



CRUISER
AIRCRAFT

No.: SB-SC-093

DATE: 2022-06-30

PAGE: 1/6

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:	Reinforcement of the firewall
AIRCRAFT AFFECTED:	All SportCruiser / PiperSport aircraft
COMPLIANCE:	When fatigue cracks occur in the upper part of the firewall

DESCRIPTION:

This Service Bulletin contain instructions how to reinforce the firewall.

AUTHORISATION TO PERFORM:

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

MANPOWER:

8 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.

SERVICE BULLETIN

MATERIAL:

ITEM No.	NOMENCLATURE	DESCRIPTION	QUANTITY
001	SF0468N	Patch	1 pc
002	AN960-10	Washer (pink)	2 pcs
003	MS20470AD5-6	Rivet (red)	14 pcs
004	10342406	Rivet (blue)	6 pcs
005	16910412	Rivet (yellow)	4 pcs
006	16910512	Rivet (green)	4 pcs
007	16910619	Rivet (pink)	1 pc
008	16040412	Rivet (black)	13 pcs
009	MS20470AD5-5	Rivet (white)	12 pcs
010	4410V002 ¹	Emfimastic PU50	1 pc
	N/A ¹	3M Marine Adhesive Sealant 5200	1 pc

¹ one of these

ACCOMPLISHMENT INSTRUCTIONS:

NOTE: During the implementation of this SB follow AC43-13 and MM, Chapter 15.

- 1) Move the aircraft to a place suitable to perform the work.
- 2) Remove the oil tank.
- 3) Remove the instruments and equipment in affected area (see MM, Chapter 12).
- 4) Unscrew the screws and remove the instrument panel.
- 5) Drill out the rivets from the firewall and remove the holders and nuts from the marked area (purple). See Fig. 1, Fig. 2 and Fig. 3.

