

ALERT SERVICE BULLETIN

TITLE: Tail Rotor Drive - Shaft - Improved geometry of the tail boom rear drive shaft

SB Type: Corrective measure

APPLICABILITY

Model:	EC130
Version:	T2
Component affected:	350A34-5020-00
Helicopters POST MOD:	079809
Helicopters PRE MOD:	0790006

COMPLIANCE: MANDATORY

Comply with this ALERT SERVICE BULLETIN within 600FH or 24 months, whichever comes first. Refer to the issue date on the page footer.

REASON FOR REVISION

REASON FOR ISSUE 002

The objective of issue 002 of this ALERT SERVICE BULLETIN is:

- To update the Helicopter PRE MOD applicability
- To cancel the reference to the DN in paragraph 8 as its content was integrated in the technical documentation.

ADDITIONAL WORK

No additional work is required by this revision.

Export Control:

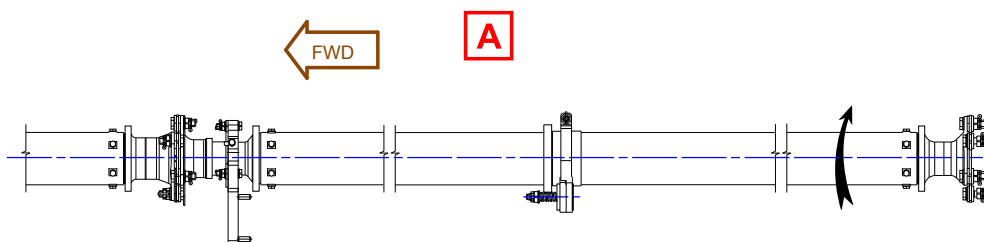
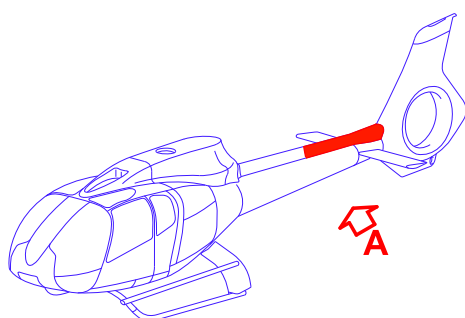
US Export Control - No US content. This Item does not contain any U.S. origin ITAR or EAR content.

FR Export Control - Not Listed. This Item is not listed against the EC regulations in the EU/FR.

GENERAL EVALUATION

Evaluation table			
Perform once	YES	Recurring accomplishment	NO

GENERAL ILLUSTRATION



PLANNING INFORMATION

1. REASON

Several in-service incidents were reported to AH concerning degradation of the intermediate tail drive shafts support on the H130 equipped with a new tail boom post ECP 079809 featuring a new tail drive shaft assembly with a single bearing. The damage consists of loose/failed rivets on the bearing support, in some limited cases occurrence of cracks in the supporting structure and occasional wear of the splines in the connection between the two drive shafts. AH had initiated extensive investigations and identified the root cause of these events. As a corrective measure, the main objective of this ALERT SERVICE BULLETIN is to replace the current tail boom rear drive shaft by a new rear drive shaft with an improved geometry.

The technical data or instructions contained in this ALERT SERVICE BULLETIN refer to the ECP EC07.90006.

2. DESCRIPTION

This ALERT SERVICE BULLETIN provides the instruction to the replacement of the tail boom rear drive shaft.

3. CONFIGURATION DEFINITION

Not applicable.

4. APPROVAL

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

For helicopters operated outside the territories regulated by the EASA, the application of this document is subject to validation provided by the responsible aviation authority of the state of registry.

5. MANPOWER

NOTE

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

Number of Persons	Qualification	Estimated Man Hours
2	Mechanical technician	2 h

6. WEIGHT AND BALANCE

There is no change in weight and moment.

7. ELECTRICAL LOAD DATA

Not applicable.

8. DOCUMENTATION AFFECTED

- Aircraft Maintenance Manual (AMM)
- Airworthiness Limitations Section (ALS)
- Illustrated Part Catalog (IPC)
- Master Servicing Manual (MSM)

9. MATERIAL INFORMATION

9.1. Price

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

9.2. Availability

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

9.3. Procurement

Send an order for the necessary quantities to the Airbus Helicopters Network Sales Department.
You can send an order for the consumables from the AirbusWorld Marketplace through e-ordering. If you cannot get access to e-ordering, please contact your Logistic Focal Point.

9.4. Mixability

This Service Bulletin has no effect on the mixability.

9.5. LIST OF NEW MATERIALS

Individual Spares List				
Item	Designation	Reference	MFC	QTY
1	Shaft assy, aft	350A34-5020-01	F0210	1

Consumables, Materials and Expendables			
Designation	Reference	MFC	QTY
Grease G-355	CM116	-	As required

Special Tools				
Item	Designation	Reference	MFC	QTY
None				

9.6. LIST OF EXISTING PARTS

REMOVED SPARE PARTS	
Old Reference	Designation
350A34-5020-00	Shaft assy, aft

10.ACCOMPLISHMENT INSTRUCTION

Comply with the accomplishment procedure [65-11-0002, 933](#).

11. ADDITIONAL INFORMATION

Not applicable.

End of section

ACCOMPLISHMENT PROCEDURE 65-11-0002, 933

1. APPLICABILITY

Model:	EC130
Version:	T2
Helicopters POST MOD:	079809
Helicopters PRE MOD:	0790006

2. PRELIMINARY REQUIREMENTS

2.1. Applicable Documents

- General Instructions - Electrical Systems - Electrical Power Supply System [AMM 24-00-00, 3-1](#)
- Removal - Rear section - Tail Rotor Drive Line POST MOD 079809 [AMM 65-11-01,4-3](#)
- Installation - Rear section - Tail Rotor Drive Line POST MOD 079809 [AMM 65-11-01,4-4](#)
- Use of greases - Miscellaneous products used on helicopters [MTC 20-01-01-301](#)
- Helicopter parked in a repair shop - Safety instructions [MTC 20-07-02-201](#)

2.2. Set up

- Park the helicopter in a hangar. Refer to [MTC 20-07-02-201](#)
- Disconnect all the electrical power supplies. Refer to [AMM 24-00-00, 3-1](#)
- 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.

2.3. Special Tools

None

2.4. Consumables, Materials and Expendables

Designation	Reference	MFC	QTY
Grease G-355	CM116	-	As required

2.5. Spares

Designation	Reference	MFC	QTY
Shaft assy, aft	350A34-5020-01	F0210	1

2.6. Safety conditions



3. PROCEDURE

3.1. Replacement of the shaft assy

NOTE

Mark the parts before disassembly for identical reassembly

- 3.1.1. Refer to Task [AMM 65-11-01,4-3](#) and remove the shaft assy.
- 3.1.2. Refer to Task [AMM 65-11-01,4-4](#) and install the Shaft assy, aft 350A34-5020-01.

4. CLOSE UP

- 4.1. Install and/or close all cowlings, panels, doors and items of equipment that you removed and/or opened during the preliminary steps.
- 4.2. Remove all the tools, the materials and the equipment from your work area.
- 4.3. Record compliance with this ALERT SERVICE BULLETIN, with its issue number, in the helicopter documents and, if applicable, in the log card of the equipment or its next higher assembly.
- 4.4. Record the modification 0790006 in the helicopter documents and if applicable, in the log card of the equipment or its next higher assembly.
- 4.5. Record the full compliance with this ALERT SERVICE BULLETIN (see IN 3785-I-00 for instructions): QR code or hypertext link.



[AS350-65-11-0002](#)

End of Service Bulletin