

EMERGENCY ALERT SERVICE BULLETIN

TITLE: Tail rotor drive - Limitations on the center shaft assembly

SB Type: Protective measure

APPLICABILITY

Model:	EC130
Version:	B4, T2

Components affected

Designation	MP/N	P/N
Center shaft assembly	350A34-0214-01	350A34021401

COMPLIANCE: MANDATORY

Comply with this EASB according to the table that follows:

Limitations on the center shaft assembly		
Aircraft version	Condition	Once only instructions
EC130 B4	If the TSN of the center shaft assembly is 9750 FH or more when you receive issue 001 of this EASB	Comply with the ACCOMPLISHMENT INSTRUCTIONS paragraph 11.1. of this EASB within 10 FH after you received issue 001 of this EASB without you exceed the current SLL displayed in the ALS

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.

Limitations on the center shaft assembly		
EC130 B4	If the TSN of the center shaft assembly is 6050 FH or more and less than 9750 FH when you receive issue 001 of this EASB	Comply with the ACCOMPLISHMENT INSTRUCTIONS paragraph 11.1. or 11.2. of this EASB within 50 FH after you received issue 001 of this EASB
	If the TSN of the central shaft assembly is less than 6050 FH when you receive issue 001 of this EASB	Comply with the ACCOMPLISHMENT INSTRUCTIONS paragraph 11.1. or 11.2. of this EASB at the latest when the center shaft assembly reaches 6100 FH
EC130 T2	If the TSN of the center shaft assembly is 8050 FH or more when you receive issue 001 of this EASB	Comply with the ACCOMPLISHMENT INSTRUCTIONS paragraph 11.1. of this EASB within 10 FH after you received issue 001 of this EASB without you exceed the current SLL displayed in the ALS
	If the TSN of the center shaft assembly is 5550 FH or more and less than 8050 FH when you receive issue 001 of this EASB	Comply with the ACCOMPLISHMENT INSTRUCTIONS paragraph 11.1. or 11.2. of this EASB within 50 FH after you received issue 001 of this EASB
	If the TSN of the center shaft assembly is less than 5550 FH when you receive issue 001 of this EASB	Comply with the ACCOMPLISHMENT INSTRUCTIONS paragraph 11.1. or 11.2. of this EASB at the latest when the center shaft assembly reaches 5600 FH

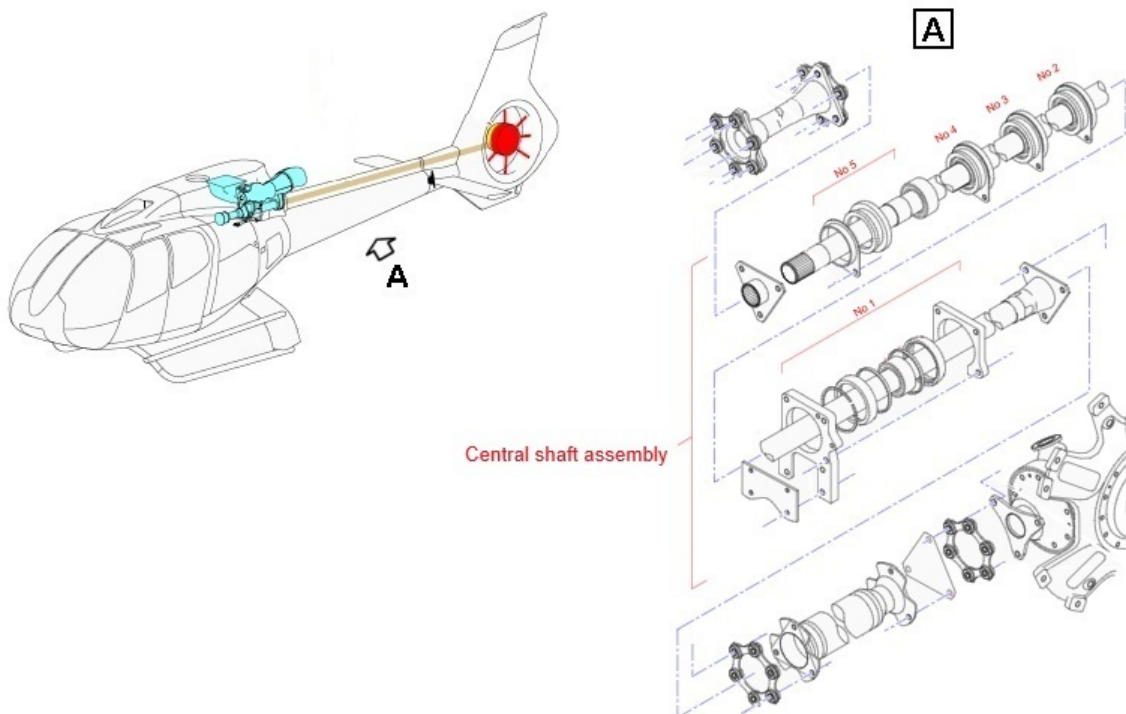
SUMMARY

The purpose of this EASB is to give limitations on the center shaft assembly before it reaches its SLL.

