



CRUISER
AIRCRAFT

No.: SB-SC-091

DATE: 2022-06-30

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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:	Replacement of the lower engine hinge (without holes)
AIRCRAFT AFFECTED:	All SportCruiser / PiperSport aircraft
COMPLIANCE:	According to the owner's decision

DESCRIPTION:

This Service Bulletin contain instructions how to replace the lower engine hinge without predrilled holes.

AUTHORISATION TO PERFORM:

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

MANPOWER:

4 hours, 2 persons required

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.

MATERIAL:

ITEM No.	NOMENCLATURE	DESCRIPTION	QUANTITY
001	SF0168L ¹	Lower engine hinge assy-left	1 pc
002	SF0168P ¹	Lower engine hinge assy-right	1 pc
003	4410V002 ^{2,3}	Emfimastic PU50	1 pc
	N/A ^{2,3}	3M Marine Adhesive Sealant 5200	1 pc

¹ without holes, ² one of these, ³ order in local store

ACCOMPLISHMENT INSTRUCTIONS:

NOTE: Same procedure for left and right side.

- 1) Move the aircraft to a place suitable to perform the work.
- 2) Remove the engine cowlings.
- 3) Unscrew the engine mount nut and remove it together with the washer.
- 4) From the bottom side of the airplane, unscrew the nuts holding the lower engine hinge. See the Fig. 1.

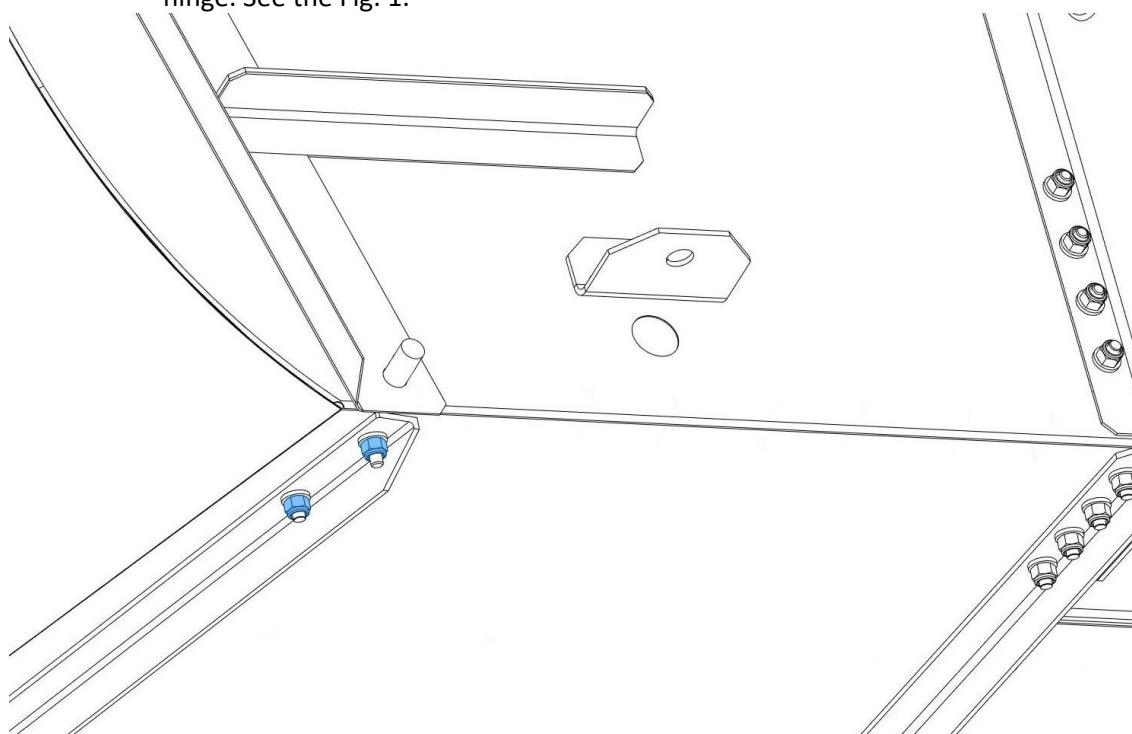


Fig. 1: Lower engine hinge nuts

- 5) Remove the bolts.
- 6) Remove the old lower engine hinge from the cabin. See the Fig. 2.
- 7) Remove the old adhesive residue.
- 8) Insert the new lower engine hinge to the original place.
- 9) Drill the 4,8 mm (3/16 in) holes to the new lower engine hinge.

NOTE: Paint the drilled holes with primer.



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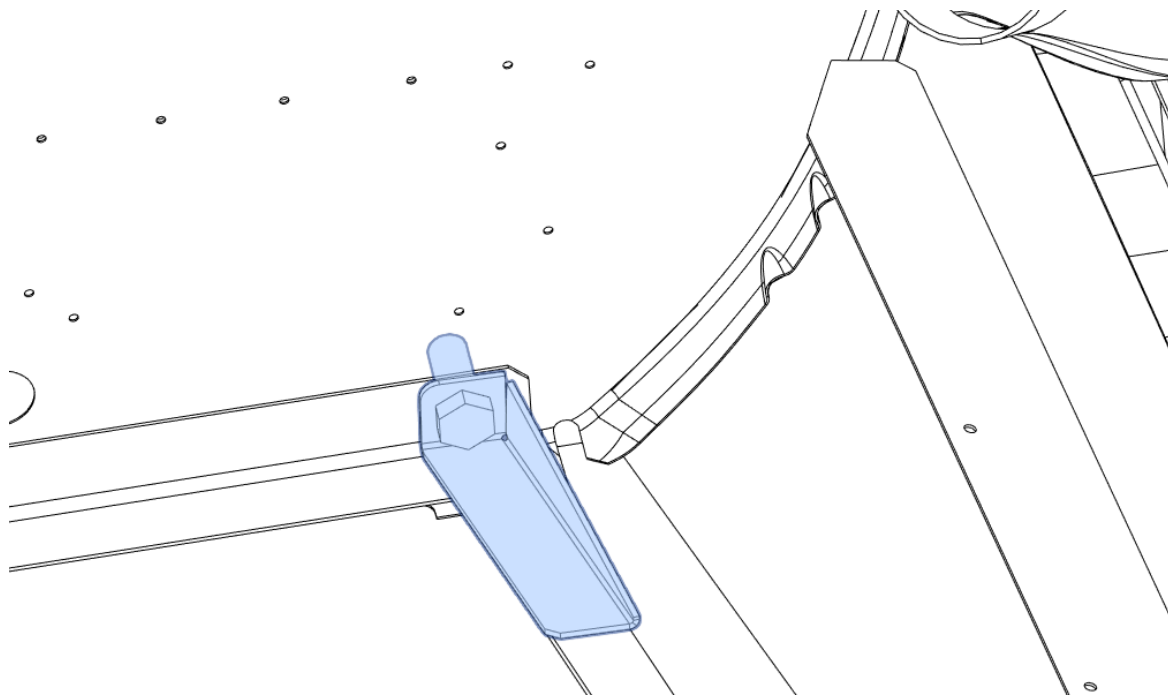


Fig. 2: Lower engine hinge

- 10) Apply adhesive (003) under the new lower engine hinge.
- 11) Insert the bolts from the upper side.
- 12) From the bottom side, insert the washer and screw the nut.
- 13) Insert washer and screw the nut to tighten the engine mount. Tighten using the prescribed tightening torque (see MM, Chapter 15).
- 14) Install the engine cowlings.
- 15) Restore the aircraft to airworthy condition.
- 16) 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:		



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