER INSPECTION AND REWORK

1. PLANNING INFORMATION:

A. Aircraft Affected:

All Model 369D Helicopters*
Model 369E Helicopters, serial number 0001 thru 0562*
Model 369F/FF Helicopters, serial number 0001 thru 0144*
Model 500N Helicopters, serial number LN001 thru LN097*
Model 600N Helicopters, serial number RN003 thru RN066*.

*Equipped with upgraded main rotor transmission, P/N 369F5100-501, -503, -505. -507.

B. Assembly/Components Affected by this Bulletin:

Upgraded Main Rotor Transmission (P/N 369F5100-501, -503, -505. -507).

C. Reason:

Some helicopters equipped with the upgraded main rotor transmission may not have a bonding jumper installed between the transmission and the helicopter structure.

Failure to comply with this Bulletin may result in an insufficient ground path for Electromagnetic Interference (EMI) and High Intensity Radiated Fields (HIRF) potential, causing radio or other electrical equipment interference.

D. Description:

This Bulletin contains inspection instructions to determine if a jumper is installed between the main rotor transmission and the helicopter structure and rework instructions to install a jumper, if required.

E. FAA Approval:

The design engineering aspects of this Bulletin have been shown to comply with the applicable Federal Aviation Regulations, and are FAA Approved.

F. Manpower:

0.5 man-hour

G. Time of Compliance:

This Bulletin shall be accomplished at the next annual inspection or no later than 03 December 2003, whichever occurs first.

H. Interchangeability:

N/A

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I. Material/Part Availability:

The parts listed below are included in Kit (P/N SBK-006). Contact MDHI Warranty and Repair Dept.

REPLACEMENT PARTS/SUPPLIES			
Nomenclature	Part No.	Qty.	Source
Jumper Assembly	369A7719-19 or MHS5509-06DD	1	MDHI
Screw	NAS604-14P	1	MDHI
Nut	MS35650-3255	1	MDHI
Washer	MS35338-44	1	MDHI
Nut	MS21043-4	1	MDHI
Washer	NAS1149D0416J	3	MDHI

J. Warranty Policy:

MDHI Warranty and Repair Department will provide parts at no cost to the operator.

K. Tooling:

N/A

L. Weight and Balance:

N/A

M. Other Publications Affected:

Handbook of Maintenance Instructions (CSP-HMI-2).
 Illustrated Parts Catalog (CSP-IPC-4).

N. Points of Contact:

For further assistance, contact your local MDHI Field Service Representative (refer to the latest revision of the "At Your Service" handbook for address and telephone numbers) or contact the Field Service Department at MDHI, Mesa, Arizona. Telephone 1-800-388-3378 or (480) 346-6387. DATAFAX: (480) 346-6813.

2. ACCOMPLISHMENT INSTRUCTIONS:

(Ref. Figure 1)

A. Inspection Procedure

- (1). Inspect for a jumper connected between the tach generator/cover and Station 124.00 canted frame.
- (2). If jumper is present, no further action is required.

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(3). If no jumper is present, perform Rework Instructions below.

B. Rework Instructions

- (1). Remove and retain lower outboard nut and washer from tach generator/cover mounting stud.
- (2). Prepare surface of tach generator/cover mounting flange and existing hole in Station 124.00 canted frame for electrical bond (Ref CSP-HMI-3, Section 96-00-00, Maintenance of Electrical Bonding Connections).
- (3). Install one end of jumper on tach generator/cover mounting stud and secure with retained nut and washer.
- (4). Attach other end of jumper to Station 124 canted frame with screw, washers and nuts.
- (5). Seal both jumper connections (Ref CSP-HMI-3, Section 96-00-00, Maintenance of Electrical Bonding Connections).

3. IDENTIFICATION:

N/A

4. DISPOSITION OF PARTS REMOVED:

N/A

5. COMPLIANCE RECORD

Record compliance to this Service Bulletin in the Compliance Record section of the helicopter Log Book.

