



Airworthiness Directive

AD No.: 2018-0011

Issued: 16 January 2018

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) 216/2008 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.

This AD is issued in accordance with Regulation (EU) 748/2012, Part 21.A.3B. In accordance with Regulation (EU) 1321/2014 Annex I, Part M.A.301, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an AD applies, except in accordance with the requirements of that AD, unless otherwise specified by the Agency [Regulation (EU) 1321/2014 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [Regulation (EC) 216/2008, Article 14(4) exemption].

Design Approval Holder's Name:

AIRBUS HELICOPTERS

Type/Model designation(s):

EC175 B helicopters

Effective Date: 30 January 2018

TCDS Number(s): EASA.R.150

Foreign AD: Not applicable

Supersedure: None

ATA 25 – Equipment / Furnishings – Automatic Deployable Emergency Locator Transmitter – Inspection / Replacement

Manufacturer(s):

Airbus Helicopters (AH)

Applicability:

EC175 B helicopters, all manufacturer serial numbers, delivered before 01 July 2017.

Note 1: For the purpose of this AD, the delivery date is the “date of statement of conformity” indicated on the identification plate of the helicopter.

Reason:

Several occurrences were reported of finding deviations from the approved design of the electrical bonding braid installation connected to the System Interface Unit (SIU), Part Number (P/N) 503-42-G, of the Automatic Deployable Emergency Locator Transmitter (ADELT). The reported deviations were detected during the manufacturing of the helicopters. Subsequent investigation identified a specific group of helicopters affected by this manufacturing deficiency.

This condition, if not detected and corrected, could damage the integrity of the SIU, possibly resulting in unwanted deployment of the ADELT beacon, malfunction of the emergency signalling system during an emergency, or injuries to persons on the ground.



To address this potential unsafe condition, AH corrected the installation instructions used in production and published Alert Service Bulletin (ASB) EC175-25A013 (hereafter referred to as 'the ASB' in this AD), providing inspection and replacement instructions.

For the reasons described above, this AD requires repetitive inspections of the installation of the electrical bonding braid connected to the SIU and replacement.

Required Action(s) and Compliance Time(s):

Required as indicated, unless accomplished previously:

Repetitive Inspection(s):

- (1) Within 30 days after the effective date of this AD and, thereafter, at intervals not to exceed 3 months, visually inspect the electrical bonding braid connected to the SIU in accordance with the instructions of Paragraph 3.B.2.a of the ASB.

Corrective Action(s):

- (2) If, during any inspection as required by paragraph (1) of this AD, any discrepancy, as defined in the ASB, is detected, before next flight, accomplish the applicable corrective action(s) in accordance with the instructions of Paragraph 3.B.2.a of the ASB.

Replacement:

- (3) Within 12 months after the effective date of this AD, or within 2 months after accomplishment of a corrective action, as required by paragraph (2) of this AD, as applicable, replace the SIU with a serviceable part in accordance with the instructions of Paragraph 3.B.2.b of the ASB.

Terminating Action:

- (4) Replacement on a helicopter of an SIU, as required by paragraph (3) of this AD, constitutes terminating action for the repetitive inspections as required by paragraph (1) of this AD for that helicopter.

Ref. Publications:

AH ASB No. EC175-25A013 original issue, dated 26 October 2017.

The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.

Remarks:

1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.
2. This AD was posted on 04 December 2017 as PAD 17-161 for consultation until 01 January 2018. No comments were received during the consultation period.
3. Enquiries regarding this AD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.



4. For any question concerning the technical content of the requirements in this AD, please contact Airbus Helicopters (Technical Support), Aéroport de Marseille Provence - 13725 Marignane Cedex, France, Telephone +33 (0)4 42 85 97 97, Fax +33 (0)4 42 85 99 66, Web portal: <https://keycopter.airbushelicopters.com> > Technical Requests Management, or E-mail: support.technical-airframe.ah@airbus.com.

