



HN-225.1*
DN-170.1**
EN-61.1*
FN-49.1*

SERVICE BULLETIN

DATE: 15 MAY 1991
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* Supersedes Service Information Notices HN-225, DN-1 70, EN-61 and FN-49, dated 25 July 1990.

SUBJECT: ONE-TIME TORQUE CHECK AND INSPECTION OF MAIN ROTOR BLADES

SUMMARY: MD Helicopters, Inc. (MDHI) has determined that the torque on some main rotor blade root fitting bolts do not meet MDHI manufacturing specifications. These bolts provide an additional degree of safety due to the clamping load of the bolts providing additional friction in the bolted joint. The reason for reissuing this notice is that some of the part numbers were added or revised and the time of compliance had a minor change.

PURPOSE: It is the purpose of this Service Information Notice to verify/check the torque of the main rotor blade root fitting bolts and to inspect the root fitting bond lines for integrity.

MODELS AFFECTED: All MDHC 369 Series helicopters with any of the following main rotor blades installed:

- 369A1100-505 and -601
- 369D21100-513 and -515
- 369D21102(BSC) and -501

NOTE

Helicopters that have previously accomplished the inspection requirements of this Notice are not affected.

TIME OF COMPLIANCE: The requirements of this Notice shall be accomplished within the next 100 hours of helicopter operation, the next time the main rotor blades are removed or no later than June 30, 1991, whichever occurs first.

ASSEMBLY/COMPONENTS TO BE INSPECTED AND CORRECTED: 369A1100-505, 369A1100-601, 369D21100-513, 369D21100-515, 369D21102(BSC) and 369D21102-501.

REFERENCE PUBLICATIONS: (Use the manuals listed below or any later revisions.)
369H Basic HMI (CSP-H-2) Revised 15 June 1990
369D/E/F/FF HMI (CSP-HMI-2) Issued 31 October 1990

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AIRCRAFT INSPECTION AND CORRECTION PROCEDURES:

a. Visually examine the root fitting bond lines for integrity. All M/R blades that exhibit bond line separation shall be removed from service.

NOTE

Contact a MDHI Field Service Representative for disposition of any M/R blade that appears to have separation in the area of the root fitting bond lines.

b. If no separation is observed, apply a torque of 60-65 inch pounds to each root fitting attach bolt on all main rotor blades.

NOTE

The 60-65 inch pound torque requirement includes a nominal value to account for run-on torque.

c. Apply a white dot to the underneath side of acceptable main rotor blades in the area of the root fitting bolts/nuts.

WEIGHT AND BALANCE: N/A

RECORDING AND COMPLIANCE: Record compliance to this Service Information Notice in the Compliance Record section of the helicopter Log Book.

POINTS OF CONTACT:

For further information contact your local MDHI Field Service Representative (refer to the latest revision of the Marketing and Product Support handbook for address and telephone numbers) or contact the Field Service Department at MDHI, Mesa, Arizona. Telephone: 1-800-445-1516 or (602) 891-6342.

The inspection procedures in this Notice have been shown to comply with Federal Aviation Regulations and is FAA Approved.

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