



CRUISER
AIRCRAFT

No.: SB-CR-102

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: -

MODEL AFFECTED:	PS-28 Cruiser / PS-28N Cruiser SportCruiser / PiperSport operating under EASA rules
SUBJECT:	Metal brake hoses
AIRCRAFT AFFECTED:	All PS-28 Cruiser and PS-28N Cruiser aircraft All SportCruiser / PiperSport operating under EASA rules
COMPLIANCE:	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:

Part M or Part 145 Maintenance organization

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 MM.

- 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.

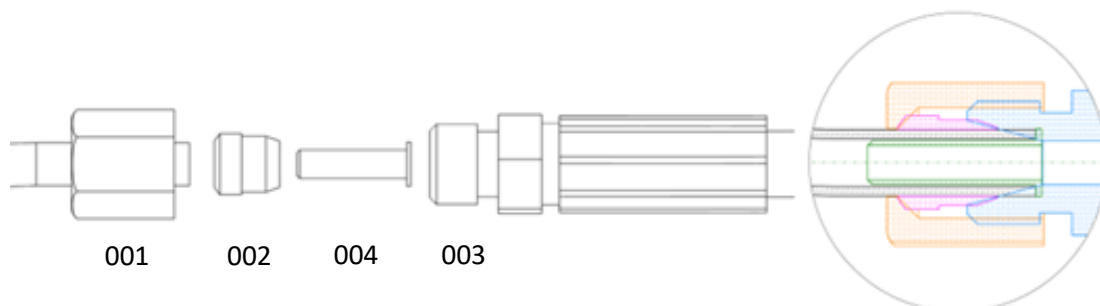


Fig. 1: Detail of fitting.

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.

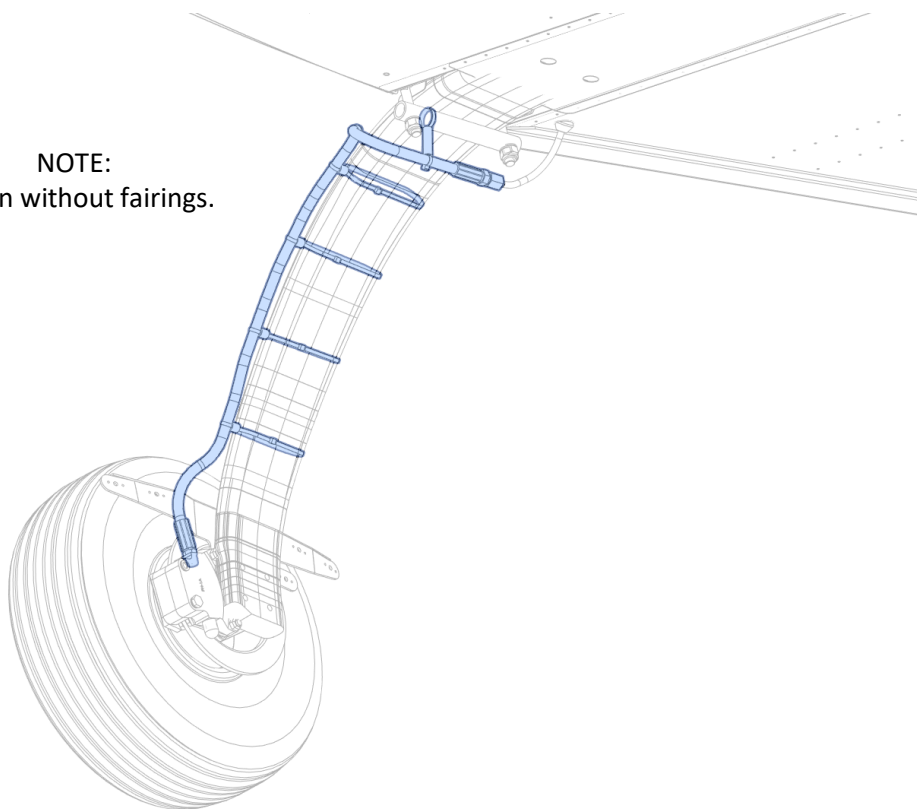


Fig. 2: Brake hose

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

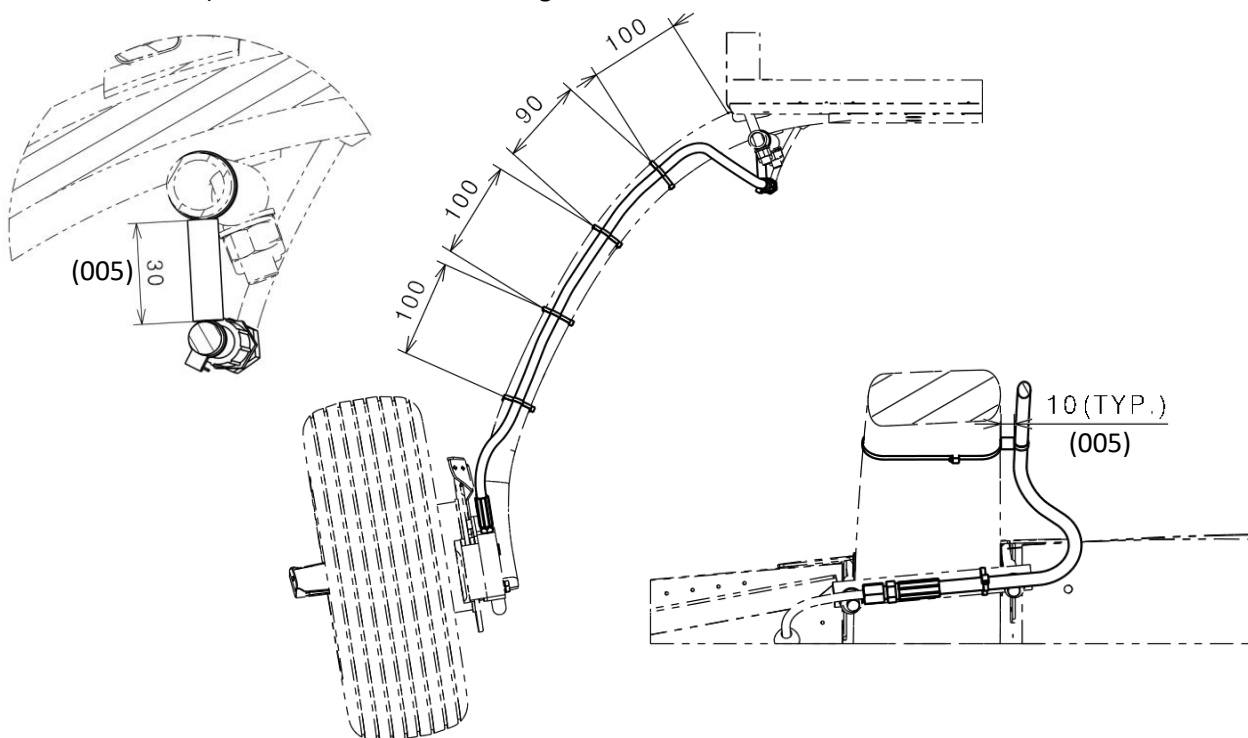


Fig. 3: Fasten hose

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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:

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