



Notification of a Proposal to issue an Airworthiness Directive

PAD No.: 19-046

Issued: 26 March 2019

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:

328 SUPPORT SERVICES GmbH

Type/Model designation(s):

Dornier 328-100 aeroplanes

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

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 loadpaths, 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, and 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 (FH) 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. This Proposed AD will be closed for consultation on 23 April 2019.
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: 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.

