



適航指令發布單

Airworthiness Directive Issuance Form

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|---|--|---------------------|-----------|
| 民航局 AD 編號 AD number | CAA-2018-11-015 | 發布日期 Date issued | 2018/12/5 |
| 適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable) | Airbus A320-214, A320-232, A320-233, A321-211 and A321-231 aeroplanes, manufacturer serial numbers (MSN) 6845, 6852, 6861, 6867, 6871, 6875, 6877, 6879, 6880, 6883, 6884, 6885, 6888, 6891, 6892, 6894, 6895, 6896, 6897, 6898, 6899, 6902, 6903, 6905, 6906, 6908, 6910, 6912, 6915, 6916, 6917, 6918, 6919, 6922, 6924 and 6926. | | |
| 主旨摘要 | Hydraulic Power - Ram Air Turbine Actuator - 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 style="width: 48%;"> <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 style="width: 48%;"> <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 | 2018-0256 | |
| | 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 29. Ref. Publications: Airbus SB A320-29-1175 original issue dated 11 October 2016, or Revision 01 dated 16 February 2018. and Hamilton Sundstrand SB ERPS08A-29-6 original issue dated 29 August 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)2349-6331~3, 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.: 2018-0256

Issued: 28 November 2018

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: 12 December 2018

TCDS Number(s): EASA.A.064

Foreign AD: Not applicable

Supersedure: None

ATA 29 – Hydraulic Power – Ram Air Turbine Actuator – Replacement

Manufacturer(s):

Airbus, formerly Airbus Industrie

Applicability:

Airbus A320-214, A320-232, A320-233, A321-211 and A321-231 aeroplanes, manufacturer serial numbers (MSN) 6845, 6852, 6861, 6867, 6871, 6875, 6877, 6879, 6880, 6883, 6884, 6885, 6888, 6891, 6892, 6894, 6895, 6896, 6897, 6898, 6899, 6902, 6903, 6905, 6906, 6908, 6910, 6912, 6915, 6916, 6917, 6918, 6919, 6922, 6924 and 6926.

Definitions:

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

The SB: Airbus Service Bulletin (SB) A320-29-1175 Revision 01 dated 16 February 2018.

The repair SB: Hamilton Sundstrand SB ERPS08A-29-6.

Affected part: Ram Air Turbine (RAT) actuators, having Part Number (P/N) 764711C and listed by serial number (s/n) in Appendix 1 of the AD, except those which have been repaired and reidentified in accordance with the repair SB.

Serviceable part: RAT actuators which are not affected part.



Reason:

During acceptance test of a RAT actuator P/N 764711C at the manufacturer's facility, it failed to extend. Investigation results revealed that the actuator outer cylinder had not been properly de-burred in accordance with the manufacturing specifications. This caused blockage of the hydraulic circuit by metallic parts, preventing the RAT from extending.

This condition, if not corrected, could lead to failure of RAT deployment when required, possibly resulting in reduced control of the aeroplane.

To address this potential unsafe condition, Airbus issued the SB, identifying the affected parts and providing instructions for replacement, and Hamilton Sundstrand, manufacturer of the RAT actuator, issued the repair SB providing instructions for repair and reidentification.

For the reasons described above, this AD requires replacement of the affected parts with serviceable parts.

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

Required as indicated, unless accomplished previously:

Replacement:

- (1) Within 3 months after the effective date of this AD, replace the affected part with a serviceable part in accordance with the instructions of the SB.

Credit:

- (2) Replacement on an aeroplane of an affected part with a serviceable part in accordance with the instructions of the applicable Aircraft Maintenance Manual is an acceptable method to comply with the requirements of paragraph (1) of this AD for that aeroplane.
- (3) Replacement of an affected part, accomplished before the effective date of this AD in accordance with the instructions of Airbus SB A320-29-1175 at original issue, is an acceptable method to comply with the requirements of paragraph (1) of this AD.

Reporting:

- (4) Within 30 days after replacement of an affected part as required by paragraph (1) of this AD, or as specified in paragraphs (2) or (3) of this AD, as applicable, or within 30 days after the effective date of this AD, whichever occurs later, report that action to Airbus. This can be done in accordance with the instructions of the SB.

Ref. Publications:

Airbus SB A320-29-1175 original issue dated 11 October 2016, or Revision 01 dated 16 February 2018.

Hamilton Sundstrand SB ERPS08A-29-6 original issue dated 29 August 2016.

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 22 October 2018 as PAD 18-142 for consultation until 19 November 2018. 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 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: AIRBUS – Airworthiness Office – EIAS; Fax +33 5 61 93 44 51; E-mail: account.airworth-eas@airbus.com.



Appendix 1

| Affected RAT actuator P/N 764711C | | | |
|--|-----------------------------|--------------------------|-----------------------------|
| Aeroplane MSN | RAT actuator s/n | Aeroplane MSN | RAT actuator s/n |
| 6845 | 6770 | 6897 | 6801 |
| 6852 | 6771 | 6898 | 6788 |
| 6861 | 6769 | 6899 | 6805 |
| 6867 | 6819 | 6902 | 6808 |
| 6871 | 6767 | 6903 | 6818 |
| 6875 | 6779 | 6905 | 6823 |
| 6877 | 6784 | 6906 | 6804 |
| 6879 | 6782 | 6908 | 6814 |
| 6880 | 6787 | 6910 | 6799 |
| 6883 | 6775 | 6912 | 6820 |
| 6884 | 6778 | 6915 | 6806 |
| 6885 | 6794 | 6916 | 6812 |
| 6888 | 6793 | 6917 | 6780 |
| 6891 | 6785 | 6918 | 6826 |
| 6892 | 6792 | 6919 | 6783 |
| 6894 | 6798 | 6922 | 6791 |
| 6895 | 6797 | 6924 | 6822 |
| 6896 | 6777 | 6926 | 6831 |

