



Service Bulletin

Doc.-No.: SB-IS-28B2-AR-02

Revision: 01

Date: 24.02.2017

EASA AP439

Project Reference: AR.IS-28B2.003

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Log of revisions

Revision	Revision date	Change description
01	24.02.2017	Document release

F2.3-03
(01.2017)

It is the operators responsibility to comply with the relevant aviation regulations of the country in which the product is registered and operated.

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1. Planning Information

1.1 Effectivity

Service Bulletin SB-IS-28B2-AR-02 applies to all IS-28B2 gliders to which were detected cracks / fractures greater than 5mm (see EASA AD No.: 2016-0233 and SB-IS-28B2-AR-01 rev. 3) to the upper stringer of fuselage back.

1.2 Reason

At some gliders, type IS-28B2, belonging to the Aeroclubul României were detected cracks in upper stringer of the fuselage back.


1.3 Compliance

The modification is carried out in accordance with the project AR.IS-28B2.003 approved by EASA with the number 10060677 / 10.01.2017.


1.4 Approval

The technical information contained in this Service Bulletin has been approved under the authority of the Design Organisation Aeroclubul României, EASA AP 439.

This modification is covered by the EASA Major Change Approval No. 10060677 / 10.01.2017.

Name / Function	Date	Signature
Petcu Florian / Airworthiness Manager	24.02.2017	

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1.5 Special Tools

Not applicable.

1.6 Weight and Balance

It does not change.

1.7 Electrical Load Data

Not affected

1.8 Other Publications affected

Flight and Maintenance Manual edition 2A, amendment no. 29, modified pages:

- 0.2.2.F;
- 0.2.3.E;
- 36.H.

Flight and Maintenance Manual edition 3, amendment no. 43, modified pages:

- 0.2.4.E;
- 0.3.Z.1.E;
- 6.14.H.

1.9 Reporting

Not applicable.

2. Material Information

2.1 List of parts to be reworked

Not applicable.


2.2 New Production Parts

- Addition 1 – AR.02.F01.1000;
- Addition 2 – AR.02.F01.1001;
- Addition 3 – AR.02.F01.1002;
- Addition 4 – AR.02.F01.1003;
- Support 1 – AR.02.F01.1004/I/II/III;
- Support 2 – AR.02.F01.1005.

Work instructions for applying BS-IS-28B2-AR-02 and the drawings for parts from the paragraph 2.2 of this Service Bulletin are attached to this bulletin and is available to Aeroclubul României, on request, for a fee.

Contact camo@aeroclubulromaniei.ro.

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2.3 Expendable Parts

Not applicable.

3. Accomplishment Instructions

CAUTION: Obey the safety Precaution and the General Maintenance Practices.

3.0. REMARKS

- a) All measures must be carried out by a Authorised Maintenance Organisation or a certified aircraft maintenance mechanic.
- b) All works, particular those that are not especially described in this Service Bulletin, must be carried out in accordance with the referenced Maintenance Manual.
- c) Accomplishment of the measures must be confirmed in the logbook.
- d) In case of doubt contact Aeroclubul României (camo@aeroclubulromaniei.ro).

Caution: The work is performed in accordance with the drawings:

- 1) Rear fuselage assembly with TOST wheel – AR.28B.F01.0016RC sheet 1/2;
- 2) Rear fuselage assembly with TOST wheel – AR.28B.F01.0016RC sheet 2/2.

3.1 Preparation

- 1) Preparation of required tools;
- 2) Raise the rear fuselage to facilitate easy access to the maintenance panel, for example like in photo 1.
- 3) Disassembly rudder, elevators;
- 4) Remove the maintenance panel to access the maintenance cut out from the bottom of the fuselage, right side, under the vertical stabilizer (see photo 2);
- 5) Identify of the operation area.



