



CRUISER
AIRCRAFT

No.: SB-SC-105

DATE: 2024-01-31

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SERVICE BULLETIN

Czech Aircraft Group s.r.o.
Na Záhonech 212
686 04 Kunovice
Czech Republic
info@cruiseraircraft.cz

REV.: -

DATE: -

MODEL AFFECTED:	SportCruiser / PiperSport operating outside EASA rules
SUBJECT:	Tiedown ring reinforcement
AIRCRAFT AFFECTED:	All SportCruiser / PiperSport aircraft operating outside EASA rules
COMPLIANCE:	According to the owner's decision

DESCRIPTION:

This Service Bulletin contain instructions how to repair of tiedown ring.

AUTHORISATION TO PERFORM:

Repairman (LS-M) or Mechanic (A&P)

REASON:

Repair of torn wing tiedown ring.

MANPOWER:

4 hours

SPECIAL TOOLS:

Common tools for aircraft maintenance.

WEIGHT AND BALANCE:

N/A

ELECTRICAL LOAD DATA:

N/A

PUBLICATIONS AFFECTED:

N/A

MATERIAL AND COSTS:

All costs to be covered by the aircraft owner / operator.

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MATERIAL:

NOTE: The bill of material is for one side of the aircraft.

ITEM No.	NOMENCLATURE	DESCRIPTION	QUANTITY
001	SW0189N ¹	Tiedown Ring Reinforcement	1 pc
002	SW0190N	Skin Patch	1 pc
003	SW0176N	Tiedown Ring	1 pc
004	3171T040	Rivet (circle)-PN: 16910521	6 pcs
005	3171T032	Rivet (square)-PN: 16910512	100 pcs
006	3171T037	Rivet (triangle)-PN: 10013206	10 pcs

¹ order / replace only if the original part SF0189N is damaged

ACCOMPLISHMENT INSTRUCTIONS:

NOTE: During the implementation of this SB follow AC43-13 and SC-AMM-1-0-00.

NOTE: This Service Bulletin is valid for both sides (left side shown).

- 1) Remove the light from the winglet (See AMM, Chap. 11).
- 2) Remove the winglet.

NOTE: Winglet is riveted to the rear spar.

- 3) Straighten the bent rib.
- 4) Drill small hole at the end of the crack.
- 5) Adjust the damaged skin so that has no sharp edges and corners are shaped into radiuses.
- 6) Fit the tiedown ring (003) and tiedown ring reinforcement (001, Fig. 1 and Fig. 2). Rivet it (004, 005).

