



# 適航指令發布單

## Airworthiness Directive Issuance Form

民航局AD編號 AD number	CAA-2016-12-003取消	發布日期 Date issued	2024/07/08												
適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable)	RR Trent XWB-75, Trent XWB-79, Trent XWB-79B and Trent XWB-84 engines, serial numbers as listed in Appendix 1 of Alert Non-Modification Service Bulletin (NMSB) TRENT XWB 72-AJ443 dated 30 August 2016. These engines are known to be installed on, but not limited to, Airbus A350 aeroplanes.														
主旨摘要 Subject	CANCELLED: Engine - Low Pressure Compressor Case Support Inboard Pins, Dowels and Bolts - Inspection / Replacement														
民航局 CAA  <input type="radio"/> 本國產品 Native product  <input type="radio"/> 其他個案 Other	設計國民航主管機構 Original Authority <table><tr><td><input type="radio"/> FAA</td><td><input type="radio"/> Germany LBA</td></tr><tr><td><input checked="" type="radio"/> EASA</td><td><input type="radio"/> CAA-NL</td></tr><tr><td><input type="radio"/> Brazil</td><td><input type="radio"/> UK CAA</td></tr><tr><td><input type="radio"/> Transport Canada Civil Aviation</td><td><input type="radio"/> Japan CAB</td></tr><tr><td><input type="radio"/> DGAC</td><td><input type="radio"/> CAA of Israel</td></tr><tr><td></td><td><input type="radio"/> Other_____</td></tr></table>			<input type="radio"/> FAA	<input type="radio"/> Germany LBA	<input checked="" type="radio"/> EASA	<input type="radio"/> CAA-NL	<input type="radio"/> Brazil	<input type="radio"/> UK CAA	<input type="radio"/> Transport Canada Civil Aviation	<input type="radio"/> Japan CAB	<input type="radio"/> DGAC	<input type="radio"/> CAA of Israel		<input type="radio"/> Other_____
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<input type="radio"/> Brazil	<input type="radio"/> UK CAA														
<input type="radio"/> Transport Canada Civil Aviation	<input type="radio"/> Japan CAB														
<input type="radio"/> DGAC	<input type="radio"/> CAA of Israel														
	<input type="radio"/> Other_____														
	設計國AD編號 Original AD number	2016-0242-CN													
	1. 直接採用原AD之內容? (Is the original AD directly adopted?) <input checked="" type="radio"/> 是(Yes) <input type="radio"/> 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="radio"/> 需要(Yes) <input checked="" type="radio"/> 不需要(No)														
備註 Note	This Notification cancels EASA AD 2016-0242(CAA-2016-12-003) dated 07 December 2016.														

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)2349-6330 / 6332, Fax：(02)2545-8464, [adcaa@mail.caa.gov.tw](mailto: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)2349-6330 / 6332, Fax：(02)2545-8464, [adcaa@mail.caa.gov.tw](mailto:adcaa@mail.caa.gov.tw)



## Airworthiness Directive Cancellation Notice

**AD No.:** 2016-0242-CN

**Issued:** 28 June 2024

Note: This Airworthiness Directive (AD) Cancellation Notice (CN) 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.

**Design Approval Holder's Name:**

ROLLS-ROYCE DEUTSCHLAND Ltd & Co KG

**Type/Model designation(s):**

Trent XWB engines

**Effective Date:** 28 June 2024

**TCDS Number(s):** EASA.E.111

**Foreign AD:** Not applicable

**Cancellation:** This Notification cancels EASA AD 2016-0242 dated 07 December 2016.

### **ATA 72 – CANCELLED: Engine – Low Pressure Compressor Case Support Inboard Pins, Dowels and Bolts – Inspection / Replacement**

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**Manufacturer(s):**

Rolls-Royce plc (RR)

**Applicability:**

RR Trent XWB-75, Trent XWB-79, Trent XWB-79B and Trent XWB-84 engines, serial numbers as listed in Appendix 1 of Alert Non-Modification Service Bulletin (NMSB) TRENT XWB 72-AJ443 dated 30 August 2016.

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:

None.

**Reason:**

It has been established that a certain population of low pressure (LP) compressor case support pins and hollow dowels have insufficient material properties and do not meet specification requirements.

This condition, if not corrected, could result in loss of core to fan case concentricity, LP compressor blade rubs and possible blade release, or engine under cowl fire.



To address this unsafe condition, RR published Alert NMSB TRENT XWB 72-AJ443 to provide instructions to inspect and replace the affected non-conforming components. Prompted by this development, EASA issued AD 2016-0242 to require a one-time on-wing or in-shop visual identification of LP compressor case support inboard pins, replacement of certain pins, and replacement of the affected outboard hollow dowels, nuts and bolts.

Since that AD was issued RR confirmed that all the affected engine population was inspected and, depending on findings corrected, and that the addressed unsafe condition does not exist anymore.

For the reasons described above, this Notice cancels EASA AD 2016-0242.

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

None.

**Ref. Publications:**

RR Alert NMSB TRENT XWB 72-AJ443 original issue dated 30 August 2016.

**Remarks:**

1. This AD-CN was posted on 29 May 2024 as PAD 24-059-CN for consultation until 26 June 2024. No comments were received during the consultation period.
2. Enquiries regarding this AD-CN should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu).
3. For any question concerning the technical content of the requirements in this AD-CN, 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 [http://www.rolls-royce.com/contact/civil\\_team.jsp](http://www.rolls-royce.com/contact/civil_team.jsp) identifying the correspondence as being related to **Airworthiness Directives**.