GENERAL EVALUATION

Evaluation table			
Once only	YES	Recurring	NO

GENERAL ILLUSTRATION



PLANNING INFORMATION

1. REASON

Recent fatigue tests performed by Airbus Helicopters on Tail Drive Line provided data that can impact the Service Life Limit of the part.

A crack can initiate from the riveted area and propagate until failure of the center shaft assembly.

Consequently, as a first precautionary protective measure, the purpose of this EASB is to give limitations on the center shaft assembly before it reaches its SLL.

2. DESCRIPTION

This EASB provides limitations on the center shaft assembly before it reaches its SLL.

3. CONFIGURATION DEFINITION

Not applicable.

4. CONCURRENT REQUIREMENTS

Not applicable.

5. APPROVAL

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

6. MANPOWER

NOTE

The purpose of the below information is to give Airbus Helicopters customers a guideline for maintenance scheduling. It is not a contractual information.

It does not take into account the drying/curing time which is given in each product's data sheet.

6.1. Manpower for center shaft assembly replacement

Number of Persons	Qualification	Estimated man hours
2	Mechanical technician	6 h

7. WEIGHT AND BALANCE

Not applicable.

8. ELECTRICAL LOAD DATA

Not applicable.

9. DOCUMENTATION AFFECTED

Not applicable.

10. MATERIAL INFORMATION

10.1. Price

For information about the price of the material kits and/or components, or for aid, contact the Airbus Helicopters Network Sales and Customer Relations Department.

10.2. Availability

Contact the Sales and Customer Relations Department to know the delivery lead times.

10.3. Procurement

Send an order for the necessary quantities to the Airbus Helicopters Network Sales Department.

10.4. Mixability

This EASB has no effect on the mixability.

10.5. LIST OF NEW MATERIALS

Individual Spares List					
Item	Designation	Reference	MFC	QTY	See Notes
2	CENTER SHAFT ASSEMBLY	350A34-0214-01	F0210	1	(1)
NOTE(S)					
(1)	A serviceable center shaft assembly is a new center shaft assembly or a center shaft assembly with a TSN below 6050 FH for EC130 B4 and below 5550 FH for EC130 T2				

Consumables, Materials and Expendables			
Designation	Reference	MFC	QTY
None			

Special Tools				
Item	Designation	Reference	MFC	QTY
None				

10.6. LIST OF EXISTING PARTS

Not applicable.

11. ACCOMPLISHMENT INSTRUCTION

11.1. Center shaft assembly replacement

Comply with the ACCOMPLISHMENT PROCEDURE. Refer to [65-00-0001, 933](#).

11.2. Flight limitations

Contact Airbus Helicopters before resuming flights.

NOTE

Further instructions will be provided by Airbus Helicopters.

12. ADDITIONAL INFORMATION

Not applicable.

End of section

ACCOMPLISHMENT PROCEDURE 65-00-0001, 933

1. APPLICABILITY

Model:	EC130
Version:	B4, T2

2. GENERAL INFORMATION

Acronym / Abbreviation List

ALS - Airworthiness Limitations Section

AMM - Aircraft Maintenance Manual

FH - Flight Hour

h - Hour

MTC - Manuel des Techniques Courantes (Standard Practices Manual)

SLL - Service Life Limit

TSN - Time Since New

3. PRELIMINARY REQUIREMENTS

3.1. Applicable Documents

- Handling of helicopters in a hangar and in a prepared area- Handling [MTC 20-07-01-201](#)
- General Safety Instructions - Mechanical assemblies - General instructions - Mechanical assemblies [AMM 60-00-00.3-1](#)
- Removal - Center Shaft Section - Tail drive line [AMM 65-11-00.4-3](#)
- Installation - Central Shaft Section - Tail drive line [AMM 65-11-00.4-4](#)

3.2. Required condition

- If necessary, park the helicopter in a hangar. Refer to [MTC 20-07-01-201](#)
- Disconnect all the electrical power supplies.

