



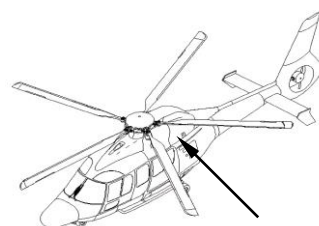
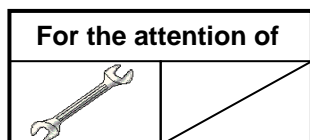
No. EC155-80-003

Civil version(s): B, B1

SERVICE BULLETIN

PROTECTIVE MEASURE

STARTING - Generator Starter Update of starter generator maintenance



Revision No.	Date of issue
Revision 0	2021-11-23

Summary:

The purpose of this Service Bulletin is to give a schedule for the next overhaul of the starter generator.

Compliance:

Airbus Helicopters recommends that you comply with this Service Bulletin.

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1. PLANNING INFORMATION

1.A. EFFECTIVITY

1.A.1. Helicopters/installed equipment or parts

EC155 helicopters versions B and B1 that have a starter generator with the Part Number (P/N) 524-031 (704A46101011).

1.A.2. Non-installed equipment or parts

Starter generator P/N 524-031 (704A46101011) supplied before the receipt of this Service Bulletin (refer to the issue date on the page footer).

1.B. ASSOCIATED REQUIREMENTS

Not applicable.

1.C. REASON

A chip warning occurred for the LH engine. After looking at the engine magnetic plugs, many chips were found on the plug of module 1.

After removal of the engine for further inspection, the technician discovered a lot of chips on the starter generator pinion and an excessive play on the drive shaft.

Following these events, Airbus Helicopters updates the maintenance of the starter generator P/N 524-031. This update consists to decrease the (Time Between Overhaul) TBO from 3000 flight hours (FH) (300 FH margin) to 1200 FH (20 FH margin) and introduce a 60-months calendar limit.

Following this maintenance updating, Airbus Helicopters has defined a schedule for compliance with the next overhaul and the next installation check of the starter generator as per this Service Bulletin.

1.D. DESCRIPTION

This Service Bulletin consists to give a schedule for the next overhaul of the starter generator (SG).

1.E. COMPLIANCE

1.E.1. Compliance at H/C manufacturer level

Not applicable.

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1.E.2. Compliance in service

Helicopters/installed equipment or parts:

It is the operator who does the work on the helicopter.

Airbus Helicopters recommends that you comply with the limits of the Table No.1 for the next overhaul of the SG.

Table No. 1		
Number of FH of the SG Age of the SG	If Time Since New (TSN) or last overhaul of the SG is less than or equal to 1650 FH	If TSN or last overhaul is more than 1650 FH
TSN or last overhaul of the SG is less than or equal to 5 years	Do the overhaul not more than 1650 FH or 8Y after production or last overhaul (the first limit you get to is applicable).	Do the overhaul not more than 3300 FH or 8Y after production or last overhaul (the first limit you get to is applicable).
TSN or last overhaul of the SG is more than 5 years and less than or equal to 8 years	Do the overhaul not more than 1650 FH after production or last overhaul or 36 Months (M) (the first limit you get to is applicable) after you received revision 0 of this Service Bulletin (refer to issue date on the page footer).	Do the overhaul not more than 3300 FH after production or last overhaul or 36 M (the first limit you get to is applicable) after you received revision 0 of this Service Bulletin (refer to issue date on the page footer).
TSN or last overhaul of the SG is more than 8 years and less than or equal to 10 years	Do the overhaul not more than 1650 FH after production or last overhaul or 24 M (the first limit you get to is applicable) after you received revision 0 of this Service Bulletin (refer to issue date on the page footer).	Do the overhaul not more than 3300 FH after production or last overhaul or 24 M (the first limit you get to is applicable) after you received revision 0 of this Service Bulletin (refer to issue date on the page footer).
TSN or last overhaul of the SG is more than 10 years and less than or equal to 15 years	Do the overhaul not more than 1650 FH after production or last overhaul or 12 M (the first limit you get to is applicable) after you received revision 0 of this Service Bulletin (refer to issue date on the page footer).	Do the overhaul not more than 3300 FH after production or last overhaul or 12 M (the first limit you get to is applicable) after you received revision 0 of this Service Bulletin (refer to issue date on the page footer).
TSN or last overhaul of the SG is more than 15 years	Do the overhaul not more than 1650 FH after production or last overhaul or 6 M (the first limit you get to is applicable) after you received revision 0 of this Service Bulletin (refer to issue date on the page footer).	Do the overhaul not more than 3300 FH after production or last overhaul or 6 M (the first limit you get to is applicable) after you received revision 0 of this Service Bulletin (refer to issue date on the page footer).

Then refer to the Master Servicing Manual (MSM) issued with date code 2022-02-01 or any further date code to do the overhaul of the SG.

Non-installed equipment or parts:

Before installation, make sure that the limits for the next SG overhaul is not more than the limits specified for "Helicopters/installed equipment or parts" (above).

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1.F. APPROVAL

Approval of modifications:

Not applicable.



Approval of this document:

The technical information contained in this Service Bulletin Revision 0 was approved on November 17, 2021 under the authority of EASA Design Organization Approval No. 21J.700 for civil version helicopters subject to an Airworthiness Certificate.

1.G. MANPOWER

Not applicable.

1.H. WEIGHT AND BALANCE

Not applicable.

1.I. POWER CONSUMPTION

Not applicable.

1.J. SOFTWARE UPGRADES/UPDATES

Not applicable.

1.K. REFERENCES

This document is necessary to comply with this Service Bulletin:

Information Notice (IN):

IN 3643-I-00: Introduction of the digital Service Bulletin reporting service R-TEX

1.L. OTHER AFFECTED PUBLICATIONS

Not applicable.

1.M. PART INTERCHANGEABILITY OR MIXABILITY

Not applicable.

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2. EQUIPMENT OR PARTS INFORMATION

2.A. EQUIPMENT OR PARTS: PRICE - AVAILABILITY - PROCUREMENT

Not applicable.

2.B. LOGISTIC INFORMATION

Not applicable.

2.C. EQUIPMENT OR PARTS REQUIRED PER HELICOPTER/COMPONENT

Not applicable.

2.D. EQUIPMENT OR PARTS TO BE RETURNED

Not applicable.

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3. ACCOMPLISHMENT INSTRUCTIONS

3.A. GENERAL

Not applicable.

3.B. WORK STEPS

Not applicable.

3.C. RECORD OF COMPLIANCE

Compliance with this document:

- Record the full compliance with this Service Bulletin, with the revision number, in the helicopter documents.
- Record compliance with this Service Bulletin (see IN 3643-I-00 for instructions):
QR code or hypertext link



NOTE

The recording of compliance with Service Bulletins in the R-TEX tool does not replace the recording in the helicopter documents.

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3.D. OPERATING AND MAINTENANCE INSTRUCTIONS

Not applicable.