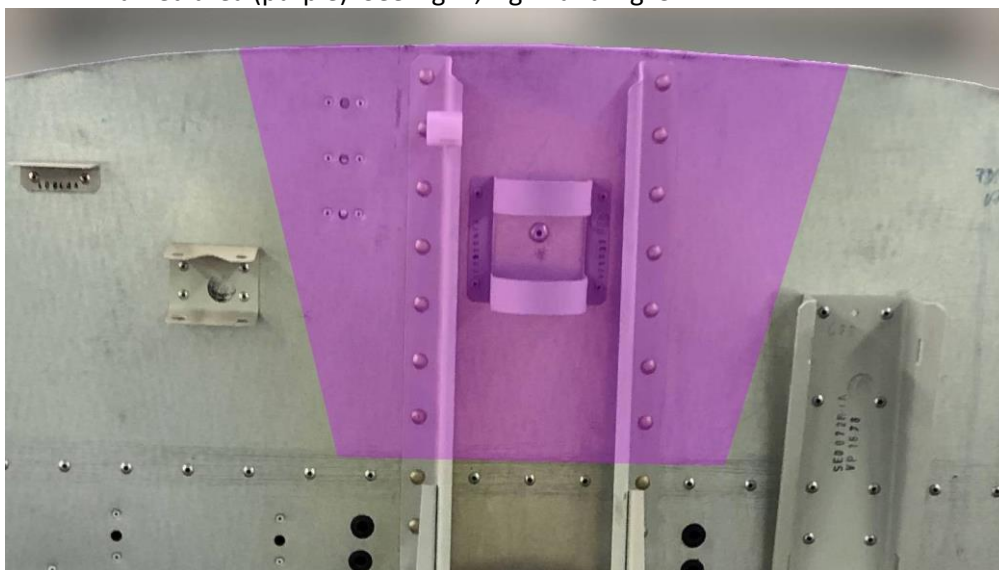


Fig. 1: Drilled rivets from engine side

SERVICE BULLETIN

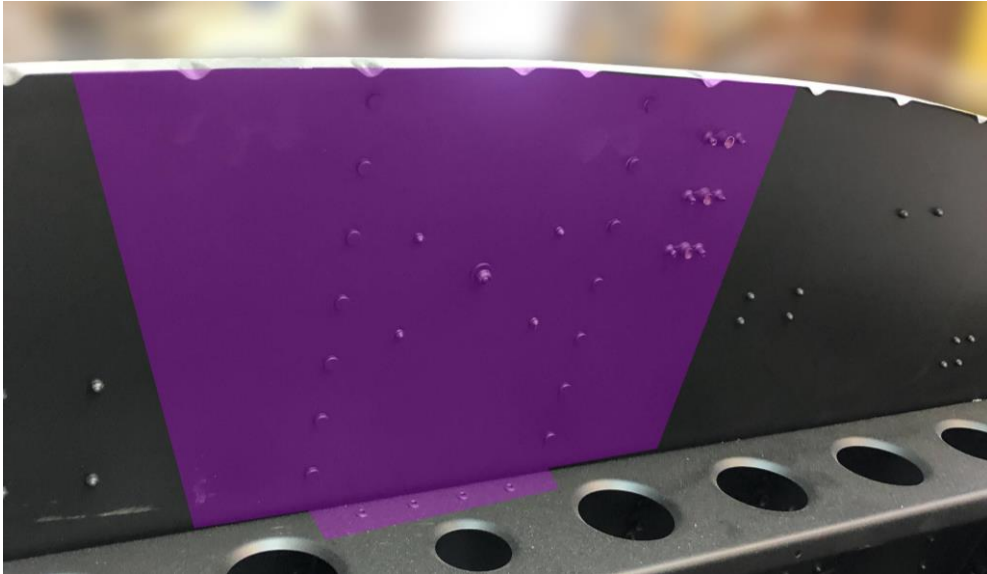


Fig. 2: Drilled rivets from inner side of firewall



Fig. 3: Drilled rivets between canopy cover and engine cowling

- 6) Insert and attach the patch (blue area) from inner side of firewall. See Fig. 4.
- 7) Patch must be glued with glue (010).

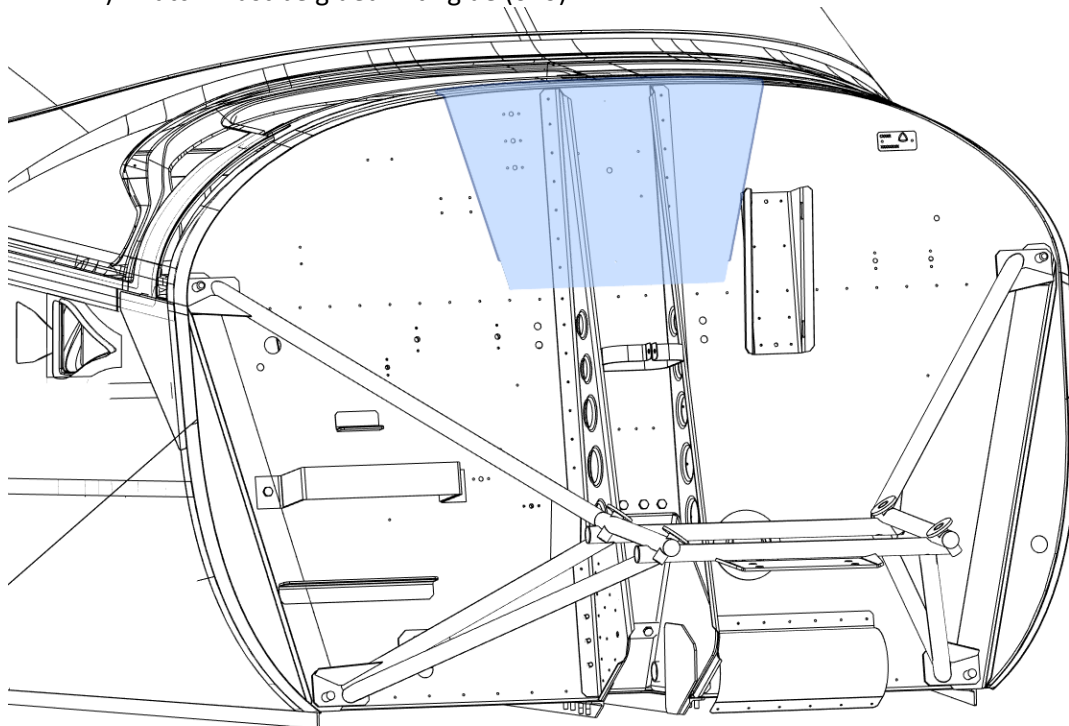


Fig. 4: Patch

- 8) See Fig. 3, Fig. 5, Fig. 6 and Fig. 7 for rivets. Rivet 003 is red, 004 is blue, 005 is yellow, 006 is green, 007 is pink, 008 is black and 009 is white. With the pink rivet (007) is riveted two washers (002, from both sides of the firewall).