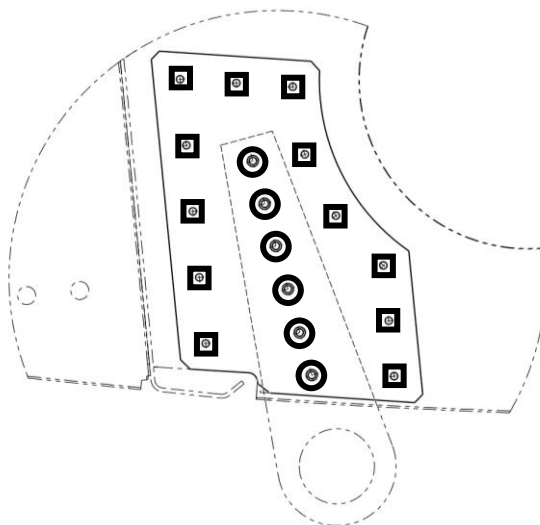


Fig. 1: Tiedown ring with patch



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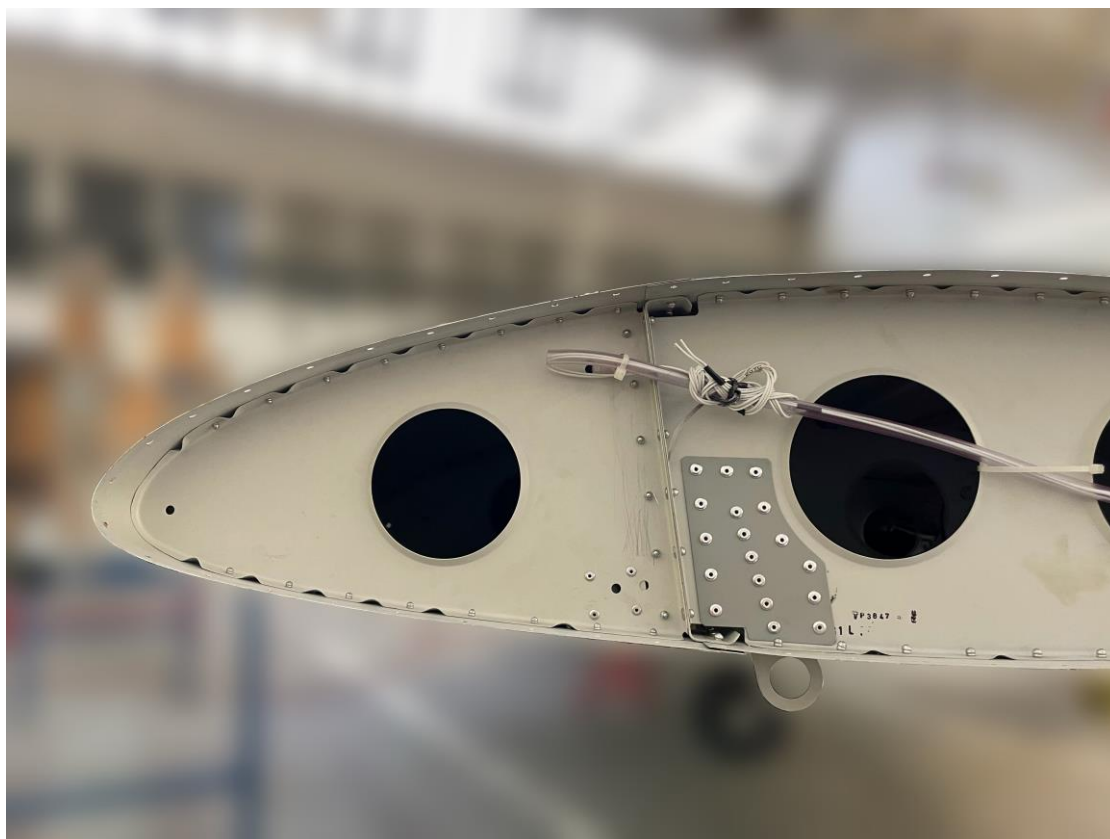


Fig. 2: Patched tiedown ring

- 7) Fit the patch (002) to the lower wing skin. Use rivets (005, 006). See Fig. 3 and Fig. 4.

NOTE: Insert the front of the patch under the leading edge. The back part must be on the outside of the skin.

