



適航指令發布單

Airworthiness Directive Issuance Form

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| 民航局 AD 編號 AD number | CAA-2020-03-017 | 發布日期 Date issued | 2020/3/31 |
| 適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable) | Trent XWB-75, Trent XWB-79, Trent XWB-79B, Trent XWB-84 and Trent XWB-97 engines, all serial numbers. | | |
| 主旨摘要 | Time Limits / Maintenance Checks - Time Limits Manual / Maintenance Programme - Amendment | | |
| 民航局 CAA <input type="checkbox"/> 本國產品 Native products <input type="checkbox"/> 其他個案 Other | 設計國民航主管機構 Original Authorities <input type="checkbox"/> FAA <input checked="" type="checkbox"/> EASA <input type="checkbox"/> Brazil <input type="checkbox"/> Transport Canada Civil Aviation <input type="checkbox"/> DGAC <input type="checkbox"/> Germany LBA <input type="checkbox"/> CAA-NL <input type="checkbox"/> UK CAA <input type="checkbox"/> Japan CAB <input type="checkbox"/> CAA of Israel <input type="checkbox"/> Other _____ | | |
| | 設計國 AD 編號 Original AD number | 2020-0066 | |
| | 1. 直接採用原 AD 之內容?(Is the original AD directly adopted?) <input checked="" type="checkbox"/> 是(Yes) <input type="checkbox"/> 否(No) _ a. 生效日期另訂為(Re-specify the effective date as) : _____ b. 執行時限另訂為(Re-specify the compliance time or period as) : _____ 2. 使用人是否需要將 AD 執行結果向民航局提出報告?(Do Users need to report the status of compliance to the CAA?) <input type="checkbox"/> 是(Yes) <input checked="" type="checkbox"/> 否(No) | | |
| 備註 Note | ATA 05. Ref. Publications: Modules "Airworthiness Limitations (Mandatory Parts Lives)": TRENTXWB-A-05-10-01-00A01-030A-D and TRENTXWB-B-05-10-01-00A01-030A-D; Modules "Airworthiness limitations (Mandatory inspections)": TRENTXWB-A-05-20-01-00A01-030A-D and TRENTXWB-B-05-20-01-00A01-030A-D; of the Rolls-Royce Trent XWB Time Limits Manual (TLM) TRENTXWB-K0680-TIME0-01, revision dated 01 November 2019. | | |
| 註： 1. AD 內容後附。 2. 航空器產品使用人得向民航局提出豁免、替代符合方法、執行時限之展延之申請。 3. 如有任何問題，請聯絡交通部民用航空局初始適航科。Tel：(02)2349-6331~3, Fax：(02)2545-8464, e-mail： adcaa@mail.caa.gov.tw Note： | 1. The AD text is enclosed. 2. Exemption, an alternative method of compliance or adjustment of the compliance time may be proposed to the CAA for approval. 3. For further information, please contact Civil Aeronautics Administration on Tel:(02)2349-6331~3, Fax:(02)2545-8464, e-mail： adcaa@mail.caa.gov.tw | | |



Airworthiness Directive

AD No.: 2020-0066

Issued: 23 March 2020

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EU) 2018/1139 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 129 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 (EU) 2018/1139, Article 71 exemption].

Design Approval Holder's Name:

ROLLS-ROYCE DEUTSCHLAND Ltd & Co KG

Type/Model designation(s):

Trent XWB engines

Effective Date: 06 April 2020

TCDS Number(s): EASA.E.111

Foreign AD: Not applicable

Supersedure: None

ATA 05 – Time Limits / Maintenance Checks – Time Limits Manual / Maintenance Programme – Amendment

Manufacturer(s):

Rolls-Royce plc

Applicability:

Trent XWB-75, Trent XWB-79, Trent XWB-79B, Trent XWB-84 and Trent XWB-97 engines, all serial numbers.

These engines are known to be installed on, but not limited to, Airbus A350 aeroplanes.

Definitions:

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

The TLM: Modules “Airworthiness Limitations (Mandatory Parts Lives)”

TRENTXWB-A-05-10-01-00A01-030A-D and TRENTXWB-B-05-10-01-00A01-030A-D,

and modules “Airworthiness limitations (Mandatory inspections)”

TRENTXWB-A-05-20-01-00A01-030A-D and TRENTXWB-B-05-20-01-00A01-030A-D, of the

Rolls-Royce Trent XWB Time Limits Manual (TLM) TRENTXWB-K0680-TIME0-01, revision dated 01 November 2019.



