



SERVICE BULLETIN

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MANDATORY

* Supersedes Service Bulletin SB900-062, dated 13 January 1998. Revision 1 corrected life limit typing error and clarifies the main rotor drive shaft part number.

MAIN ROTOR DRIVE SHAFT ASSEMBLY LIFE LIMITATION

1. PLANNING INFORMATION

A. Aircraft Affected:

MD-900 Series Helicopters equipped with 900D2436528-101 or 900D6400004-101 main rotor drive shafts.

B. Assembly/Components Affected By This Notice:

Drive Shaft Assembly - Main Rotor (P/N 900D2436528-101 and 900D6400004-101).

C. Reason:

To inform operators that the main rotor drive shaft has become a life-limited part. Failure to comply with the requirements of this Bulletin may result in parts remaining in service beyond their life-limit. This condition may result in total loss of drive to the main rotor hub.

D. Description:

Procedures in this Bulletin provide owners and operators with information pertaining to the removal of main rotor drive shafts from service when the life-limit of that part has expired.

E. Time of Compliance

The requirements of this Bulletin shall be accomplished prior to the main rotor drive shaft reaching its life-limit.

WARNING Refer to latest revision of Airworthiness Limitations section of the MD-900 Rotorcraft Maintenance Manual for life-limited parts list and their retirement lives.

F. FAA Approval:

The technical design aspects of this Bulletin are FAA Approved.

G. Manpower:

Two (2) man-hours.

H. Interchangeability:

The 900D2436530-101 main rotor drive shaft (no life limit) is two-way interchangeable with both the 900D2436528-101 and 900D6400004-101 main rotor drive shafts.

I. Material/Part Availability:

Contact MDHI Warranty and Repair Department.

REPLACEMENT PARTS/SUPPLIES			
Nomenclature	Part No.	Qty.	Source
Drive Shaft Assembly, Main Rotor	900D2436528-101	1	MDHI
Drive Shaft Assembly, Main Rotor	900D2436530-101	1	MDHI

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J. Warranty Policy:

A spares credit to cover labor to perform this Bulletin will be provided by MDHI.

K. Tooling:

N/A

L. Weight and Balance:

N/A

M. Electrical Load Data:

N/A

N. Other Publications Affected:

Rotorcraft Maintenance Manual (CSP-900RMM-2, Section 04-00-00)

2. ACCOMPLISHMENT INSTRUCTIONS

NOTE:

- Do not confuse the part number of the 900D2436028-101 or 900D2436026-101 shaft subassembly as that of the main rotor drive shaft assembly. The drive shaft subassemblies for the main rotor drive shaft assembly 900D2436528-101 are the 900D2436028-101 shaft and 900D2436012-101 plug. The drive shaft subassemblies for the main rotor drive shaft assembly 900D6400004-101 are the 900D2436026-101 shaft and 900D2436012-101 plug.
 - The serial number of the 900D2436028-101 or 900D2436026-101 shaft subassembly is identical to that of the main rotor drive shaft assembly.
- (1). Verify which main rotor drive shaft is installed on the aircraft. If necessary, remove the drive plate cover to access the part and serial number (Ref. CSP-900RMM-2).
 - (2). The main rotor drive shaft part and serial number are identified on the top edge of the main rotor drive shaft next to the engraved 900D2436028-101 or 900D2436026-101 subassembly part and serial number. If the drive shaft part and serial number are not marked on the drive shaft:
 - (a). Place the marking on the top edge of the shaft, inline with the engraved subassembly number. Use an indelible ink fine tip marking pen.
 - (b). When dry, apply a clear coat over the part and serial number.
 - (3). Verify the life limit of the main rotor drive shaft with the airworthiness limitations schedule (Ref. CSP-900RMM-2, section 04-00-00).
 - (4). If the main rotor drive shaft has reached the life limit, remove and replace main rotor drive shaft per instructions contained in the Rotorcraft Maintenance Manual (CSP-900RMM-2).
 - (5). Record compliance to this Service Bulletin in the Compliance Record section of the helicopter Log Book. Ensure an item Component Record card for the serialized Main Rotor Drive Shaft.

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3. DISPOSITION OF PARTS REMOVED

Scrap.

4. 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) 891-6342. DATAFAX: (480) 891-6782.

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MAIN ROTOR DRIVE SHAFT LIFE LIMIT

Parts Request Form: Please fill in the following information and return to MDHI for parts/supplies required for compliance. This form may be faxed to MDHI Warranty and Repair Department at (480) 891-3952.

Aircraft Ser. No.:

Aircraft Total Time:

Date:

Parts Required:

Part Ser. No. (if required):

Ship to:

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