



CRUISER  
AIRCRAFT

No.: SB-SC-098

DATE: 2023-05-09

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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: -

<b>MODEL AFFECTED:</b>	SportCruiser / PiperSport operating outside EASA rules
<b>SUBJECT:</b>	Metal brake hoses
<b>AIRCRAFT AFFECTED:</b>	All SportCruiser / PiperSport aircraft
<b>COMPLIANCE:</b>	According to the owner's decision

## DESCRIPTION:

This Service Bulletin contain instructions how to replace plastic brake hoses for a metal brake hoses.

## AUTHORISATION TO PERFORM:

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

## MANPOWER:

5 hours

## SPECIAL TOOLS:

Common tools for aircraft maintenance.

## WEIGHT AND BALANCE:

Negligible weigh of approx. 300g added.

## 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: Can be bought as kit SG0006N.

NOTE: The bill of material is for both sides of the aircraft.

ITEM No.	NOMENCLATURE	DESCRIPTION	QUANTITY
001	SG0007N	Nut /orange/	2 pcs
002	SG0008N	Ring insert /pink/	2 pcs
003	SG0011N	Brake hose (metal) /blue/	2 pcs
004	3436L090	Insert /green/	2 pcs
005	512H2201	Hose	0.2 m
006	3331A005	Lock tie	10 pcs
007	4610A005	Loctite 545	2 g

## ACCOMPLISHMENT INSTRUCTIONS:

NOTE: During the implementation of this SB follow AC43-13 and AMM.

- 1) Move the aircraft to a place suitable to perform the work.
- 2) Drain the brake fluid through the drain valve.
- 3) Remove the brake hose holders (sleeves). Clean old glue.
- 4) Disconnect the hose from the fitting in the brake caliper. Remove and clean old Loctite.
- 5) Remove the seats, pull out the brake hose about 100mm. Arrange the hoses.
- 6) Align the hose from the bottom with the metal hose and shorten it by the length of the metal hose.
- 7) Install the fittings on the original hose and assemble them with the counterbore on the metal hose. Glue with Loctite.

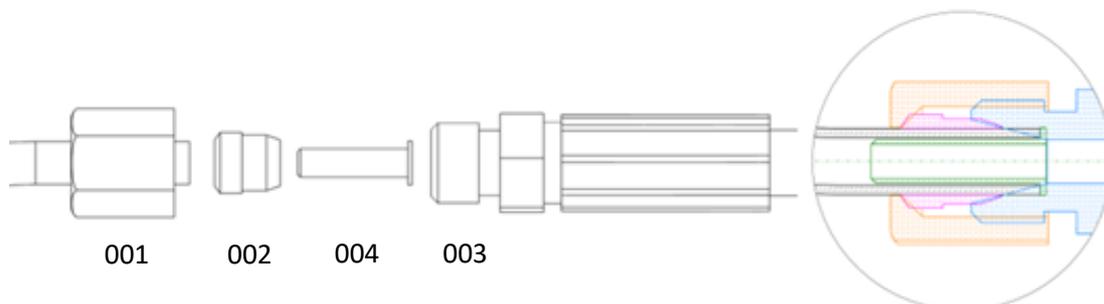


Fig. 1: Detail of fitting.

NOTE: Pay attention about correct orientation of ring insert, see Fig. 1.

- 8) Install fittings to the brake caliper and assemble them with a metal hose. Seal with Loctite.
- 9) Attach hose with lock ties and hoses to main landing gear leg. See Fig. 2 and Fig. 3.



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NOTE:  
Shown without fairings.