The AMP: The approved Aircraft Maintenance Programme (AMP) on the basis of which the operator or the owner ensures the continuing airworthiness of each operated engine. For engines installed on aeroplanes operated under EU regulation, compliance with the approved AMP is required by Commission Regulation (EU) [1321/2014](#), Part M.A.301, paragraph 3.

New and/or more restrictive instructions: This includes all instructions that are new and all instructions for which a threshold or interval was reduced, which were introduced into the TLM (as defined in this AD) since the previous TLM revision that is currently incorporated in the AMP.

Reason:

The Airworthiness Limitations Section instructions for Trent XWB engines, which are approved by EASA, are defined and published in TLM TRENTXWB-K0680-TIME0-01. These instructions have been identified as mandatory for continued airworthiness.

Failure to accomplish these instructions could result in an unsafe condition.

Rolls-Royce recently revised the TLM, introducing new and/or more restrictive instructions.

For the reason described above, this AD requires accomplishment of the instructions specified in the TLM, as defined in this AD.

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

Required as indicated, unless accomplished previously:

Mandatory Inspections and Replacement of Life Limited Parts:

(1) From the effective date of this AD, accomplish the following instructions, as specified in the TLM, as applicable to engine model and depending on engine configuration:

(1.1) Replace each component before exceeding the applicable life limit, and

(1.2) Within the thresholds and intervals, accomplish each applicable mandatory inspection.

Corrective Action(s):

(2) In case of finding discrepancies (as defined in the TLM) during accomplishment of any action as required by paragraph (1) of this AD, within the compliance time specified in the TLM, accomplish the applicable corrective action(s) in accordance with approved Rolls-Royce instructions for continued airworthiness. If no compliance time is identified in the TLM, accomplish the applicable corrective action(s) before next flight. If a detected discrepancy is not identified in the TLM, before next flight, contact Rolls-Royce for approved instructions and accomplish those instructions accordingly.

AMP Revision:

(3) Within 12 months after the effective date of this AD, revise the approved AMP by incorporating the instructions and associated thresholds and intervals described in the TLM, as applicable to engine model and depending on engine configuration.



Credit:

- (4) If, before the effective date of this AD, the AMP has been revised to incorporate the instructions as specified in a previous revision of TLM TRENTXWB-K0680-TIME0-01, that AMP revision ensures the continued accomplishment of those instructions.

Consequently, for an aeroplane to which that AMP applies, it is acceptable to accomplish the new and/or more restrictive instructions as specified in the TLM, as applicable to engine model and depending on engine configuration, within the compliance times as specified in the TLM, as defined in this AD, to comply with paragraph (1) of this AD.

For that AMP, it is acceptable to incorporate only the new and/or more restrictive instructions as specified in the TLM, as applicable to engine model and depending on engine configuration, into the AMP to comply with paragraph (3) of this AD.

Recording AD compliance:

- (5) When the AMP of an aeroplane has been revised as required by paragraph (3) or (4) of this AD, as applicable, that revision ensures continued accomplishment of the actions as required by paragraphs (1) and (2) of this AD for the engine(s) installed on that aeroplane. Consequently, after revising the AMP, as required by paragraph (3) or (4) of this AD, as applicable, it is not necessary that accomplishment of individual action is recorded for demonstration of AD compliance on a continued basis.

Ref. Publications:

Modules “Airworthiness Limitations (Mandatory Parts Lives)”:

TRENTXWB-A-05-10-01-00A01-030A-D and
TRENTXWB-B-05-10-01-00A01-030A-D;

Modules “Airworthiness limitations (Mandatory inspections)”:

TRENTXWB-A-05-20-01-00A01-030A-D and
TRENTXWB-B-05-20-01-00A01-030A-D;

of the Rolls-Royce Trent XWB Time Limits Manual (TLM) TRENTXWB-K0680-TIME0-01, revision dated 01 November 2019.

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. This AD was posted on 18 February 2020 as PAD 20-038 for consultation until 17 March 2020. The Comment Response Document can be found in the [EASA Safety Publications Tool](#), in the compressed (zipped) file attached to the record for this AD.
3. Enquiries regarding this AD should be referred to the EASA Programming and Continued Airworthiness 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 your designated Rolls-Royce representative, or download the publication from your Rolls Royce Care account at <https://customers.rolls-royce.com>.

If you do not have a designated representative or Rolls Royce Care account, please contact **Corporate Communications** at **Rolls-Royce plc**, P.O. Box 31, Derby, DE24 8BJ, United Kingdom Telephone +44 (0)1332 242424,

or send an email through <https://www.rolls-royce.com/contact-us/civil-aerospace.aspx> identifying the correspondence as being related to **Airworthiness Directives**.

