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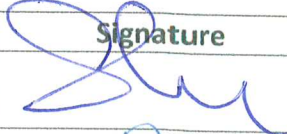

Service Information Letter

No. SIL-AR-02-IS29D2


Inspection of the flaps control operations;

Approval:

The technical content of this Service Information Letter is approved under the Authority of the Design Organization of Aeroclubul Romaniei, authorization no. EASA AP439.

	Name / Function	Date	Signature
Drafted /Verified	Cornelius Stancu / Head of DOA	15.10.2019	
Approved	Florian Petcu / Airworthiness Manager	15.10.2019	

	Compliance with the local aeronautical regulation applied in the country in which the glider is operating / registered is the responsibility of the operator
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SERVICE INFORMATION LETTER

SIL - AR – 02 - IS29D2

(This Service Information Letter contain information regarding the safety of flight and glider)
(Aeroclubul Romaniei is the Type Certificate holder for IS 29 D2 gliders)

Date: 15.10.2019

Subject: Inspection of the flaps control operations;

Applicability: It is applied to all IS 29D2 gliders;

Deadline for application: after the SIL-AR-02-IS29D2 publication, before the first flight.

We highly recommend that the inspections contained in this present Service Information Letter to be carry along with every annual inspection.

Motivation: After an incident in which an IS 29D2 was involved, the suspicion was raised that the flaps control is not working properly.

At this time, we do not consider necessary to issue an Airworthiness Directive (AD) as per EU Regulation 748/2012.

Reference Document:

- Flight and Operations Manual for IS 29 D2.
- General maintenance practices AC no. 43.13, current edition.

Description:

(Two persons, with the glider in “ready to release to service” condition should carry the inspection.)

Inspection in normal operation of the flaps command:

One person seated on the pilot seat should check the flaps command, paying attention to:


- a) Clear linear path forward and backwards (Fig. 2) in all of the five positions:

The effort should be moderate and the movement should be smooth and without any blockages.

- b) Locking and unlocking of the command in all positions:

Should be safe and secure.

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- c) Recovery of the command from an intermediate position should be done only **be** gentle movements, without operating (pushing) the ball shaped element from the top of the command lever:

The command should glide freely and to lock in the first available position.

Inspection in abnormal operation of the flaps command

- d) The person seated in the pilot seat should unlock the flaps command lever and move it all the way from the first to last position and then in reverse, by applying a force of $12 \div 15$ kgf on the ball shaped element from the top of the command lever.

This action should be repeated by changing the starting point to all available positions:

The command lever should glide all the way without any blockages.

- e) All the action from d) will be repeated by a person standing outside of the glider:

The command lever should glide all the way without any blockages.

- f) The person seated on the pilot seat should place the command lever between two positions; the person from outside of the glider should move one flap of the glider (right or left) upright with a moderate force.

This action should be repeated for all available positions:

The command lever should glide and lock in the first available position.

- g) All the action from f) should be repeated, the flap (left or right) should be moved downwards instead:

The command lever should glide and lock in the first available position.

Following actions:

1. If, after applying this SIL there are any signs of nonconformities that can prejudice the safety of flight, then a full flap command control should be conducted. (See Fig. 1 and Fig. 2)
2. All nonconformities and dangerous conditions will be identified and cleared (if applicable).
3. A line will be added in the Aircraft Logbook "Inspection conducted as per SIL-AR-02-IS29D2" and the "fit to fly" conclusion.
4. Should you have any questions, please contact Aeroclubul Romaniei at camo@aeroclubulromaniei.ro