Photo 1

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Photo 2

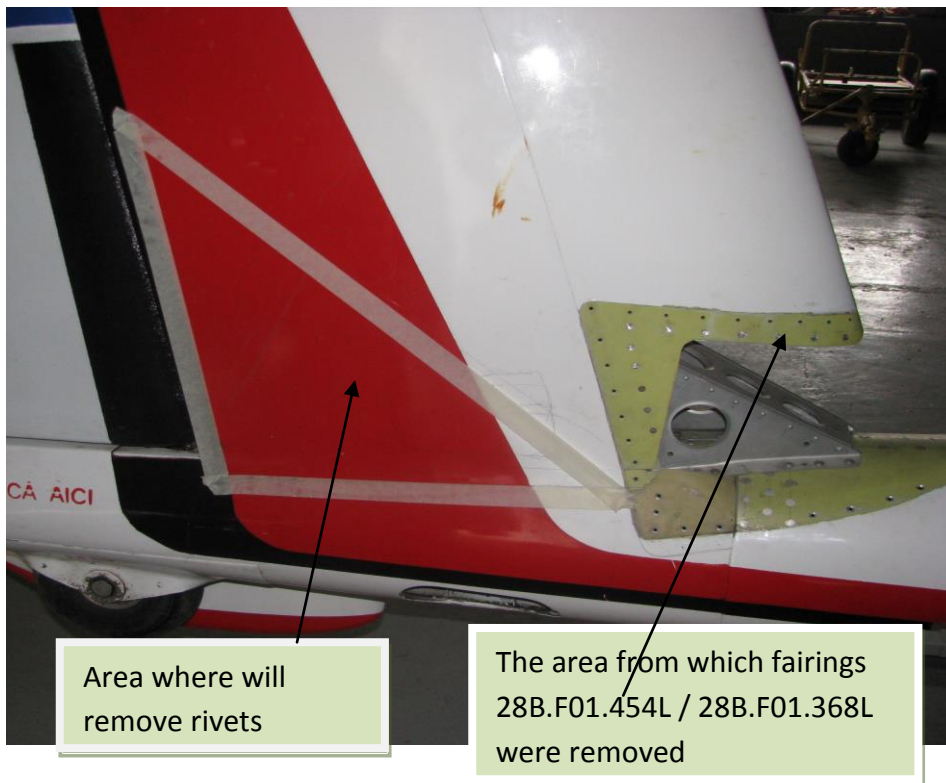


Photo 3

3.2 Modification

- 1) Remove fuselage - fin fairings (Photo 3, 4),
- 2) Pickling (mechanical or chemical) fin rivets (Photo 4).

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Photo 4

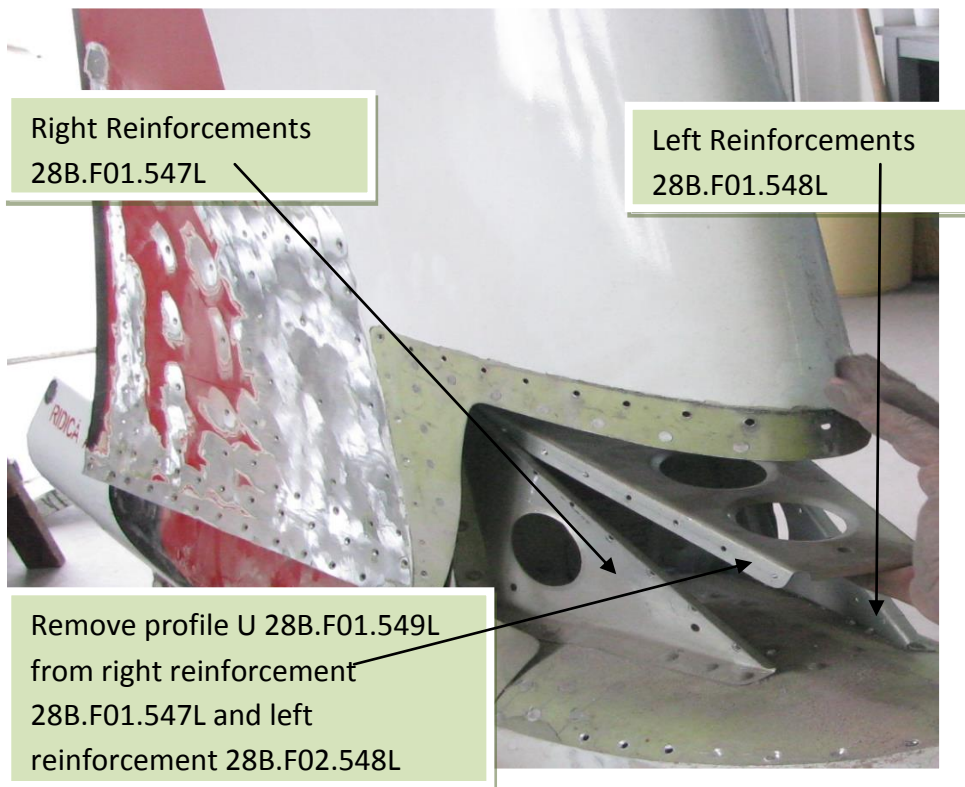



Photo 5

- 3) Remove fin skin (right side) – see photo 4 and 5.