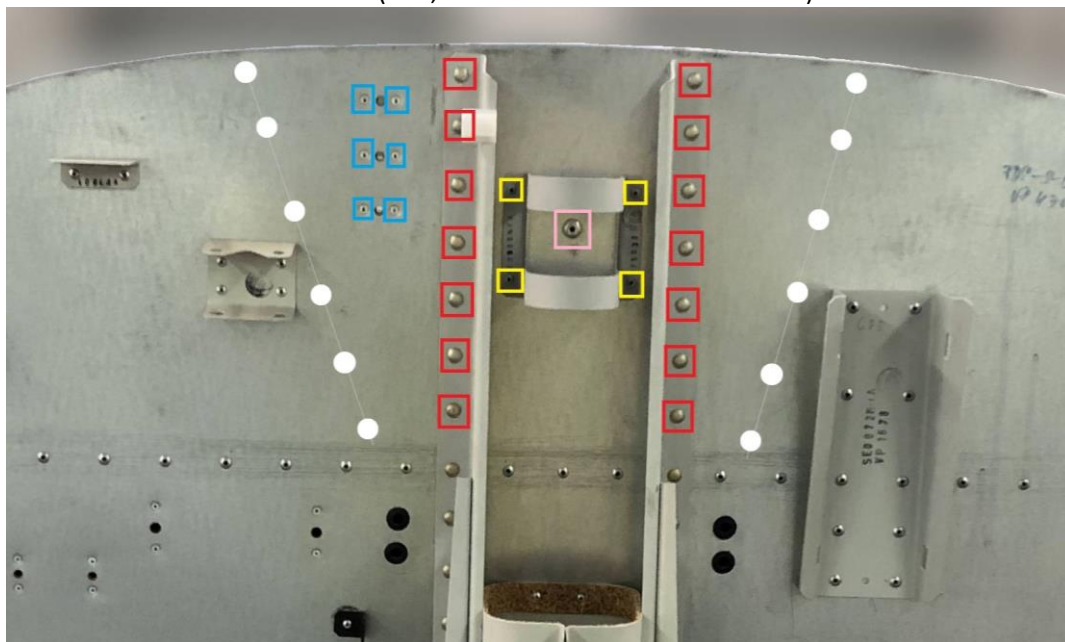


Fig. 5: Rivets from engine side

SERVICE BULLETIN

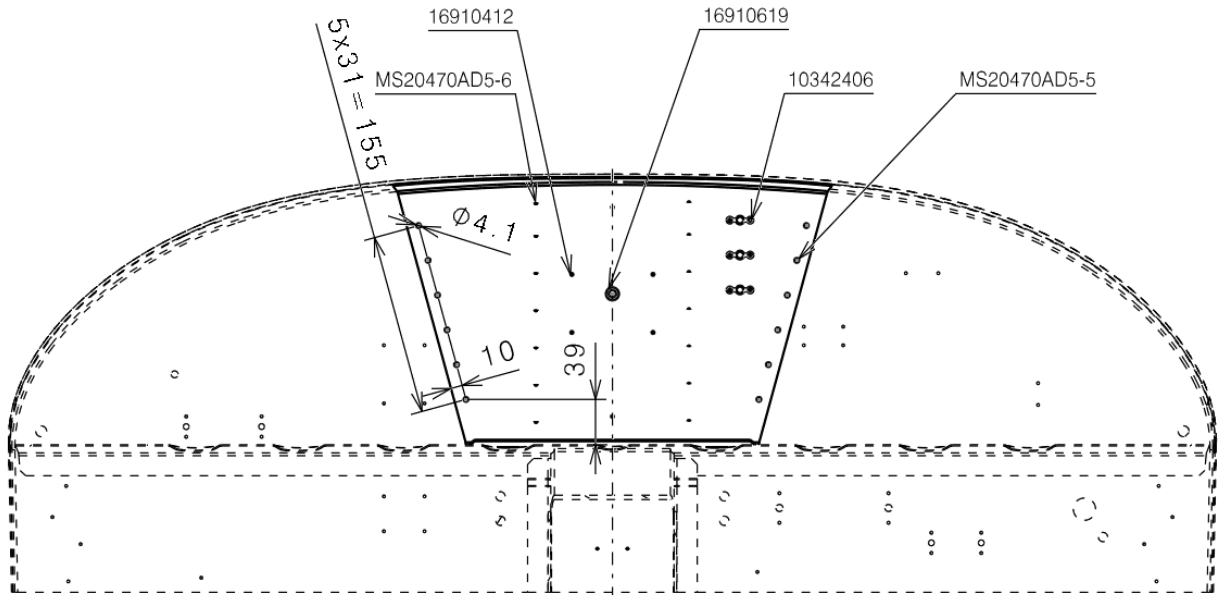


Fig. 6: Drawing of rivets



Fig. 7: Rivets from inner side of firewall



CRUISER
AIRCRAFT

No.: SB-SC-093

DATE: 2022-06-30

PAGE: 6/6

SERVICE BULLETIN

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

REV.: -

DATE: -

- 9) Drill the holes for rivets and rivet the patch.
- 10) Install back drilled out holders to the original position and rivet it.
- 11) Restore the aircraft to airworthy condition.
- 12) Perform engine run test (see MM, Chapter 10).
- 13) Update aircraft records to reflect compliance with this Service Bulletin.

APPROVAL:

This Service Bulletin has been approved by:

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