



Notification of a Proposal to issue an Airworthiness Directive

PAD No.: 18-142

Issued: 22 October 2018

Note: This Proposed Airworthiness Directive (PAD) 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.

In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the issuance of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below.

All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation date indicated.

Design Approval Holder's Name:

Airbus

Type/Model designation(s):

A320 and A321 aeroplanes

Effective Date: [TBD - standard: 14 days after AD issue date]

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 Sunstrand 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 01 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), (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 ERPS08-A-29-6 original issue dated 29 August 2016.



The use of later approved revisions of the above-mentioned document is acceptable for compliance with the requirements of this AD.

Remarks:

1. This Proposed AD will be closed for consultation on 19 November 2018.
2. Enquiries regarding this PAD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
3. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this PAD, and which may occur, or have occurred on a product, part or appliance not affected by this PAD, can be reported to the [EU aviation safety reporting system](#).
4. For any question concerning the technical content of the requirements in this PAD, 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

