

Airbus Helicopters
 DIRECTION TECHNIQUE SUPPORT
 13725 MARGNANE CEDEX FRANCE

CIVIL VERSION(S): B, BA, BB, B1, B2, B3, D
 MILITARY VERSION(S): L1

SERVICE BULLETIN

No. 05.00.59

<p>SUBJECT: FUSELAGE</p> <p>Visual Check for Cracks in the Lower Control Beams of the Control Bellcrank Support</p> <p>ATA: 53</p>
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REVISION	DATE OF APPROVAL	DATE OF ISSUE
Revision 1 Revision 2	On: July 06, 2009 On: October 20, 2014 On: June 05, 2024	2009.07.06 2014.10.23 2024.06.05

This Service Bulletin is no longer applicable following the integration of its contents in the documentation

Export Control:

US Export Control - No US content. This Item does not contain any U.S. origin ITAR or EAR content.
 FR Export Control - Not Listed. This Item is not listed against the EC regulations in the EU/FR

1. PLANNING INFORMATION

1.A. EFFECTIVITY

1.A.1. Helicopters/Installed equipment

Helicopters equipped with the lower crossbeams of the yaw control bellcrank support PRE MOD 073466.

NOTE

The purpose of modification 073466 is to reinforce the lower crossbeams of the yaw control bellcrank support.

1.A.2. Non-installed equipment

Not applicable.

1.B. ASSOCIATED REQUIREMENTS

Not applicable.

1.C. REASON

Not applicable.

1.D. DESCRIPTION

Revision 0

EUROCOPTER has been informed that cracks were found on these crossbeams during a basic inspection of an AS350 B2 helicopter.

The yaw control bellcrank is supported by lower and upper crossbeams. Each end of the crossbeams is attached to the bottom structure.

Investigations conducted by EUROCOPTER showed that the crossbeams are subjected to higher loads in the event of a hydraulic pressure loss (actual or simulated failure of the hydraulic system). In such a situation, the pilot must exert more force on the yaw control pedals to control the tail rotor. Therefore, an increased load is transmitted from the yaw control bellcrank support to the attachment crossbeams, which may be affected by a fatigue crack and even fail when the crack remains undetected.

Consequently, EUROCOPTER recommended compliance with this Service Bulletin, which requires that the lower crossbeams (on LH and RH sides) be visually inspected for cracks and replaced if any cracks are found.

Revision 1

The purpose of Revision 1 of this Service Bulletin is to cancel compliance with this Service Bulletin for helicopters which embody modification 073466 (Reinforcement of the FDC - yaw control bellcrank support crossbeams at X655 and X970).

Revision 2

Revision 2 of this Service Bulletin informs that this Service Bulletin is no longer applicable following the integration of its contents in the documentation, Maintenance Manual (MET), Aircraft Maintenance Manual (AMM) and Master Servicing Manual (MSM).

1.E. COMPLIANCE

Not applicable.

1.F. APPROVAL

The technical content of this document is approved under the authority of the Design Organization Approval ref. EASA. 21J.700.

The technical content of this document is approved by Airbus Helicopters Airworthiness Department for export military versions.

The technical content of this document is approved under the prerogatives of the recognition of design capability ref. EMAR21J-015-DGA for French Government helicopters.

1.G. MANPOWER

Not applicable.

1.H. WEIGHT AND BALANCE

Not applicable.

1.I. EFFECT ON ELECTRICAL LOADS

Not applicable.

1.J. SOFTWARE MODIFICATION EMBODIMENT RECORD

Not applicable.

1.K. REFERENCES

Not applicable.

1.L. OTHER DOCUMENTS AFFECTED

Not applicable.

1.M. TOOLING AFFECTED

Not applicable.

1.N. INTERCHANGEABILITY OR MIXABILITY OF PARTS

Not applicable.

2. ACCOMPLISHMENT INSTRUCTIONS

2.A. GENERAL

Not applicable.

2.B. OPERATIONAL PROCEDURE

Not applicable.

2.C. IDENTIFICATION

Not applicable.

2.D. OPERATING AND MAINTENANCE INSTRUCTIONS

Not applicable.

3. MATERIAL INFORMATION

3.A. MATERIAL: PRICE - AVAILABILITY

Not applicable.

3.B. INFORMATION CONCERNING INDUSTRIAL SUPPORT

Not applicable.

3.C. MATERIAL REQUIRED FOR EACH HELICOPTER/ENGINE/COMPONENT

Not applicable.

3.D. PROCUREMENT CONDITIONS

Not applicable.

3.E. PROCEDURE: MATERIAL RETURN

Not applicable.

4. APPENDIX

Not applicable.