



CRUISER  
AIRCRAFT

No.: SB-CR-092

DATE: 2022-04-11

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# SERVICE BULLETIN

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

REV.: 3

DATE: 2024-01-30

<b>MODEL AFFECTED:</b>	PS-28 Cruiser / PS-28N Cruiser SportCruiser / PiperSport operating under EASA rules
<b>SUBJECT:</b>	Reinforcement of the fuselage around the main landing gear
<b>AIRCRAFT AFFECTED:</b>	All PS-28 Cruiser and PS-28N Cruiser aircraft All SportCruiser / PiperSport operating under EASA rules
<b>COMPLIANCE:</b>	According to the owner's decision

## DESCRIPTION:

This Service Bulletin contain instructions how to reinforce the fuselage around the main landing gear.

## AUTHORISATION TO PERFORM:

Part M or Part 145 Maintenance organization

## 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.



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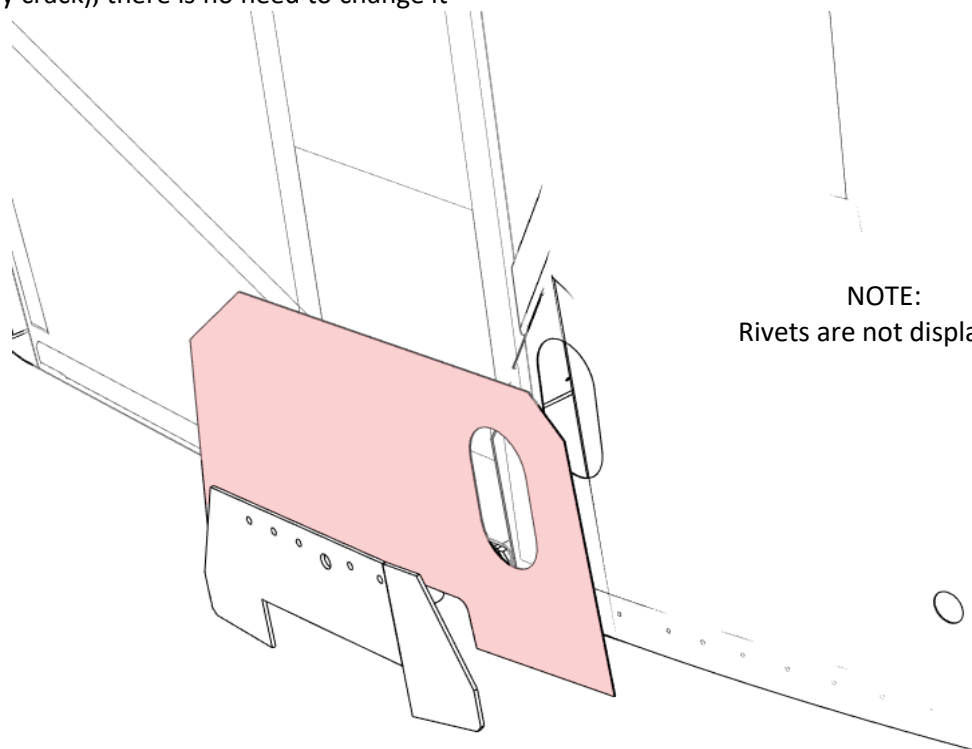
DATE: 2024-01-30

## MATERIAL:

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

ITEM No.	NOMENCLATURE	DESCRIPTION	QUANTITY
001	SF0467N	Patch	1 pc
002	3171T047	Rivet (circle) PN-12014009	24 pcs
003	3171T033	Rivet (square) PN-16910412	3 pcs
004	3171T034	Rivet (triangle) PN-10312406	8 pcs
005	3171T028	Rivet (cross) PN-12014008	6 pcs
006	3172D455	Rivet (pentagon) PN-MS20470AD4-5,5	2 pcs
007	3111A305	Bolt (star) AN3-5A	10 pcs
008	SG0095L_ND <sup>1,2,4,5</sup>	Main Gear Attachment (left)	1 pc
009	4410V002 <sup>2,3</sup>	Emfimastic PU50	1 pc
	N/A <sup>2,3</sup>	3M Marine Adhesive Sealant 5200	1 pc

<sup>1</sup> without holes, <sup>2</sup> one of these, <sup>3</sup> order in local store, <sup>4</sup> for right side use SG0095P\_ND, <sup>5</sup> if the part is intact (without any crack), there is no need to change it



NOTE:  
Rivets are not displayed.