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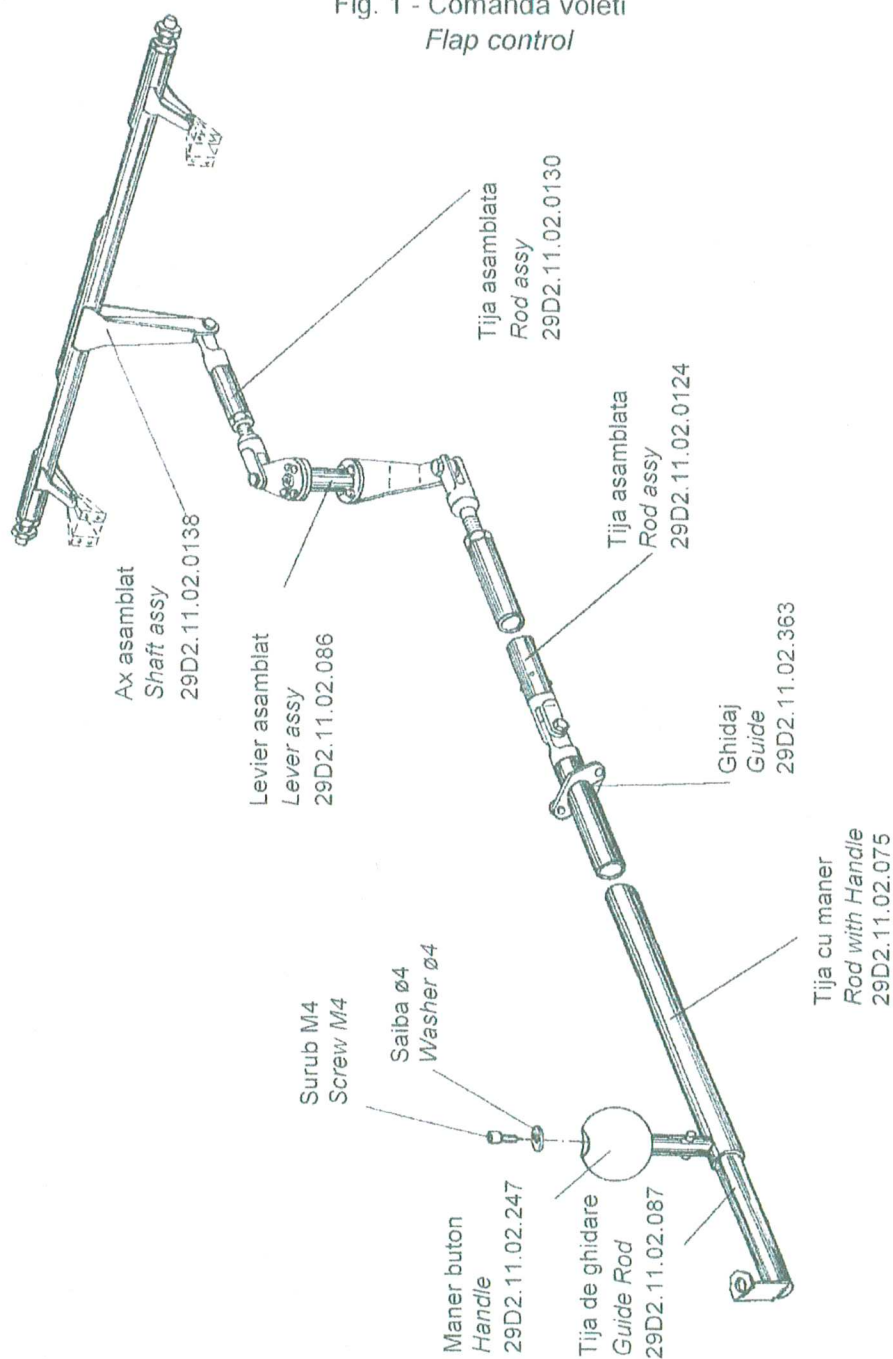
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Fig. 1 - Comanda voleti
Flap control

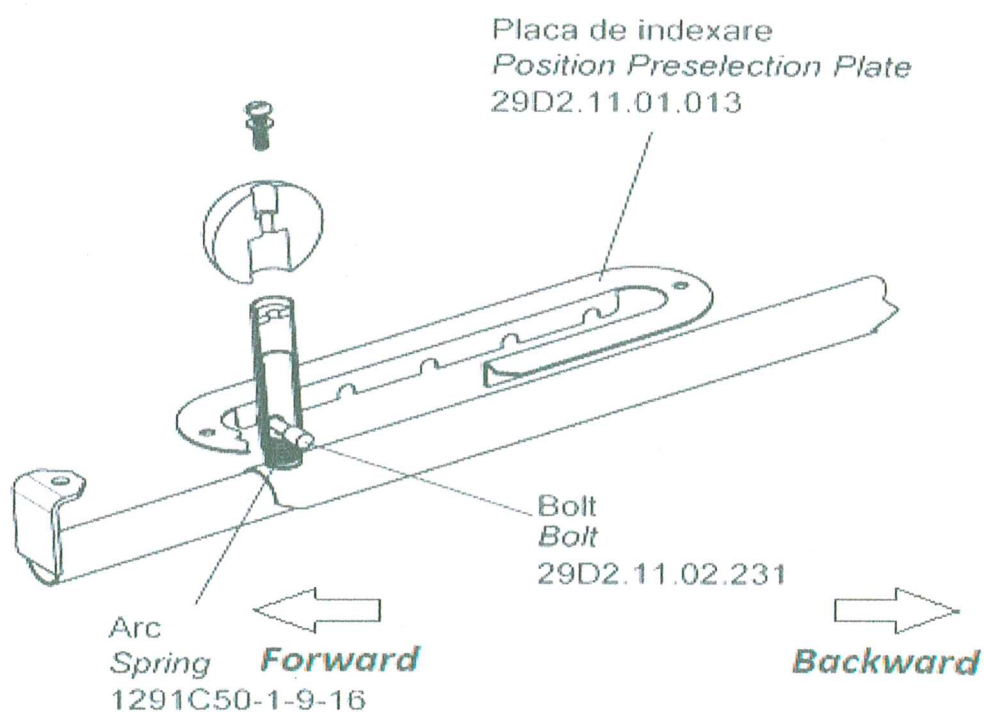


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IS29D2

Fig. 2 - Comanda voleti - detaliu
Flap control - detail



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