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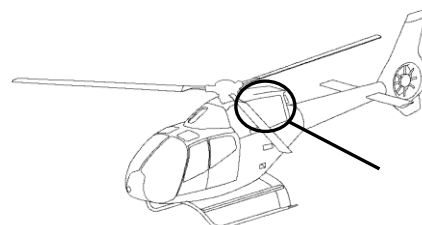
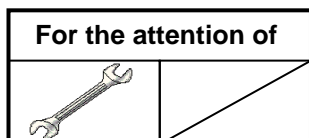
Civil version: B

SERVICE BULLETIN

PROTECTIVE MEASURE

ELECTRICAL POWER - Starter generator

Introduction of a calendar limit for the Time Between Overhaul (TBO) of the starter generator



Revision No.	Date of issue
Revision 0	2021-03-24

Summary:

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

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

EC120 helicopters (version B) that have a starter generator with one of the Part Numbers (P/N) below:

- P/N 160SG140Q-1 (7050A4243037) or
- P/N 160SG140Q-1-XL (7050A4243050) or
- P/N 160SG140Q-4 (7050A4243054) or
- P/N 524-061 (704A46101021).

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

Starter generator delivered before receipt of this Service Bulletin (refer to the issue date on the page footer), which has one of the P/N below:

- P/N 160SG140Q-1 (7050A4243037) or
- P/N 160SG140Q-1-XL (7050A4243050) or
- P/N 160SG140Q-4 (7050A4243054) or
- P/N 524-061 (704A46101021).

1.B. ASSOCIATED REQUIREMENTS

Not applicable.

1.C. REASON

For starter generator P/N 524-061, Airbus Helicopters decreases the TBO from 1200 H (120-H margin) to 1200 H (20-H margin). For all starter generator P/Nos., Airbus Helicopters introduces a 60-month calendar limit for the TBO.

This Service Bulletin thus gives a schedule for the next overhaul of the starter generator.

1.D. DESCRIPTION

This Service Bulletin gives a schedule for the next overhaul of the starter generator.

1.E. COMPLIANCE

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

Not applicable.

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1.E.2. Compliance in service

The operator must do the work on the helicopter and on non-installed equipment.

Helicopters/installed equipment or parts:

- Airbus Helicopters recommends that you obey the limits specified below for the next overhaul of starter generator P/N 160SG140Q-4 or 524-061.

. If the Time Since New (TSN) or last overhaul of the starter generator is less than or equal to 5 years:

.. Do the overhaul not more than 1200 Flight Hours (FH) (+120-FH margin) or 8 years after production or last overhaul (the first limit you get to is applicable).

. If the TSN or last overhaul of the starter generator is more than 5 years and less than or equal to 8 years:

.. Do the overhaul not more than 1200 FH (+120-FH margin) after production or last overhaul or 36 months (the first limit you get to is applicable) after you received revision 0 of this Service Bulletin (refer to the issue date on the page footer).

. If the TSN or last overhaul of the starter generator is more than 8 years and less than or equal to 10 years:

.. Do the overhaul not more than 1200 FH (+120-FH margin) after production or last overhaul or 24 months (the first limit you get to is applicable) after you received revision 0 of this Service Bulletin (refer to the issue date on the page footer).

. If the TSN or last overhaul of the starter generator is more than 10 years and less than or equal to 15 years:

.. Do the overhaul not more than 1200 FH (+120-FH margin) after production or last overhaul or 12 months (the first limit you get to is applicable) after you received revision 0 of this Service Bulletin (refer to the issue date on the page footer).

. If the TSN or last overhaul of the starter generator is more than 15 years:

.. Do the overhaul not more than 1200 FH (+120-FH margin) after production or last overhaul or 6 months (the first limit you get to is applicable) after you received revision 0 of this Service Bulletin (refer to the issue date on the page footer).

Then, refer to the MSM that will be issued with date code 2021.07.05 or a later date code to do the overhaul of starter generator P/N 160SG140Q-4 or 524-061.

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- Airbus Helicopters recommends that you obey the limits specified below to do the overhaul of starter generator P/N 160SG140Q-1 or 160SG140Q-1-XL.

. If the Time Since New (TSN) or last overhaul of the starter generator is less than or equal to 5 years:

.. Do the overhaul not more than 900 Flight Hours (FH) (+100-FH margin) or 8 years after production or last overhaul (the first limit you get to is applicable).

. If the TSN or last overhaul of the starter generator is more than 5 years and less than or equal to 8 years:

.. Do the overhaul not more than 900 Flight Hours (FH) (+100-FH margin) after production or last overhaul or 36 months (the first limit you get to is applicable) after you received revision 0 of this Service Bulletin (refer to the issue date on the page footer).

. If the TSN or last overhaul of the starter generator is more than 8 years and less than or equal to 10 years:

.. Do the overhaul not more than 900 Flight Hours (FH) (+100-FH margin) after production or last overhaul or 24 months (the first limit you get to is applicable) after you received revision 0 of this Service Bulletin (refer to the issue date on the page footer).

. If the TSN or last overhaul of the starter generator is more than 10 years and less than or equal to 15 years:

.. Do the overhaul not more than 900 Flight Hours (FH) (+100-FH margin) after production or last overhaul or 12 months (the first limit you get to is applicable) after you received revision 0 of this Service Bulletin (refer to the issue date on the page footer).

. If the TSN or last overhaul of the starter generator is more than 15 years:

.. Do the overhaul not more than 900 Flight Hours (FH) (+100-FH margin) after production or last overhaul or 6 months (the first limit you get to is applicable) after you received revision 0 of this Service Bulletin (refer to the issue date on the page footer).

Then, refer to the MSM issued with date code 2021.07.05 or a later date code to do the overhaul of starter generator P/N 160SG140Q-1 or 160SG140Q-1-XL.

Non-installed equipment or parts:

Before installation, make sure that the limits for the next starter generator overhaul specified for "Helicopters/installed equipment or parts" (above), are not exceeded.

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 March 23, 2021 under the authority of EASA Design Organization Approval No. 21J.700 for civil version helicopters subject to an Airworthiness Certificate.

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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-Text tool does not replace the recording in the helicopter documents.

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3.D. OPERATING AND MAINTENANCE INSTRUCTIONS

Not applicable.