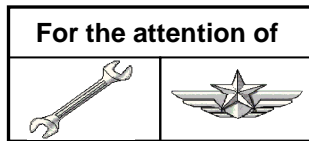


EMERGENCY ALERT SERVICE BULLETIN

PROTECTIVE MEASURE

TIME LIMITS - MAINTENANCE CHECKS - Landing gear
Check for cracks on the landing gear

ATA 32



HELICOPTER CONCERNED	NUMBER	Version(s)	
		Civil	Military
EC120	05A022	B	

Revision No.	Date of issue
Revision 0	2020-10-20
Revision 1	2020-11-05
Revision 2	2024-07-03

Summary:

After the replacement of a landing gear due to sinking, the customer performed an inspection of the discarded skid tube.

During this inspection, a crack was found inside the skid tube, under the rear crossbar fitting.

Airbus has therefore thus renders mandatory the inspection of the landing gear of EC120 helicopters to make sure that there are no cracks in the skid tube under the rear crossbar fitting.

Reason for last Revision:

Revision 2 of this ALERT SERVICE BULLETIN informs that this ALERT SERVICE BULLETIN is no longer applicable following:

- Integration in Master Servicing Manual (MSM) of the Operating Time Limit (OTL) of 1450 AutoRotational Landings (ARL)
- Publishing of SB EC120-32-11-0001 allowing the retrofit of landing gears with reinforced pad with Operating Time Limit (OTL) of 5900 AutoRotational Landings (ARL).

Compliance:

Compliance with this ALERT SERVICE BULLETIN is mandatory.

S/N: 1482, 1568, 1573, 1596, 1600, 1601, 1605, 1606, 1609, 1610, 1611, 1612, 1613, 1615, 1616, 1617, 1620, 1622, 1623, 1624, 1625, 1626, 1628, 1630, 1631, 1635, 1637, 1638, 1641, 1643, 1645, 1646, 1647, 1648, 1649, 1650

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 2020-10-20
Revision 2 2024-07-03

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Export Control: US_EC_NoUScontent - FR_EC_NotListed

1. PLANNING INFORMATION

1.A. EFFECTIVITY

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

EC120 helicopters, version B, which have performed more than 1450 autorotation landings since new and have a serial number listed on page 1.

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

Skids which have performed more than 1450 autorotation landings.

NOTE 1

All the possible configurations of landing gear delivered by Airbus Helicopters are concerned. As a reminder, the existing landing gear references are:

- C321A2101053,
- C321A2101054,
- C321A2501051,
- C321A2601053.

1.B. ASSOCIATED REQUIREMENTS

Not applicable.

1.C. REASON

Revision 0:

After the replacement of a landing gear due to sinking, the customer performed an inspection of the discarded skid tube.

During the inspection, a crack was found inside the skid tube, under the rear crossbar fitting.

After investigation by Airbus Helicopters, it was found that this crack can initiate if the helicopter performs a large number of autorotation landings.

This crack can lead to the roll-over of the helicopter after a hard landing.

Therefore, Airbus Helicopters makes compliance with this ALERT SERVICE BULLETIN mandatory.

Revision 1:

The purpose of revision 1 of this ALERT SERVICE BULLETIN is to specify that the number of autorotation landings is specific to each landing skid.

Revision 2:

Revision 2 of this ALERT SERVICE BULLETIN informs that this ALERT SERVICE BULLETIN is no longer applicable following:

- Integration in Master Servicing Manual (MSM) of the Operating Time Limit (OTL) of 1450 AutoRotational Landings (ARL)
- Publishing of SB EC120-32-11-0001 allowing the retrofit of landing gears with reinforced pad with Operating Time Limit (OTL) of 5900 AutoRotational Landings (ARL).

Revision 2 of this ALERT SERVICE BULLETIN has no effect on the compliance with former revisions of this ALERT SERVICE BULLETIN.

1.D. DESCRIPTION

Not applicable.

1.E. COMPLIANCE

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

Not applicable.

1.E.2. Compliance in service

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.

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

Not applicable

1.L. OTHER AFFECTED PUBLICATIONS

Not applicable

1.M. PART INTERCHANGEABILITY OR MIXABILITY

Not applicable.

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.

3 ACCOMPLISHMENT INSTRUCTIONS

3.A. GENERAL

Not applicable.

3.B. WORK STEPS

Not applicable.

3.C. RECORD OF COMPLIANCE

Not applicable.

3.D. OPERATING AND MAINTENANCE INSTRUCTIONS

Not applicable.