



CRUISER  
AIRCRAFT

No.: SB-SC-109

DATE: 2024-10-22

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# SERVICE BULLETIN

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

REV.: 1

DATE: 01.112024

<b>MODEL AFFECTED:</b>	SportCruiser / PiperSport operating outside EASA rules
<b>SUBJECT:</b>	Checking the bolts in front landing leg
<b>AIRCRAFT AFFECTED:</b>	All SportCruiser / PiperSport operating outside EASA rules
<b>COMPLIANCE:</b>	500 or more landings Basic check: Within next 5 FH and then after every 100 FH or API Detail inspection: 100 FH or API (one time action)

## **DESCRIPTION:**

This Service Bulletin contain instructions how to check and alternatively replace bolts in front landing leg.

## **AUTHORISATION TO PERFORM:**

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

## **MANPOWER:**

1 hour (basic check)  
3 hours (detail inspection)

## **SPECIAL TOOLS:**

Common tools for aircraft maintenance, torque wrench.

## **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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## LIST OF REVISION:

REV.	REVISION NAME / NOTES	ISSUE DATE
-	Initial issue	2024-10-22
1	Added standards for fasteners description	2024-11-01
2	-	-

NOTE: Order material only if a bolts are damaged.

CAUTION: THE LOOSE SCREWS MUST NOT BE TIGHTENED BUT MUST BE REPLACED. THESE BOLTS ARE ELONGATED AND DAMAGED.

## MATERIAL:

ITEM No.	NOMENCLATURE	DESCRIPTION	QUANTITY
001	3111M467	Bolt AN174-12A	6 pcs
002	3121B654	Nut AN365-428	6 pcs
003	3131A418	Washer AN960-416L	6 pcs

## BASIC CHECK - ACCOMPLISHMENT INSTRUCTIONS:

- 1) Move the aircraft to a place suitable to perform the work.
- 2) Remove the wheel fairing and front wheel from front landing leg.

NOTE: Is not necessary to remove the bolts. If bolts are removed, fresh nuts and washers (item 002, 003) must have to be used.

- 3) Check all 6 bolts on the nose leg fork (see Fig. 1). Check especially:
  - a) Loosen nuts.
  - b) Missing bolts.
  - c) Play in bolted fork joint.
- 4) Perform detail inspection and repair in case of any findings.
- 5) Restore the aircraft to airworthy condition in case of no findings.
- 6) Update aircraft records to reflect compliance with this Service Bulletin.

## DETAIL INSPECTION AND REPAIR - ACCOMPLISHMENT INSTRUCTIONS:

- 1) Move the aircraft to a place suitable to perform the work.
- 2) Remove the wheel fairing and front wheel from front landing leg.
- 3) Check all 6 bolts on the nose leg fork (see Fig. 1).
- 4) Bolts have to be removed and visually inspected. Check especially:
  - a) Cracks.
  - b) Threat deformation.
  - c) Bolt deformation (bend or elongation).



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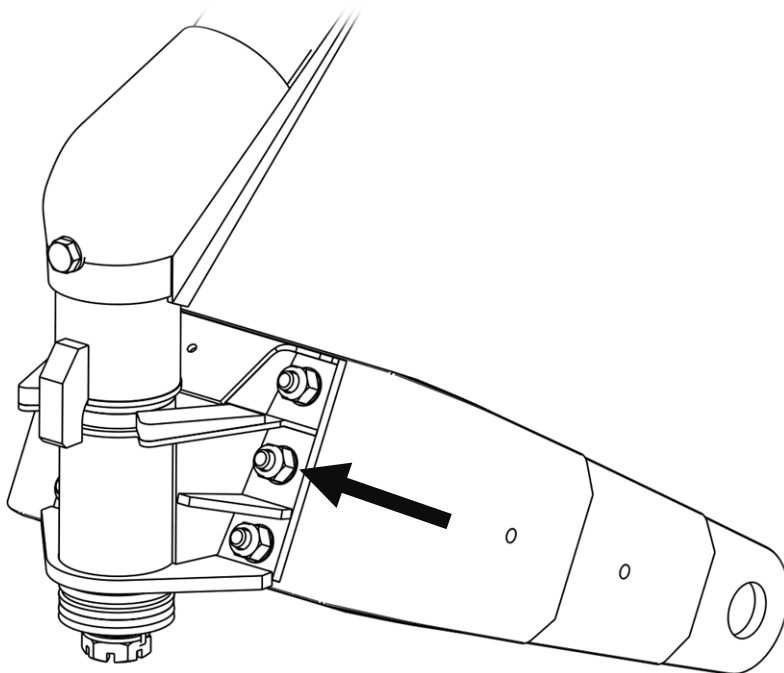


Fig. 1: Front landing leg

- 5) Replace all bolts, nuts and washers (6pcs).
- 6) Use fresh nuts and washers (item 002 and 003) for assembly. Tighten the new bolts to the prescribed torque of 8 Nm.
- 7) Fill and send Aircraft Failure Card (AFC) to [info@cruiseraircraft.cz](mailto:info@cruiseraircraft.cz) in case of any finding. Attach photos of damaged bolts (whole bolts, detail of damage and symbols on bolt head).
- 8) Restore the aircraft to airworthy condition.
- 9) Update aircraft records to reflect compliance with this Service Bulletin.

### APPROVAL:

This Service Bulletin has been approved by:

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



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