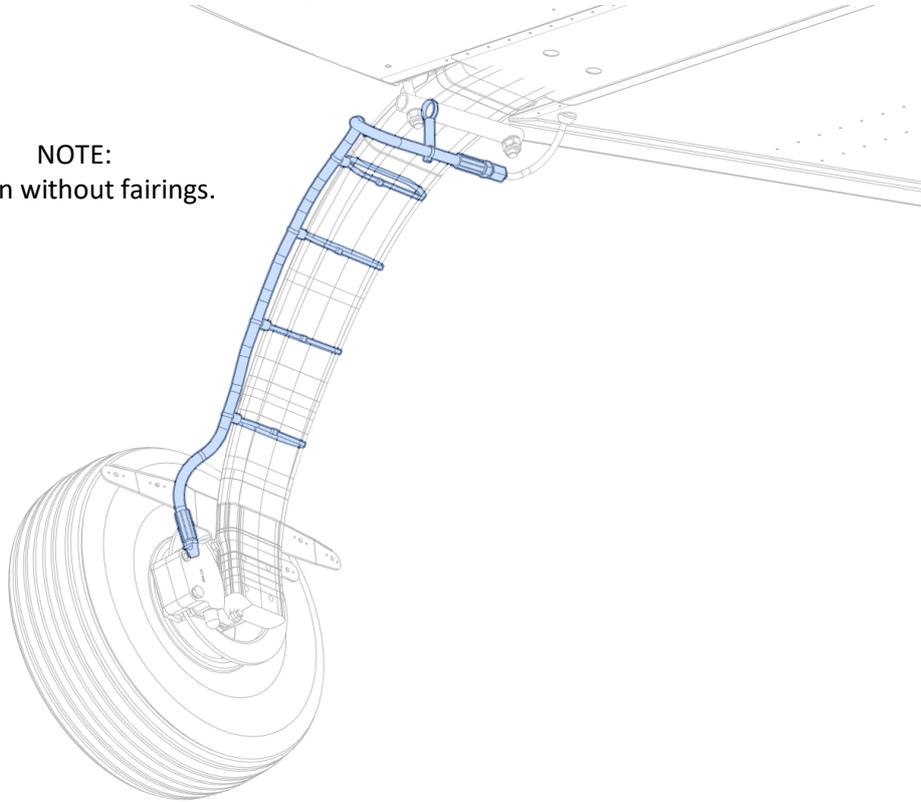


Fig. 2: Brake hose

10) Fasten with lock tie. See Fig. 3.

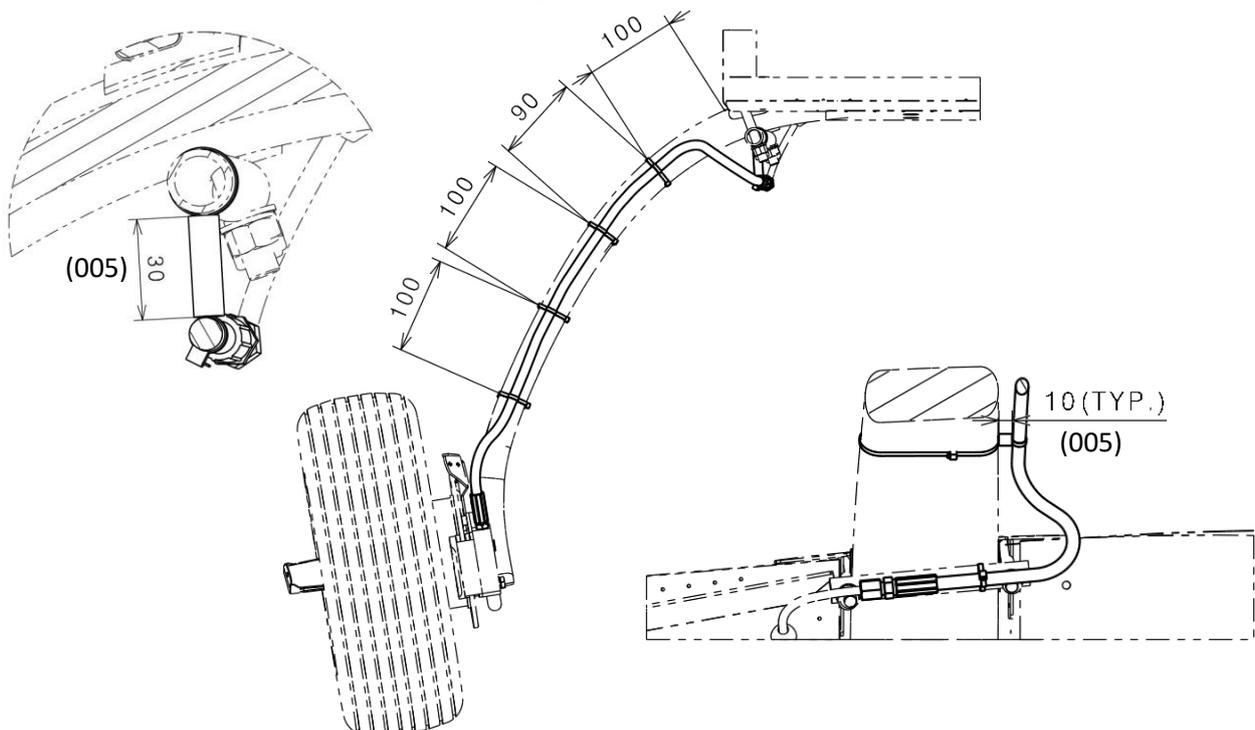


Fig. 3: Fasten hose

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- 11) Fill the brake system, check connections for tightness, and test brakes for functionality.
- 12) Restore the aircraft to airworthy condition.
- 13) Update aircraft records to reflect compliance with this Service Bulletin.



Fig. 4: Brake with metal brake hose

### **APPROVAL:**

This Service Bulletin has been approved by:

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