


Aircraft Design Certification GmbH Reichensteinstr.48 69151 Neckargemünd		Bristell B23	Doc-Nr: ADxC-73-SB-004 Issue: A Date: 24.02.2021 Change-no.: ADxC-73-DC-010
Service Bulletin			

Bristell B23
SERVICE BULLETIN

<p>Office of Airworthiness release</p> <p>Date:</p> <p>Name:</p> <p>Signature:</p>

<p>Verification Engineer</p> <p>I hereby declare that the technical content of this document is correct and can be used to fulfil the obligations of the type design holder per 21.A.265(h)</p> <p>Date:</p> <p>Name:</p> <p>Signature:</p>
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<p>Author</p> <p>Date:</p> <p>Name: R. Harms G.</p> <p>Signature:</p>
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Amendments

Issue	Reason	Date
A	Initial issue	24.02.2021

<p style="text-align: center;">Bristell B23</p> <p>Implementation of optional water coolant heater DEFA 411423, corresponding extension cable and subsequent furnishing of AFM and AMM supplements</p>

STANDARD

0 General
0.1 ATA Code ATA 25 EQUIPMENT/FURNISHINGS – Water heater
0.2 Effectivity Applicable to all serial numbers of Bristell B23 - TCDS EASA.A.642

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1 Planning information

1.1 Reason

Optional upgrade of B23 with the following equipment according ADxC-73-DC-010:

- DEFA 411423 water heater

1.2 Safety Intent

No safety intent.

1.3 Configuration Description

The mentioned equipment is optional and can be added to the a/c if compatibility with other changes is provided.

1.4 Compliance

If criteria in Section 0 is met

- Service bulletin must be accomplished
 - This SB could be made mandatory by an EASA AD.
 - This SB is mandatory as per EASA AD no. _____
- Service bulletin recommended to be accomplished to prevent significant operational disruptions
- Service bulletin to introduce improvements
- Service bulletin for convenience or option

1.5 Approval statement


The technical content of this document is approved under the authority of the DOA ref. EASA. 21J.411.

1.6 Concurrent publications

- ADxC-73-010-AMM supplement issue 1.0 issue date 24.02.2021
- ADxC-73-010-AFM supplement revision A issue date 24.02.2021

1.7 Manpower

Approx. 2 hours are required to accomplish this SB.

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1.8 Weight and Balance

The weight of the instruments is as follows:

- DEFA heater: 0.310kg
- DEFA ext. cable: 0.250kg

After completion of instructions as defined in section 3 update the weight and balance record for the affected B23. Perform the weight and balance according to section 6 of ADxC-73-001-AFM.

1.9 Electrical load data

The power supply is an external 230V AC (50Hz) system with no connection to the aircraft system. The heater has 600W ground power consumption.

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1.10 Software modification


none

1.11 Referenced documentation

ADxC-73-001-AFM; issue A1; dated 11. January 2021

ADxC-73-001-AMM; edition 1.1; dated 21. January 2021

1.12 Other publications effected N/A

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2 Material information

2.1 Material- cost – availability

Refer to aircraft manufacturer BRM Aero s.r.o.

2.2 Company support information

Refer to aircraft manufacturer BRM Aero s.r.o.

2.3 Material requirements per aircraft N/A

2.4 Rework parts

See section 3.

2.5 Special tooling N/A

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3 Accomplishment/Instructions

- 1) Follow the instructions on drawing 71B220050N for installation of the water heater and extension cable.
- 2) Apply the placard according drawing 11B210001N
- 3) Perform weight & balance measurement according to section 8-10 of the main AMM ADxC-73-001-AMM and store record in aircraft documentation.
- 4) Make a log book entry and add note to aircraft CAW documentation that this Service bulletin has been incorporated.

4 Appendix

Appended are following manuals, drawings and drill-templates:

- 11B210001N PLACARDS (SUPPLEMENT)
- 71B220050N WATER HEATER INSTALLATION
- ADxC-73-010-AFM supplement
- ADxC-73-010-AMM supplement