



ASB-328-28-047

Fuel – Inspection of Bonding Straps Inside Fuel Tank

1 PLANNING INFORMATION

Effectivity

Dornier 328-100

Type Certificate Data Sheet EASA.A.096

Serial No.: All

Reason

An operator found worn and ruptured bonding straps in the complete fuel tank area. The root cause analysis identified that the bonding straps failed due to chemical corrosion.

Description

Perform a detailed inspection of the complete wing fuel tank for the condition of bonding straps with appropriate method described within this ASB.

Approval

The technical content of this document is approved under the authority of the DOA ref. EASA.21J.438.

p.p Luis Perez

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It is the operator's responsibility to comply with the relevant aviation regulations of the country in which the aircraft is registered.

Model: Dornier 328-100

Rev. No.: _____

No.: ASB-328-28-047

Rev. Date: _____

Date of Issue: May 25, 2023

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Compliance

Mandatory

Perform inspection at next C- Check or equivalent or within 160 calendar days whichever comes first.

Manpower

Access:	20,0 Mh
Inspection:	3,5 Mh
Close-up:	20,0 Mh
Reporting:	0,5 Mh
Functional checks:	0,0 Mh
Total:	44,0 Mh

Material

None

Special Tools

Work platform, general: GSE No.12.6.07

Weight and Balance

N/A

Electrical Load Data

N/A

References

N/A

Other Publications Affected

N/A

Reporting

Compliance with this Alert Service Bulletin must be reported to Deutsche Aircraft GmbH Global Support Centre with the Compliance Report for Configuration Control.

2 ACCOMPLISHMENT INSTRUCTIONS

CAUTION: Obey the General Maintenance Practices and Safety Precautions

Refer to AMM JIC Chapter 00, in particular:

00-30-10 General Maintenance Practices

00-30-28 Safety Precautions Fuel System

NOTE: Obey SRM Chapter 51-22-00 Sealing – General

NOTE: Obey SRM Chapter 51-40-00 Fasteners

A Preparation

- 1) Make the aircraft safe for maintenance, refer to AMM JIC 00-30-01.
- 2) The aircraft must be defueled, refer to AMM JIC 12-11-40-650-YYY-YYY.
- 3) The access panel 523-AT must be removed, refer to AMM JIC 06-40-02-020-YYY-YYY.
- 4) The leading edge 512-AL, AMM JIC 06-40-02-500-YYY-YYY, and the access panels 522-AT, 522-BT and 522-KZ, AMM JIC 06-40-02-020-YYY-YYY, must be removed.
- 5) The leading edge 511-AL, AMM JIC 06-40-02-500-YYY-YYY, and the access panels 521-AT, 521-BT, 521-CT, 521-DT and 521-PZ, AMM JIC 06-40-02-020-YYY-YYY must be removed.
- 6) The access panel 623-AT must be removed, refer to AMM JIC 06-40-02-020-YYY-YYY.
- 7) The leading edge 612-AR, AMM JIC 06-40-02-500-YYY-YYY, and the access panels 622-AT, 622-BT and 622-KZ, AMM JIC 06-40-02-020-YYY-YYY, must be removed.
- 8) The leading edge 611-AR, AMM JIC 06-40-02-500-YYY-YYY, and the access panels 621-AT, 621-BT, 621-CT, 621-DT and 621-PZ, AMM JIC 06-40-02-020-YYY-YYY must be removed.

B Geometry and Installation Check

- 1) Perform only the BONDING LEADS detailed inspection in accordance to the mentioned AMM JIC below. Apply a gentle force to the BONDING LEADS to check the integrity of the components.
- 2) Perform “FEEDER WING TANK LH/RH, EQUIPMENT, HARNESS AND BONDING LEADS, INTERNAL - DETAILED INSPECTION (EWIS)”, refer to AMM JIC 05-25-28-220-801-A01.
- 3) Perform “OUTER WING TANK LH/RH EQUIPMENT, HARNESS AND BONDING LEADS, INTERNAL - DETAILED INSPECTION (EWIS)”, refer to AMM JIC 05-25-28-220-802-A01.
- 4) Perform “INNER WING TANK LH/RH EQUIPMENT, HARNESS AND BONDING LEADS, INTERNAL - DETAILED INSPECTION (EWIS)”, refer to AMM JIC 05-25-28-220-803-A01.
- 5) For replacement of worn or ruptured bonding straps, refer to AMM JIC 20-28-00-910-801-A01.



Figure 1: Example of Worn and Ruptured Bonding Straps

C Close-up

- 1) Perform a foreign object inspection of the fuel tank.
- 2) Close the access panel 523-AT, refer to AMM JIC 06-40-02-420-YYY-YYY.
- 3) Install the access panels 522-AT, 522-BT and 522-KZ, AMM JIC 06-40-02-420-YYY-YYY and the leading edge 512-AL, AMM JIC 57-40-00-420-YYY-YYY.
- 4) Install the access panels 521-AT, 521-BT, 521-CT, 521-DT and 521-PZ (621-PZ), AMM JIC 06-40-02-420-YYY-YYY and the leading edge 511-AL, AMM JIC 57-40-00-420-YYY-YYY.
- 5) Close the access panel 623-AT, refer to AMM JIC 06-40-02-420-YYY-YYY.
- 6) Install the access panels 622-AT, 622-BT and 622-KZ, AMM JIC 06-40-02-420-YYY-YYY and the leading edge 612-AR, AMM JIC 57-40-00-420-YYY-YYY.
- 7) Install the access panels 621-AT, 621-BT, 621-CT, 621-DT and 621-PZ, AMM JIC 06-40-02-420-YYY-YYY and the leading edge 611-AR, AMM JIC 57-40-00-420-YYY-YYY.
- 8) Return the aircraft to a serviceable condition.

3 MATERIAL INFORMATION

A Material Parts List

None

B Required Documents

None



Dornier 328 Compliance Report

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From Company: _____

Doc. No.	Rev.	Title
ASB-328-28-047	–	Fuel – Inspection of Bonding Straps Inside Fuel Tank

Aircraft Serial Number: _____

Operator: _____

Total Flight Hours: _____ Total Landings: _____

Date of Compliance: _____

Comments:

Did you find worn and ruptured bonding straps?	
How many worn bonding straps?	
How many ruptured bonding straps?	
How many bonding straps have been replaced?	

Date

Authorized Signature