



Airworthiness Directive

AD No.: 2025-0172

Issued: 04 August 2025

Note: 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, or Annex Vb Part ML.A.301, as applicable, 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 Annex Vb Part ML.A.303, as applicable] or agreed with the Authority of the State of Registry [Regulation (EU) 2018/1139, Article 71 exemption].

Design Approval Holder's Name:

General Atomics AeroTec Systems GmbH

Type/Model designation(s):

Dornier 228 aeroplanes

Effective Date: 18 August 2025

TCDS Number(s): EASA.A.359

Foreign AD: Not applicable

Supersedure: None

ATA 29 – Hydraulic Power – Hydraulic Pump Motor – Replacement

Manufacturer(s):

General Atomics AeroTec Systems GmbH (GA-ATS), formerly RUAG Aerospace Services GmbH, Fairchild Dornier GmbH, Dornier Luftfahrt GmbH

Applicability:

Dornier 228-100, Dornier 228-101, Dornier 228-200, Dornier 228-201, Dornier 228-202 and Dornier 228-212 aeroplanes, all serial numbers.

Definitions:

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

Affected part: Hydraulic Pump Motor Part Number (P/N) 1259A.

Improved part: Hydraulic Pump Motor P/N A-752511A00B.

The SB: General Atomics Service Bulletin (SB) SB-228-360.

Reason:

Several occurrences were reported of hydraulic pump motor P/N 1259A severely damaged by excessive heat. It has been determined that the characteristics of carbon brushes P/N 43071L1 are the root cause for those failures.



This condition, if not corrected, could potentially lead to hydraulic pump motor overheat, possibly leading to uncontained fire.

To address this potential unsafe condition, the manufacturer of the brushes introduced new design carbon brushes P/N 7900132, and GA-ATS designed an improved hydraulic pump motor with these brushes installed, P/N A-752511A00B. Consequently, GA-ATS issued Service Information SI-228-103 followed by SB-228-360, providing instructions for replacement of affected parts with improved parts.

For the reason described above, this AD requires replacement of affected parts with improved parts, and prohibits reinstallation of affected parts.

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

Required as indicated by this AD, unless the action(s) required by this AD have been already accomplished:

Replacement:

- (1) Within 200 operational hours of the hydraulic pump motor (for aircraft equipped with hydraulic system elapsed time indicator), or 600 landings (for aircraft not equipped with hydraulic system elapsed time indicator), as applicable, after the effective date of this AD, replace the affected part with an improved part, in accordance with the instructions of the SB.

Parts Installation:

- (2) From the effective date of this AD, do not install an affected part on any aeroplane (see Note 1 of this AD).

Note 1: Removal of an affected part from an aeroplane and subsequent reinstallation of that affected part on the same aeroplane, accomplished during a single maintenance visit, is not considered 'install' as specified in paragraph (2) of this AD.

Ref. Publications:

GA-ATS SB-228-360 revision 0 (original issue) dated 28 May 2025.

The use of later approved revisions of the above-mentioned document 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 June 2025 as PAD 25-092 for consultation until 24 July 2025. 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. 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: General Atomics AeroTec Systems GmbH, Galileostraße 396, D-82131 Gauting, Germany. Phone +49 8153 302280, Fax +49 8153 303030, E-Mail: custsupport.dornier228@ga-ats.com
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