



Emergency Airworthiness Directive

AD No.: 2018-0175-E

Issued: 15 August 2018

Note: This Emergency 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:

LEONARDO S.p.A.

Type/Model designation(s):

AB206 helicopters

Effective Date: 20 August 2018

TCDS Number(s): EASA.R.140

Foreign AD: Not applicable

Supersedure: This AD supersedes EASA AD 2009-0022-E dated 06 February 2009.

ATA 72 – Engine – Power Turbine Limitations – Operational Limitation

Manufacturer(s):

Agusta S.p.A. (formerly Costruzioni Aeronautiche G. Agusta S.p.A.)

Applicability:

AB206B helicopters equipped with Rolls-Royce Corporation (formerly Allison) engines 250-C20 (series) and engines 250-C20R (series), all serial numbers.

Note: That includes AB206B helicopters which were formerly AB206A helicopters on which Bollettino Tecnico (BT) 206-52 was embodied in service.

Definitions:

For the purpose of this AD, the following definitions apply:

The SB: Leonardo Service Bulletin (SB) 206-252.

Reason:

In 2009, following several third stage turbine wheel failures, the engine Type Certificate holder, Rolls-Royce Corporation, issued Commercial Engine Bulletin (CEB) A-1400 Revision 3 to introduce an operational limitation on the power turbine N2 speed range (75% - 88%). To address this unsafe condition, Agusta issued Alert BT 206-244 and EASA published AD 2009-0022-E to require a Rotorcraft Flight Manual (RFM) amendment with operating limitations.



This condition, if not corrected, could lead to an engine turbine failure, possibly resulting in reduced control of the helicopter.

Since EASA AD 2009-0022-E was issued, it was determined that these limitations needed to be amended.

To address this new unsafe condition, Leonardo issued the SB with new operating limitations proposed by Rolls-Royce Corporation, providing instructions to update the RFM and to install a placard in the cockpit.

For the reasons described above, this AD supersedes EASA AD 2009-0022-E, and requires amendment of the RFM and installation of a placard.

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

Required as indicated, unless accomplished previously:

RFM Amendment:

- (1) Within 5 flight hours or 10 days, whichever occurs first after the effective date of this AD, amend the limitation section of the RFM in accordance with the instructions of the SB, inform all flight crews and, thereafter, operate the helicopter accordingly.

Placard Installation:

- (2) Concurrently with the RFM amendment as required by paragraph (1) of this AD, install a placard in the cockpit, in full view of the pilots, in accordance with the instructions of the SB.

Ref. Publications:

Agusta Alert BT 206-244 dated 05 February 2009.

Leonardo SB 206-252 original issue dated 13 August 2018.

The use of later approved revisions of the above-mentioned documents 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. The results of the safety assessment have indicated the need for immediate publication and notification, without the full consultation process.
3. Enquiries regarding this AD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
4. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this AD, and which may occur, or have occurred on



a product, part or appliance not affected by this AD, can be reported to the [EU aviation safety reporting system](#).

5. For any question concerning the technical content of the requirements in this AD, please contact: Leonardo S.p.A., Customer Support & Services, Product Support Engineering DPT, via Giovanni Agusta 520, 21017 Cascina Costa di Samarate (VA) – Italy, Telephone: +39 0331 711439, Fax: +39 0331 225988, E-mail: absereng.AW@leonardocompany.com.

