



HN-233
DN-180
EN-72
FN-59

SERVICE BULLETIN

DATE: 17 JANUARY 1992

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MANDATORY

INSPECTION OF OVERRUNNING CLUTCH OUTER RACE

SUMMARY: At a 300-hour inspection, an operator detected cracks in the root of eight splines on the 369A5352 overrunning clutch outer race. The part had a total of 2219 hours in service. MDHI is requiring all operators to inspect all overrunning clutch outer races that were processed in the same lot as that of the cracked part.

PURPOSE: To ensure that all of the below listed serial number overrunning clutch outer races (369A5352) are inspected for cracks.

MODELS AFFECTED: All MDHI 369 Series helicopters, including the 369A (OH-6A), equipped with overrunning clutch assemblies that have any serial number 2840 through 2976 outer races installed.

TIME OF COMPLIANCE: Affected helicopters shall accomplish the requirements of this notice within the next 300 hours of helicopter operation or the next time the overrunning clutch is disassembled, whichever occurs first. Helicopters equipped with cargo hooks must accomplish repetitive inspections at intervals not to exceed 300 hours of helicopter operation. All affected overrunning clutch outer races are to be retired at next overhaul.

ASSEMBLY/COMPONENTS AFFECTED BY THIS NOTICE: 369A5352 overrunning clutch assembly outer race: serial numbers 2840 through 2976.

REFERENCE PUBLICATIONS:

- 369H Basic HMI (CSP-H-2) Revised 15 June 1990
- 369D/E/F/FF HMI (CSP-HMI-2) Revised 09 September 1991
- 369H COM (CSP-H-5) Revised 01 April 1990
- 369D/E/F/FF COM (CSP-COM-5) Issued 17 August 1991

AIRCRAFT INSPECTION AND/OR REWORK PROCEDURE:

- a. Remove overrunning clutch assembly per applicable HMI.
- b. Disassemble overrunning clutch assembly per the applicable COM.

NOTE

Serial number of outer race is vibroscribed on outer diameter surface near the part number.

- c. Magnetic particle inspect 369A5352 outer race serial numbers 2840 through 2976 per MIL-STD-1949. Check for cracks in the root of the splines.
- d. If cracking is detected, replace outer race.
- e. Assemble overrunning clutch assembly with servicable components per the applicable COM.
- f. Install overrunning clutch assembly per the applicable HMI.

RECORDING AND COMPLIANCE:

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

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WEIGHT AND BALANCE: N/A.

POINTS OF CONTACT:

For further information, contact your local MDHI Field Service Representative (refer to the latest revision of the 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 resultant inspection to affected models as described by the procedures in this Notice has been shown to comply with Federal Aviation Regulations and is FAA Approved.

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