



## Notification of a proposal to issue an Airworthiness Directive

**PAD No.: 16-155**

**Issued: 07 November 2016**

Note: This Proposed Airworthiness Directive (PAD) 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.

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):**

A318, A319, 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:** This AD supersedes EASA AD 2016-0069 dated 11 April 2016.

### ATA 71 – Power Plant – CFM56 Engines Fan Cowl Door Latch with Key and Flag – Modification

#### Manufacturer(s):

Airbus (formerly Airbus Industrie)

#### Applicability:

Airbus A318-111, A318-112, A319-111, A319-112, A319-113, A319-114, A319-115, A320-211, A320-212, A320-214, A320-215, A320-216, A321-111, A321-112, A321-211, A321-212, and A321-213 aeroplanes, all manufacturer serial numbers.

#### Reason:

Fan Cowl Door (FCD) losses were reported on aeroplanes equipped with CFM56 engines. Investigation results confirmed that in all cases the fan cowls were opened prior to the flight and were not correctly re-secured. During the pre-flight inspection, it was then not detected that the FCD were not properly latched.

This condition, if not detected and corrected, could lead to in-flight loss of a FCD, possibly resulting in damage to the aeroplane and/or injury to persons on the ground.



Prompted by these events, new FCD front latch and keeper assembly were developed, having a specific key necessary to un-latch the FCD. This key cannot be removed unless the FCD front latch is safely closed. The key, after removal, must be stowed in the flight deck at a specific location, as instructed in the applicable Aircraft Maintenance Manual. Applicable Flight Crew Operating Manuals have been amended accordingly. After modification, the FCD is identified with a different Part Number (P/N). Airbus issued Service Bulletin (SB) A320-71-1068 to provide the modification instructions. Consequently, EASA issued AD 2016-0069 to require modification and re-identification of FCD.

After that AD was published, FCD P/N 238-0301-509 was identified as missing in the list of affected FCD P/N provided in the AD.

For the reasons described above, this AD retains the requirement of EASA AD 2016-0069, which is superseded, and expands the list of affected FCD P/N.

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

Required as indicated, unless accomplished previously:

Note 1: For the purpose of this AD, Group 1 are aeroplanes that, on the effective date of this AD, have FCD installed with a P/N identified as “old” in Table 1, Table 2, or Table 3 of this AD. Group 2 are aeroplanes that, on the effective date of this AD, have only FCD installed with a P/N identified as “new” in Table 1, Table 2, or Table 3 of this AD.

- (1) Within 35 months after 25 April 2016 [the effective date of EASA AD 2016-0069], accomplish concurrently the actions as required by paragraphs (1.1), (1.2) and (1.3) of this AD, in accordance with the instructions of Airbus SB A320-71-1068.

(1.1) Modify the left hand (LH) and right hand (RH) sides FCD on both engines.

(1.2) Install a placard on the box located at the bottom of the 120 VU panel, or at the bottom of the coat stowage, as applicable to aeroplane configuration.

(1.3) Re-identify both FCD with the new P/N, as applicable, as specified in Table 1 and Table 2 (CFM56A) or Table 3 (CFM56B) of this AD.

Table 1 – Fan Cowl Door LH Side P/N Change – CFM56-5A Engines

Old P/N	New P/N	Old P/N	New P/N
238-0301-501	238M0301-501	238-0301-517	238M0301-517
238-0301-503	238M0301-503	238-0301-519	238M0301-519
238-0301-505	238M0301-505	238-0301-521	238M0301-521
238-0301-507	238M0301-507	238-0301-523	238M0301-523
238-0301-509	238M0301-509	238-0301-525	238M0301-525
238-0301-511	238M0301-511	238-0301-527	238M0301-527
238-0301-513	238M0301-513	238-0301-529	238-0301-533
238-0301-515	238M0301-515	238-0301-531	238-0301-535



Table 2 – Fan Cowl Door RH Side P/N Change – CFM56-5A Engines

Old P/N	New P/N	Old P/N	New P/N
238-0302-501	238M0302-501	238-0302-525	238M0302-525
238-0302-503	238M0302-503	238-0302-527	238M0302-527
238-0302-505	238M0302-505	238-0302-529	238M0302-529
238-0302-509	238M0302-509	238-0302-531	238M0302-531
238-0302-511	238M0302-511	238-0302-533	238M0302-533
238-0302-513	238M0302-513	238-0302-535	238M0302-535
238-0302-515	238M0302-515	238-0302-537	238M0302-537
238-0302-517	238M0302-517	238-0302-539	238-0302-547
238-0302-519	238M0302-519	238-0302-541	238-0302-549
238-0302-521	238M0302-521	238-0302-543	238-0302-551
238-0302-523	238M0302-523	238-0302-545	238-0302-553

Table 3 – Fan Cowl Door P/N Change – CFM56-5B Engines

Door Position	Old P/N	New P/N
LH Side	642-3001-503	642M3001-503
	642-3001-505	642M3001-505
	642-3001-507	642-3001-511
	642-3001-509	642-3001-513
RH Side	642-3002-503	642M3002-503
	642-3002-505	642M3002-505
	642-3002-507	642M3002-507
	642-3002-509	642M3002-509
	642-3002-511	642-3002-519
	642-3002-513	642-3002-521
	642-3002-515	642-3002-523
	642-3002-517	642-3002-525

- (2) Replacing the FCDs, having a P/N listed as “old” in Table 1 or Table 2 or table 3 of this AD, as applicable, on an aeroplane with FCDs having the corresponding P/N listed as “new” in Table 1 or Table 2 or table 3 of this AD, is equal to compliance with paragraphs (1.1) and (1.3) of this AD for that aeroplane.
- (3) An aeroplane on which Airbus modification (mod) 157517 has been embodied in production, is compliant with the requirements of paragraphs (1.1) and (1.3) of this AD, provided it is determined, on the effective date of the AD, that no FCD, having a P/N identified as “old” in Table 1, Table 2 or Table 3 of this AD, as applicable, is installed on that aeroplane.
- (4) An aeroplane on which Airbus mod 157519 or mod 157521 has been embodied in production is compliant with the requirements of paragraph (1.2) of this AD.



- (5) Do not install on any aeroplane a FCD, having a P/N identified as “old” in Table 1 of this AD, as required by paragraph (5.1) or (5.2) of this AD, as applicable.
- (5.1) Group 1 aeroplanes (see Note 1 of this AD): After modification of that aeroplane as required by paragraph (1) of this AD.
- (5.2) Group 2 aeroplanes (see Note 1 of this AD): From the effective date of this AD.
- (6) Installation on an aeroplane of RH and LH FCD, having a P/N approved after the effective date of this AD, is equal to compliance with the requirements of paragraphs (1.1) and (1.3) of this AD for that aeroplane, provided the conditions as specified in paragraphs (6.1) and (6.2) of this AD are met.
- (6.1) The P/N must be approved by EASA, or approved under Airbus Design Organisation Approval (DOA).
- (6.2) The installation must be accomplished in accordance with aeroplane modification instructions approved by EASA, or approved under Airbus DOA.

**Ref. Publications:**

Airbus SB A320-71-1068 original issue dated 18 December 2015, or Revision 01, dated 28 April 2016.

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

**Remarks:**

1. This Proposed AD will be closed for consultation on 05 December 2016.
2. Enquiries regarding this PAD 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 PAD, 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).

