



HL-125  
DL-101  
EL-52  
FL-46

# SERVICE LETTER

DATE: 27 JANUARY 1993  
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TO: ALL OWNERS AND OPERATORS OF MCDONNELL DOUGLAS HELICOPTER COMPANY (MDHC) 369 SERIES HELICOPTERS.

## MAIN ROTOR BLADE INSPECTION PROGRAM

The purpose of this Service Information Letter is to assure that all reissues of currently applicable Service Information Notices and all cancellations of existing Service Information Letters required to implement this change are clearly explained and justified.

MDHC is implementing a revised main rotor blade root fitting inspection procedure which will enhance the capability of operators to detect cracked main rotor blade root fittings by visual inspection. This revised procedure allows elimination of the mandatory requirement to inspect 369D21100-515 and 369D21102-501 main rotor blades every 25 hours in accordance with PART I of DN-183.1, EN-75.1 and FN-62.1.

The service information package that accompanies this Service Information Letter includes the following:

1. Service Information Notice, DN-183.2, EN-75.2 and FN-62.2 which supersedes DN-183.1, EN-75.1 and FN-62.1. This revision cancels the requirement of PART I to remove affected main rotor blades every 25 hours and inspect the main rotor blade root fittings. The revised Notice still requires that the affected main rotor blades be removed and returned to MDHC for rework to a new configuration in accordance with PART II.
2. Service Information Notice, HN-211.4, DN-51.6, EN-42.4 and FN-31.4 which supercedes HN-211.3, DN-51.5, EN-42.3 and FN-31.3. This revision requires a one-time removal inspection of the affected main rotor blades within the next 25 hours to inspect the root fittings and add a slippage mark to the root fittings to enhance the visual inspection procedure. The requirement to inspect the root fittings and lead-lag links on the aircraft every 25 hours and to remove the blades to inspect the root fittings and lead-lag links every 100 hours remains in affect after installation of the paint stripe.
3. Service Information Letter Cancellation Notification: SIL's HL-114.1, DL-89.1, EL-40.1 and FL-33.1 are canceled.

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Issuance of Service Information Notices, DN-183.2, EN-75.2 and FN-62.2 to eliminate the 25 hour removal inspection requirement is justified by the enhanced inspection procedure incorporated by compliance with Service Information Notices HN-211.4, DN-51.6, EN-75.4 and FN-31.4.

The revised inspection also reminds operators of actions that must be taken if they experience a sudden onset or increased level of main rotor vibration. Historically, there has been an immediate onset of main rotor vibration after a single root fitting lug failure.

A handwritten signature in black ink, appearing to read 'John Reagan', with a horizontal line extending to the right.

John Reagan, Dept. Manager,  
Commercial Customer Support  
McDonnell Douglas  
Helicopter Company