- Install the applicable access equipment.
- Remove and/or open all applicable cowlings, panels, doors and other items of equipment to get access to the different work areas.

3.3. Special Tools

None

3.4. Consumables, Materials and Expendables

None

3.5. Spares

Designation	Reference	MFC	QTY
CENTER SHAFT ASSEMBLY	350A34-0214-01	F0210	1

3.6. Safety conditions

WARNING

**BEFORE YOU START THE TASK, READ THE SAFETY AND
GENERAL MAINTENANCE INSTRUCTIONS [AMM](#)
[60-00-00,3-1](#).**

4. PROCEDURE

- 4.1. Remove the center shaft assembly (1) ([Figure 1](#)). Refer to [AMM 65-11-00.4-3](#).
- 4.2. Install a serviceable center shaft assembly (2). Refer to [AMM 65-11-00.4-4](#).

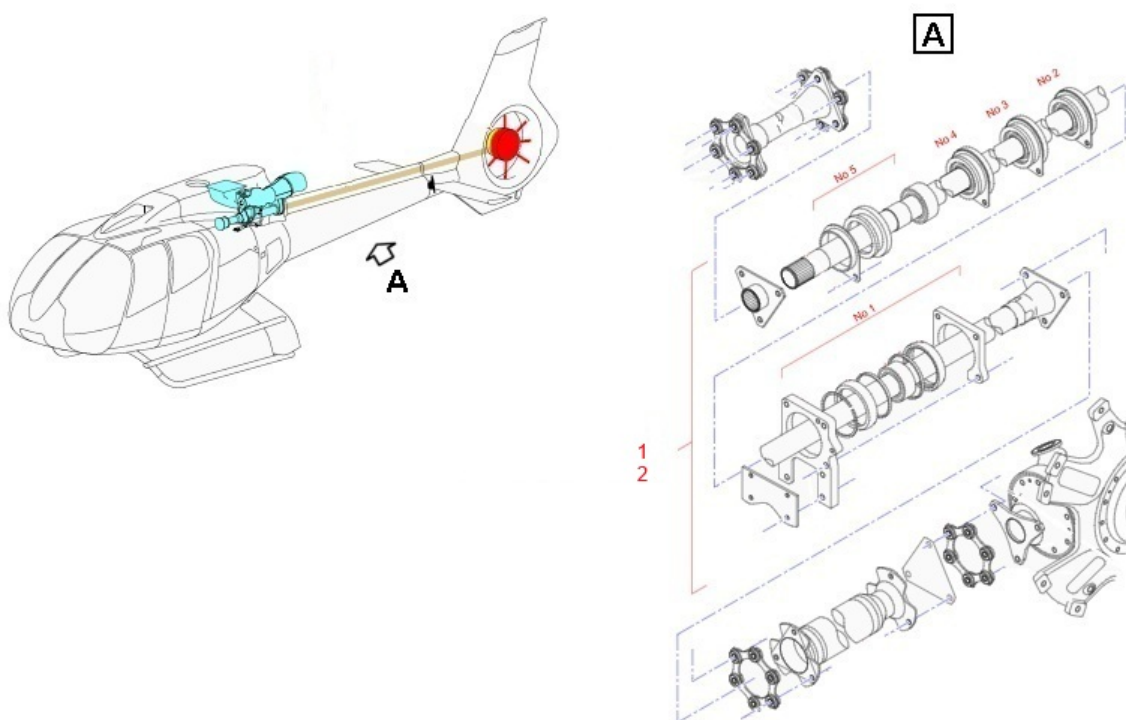


Figure 1

NOTE

If a serviceable central shaft assembly is installed, this EASB is applicable again when the center shaft assembly reaches 6100 FH for EC130 B4 and 5600 FH for EC130 T2.

- 4.3. Contact Airbus Helicopters to get instructions to send back the center shaft assembly (1) to Airbus Helicopters.

5. REQUIREMENTS AFTER JOB COMPLETION

- 5.1. Remove all the tools, the materials and the equipment from your work area.
- 5.2. Install or close all cowlings, panels, doors and items of equipment that you removed and/or opened during the preliminary steps (paragraph set-up of this EASB).
- 5.3. Remove the access equipment.
- 5.4. Connect all the electrical power supplies.
- 5.5. Record the full compliance with this EASB, with its issue number, in the helicopter documents and, if applicable, in the log card of the equipment or its next higher assembly.
- 5.6. Record the compliance with this EASB with the QR code or hypertext link.



[EASB EC130-65-00-0001](#)

End of Service Bulletin