



### 適航指令發布單

## Airworthiness Directive Issuance Form

民航局 AD 編號 AD number	CAA-2019-04-002	發布日期 Date issued	2019/4/9
適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable)	Airbus A320-251N, A320-271N, A321-251N, A321-253N, A321-271N and A321-272N aeroplanes, manufacturer serial numbers 7195, 7249, 7277, 7283, 7290, 7291, 7309, 7321, 7323, 7341, 7352, 7354, 7359, 7367, 7380, 7386, 7387, 7399, 7409, 7417, 7429, 7459, 7466, 7472, 7475, 7484, 7486, 7489, 7494, 7499, 7504, 7505, 7507, 7508, 7510, 7512, 7514, 7517, 7521, 7523, 7526, 7533, 7535, 7538, 7540, 7547, 7553, 7554, 7555, 7559, 7560, 7563, 7565, 7567, 7568, 7571, 7576, 7577, 7579, 7581, 7587, 7588, 7589, 7591, 7594, 7600, 7602, 7603, 7606, 7612, 7616, 7618, 7626, 7629, 7638, 7639, 7642, 7648, 7649, 7662, 7663, 7671, 7676, 7677, 7682, 7688, 7694, 7697, 7698, 7703, 7705, 7710, 7719, 7721, 7723, 7727, 7731, 7733, 7735, 7737, 7744, 7746, 7751, 7753, 7755, 7764, 7795, 7804, 7812, 7813, 7839, 7842, 7844, 7848, 7859, 7864, 7881, 7892, 7899, 7912 and 7917.		
主旨摘要	Fire Protection - Pipe Connections - Re-torque		
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	2019-0081	
	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 26. Ref. Publications: Airbus SB A320-26-1113 original issue dated 10 December 2018. and Airbus SB A320-26-1114 original issue dated 10 December 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.:** 2019-0081

**Issued:** 03 April 2019

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:

AIRBUS

### Type/Model designation(s):

A320 and A321 aeroplanes

**Effective Date:** 17 April 2019

**TCDS Number(s):** EASA.A.064

**Foreign AD:** Not applicable

**Supersedure:** None

## ATA 26 – Fire Protection – Pipe Connections – Re-torque

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### Manufacturer(s):

Airbus, formerly Airbus Industrie

### Applicability:

Airbus A320-251N, A320-271N, A321-251N, A321-253N, A321-271N and A321-272N aeroplanes, manufacturer serial numbers 7195, 7249, 7277, 7283, 7290, 7291, 7309, 7321, 7323, 7341, 7352, 7354, 7359, 7367, 7380, 7386, 7387, 7399, 7409, 7417, 7429, 7459, 7466, 7472, 7475, 7484, 7486, 7489, 7494, 7499, 7504, 7505, 7507, 7508, 7510, 7512, 7514, 7517, 7521, 7523, 7526, 7533, 7535, 7538, 7540, 7547, 7553, 7554, 7555, 7559, 7560, 7563, 7565, 7567, 7568, 7571, 7576, 7577, 7579, 7581, 7587, 7588, 7589, 7591, 7594, 7600, 7602, 7603, 7606, 7612, 7616, 7618, 7626, 7629, 7638, 7639, 7642, 7648, 7649, 7662, 7663, 7671, 7676, 7677, 7682, 7688, 7694, 7697, 7698, 7703, 7705, 7710, 7719, 7721, 7723, 7727, 7731, 7733, 7735, 7737, 7744, 7746, 7751, 7753, 7755, 7764, 7795, 7804, 7812, 7813, 7839, 7842, 7844, 7848, 7859, 7864, 7881, 7892, 7899, 7912 and 7917.

### Definitions:

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

**The applicable SB:** Airbus Service Bulletin (SB) A320-26-1113 or SB A320-26-1114, as applicable.

**Affected connection:** Pipe connections as identified in the applicable SB.



**Aeroplane date of manufacture:** The date of transfer of title (ownership) which is referenced in Airbus documentation at the time of first delivery to an operator.

**Correct torque value:** Torque value within the range of correct value (inclusive) as specified in Table 1 of this AD, as applicable.

**Reason:**

During periodic calibration check, some torquing tools used on the final assembly line have been found out-of-tolerance. The subsequent investigation determined that connections of sense and fire extinguishing lines within the pylon area have been under-torqued on a group of aeroplanes.

This condition, if not corrected, could lead to leaks or disconnections of those lines, possibly resulting in reduced engine control and/or reduced safety margin in case of engine fire.

To address this potential unsafe condition, Airbus issued the applicable SB, providing instructions to restore the correct torque value of those affected connections.

For the reason described above, this AD requires re-torquing to the correct value the affected connections.

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

Required as indicated, unless accomplished previously:

**Re-torque:**

Within 24 months after the aeroplane date of manufacture, or within 3 months after the effective date of this AD, whichever occurs later, re-torque each affected connection to a correct torque value in accordance with the instructions of the applicable SB.

Table 1 – Correct torque value (see Note 1 of this AD)

Nominal value, as listed in the applicable SB	Range of correct value
7.90 Nm	7.90 Nm +/- 0.6 Nm
16 Nm	16 Nm +/- 1 Nm
90 Nm	90 Nm +/- 5 Nm

Note 1: Airbus SB A320-26-1113 provides instructions to re-torque certain affected connection to 9.40 Nm, whilst the correct value is 7.90 Nm. A revision of this SB is expected to be issued, including the amended torque value.

**Ref. Publications:**

Airbus SB A320-26-1113 original issue dated 10 December 2018.

Airbus SB A320-26-1114 original issue dated 10 December 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. This AD was posted on 05 March 2019 as PAD 19-033 for consultation until 02 April 2019. No comments were received during the consultation period.
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](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 – Airworthiness Office – EIAS; Fax +33 5 61 93 44 51; E-mail: [account.airworth-eas@airbus.com](mailto:account.airworth-eas@airbus.com).