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- 4) Remove rivets from the area with cracks and deburring the rivet holes.
- 5) Riveting Support 1 – AR.02.F01.1004I / II / III (part required is determined according to the quota A - see the corresponding structure quota – Photo 6), and Additions AR.02.F01.1000, AR.02.F01.1001, AR.02.F01.1002, AR.02.F01.1003 (Photo 7) and Support 2 – AR.02.F01.1005 (Photo 8).



Photo 6

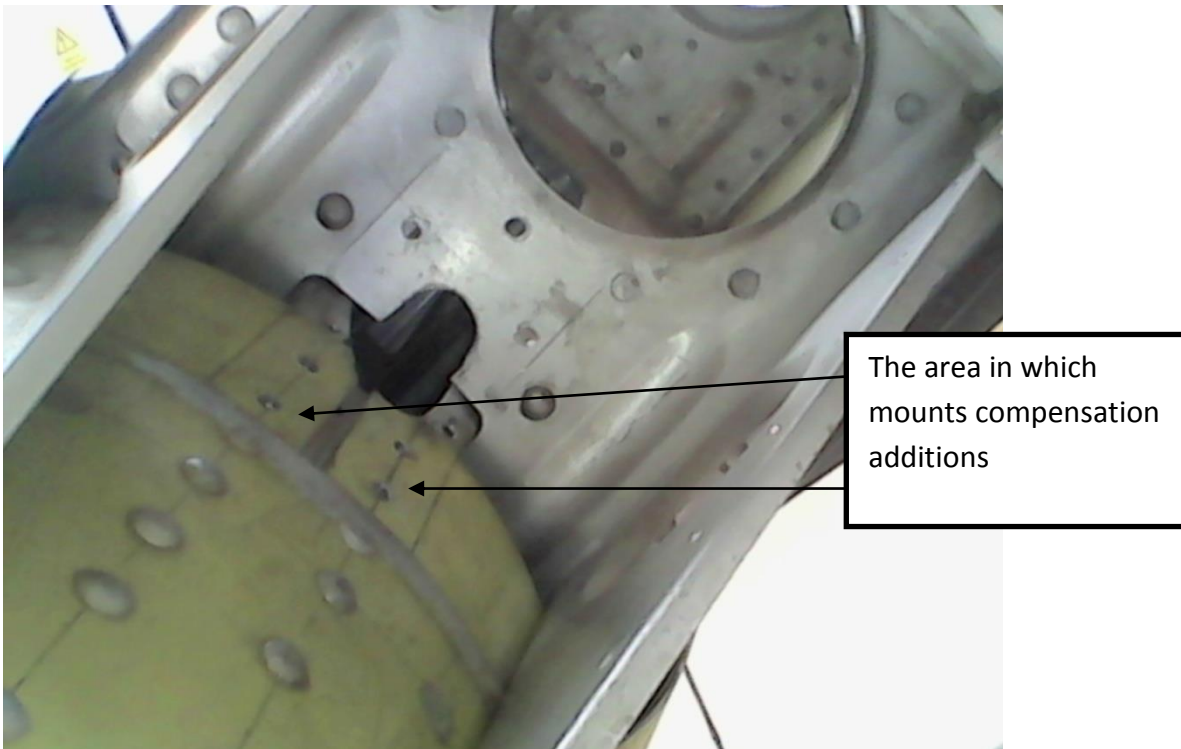


Photo 7

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Photo 8

6) Clean the work area

3.3 Close-up

- 1) Do a foreign object inspection in modification area.
- 2) Riveting profile U 28B.F01.549L with right reinforcement 28B.F01.547L and left reinforcement 28B.F02.548L.
- 3) Riveting fin skin.
- 4) Riveting fairings 28B.F01.454L / 28B.F01.368L.
- 5) Mounting inspection cover.
- 6) Retouch surface protection.
- 7) Retouch painting.
- 8) Mounting rudder and elevators.
- 9) Check tensions in rudder control cable (20 + / - 2Kgf).
- 10) Check the rudder steering (LS = 30° + / - 2°, RS = 30° + - 2°).
- 11) Final inspection.
- 12) Lower the fuselage from the used supporting maintenance rigs.
- 13) Indicate the application of Service Bulletin no. SBS-IS-28B2-AR-02 in the glider logbook.

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

Required as indicated, unless accomplished previously:

Once the major change has been applied to a sailplane serial number ... the EASA AD No.: 2016-0233 actions are closed.

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