





EMERGENCY ALERT SERVICE BULLETIN

SUBJECT: TIME LIMITS - MAINTENANCE CHECKS

Check of the Tail Rotor laminated half bearings
ATA: 05, 64

For the attention of	
	

AIRCRAFT CONCERNED	NUMBER	Version	
		Civil	Military
AS350	05.00.71	B, BA, BB, D, B, B2, B3	L1
AS355	05.00.63	E, F, F1, F2, F3	
AS550	05.00.46		A2, C2, C3, U2
AS555	05.00.42		AF, AN, SN, UF, UN

Revision No	Date of issue
Revision 1	2012-09-19
Revision 2	2012-11-26
Revision 3	2012-12-19
Revision 4	2024-07-22

Summary:

The purpose of this ALERT SERVICE BULLETIN is to make the periodic check of the laminated half bearings mandatory.

Reason for last Revision:

Revision 4 of this ALERT SERVICE BULLETIN informs that this ALERT SERVICE BULLETIN is no longer applicable following the integration of its contents in the documentation:

- for B2, B3 and C3 versions:
 - . Airworthiness Limitations Section (ALS)
 - . Aircraft Maintenance Manual (AMM)
 - . Master Servicing Manual (MSM).
- for other versions:
 - . Airworthiness Limitations Section (ALS)
 - . Maintenance Manual (MET)
 - . Master Servicing Manual (MSM).

Compliance:

Not applicable.

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

Revision 0 2012-09-19
Revision 3 2024-07-22

This ALERT SERVICE BULLETIN is no longer applicable following the integration of its contents in the documentation

1. PLANNING INFORMATION

1.A. EFFECTIVITY

1.A.1. Helicopters/installed equipment

On helicopters equipped with a tail rotor PRE MOD 075601 on which laminated half bearings (all part numbers) are installed.

NOTE

The laminated half bearings installed on helicopters equipped with a tail rotor POST MOD 075601 are subject to compliance with ALERT SERVICE BULLETINS No. 01.00.65 (AS350 version B3 "e") and No. 01.00.24 (AS550 version C3 "e").

1.A.2. Non-installed equipment

Not applicable.

1.B. ASSOCIATED REQUIREMENTS

Not applicable.

1.C. REASON

Revision 0:

Premature cracks in laminated half bearings equipping Tail Rotor blades have recently been detected on several AS350 B3 helicopters POST MOD 075601.

Because the laminated half bearing deteriorates progressively, EUROCOPTER has issued Safety Information Notice No. 2482-S-64 to remind all operators of the particular attention that must be given during the visual check of the elastomeric part of the laminated half bearings during the ALF check.

Deterioration of this part can generate in-flight vibrations, felt mainly in the pedals, requiring the pilot to land as soon as possible.

In order to prevent the occurrence of in-flight vibrations, EUROCOPTER issues this Service Bulletin to enhance the laminated half bearing inspection procedure so as to detect any deterioration of the bearings as early as possible.

EUROCOPTER is conducting all the necessary investigations with operators and the supplier of the laminated half bearings in order to identify the cause of the phenomenon.

Revision 1:

Following further analyses, EUROCOPTER confirmed that the reason for the behavior of the laminated half bearings proving at times to be faulty was related to the embodiment of modification 075601. For this reason, EUROCOPTER issued ALERT SERVICE BULLETINS No. 01.00.65 (AS350 version B3 "e") and No. 01.00.24 (AS550 version C3 "e") concerning the maintenance to be applied to helicopters equipped with a Tail Rotor POST MOD 075601.

Furthermore, the analyses conducted following the event described in Safety Information Notice No. 2507-S-64 lead EUROCOPTER to reconsider the function of the laminated half bearings. Consequently, EUROCOPTER makes the periodic check of the laminated half bearings mandatory. This decision is formalized by converting Service Bulletins No. 05.00.71 (AS350), No. 05.00.63 (AS355), No. 05.00.46 (AS550) and No. 05.00.42 (AS555) into ALERT SERVICE BULLETINS. Moreover, Revision 1 of this ALERT SERVICE BULLETIN specifies the criteria for replacement of the laminated half bearings for helicopters equipped with a tail rotor PRE MOD 075601.

Revision 1 of this ALERT SERVICE BULLETIN affects compliance with Revision 0.

Revision 2:

The purpose of Revision 2 is:

- to extend the applicability to all laminated half bearing part numbers.
- to specify permissible criteria for laminated half bearings in the table of paragraph 3.B.2.

Revision 3:

Revision 3 of this ALERT SERVICE BULLETIN informs that this ALERT SERVICE BULLETIN is no longer applicable following the integration of its contents in the documentation:

- for B2, B3 and C3 versions:
 - . Airworthiness Limitations Section (ALS)
 - . Aircraft Maintenance Manual (AMM)
 - . Master Servicing Manual (MSM).
- for other versions:
 - . Airworthiness Limitations Section (ALS)
 - . Maintenance Manual (MET)
 - . Master Servicing Manual (MSM).

1.D. DESCRIPTION

Not applicable.

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 under the prerogatives of the recognition of design capability ref. EMAR21J-015-DGA for French Government helicopters.

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

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. DOCUMENTS AFFECTED

Not applicable.

1.M. INTERCHANGEABILITY OR MIXABILITY OF PARTS

Not applicable.

2. MATERIAL INFORMATION**2.A. MATERIAL: PRICE - AVAILABILITY - PROCUREMENT**

Not applicable.

2.B. INFORMATION CONCERNING INDUSTRIAL SUPPORT

Not applicable.

2.C. MATERIAL REQUIRED FOR EACH HELICOPTER/COMPONENT

Not applicable.

2.D. MATERIAL TO BE RETURNED

Not applicable.

3. ACCOMPLISHMENT INSTRUCTIONS**3.A. GENERAL**

Not applicable.

3.B. OPERATIONAL PROCEDURE

Not applicable.

3.C. IDENTIFICATION

Not applicable.

3.D. OPERATING AND MAINTENANCE INSTRUCTIONS

Not applicable.