



## 適航指令發布單

### Airworthiness Directive Issuance Form

民航局 AD 編號 AD number	CAA-2018-05-011A	發布日期 Date issued	2018/6/5
適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable)	Airbus A350-941 aeroplanes, all manufacturer serial numbers, except those on which Airbus modification (mod) 111435 or mod 111440 has been embodied in production.		
主旨摘要	Water/Waste - Forward Fuselage Shrouded Pipe T-Boxes and Clamps - Replacement		
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 <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> FAA  <input checked="" type="checkbox"/> EASA  <input type="checkbox"/> Brazil  <input type="checkbox"/> Transport Canada Civil Aviation  <input type="checkbox"/> DGAC             </div> <div> <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 _____             </div> </div>		
	設計國 AD 編號 Original AD number	2018-0111R1	
	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 38. this AD is to substitute 2018-0111(CAA-2018-05-011) Ref. Publications: Airbus SB A350-38-P004 original issue, dated 11 April 2018.		
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： <a href="mailto:adcaa@mail.caa.gov.tw">adcaa@mail.caa.gov.tw</a> 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： <a href="mailto:adcaa@mail.caa.gov.tw">adcaa@mail.caa.gov.tw</a>			



## Airworthiness Directive

**AD No.:** 2018-0111R1

**Issued:** 30 May 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

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

A350 aeroplanes

**Effective Date:** 31 May 2018 (same as original issue)

**TCDS Number(s):** EASA.A.151

**Foreign AD:** Not applicable

**Supersedure:** None

### ATA 38 – Water/Waste – Forward Fuselage Shrouded Pipe T-Boxes and Clamps – Replacement

**Manufacturer(s):**

Airbus

**Applicability:**

Airbus A350-941 aeroplanes, all manufacturer serial numbers, except those on which Airbus modification (mod) 111435 or mod 111440 has been embodied in production.

**Definitions:**

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

**The SB:** Airbus Service Bulletin (SB) A350-38-P004.

**Reason:**

During a pressure test on the A350 Final Assembly Line (FAL), leakage was observed on the potable water system shrouded pipes, due to a crack failure on the T-Boxes. Leakage of a primary pipe may cause water ingress into the avionics bay. Additionally, during another pressure proof test on the A350 FAL, loss of torque was detected on the clamps used to attach the shrouded pipes on the T-Boxes.

This condition, if not corrected, could lead to loss of systems/equipment located inside the avionics bay, possibly resulting in an unsafe condition.



Prompted by these findings, Airbus developed improved potable water T-Boxes and clamps, which are embodied in production through Airbus mod 111435 or mod 111440, and introduced in service through the SB.

For the reasons described above, this AD requires replacement of the affected potable water shrouded pipe T-Boxes and clamps with new parts.

This AD was revised to exclude post-mod 111440 aeroplanes from the Applicability.

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

Required as indicated, unless accomplished previously:

#### **Modification:**

Within 36 months after the effective date of this AD, replace the affected potable water T-Boxes and clamps with new parts in accordance with the instructions of the SB.

#### **Ref. Publications:**

Airbus SB A350-38-P004 original issue, dated 11 April 2018.

The use of later approved revisions of the above-mentioned 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. The original issue of this AD was posted on 30 April 2018 as PAD 18-064 for consultation until 14 May 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](mailto: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 AIRBUS XWB - E-mail: [continued-airworthiness.a350@airbus.com](mailto:continued-airworthiness.a350@airbus.com).