Fig. 1: Main gear attachment patch (left side)



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## ACCOMPLISHMENT INSTRUCTIONS:

NOTE: During the implementation of this SB follow AC43-13 and CR-MM-1-0-00, Chapter 15.

NOTE: This Service Bulletin is valid for both sides.

- 1) Move the aircraft to a place suitable to perform the work.
- 2) Remove the wing (see CR-MM-1-0-00, Chapter 4).
- 3) Remove the main landing gear leg (see CR-MM-1-0-00, Chapter 8).
- 4) Drill out the rivets and unscrew the nuts (Fig. ,2 and Fig. 3).



Fig. 2: Main gear attachment patch (left side)

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Fig. 3: Bottom side of the main gear attachment

- 5) Remove the main gear attachment (1,2 Fig. 4).
- 6) Install the patch to the place and drill the holes for rivets (002, 003, 004, 005, 006).
- 7) Rivet the patch (001). See the Fig. 2 and Fig. 3 for rivets. Rivet 002 is circle, 003 is square, 004 is triangle, 005 is cross and 006 is pentagon. The approximate position of the patch is marked with a black line. Patch and Main Gear Attachment must be glued with glue (009).
- 8) Install the main gear attachment (008) to the original position.
- 9) Drill holes for rivets and screws to the main gear attachment.
- 10) Attach the main gear attachment with rivets and new screws (007).
- 11) Install the main landing gear leg (see CR-MM-1-0-00, Chapter 8).
- 12) Install the wing (see CR-MM-1-0-00, Chapter 4).
- 13) Restore the aircraft to airworthy condition.
- 14) Update aircraft records to reflect compliance with this Service Bulletin.



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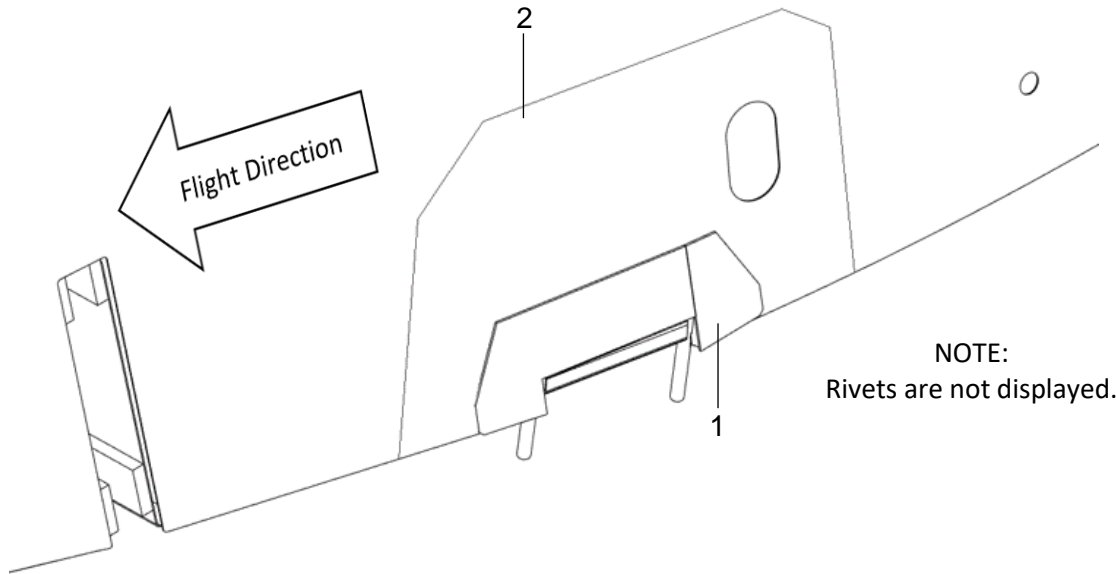
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1 Main gear attachment

2 Patch

Fig. 4: Patch installed

### APPROVAL:

This Service Bulletin has been approved by:

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



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