



## 適航指令發布單

### Airworthiness Directive Issuance Form

民航局 AD 編號 AD number	CAA-2021-04-016A	發布日期 Date issued	2021/7/9
適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable)	Airbus A318-111, A318-112, A318-121, A318-122, A319-111, A319-112, A319-113, A319-114, A319-115, A319-131, A319-132, A319-133, A319-151N, A319-153N, A319-171N, A320-211, A320-212, A320-214, A320-215, A320-216, A320-231, A320-232, A320-233, A320-251N, A320-252N, A320-253N, A320-271N, A320-272N, A320-273N, A321-111, A321-112, A321-131, A321-211, A321-212, A321-213, A321-231, A321-232, A321-251N, A321-251NX, A321-252N, A321-252NX, A321-253N, A321-253NX, A321-271N, A321-271NX, A321-272N and A321-272NX aeroplanes, all manufacturer serial numbers.		
主旨摘要	Fuel - Pumps - 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	2021-0115R1	
	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) : _____ <input type="checkbox"/>		
	2. 使用人是否需要將 AD 執行結果向民航局提出報告?(Do <input type="checkbox"/> 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	This AD revises EASA Emergency AD 2021-0115-E(CAA-2021-04-016 緊急) dated 23 April 2021.		
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.:** 2021-0115R1

**Issued:** 05 July 2021

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):

A318, A319, A320 and A321 aeroplanes

**Effective Date:** Revision 1: 12 July 2021  
Original issue: 27 April 2021

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

**Foreign AD:** Not applicable

**Revision:** This AD revises EASA Emergency AD 2021-0115-E dated 23 April 2021.

## ATA 28 – Fuel – Pumps – Replacement

### Manufacturer(s):

Airbus, formerly Airbus Industrie

### Applicability:

Airbus A318-111, A318-112, A318-121, A318-122, A319-111, A319-112, A319-113, A319-114, A319-115, A319-131, A319-132, A319-133, A319-151N, A319-153N, A319-171N, A320-211, A320-212, A320-214, A320-215, A320-216, A320-231, A320-232, A320-233, A320-251N, A320-252N, A320-253N, A320-271N, A320-272N, A320-273N, A321-111, A321-112, A321-131, A321-211, A321-212, A321-213, A321-231, A321-232, A321-251N, A321-251NX, A321-252N, A321-252NX, A321-253N, A321-253NX, A321-271N, A321-271NX, A321-272N and A321-272NX aeroplanes, all manufacturer serial numbers.

### Definitions:

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

**Affected part:** Fuel pumps, having Part Number (P/N) P99C38-605 and a serial number (s/n) as listed in Appendix 1 of this AD, except those which passed an inspection in accordance with the instructions of the SB (marked with a 'C' letter on the identification plate).

**Serviceable part:** Fuel pumps, eligible for installation, which are not an affected part.



**The AOT:** Airbus Alert Operators Transmission (AOT) A28N009-21.

**The SB:** SAFRAN Service Bulletin (SB) P99C38-28-004.

**Groups:** Group 1 aeroplanes are those that have an affected part installed.

Group 2 aeroplanes are those that do not have an affected part installed. An aeroplane that has a date of manufacture after 30 June 2015 is Group 2, provided that no affected part has been installed on that aeroplane since its date of manufacture.

**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.

#### Reason:

Following the identification of a potential quality issue on an affected part, the locking key of the impeller drive shaft was found loose in the cavity under the impeller.

This condition, if not corrected, could, in case of operating a pump while not fully immersed in fuel, create an ignition source in the fuel tank, possibly resulting in a fuel tank explosion and consequent loss of the aeroplane.

To address this potential unsafe condition, Airbus identified the list of parts, possibly affected by the same manufacturing issue, and issued AOT A28N009-21, original issue, to provide fuel pump replacement instructions. Consequently, EASA issued Emergency AD 2021-0115-E to require the replacement of affected parts, to prohibit their (re)installation and to prohibit certain maintenance-related actions, pending replacement of those affected parts.

Since that AD was issued, Airbus revised the AOT, now at Revision 01, to include reference to the SB, providing instructions for inspection of affected parts. This AD is revised to amend the definition of affected part.

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

Required as indicated, unless accomplished previously:

#### Part(s) Replacement:

- (1) For Group 1 aeroplanes: Within 10 days or 50 flight cycles after 27 April 2021 [the effective date of the original issue of this AD], whichever occurs later, replace any affected part with a serviceable part in accordance with the instructions of the AOT.
- (2) For Group 1 aeroplanes: For aeroplanes having only one affected part installed, replacement of that affected part as required by paragraph (1) of this AD can be deferred in accordance with, and within the compliance time as identified in, instructions to deactivate that affected part approved by Airbus DOA, supplementing the instructions of the AOT.

