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Airfield Eisenach-KindelWeb: www.flightdesign.com; Phone: +49 36920 7530-10E-mail: airworthiness@flightdesign.com**SB-ASTM-CTSW-16****SB-ASTM-CTLS-17****SB-CTLS-ELA-001****SB-ASTM-MC_-04****SB-LTUL-CTSW-15****SB-LTUL-CTLS-15****Revision 00**Date of Initial Publication: **23-Dec-2019**Publication Date of this Revision: **23-Dec-2019**

Service Bulletin

Repair procedure to additional wires protection

SB-ASTM-CTSW-16**SB-ASTM-CTLS-17****SB-CTLS-ELA-001****SB-ASTM-MC_-04****SB-LTUL-CTSW-15****SB-LTUL-CTLS-15**

Repeating Symbols:

Please pay attention to the following symbols throughout this document emphasizing particular information.

- ▲ **Warning:** Identifies an instruction, which if not followed may cause serious injury or even death.
- **Caution:** Denotes an instruction which if not followed, may severely damage the aircraft or could lead to suspension of warranty.
- **Note:** Information useful for better handling.

1 Planning Information

1.1 Affected Aircraft

Type: CT and MC
Model: CTSW, CTLS, CTLS-ELA, CTSW-LSA, CTLS-LSA, MC
Serial Number: CTSW:
E-18-10-55.
CTLS:
F-18-10-52, F-18-10-54, F-18-11-03, F-18-11-04, F-19-03-01,
F-19-04-51, F-19-04-55, F-19-05-01, F-19-05-02, F-19-05-05,
F-19-05-06, F-19-08-52, F-19-11-01, F-19-11-02, F-19-11-04.
CTLS-ELA:
F-18-08-51, F-18-08-52, F-18-11-05, F-19-08-51, F-18-09-01.

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CTSW-LSA:

D-19-05-03.

CTLS-LSA:

F-18-07-02, F-18-07-03, F-18-03-01, F-18-03-02, F-18-09-02,

F-18-09-05, F-18-10-50.

MC:

A-19-01-06.

Applicable Countries: Not limited

1.2 Concurrent Documents

- none -

1.3 Reason

An electrical short circuit occurred due to damage of the wire insulation that lead to contact of the wire to the steel part connected to electrical ground.

1.4 Subject

Repair procedure to additional wires protection for aircraft owners.

1.5 Compliance

This Service Bulletin requires immediate action.

Compliance must be shown within the next 10 hours.

▲Warning: Non-compliance with these instructions could result in further damages, personal injuries or death.

1.6 Approval

The technical content of this document is approved under the authority of DOA ref. EASA.21J.416

1.7 Type of Maintenance

Line

1.8 Personnel Qualifications

Aircraft owner, case dependent supported by an aircraft inspector as per national regulations.

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Conduct of this SB must be inspected by an aircraft inspector according to the national applicable regulations for the country of registry of the aircraft.

1.10 Weight and Balance

Not applicable

1.11 References

Not applicable

1.12 Superseded Documents

- none -

1.13 Contact Details

For further information on conduct of this SB, or to report any Safety of Flight or Service Difficulty issues contact your Distributor responsible for your country. Your Distributor can be located via the Flight Design general aviation GmbH website: www.flightdesign.com under "Dealer Location".

In cases where the local distributor is not known or available contact Flight Design general aviation GmbH directly: customer.care@flightdesign.com

Specific contact in USA:

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E-Mail: airworthiness@flightdesignUSA.com

In cases where the local distributor is not known or available contact Flight Design general aviation GmbH directly: airworthiness@flightdesign.com.

1.14 Disclaimer

This Service Bulletin has been generated with utmost care. Nevertheless errors and misunderstandings can never be fully excluded. In case of any doubts the applicant of this Service Bulletin is requested to contact Flight Design immediately to clarify the issue.

2 Resources

-none-

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-none-

2.2 Parts

-none-

2.3 Materials

Additional wires protection set.

2.4 Tools

Allen key 3 mm

Philips screwdriver

2.5 Special Tools

-none-

2.6 Manpower

The described task can be performed within approximately 1 hours (working time).

2.7 Cost

Not applicable

3 Instructions**3.1 General**

Inspect wires carefully for an indication of wear on the insulation before you wrap the wires with the tape.

This chapter provides extended explanations for the sequential repair steps. See in the Table.