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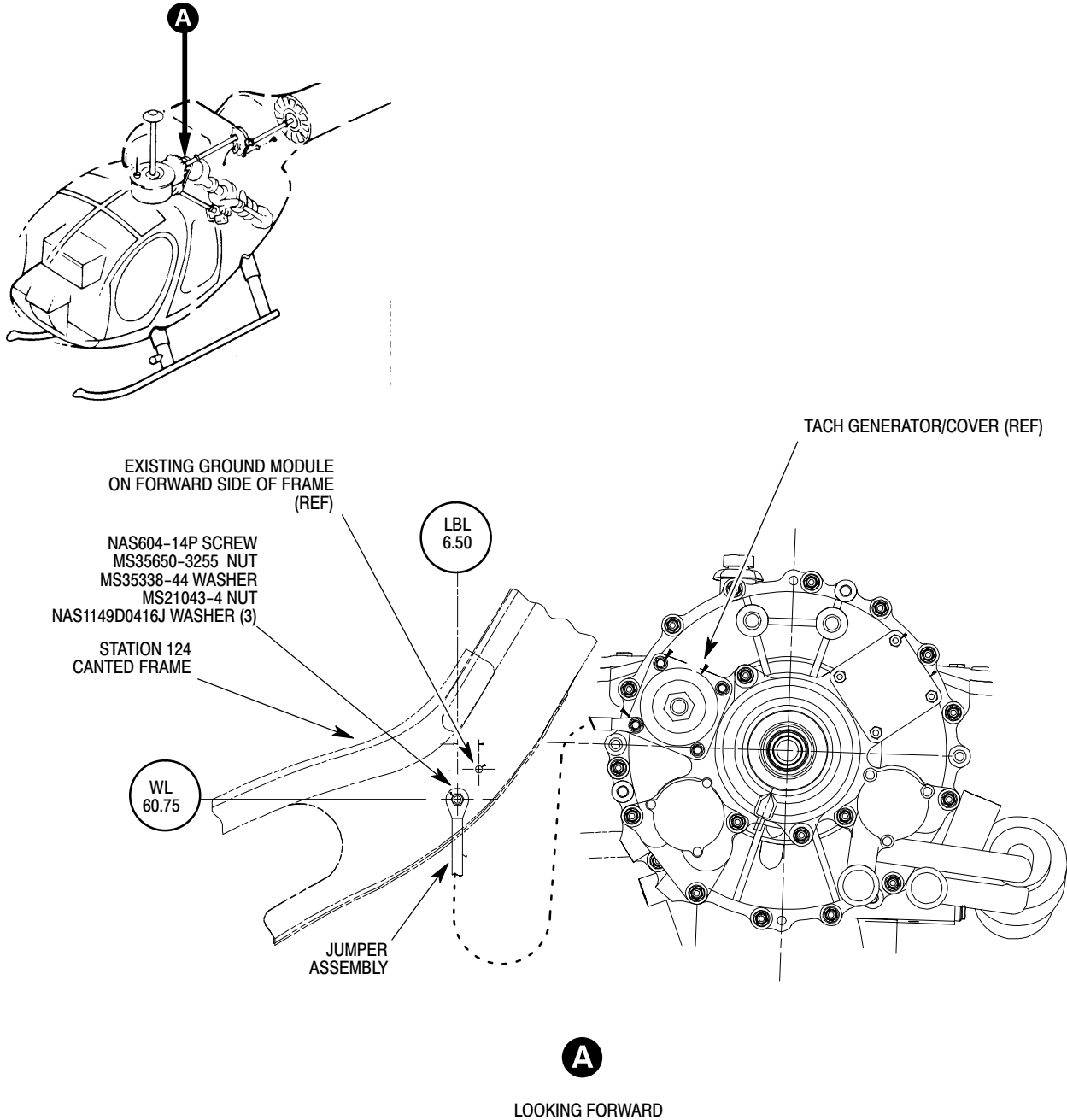


Figure 1. Jumper Installation

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