



SERVICE BULLETIN

DATE: 19 DECEMBER 2003
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CONTROL SUPPORT BRACKET ASSEMBLY LIFE REDUCTION WITH YSAS INSTALLED

1. PLANNING INFORMATION

A. Aircraft Affected:

Model 600N Helicopters, serial number RN025, RN029, RN032, RN034, RN035, RN036, RN037, RN038, RN040, RN041, RN045, RN048, and RN067.

B. Assembly/Components Affected By This Bulletin:

Fuselage Sta. 75 Control Support Bracket Assembly (P/N 369N2608-11).

C. Reason:

To notify 600N operators that the finite life for the fuselage Sta. 75 control support bracket assembly (aluminum) installed in helicopters equipped with the Yaw Stability Augmentation System (YSAS) is reduced from 6000 hours to the revised finite life listed in Time of Compliance (paragraph G.). The new finite life is based on the helicopter/component time in service at the time the YSAS was installed.

Failure to comply with this Bulletin may result in the affected part remaining in service beyond its life-limit. This condition could lead to component failure and result in loss of control of the helicopter.

D. Description:

Procedures in this Bulletin provide affected owners and operators with information pertaining to the life reduction and replacement of the fuselage Sta. 75 control support bracket assembly.

E. FAA Approval:

The technical design aspects of this Bulletin are FAA Approved.

F. Manpower:

- Part 1.** Update Rotorcraft Logbook: 0.5 man-hour.
- Part 2.** Replace control support bracket: 30-40 man-hours.

G. Time of Compliance

Perform the requirements of this Bulletin according to the indicated schedule:

Part 1:

- Update Rotorcraft Logbook - Perform within 90 days of the issue date of this Bulletin.

Part 2:

- Replace control support bracket - Perform before the fuselage Sta. 75 control support bracket assembly reaches the revised finite life (listed below) or no later than 30 November 2005, whichever occurs first.

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Helicopter Serial No.	Revised Finite Life (Hours)	Helicopter Serial No.	Revised Finite Life (Hours)
RN025	2556	RN038	2531
RN029	2377	RN040	2562
RN032	2498	RN041	2763
RN034	2456	RN045	2015
RN035	2243	RN048	2125
RN036	2652	RN067	1600
RN037	2544		

H. Interchangeability:

None

I. Material/Part Availability:

Contact MDHI Parts Sales Dept.

REPLACEMENT PARTS/SUPPLIES			
Nomenclature	Part No.	Qty.	Source
Sta. 75 Control Support Bracket Assembly	600N2608-1	1	MDHI

J. Warranty Policy:

N/A

K. Tooling:

N/A

L. Weight and Balance:

MODIFICATION	WEIGHT Pounds (kg)	LONGITUDINAL ARM Inches (cm)	LATERAL ARM Inches (cm)
Remove Sta. 75 Control Support Bracket Assembly, P/N 369N2608-11 (aluminum) and install P/N 600N2608-1 (steel).	3.1 (1.4)	75.0 (190.5)	0 (0)

M. Electrical Load Data:

N/A

N. Other Publications Affected:

Handbook of Maintenance Instructions (CSP-HMI-2), Revision 34, TR 03-003 or later.

O. Points of Contact

For further assistance, contact your local MDHI Field Service Representative or contact the Field Service Department at MDHI, Mesa, Arizona.

Telephone 1-800-388-3378 or (480) 346-6387.

DATAFAX: (480) 346-6813.



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2. ACCOMPLISHMENT INSTRUCTIONS

A. Part 1: Update Rotorcraft Log Book

NOTE: For current life limits, refer to CSP-HMI-2, Section 04-00-00, Airworthiness Limitations Component Mandatory Replacement Schedule.

- (1). Update Component Historical Record for Fuselage Sta. 75 Control Support Bracket Assembly (P/N 369N2608-11), based on revised finite life.
- (2). Update Installed Component Collector Record for Fuselage Sta. 75 Control Support Bracket Assembly (P/N 369N2608-11), based on revised finite life.

B. Part 2: Replace Sta 75 Control Support Bracket Assembly

- (1). Before fuselage Sta. 75 control support bracket assembly (P/N 369N2608-11) component time reaches the revised finite life, remove it and and replace with fuselage Sta. 75 control support bracket assembly (P/N 600N2608-1). (Ref. CSP-HMI-2, Section 67-10-00, Control Support Bracket and Bellcrank Removal/Installation.)

3. IDENTIFICATION

N/A

4. DISPOSITION OF PARTS REMOVED

Scrap (mutilate/destroy to prevent inadvertent return to service).

5. COMPLIANCE RECORD

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

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