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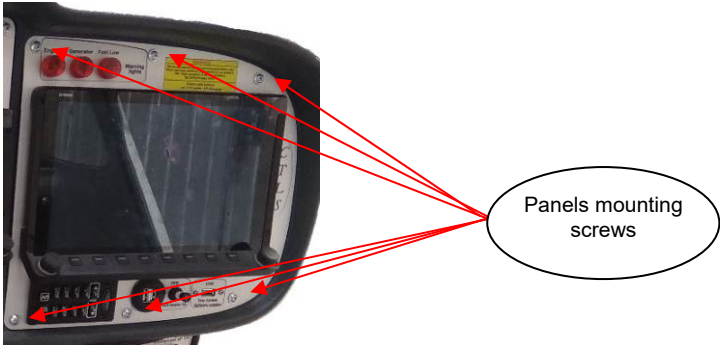
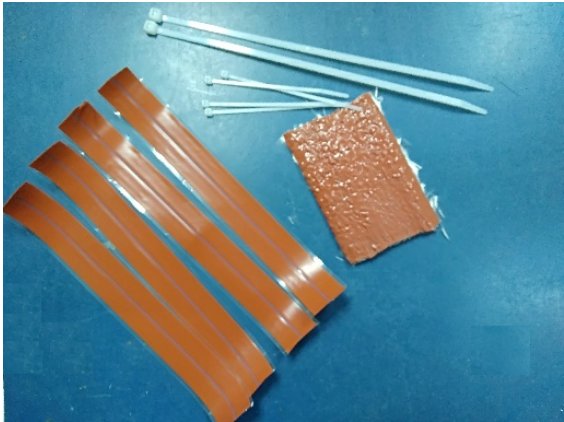

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Step	Action	Reference
1	<p>Remove Panel Right section. Unscrew panel mounting screws.</p> 	
2	<p>Open additional wires protection set.</p> 	
3	<p>Pull out the wires as much as possible.</p> 	

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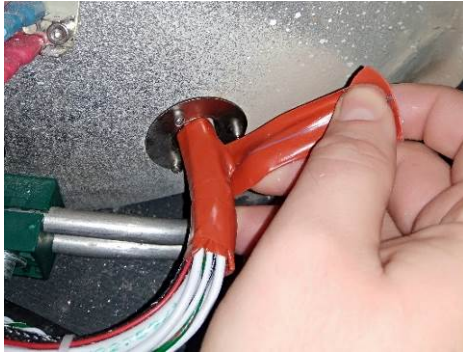
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4

Remove the protective film from pyrosil tape. Wind the pyrosil tape around the wires*.

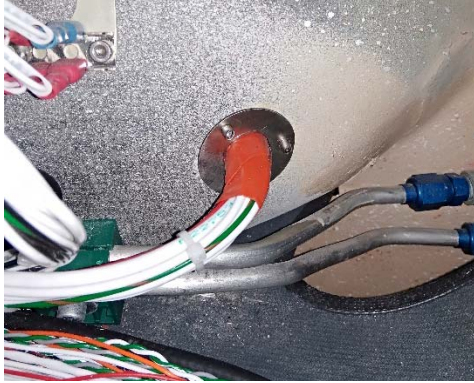


*Installation: Stretch tape during installation using at least a 50% overlap. For best results, use on clean, dry surfaces free from dirt and oil.

The protective layer must be at least 5 layers.

5

Return the wires to their original position.



6

Remove upper cowling.



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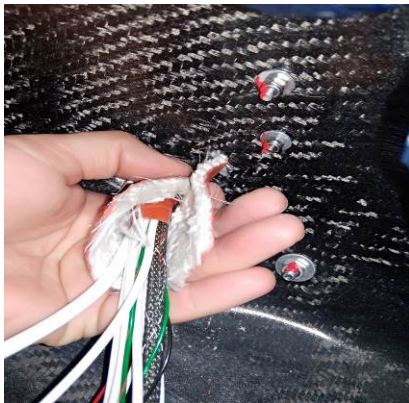
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Wrap fire protection hose around flange and wires. Tighten TY-wraps around flange and wires.



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<p>8</p>	<p>Remove the protective film from pyrosil tape. Wind the pyrosil tape around the wires*.</p>  <p>*Installation: Stretch tape during installation using at least a 50% overlap. For best results, use on clean, dry surfaces free from dirt and oil.</p>	
<p>9</p>	<p>Install Panel Right section and upper cowling.</p>	

3.2 Documentation

Conduct of this SB must be logged in the aircraft log book with date and signature of the responsible Person conducting the SB. National regulations have to be considered.

4 Appendix

4.1 Changes to Previous Revision

Original Issue – no changes

4.2 Feedback Template

For further information or of Flight Service Difficulty issues FLIGHT DESIGN general aviation GmbH directly: airworthiness@flightdesign.com or info@flightdesign.com. Flight Design will assist solve any problem with your aircraft.

