



SERVICE BULLETIN

DATE: 16 FEB 2007

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LATERAL MIXER OUTPUT LINK ASSEMBLY, ONE TIME INSPECTION

1. PLANNING INFORMATION

A. Aircraft Affected:

All Model 600N Helicopters.

B. Assembly/Components Affected By This Bulletin:

Lateral Mixer Output Link Assembly (P/N 600N7636-1, -3).

C. Reason:

Visual inspection of the lateral mixer output link assembly has shown that cracks may be present radiating from the bearing bores on the link ends. Failure to comply with this bulletin may result in loss of main rotor controllability.

D. Description:

Procedures in this Bulletin provide owners and operators with information pertaining to inspection of the lateral mixer output link assembly.

E. FAA Approval:

The technical design aspects of this Bulletin are FAA Approved.

F. Manpower:

Part 1: 3.0 man-hours.

Part 2: 5.0 man-hours.

G. Time of Compliance

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

Part 1: Lateral mixer output link assembly removal, visual inspection and installation of link assembly before next flight.

Part 2: Lateral mixer output link assembly, removal, eddy current inspection and installation of link assembly. A one time ferry flight not to exceed 100KTS to an appropriate maintenance facility to perform the eddy current inspection is authorized.

H. Interchangeability:

None

I. Material/Part Availability:

Contact MDHI Parts Sales for replacement parts.

J. Warranty Policy:

Contact MDHI Warranty and Repair Department.

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K. Tooling:

N/A

L. Weight and Balance:

N/A

M. Electrical Load Data:

N/A

N. Other Publications Affected:

Handbook of Maintenance Instructions (CSP-HMI-2).

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.

2. ACCOMPLISHMENT INSTRUCTIONS

A. Part 1: Lateral mixer output link assembly visual inspection

- (1). Remove lateral mixer output link assembly.

NOTE: In the following step, cleaning of the link assembly may be necessary to complete inspection.

- (2). Using a bright light and a 10x magnifier, inspect link end shaded areas on both sides of the link assembly around bearing bore for indication of cracking. Replace and link assemblies suspected of cracks.
- (3). Reinstall lateral mixer link assembly.

B. Part 2: Lateral mixer output link assembly eddy current inspection

(Ref. Figure 1)

- (1). Remove lateral mixer output link assembly (Ref CSP-HMI-2, Section 62-30-60).

NOTE:

- In the following step, cleaning of the link assembly may be necessary to complete inspection.
 - Eddy current is to be performed by a Level II technician certified by either ASNT-TC-1A or MIL-STD-410 in eddy current and active in eddy current inspection within the last 12 months.
- (2). Perform eddy current inspection of the shaded areas on both sides of the link assembly.
 - (3). Install lateral mixer output link assembly (Ref. CSP-HMI-2, Sec. 62-30-60).

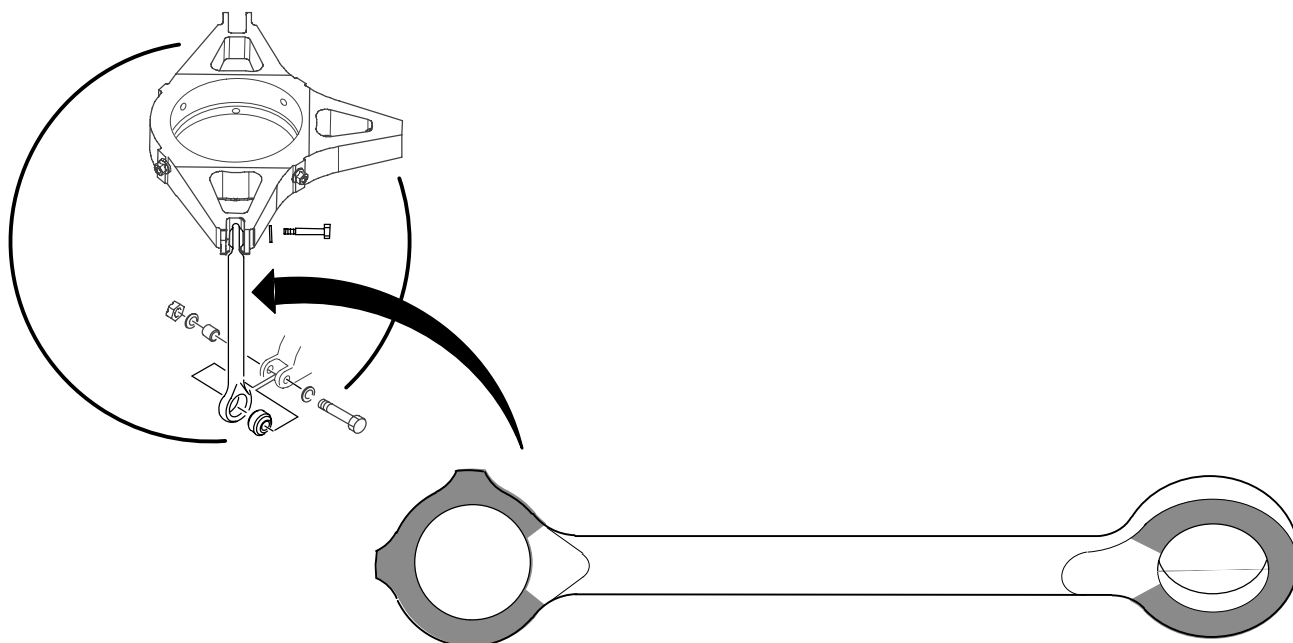
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BEARINGS HAVE BEEN REMOVED FOR CLARITY.

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Figure 1. Attach Point Access**3. IDENTIFICATION**

N/A

4. DISPOSITION OF PARTS REMOVED

Return to MDHI.

5. COMPLIANCE RECORD

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

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