



Airworthiness Directive

AD No.: 2019-0096

Issued: 30 April 2019

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:

328 SUPPORT SERVICES GmbH

Type/Model designation(s):

Dornier 328-100 aeroplanes

Effective Date: 14 May 2019

TCDS Number(s): EASA.A.096

Foreign AD: Not applicable

Supersedure: This AD supersedes Luftfahrt-Bundesamt (LBA) Germany AD 97-328 dated 20 November 1997.

ATA 57 – Wings – Landing Flap Support Arms – Inspection

Manufacturer(s):

Dornier Luftfahrt GmbH, Fairchild-Dornier GmbH, AvCraft Aerospace GmbH

Applicability:

Dornier 328-100 aeroplanes, serial number (s/n) 3032 to 3086 inclusive.

Definitions:

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

The ASB: 328 Support Services GmbH (328 SSG) Alert Service Bulletin ASB-328-57-044.

The SB: Fairchild-Dornier Service Bulletin (SB) SB-328-57-239.

Groups: Group 1 aeroplanes are those with s/n 3064 to 3086 inclusive.

Group 2 aeroplanes are those with s/n 3032 to 3063 inclusive.

Reason:

Missing rivets on landing flap support arm 2 were noticed by Dornier Fairchild Quality Assurance. The landing flap support arm manufacturer did not install the rivets on flap arms installed on Group 1 aeroplanes.



This condition, if not detected and corrected, could lead to the loss of one of two load paths, reducing the fatigue life of the affected flap arms.

To address this unsafe condition, Fairchild-Dornier issued the SB to provide modification instructions for certain aeroplanes and, consequently, LBA Germany issued AD 97-328 to require installation of two fasteners on the affected landing flap arms.

Since that AD was issued, during a scheduled maintenance inspection of a Group 2 aeroplane (not affected by the LBA AD), missing rivets were identified, indicating that some Group 2 aeroplanes may not have been retrofitted during production.

For the reasons described above, this AD retains the requirements of LBA Germany AD 97-328, which is superseded, requires a one-time inspection of Group 2 aeroplanes and, depending on findings, installation of two fasteners on the flap support arms.

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

Required as indicated, unless accomplished previously:

Inspection(s):

- (1) For Group 1 aeroplanes: Before exceeding 10 000 flight cycles since first flight of the aeroplane, inspect the landing flap support arms in accordance with the instructions of the SB.
- (2) For Group 2 aeroplanes: Within 500 flight hours or 7 months, whichever occurs first after the effective date of this AD, inspect the landing flap arms in accordance with the instructions of the ASB.

Corrective Action(s):

- (3) If, during the inspection as required by paragraph (1) or (2) of this AD, as applicable, any rivets are found missing on a landing flap support arm 2, before next flight, install the missing fastener(s) in accordance with the instructions of the SB.

Ref. Publications:

328 Support Services GmbH ASB-328-57-044 original issue dated 18 February 2019.

Fairchild-Dornier SB-328-57-239 original issue dated 07 July 1997, or 328 Support Services GmbH SB-328-57-239 Revision 1 dated 27 February 2019.

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 26 March 2019 as PAD 19-046 for consultation until 23 April 2019. No comments were received during the consultation period.



3. Enquiries regarding this AD should be referred to the EASA Programming and Continued Airworthiness 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: 328 Support Services GmbH, Postfach 1252, D-82231 Wessling, Federal Republic of Germany, Telephone: +49 (0)8153 88111 6666; Fax: +49 (0)8153 88111 6565, E-mail gsc.op@328support.de.