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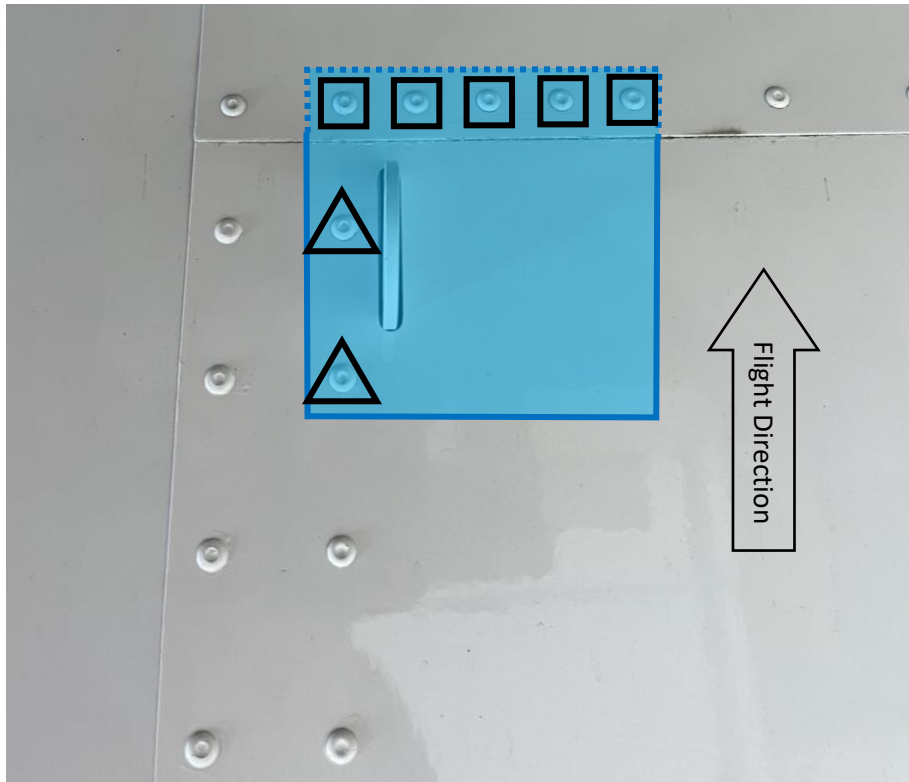


Fig. 3: Tiedown ring with patch

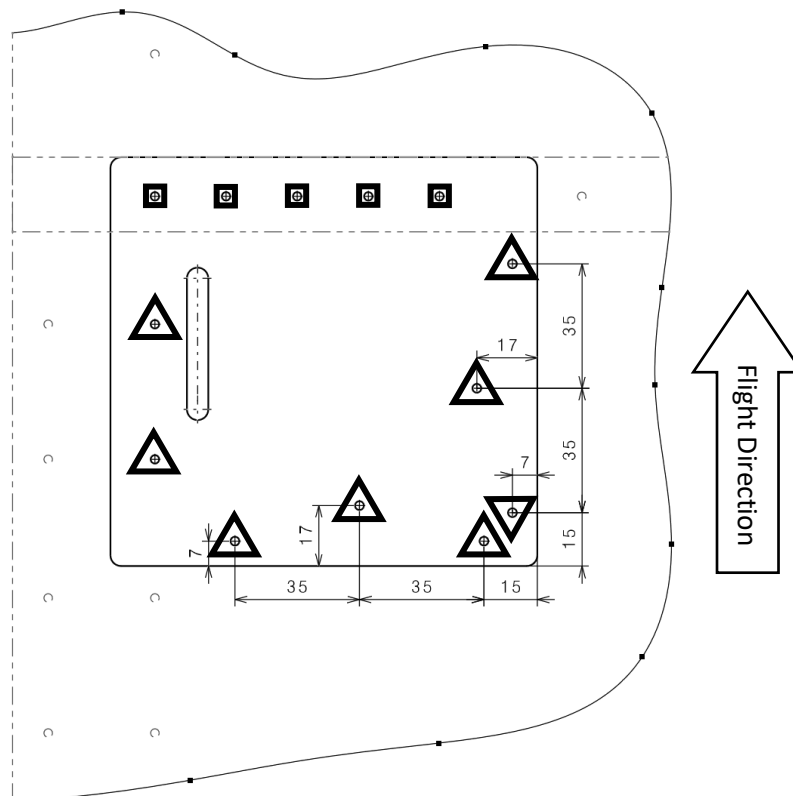


Fig. 4: Typical position of rivets

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8) Install the winglet. Use rivets (005). See Fig. 5.

NOTE: Square in picture means type of rivet (see Bill of Material).

