



Airworthiness Directive

AD No.: 2016-0071

Issued: 11 April 2016

Note: This Airworthiness Directive (AD) 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.

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 (EC) 216/2008, Article 14(4) exemption].

Design Approval Holder's Name:

EADS-CASA

Type/Model designation(s):

CN-235 and C-295 aeroplanes

Effective Date: 25 April 2016

TCDS Number(s): EASA.A.186

Foreign AD: Not applicable

Supersedure: None

ATA 28 – Fuel – Motorised Fuel Valve – Inspection

Manufacturer(s):

EADS-CASA, formerly Construcciones Aeronáuticas S.A. (CASA)

Applicability:

CN-235, CN-235-100, CN-235-200, CN-235-300 and C-295 aeroplanes, all manufacturer serial numbers.

Reason:

Leakage of a motorised cross-feed fuel valve Part Number (P/N) 7923227F was reported on a CN-235-100M aeroplane. The leakage was observed through the valve electrical connectors and detected during accomplishment of a functional check in accordance with the CN-235 aeroplane Maintenance Review Board Report (MRB-PV01M), task 28.007. Identical motorised fuel valves are installed on CN-235 and C-295 aeroplanes, corresponding to civil type design, as cross-feed, shut-off and defueling valves, as applicable to aeroplane model and configuration.

This condition, if not detected and corrected, could lead to failure of a motorised fuel valve and consequent improper fuel system functioning or, in case of the presence of an ignition source, possibly resulting in an aeroplane fire.



To address this potentially unsafe condition, Airbus Defence & Space (D&S) issued Alert Operators Transmission (AOT)-CN235-28-0001 and AOT-C295-28-0001 to provide inspection instructions.

For the reasons described above, this AD requires an inspection of the affected motorised fuel valves and, depending on findings, accomplishment of applicable corrective action(s).

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

Required as indicated, unless accomplished previously:

- (1) Within the compliance time defined in Table 1 of this AD, as applicable, inspect each (see Note) motorised fuel valve P/N 7923227F in accordance with the instructions of EADS-CASA AOT-CN235-28-0001 or AOT-C295-28-0001, as applicable.

Note: Motorised fuel valves P/N 7923227F are used on an aeroplane as cross-feed, shut-off and defueling valves, as applicable to aeroplane model and configuration.

Table 1 – Motorised fuel valve P/N 7923227F inspection

Accumulated Service Life (on the effective date of this AD)	Compliance Time (after the effective date of this AD)
6 000 flight cycles (FC) or more	30 FC or 30 days, whichever occurs first
Less than 6 000 FC	400 flight hours

- (2) If during the inspection, as required by paragraph (1) of this AD, any leaking motorised fuel valve P/N 7923227F is detected, before next flight, replace the affected fuel valve with a serviceable part in accordance with the instructions of EADS-CASA AOT-CN235-28-0001 or AOT-C295-28-0001, as applicable to aeroplane model.
- (3) From the effective date of this AD, replacement of a motorised fuel valve P/N 7923227F, except with a new part, on an aeroplane is allowed, provided that, within 30 FC or 30 days, whichever occurs first after installation, the part passes an inspection in accordance with the instructions of EADS-CASA AOT-CN235-28-0001 or AOT-C295-28-0001, as applicable.
- (4) Within 60 days after the inspection as required by paragraph (1) of this AD, report the inspection results to EADS-CASA.

Ref. Publications:

EADS-CASA AOT-CN235-28-0001 original issue, dated 19 February 2016.

EADS-CASA AOT-C295-28-0001 original issue, dated 19 February 2016.

The use of later approved revisions of these 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 11 March 2016 as PAD 16-037 for consultation until 08 April 2016. No comments were received during the consultation period.
3. Enquiries regarding this AD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
4. For any question concerning the technical content of the requirements in this AD, please contact: Airbus Defence and Space, Services / Engineering Support, Fax: +34 91 585 3127, E-mail: MTA.TechnicalService@airbus.com.

For US operators, contact alternatively:

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