#### Maintenance-related Action(s):

- (3) For Group 1 aeroplanes: From 27 April 2021 [the effective date of the original issue of this AD], do not accomplish maintenance actions that require the use of affected parts, such as engine ground runs, fuel transfer, defueling, or taxiing. Following replacement of all affected parts on



an aeroplane, as required by paragraph (1) of this AD, that aeroplane is effectively a Group 2 and this limitation is no longer applicable.

**Part(s) Installation:**

- (4) For Group 1 and Group 2 aeroplanes: From 27 April 2021 [the effective date of the original issue of this AD], do not install an affected part on any aeroplane.

**Ref. Publications:**

Airbus AOT A28N009-21 original issue dated 19 April 2021, and Revision 01 dated 04 May 2021.

SAFRAN SB P99C38-28-004 original issue dated 27 April 2021, or Revision 01 dated 25 June 2021.

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. Based on the required actions and the compliance time, EASA have decided to issue a Final AD with Request for Comments, postponing the public consultation process until after publication.
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](#). This may include reporting on the same or similar components, other than those covered by the design to which this AD applies, if the same unsafe condition can exist or may develop on an aircraft with those components installed. Such components may be installed under an FAA Parts Manufacturer Approval (PMA), Supplemental Type Certificate (STC) or other modification.
5. For any question concerning the technical content of the requirements in this AD, please contact: AIRBUS – Airworthiness Office – IIASA; E-mail: [account.airworth-eas@airbus.com](mailto:account.airworth-eas@airbus.com).



## Appendix 1 – Affected Parts (see definition of affected part)

Fuel Pumps P/N P99C38-605 – s/n						
H50059	<del>H66994</del>	<del>H72260</del>	H72500	K00845	<del>K09452*</del>	<del>K19824*</del>
H50061	<del>H66995</del>	<del>H72261</del>	H72501	K00846	K09453	<del>K19825*</del>
H50062	<del>H66996</del>	<del>H72262</del>	H72502	K00847	K13711	<del>K19826*</del>
H50063	H66997	<del>H72263</del>	H72503	K00848	K13712	<del>K21411*</del>
H53017	<del>H66998</del>	<del>H72264</del>	H72504	K00849	K13713	<del>K21412*</del>
H53362	<del>H66999</del>	<del>H72265</del>	H72505	K00850	K13714	K23115
H53363	<del>H67000</del>	<del>H72266</del>	H72506	K00851	K13715	K23116
H53364	<del>H67001</del>	<del>H72267</del>	H72507	K01670	K13716	K23117
H57847	<del>H67002</del>	<del>H72486</del>	H72508	K01671	K13849	<del>K23118*</del>
H57848	H67488	<del>H72487</del>	H88872	K01672	K13850	K23119
H57849	<del>H67489</del>	<del>H72488</del>	H96367	K01673	K13851	K23120
H59019	H67490	<del>H72489</del>	H96368	K01674	K13852	K23121
H59021	<del>H67491</del>	<del>H72490</del>	H96369	K01675	K13853	K29152
H59022	<del>H67492</del>	<del>H72491</del>	H96370	K07782	K16647	K29153
H65788	<del>H67983</del>	<del>H72492</del>	H96371	<del>K07783</del>	<del>K16648*</del>	K29154
H66983	H67984	<del>H72493</del>	H96372	K08107	K16649	K29155
H66985	H67985	<del>H72494</del>	H96373	K08108	<del>K16650*</del>	K29156
H66986	H67986	<del>H72495</del>	H96374	K08109	K16651	K29157
H66990	H67987	<del>H72496</del>	H96375	K08110	<del>K16652*</del>	K29158
H66991	<del>H72257</del>	<del>H72497</del>	H96376	K09449	<del>K16653*</del>	K47233
H66992	<del>H72258</del>	<del>H72498</del>	H96377	K09450	K16655	K47234
<del>H66993</del>	<del>H72259</del>	H72499	H96378	K09451	<del>K16656*</del>	K53212
22357						

Note 1: Fuel pumps listed in Appendix 1 of this AD, having a strikethrough s/n, were initially listed in the original issue of the AOT, but later have been determined not to be affected parts. The AOT and the VSB both at Revision 01 have been updated accordingly.

\*: pump checked through x-ray and marked in Safran facility prior delivery.

