

Aircraft Design Certification GmbH Reichensteinstr.48 69151 Neckargemünd		Bristell B23	Doc-Nr: ADxC-73-SB-041 Issue: A Date: 04.01.2024 DC-Nr.: ADxC-DC-73-112
Service Bulletin: Trim Indication Placards			

Bristell B23
SERVICE BULLETIN: TRIM INDICATION PLACARDS

Office of Airworthiness release
Date: Name: Boris Kölmel Signature:

Verification Engineer
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) Date: Name: Marcus Basien Signature:

Author
Date: 04.01.2024 Name: S. Nassar Signature:

Amendments

Issue	Reason	Date
A	Initial issue	04.01.2024

Bristell B23

Verification and potential correction of false Elevator Trim Position LED Indicator placard.

STANDARD

0 General

0.1 ATA Code

ATA 11 PLACARDS AND MARKINGS – Trim Position Indicator Placard

0.2 Effectivity

Affected aircraft: all Bristell B23, all models TCDS EASA.A.642

False placard is known to be installed in aircraft serial numbers as listed below, however the list might not be exhaustive – all airplanes need to be checked.

Type/Model	SN
B23	011/2021
B23-915	029/2021
B23	057/2022
B23-915	061/2022
B23-915	063/2022
B23	065/2022
B23-915	068/2022
B23	0070
B23	0072
B23-915	0087
B23-915	0091
B23	0102

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1 Planning information

1.1 Reason

The production organization noticed a known total of (at least) 12 aircraft delivered with the wrong placard for the Elevator Trim Position Indicator installed. Wrong installation might not be limited to this number.

Hereby the indication position for Nose UP and Nose DOWN positions of the trim are reversed. Correct indication has the Nose DOWN "DN" position of the trim indication on top of the LED array, and the Nose UP "UP" position on the trim indication below the LED array, as seen in the pictures provided in the Appendix.

1.2 Safety Intent

No unsafe condition is identified but corrective actions are found necessary.

1.3 Configuration Description

Correct labeling is described in the respective airplane flight manual.

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 N/A

1.7 Manpower

Approx. ¼ hour is required to accomplish this SB.

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1.8 Weight and Balance N/A

1.9 Electrical load data N/A

1.10 Software modification N/A

1.11 Referenced documentation

Name	Issue	Titel
ADxC-73-001-AFM	B4	AFM B23 912
ADxC-73-003-AFM	B3	AFM B23 915
ADxC-73-049-AFM	B2	AFM B23-915 G500
ADxC-73-070-AFM	A3	AFM B23-912 G500

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

Affected publications and parts can be ordered from

BRM AERO, s.r.o.

Address: Letecká 255 686 04 Kunovice Czech Republic

Phone: + 420 773 984 338

E-mail 1: info@brmaero.com

E-mail 2: aero.brm@gmail.com

Web: <http://www.brmaero.com>

Affected documentation can be downloaded from

<https://www.bristell.com/technical-documentation/>

For the latter login credentials must be ordered form BRM Aero, s.r.o.

2.3 Material requirements per aircraft

Name-Placard Position	Issue	Titel
11B210000N-64	G	Elevator Trim Placard B23-912 (DC-001)
11B510000N-69	B	Elevator Trim Placard B23-915 (DC-003)
11B910000N-68	B	Elevator Trim Placard B23-915-G500 (DC-049)
11B610000N-68	A	Elevator Trim Placard B23-912-G500 (DC-070)

2.4 Rework parts N/A

N/A

2.5 Special tooling N/A

N/A

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3 Accomplishment/Instructions

- 1) Check the installed Elevator Trim Position Indicator placard for a complete match with the placard in accordance with the relevant AFM. Check the position of the Take-Off LED marking in accordance with the AFM, check the DN and UP markings on the placard for their correct position (Nose Down “DN” on top of LED array, Nose UP “UP” below LED array).
Note: T/O mark on B23 with ROTAX 912 engine is LED No 4 from top, on B23 with ROTAX 915iS engine No 5 from Top.
- 2) If the installed placard does not match the placard in accordance with the AFM, remove the false placard from the Trim Position Indicator
- 3) Install the correct Trim Position Indicator Placard as listed in 2.3
- 4) Make a log book entry and add note to aircraft CAW documentation that this Service bulletin has been incorporated.

4 Appendix

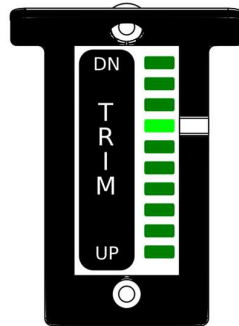


Figure 1 – Trim Position Indicator with installed Placard for Rotax 912 engine – note T/O mark at the 4th LED

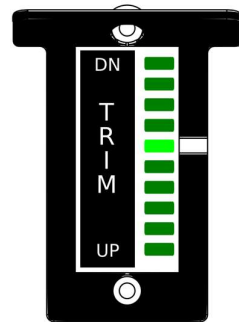


Figure 2 – Trim Position Indicator with installed Placard for Rotax 915iS engines – note T/O mark at the 5th LED