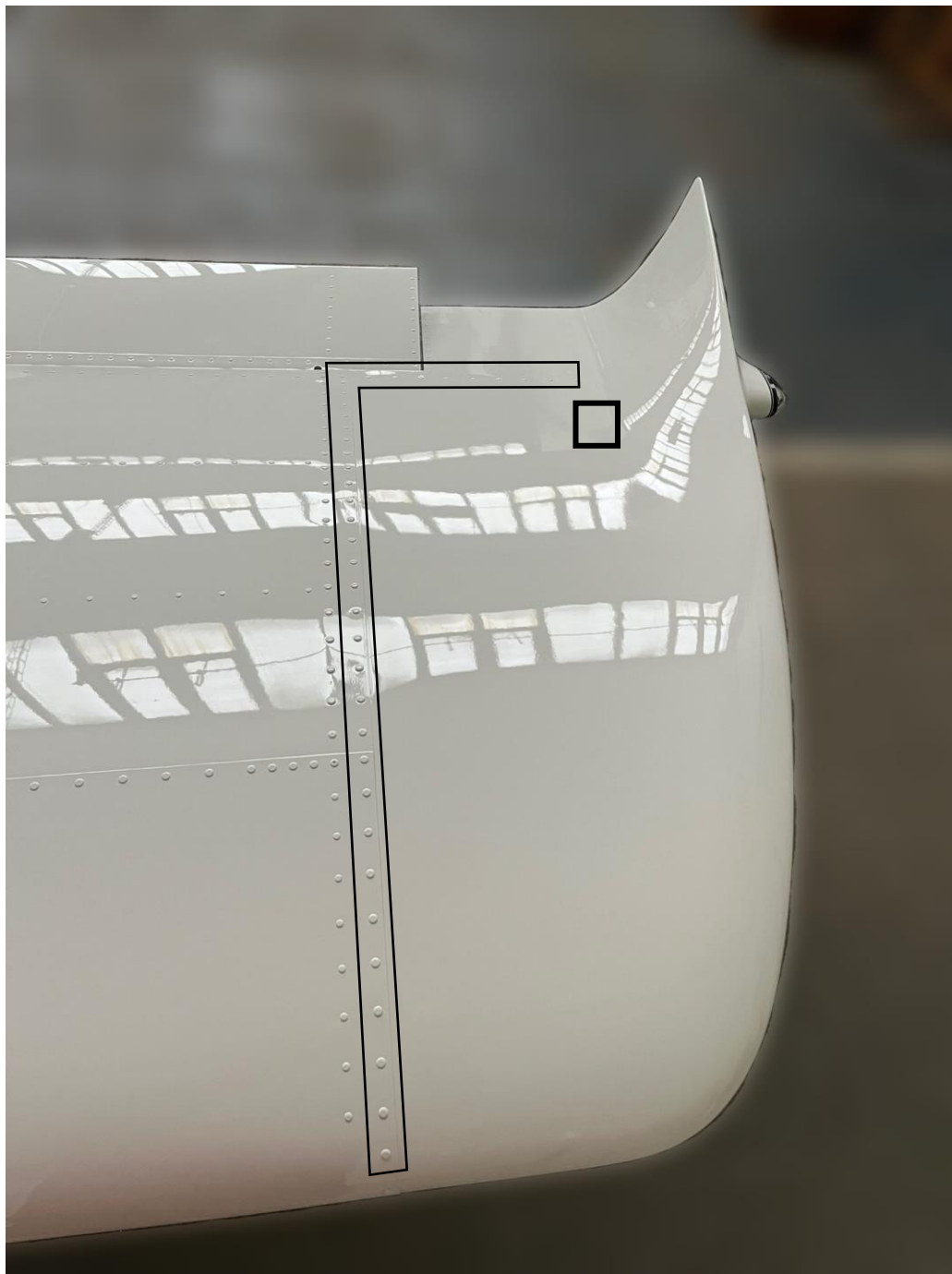


Fig. 5: Winglet rivets (top)

- 9) Install light to winglet (See AMM, Chap. 11).
 - 10) Repair the paint (See AMM, Chap. 15).
 - 11) Restore the aircraft to airworthy condition.
 - 12) Update aircraft records to reflect compliance with this Service Bulletin.
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APPROVAL:

This Service Bulletin has been approved by:

TITLE:	Head of Design Organisation	Airworthiness Manager
NAME:	David Bilík	Jan Pejchar
HAND WRITTEN SIGNATURE:		