

 <b>CZECH SPORT AIRCRAFT</b>	<b>SAFETY ALERT / SAFETY DIRECTIVE</b>	Czech Sport Aircraft a.s. Na Záhonech 212, 686 04 Kunovice Czech Republic office@czechsportaircraft.com
		No.: SA-SC-006
		Date: 2017-10-16
		Page: 1 of 3
		Rev.: -
		Date: -

<b>MODEL AFFECTED:</b>	SportCruiser
<b>SUBJECT:</b>	Fuel return line
<b>AIRCRAFT AFFECTED:</b>	All SportCruiser aircraft till S/N 09SC273 inclusive, i.e. all SportCruiser aircraft produced till 14 May, 2009.
<b>COMPLIANCE:</b>	Execution of this Safety Alert is mandatory and must be performed immediately. Instructions contained herein, if not followed and observed, may lead to vapour lock, resulting in a possible loss of engine power. This Safety Alert is temporary till it is replaced by other instructions.

**DESCRIPTION:**

The purpose of this Safety Alert is to inform the Sport Cruiser operators and owners about mandatory fuel return line installation that is required to be incorporated within the aircraft fuel system design. Refer to the Rotax Installation Manual 912 Series, the latest revision, Chapter 73-00-00, Fuel system.

**AUTHORISATION TO PERFORM:**

Owner / pilot / Maintenance or Service organization

**REASON:**

Implementation of the fuel return line is required by the Rotax Company. The purpose of the fuel return line is to bleed off any vapours that may form within the fuel system that could cause vapour lock resulting in a possible loss of engine power.

**MANPOWER:**

Approximately 0.5 working hours.

**SPECIAL TOOLS:**

Common tools for aircraft servicing.

**WEIGHT AND BALANCE:**

Not affected.

**ELECTRICAL LOAD DATA:**

Not affected.

**REFERENCES:**

ROTAX Installation Manual 912 Series, latest revision  
 ROTAX Maintenance Manual, latest revision  
 ROTAX Operators Manual 912 Series, latest revision  
 ROTAX Service Instruction SI912 i 001R4, SI-912-016R9

**PUBLICATIONS AFFECTED:**

SportCruiser / PiperSport Maintenance Manual, SC-AMM-1-0-00, Rev.10.

**MATERIAL:**

N/A

**COSTS:**

N/A



## SAFETY ALERT / SAFETY DIRECTIVE

### ACCOMPLISHMENT INSTRUCTIONS:

To accomplish this bulletin, carry out the following steps:

1. Check the aircraft fuel installation whether the fuel return line is installed or not (steps 2 - 4).
2. Move the aircraft to a suitable place to perform the work.
3. Remove the engine upper cowling (see the SC-AMM-1-0-00, the latest revision).
4. Look at the engine and check if the fuel return line is installed in the fuel system of the aircraft, as per the pictures below.

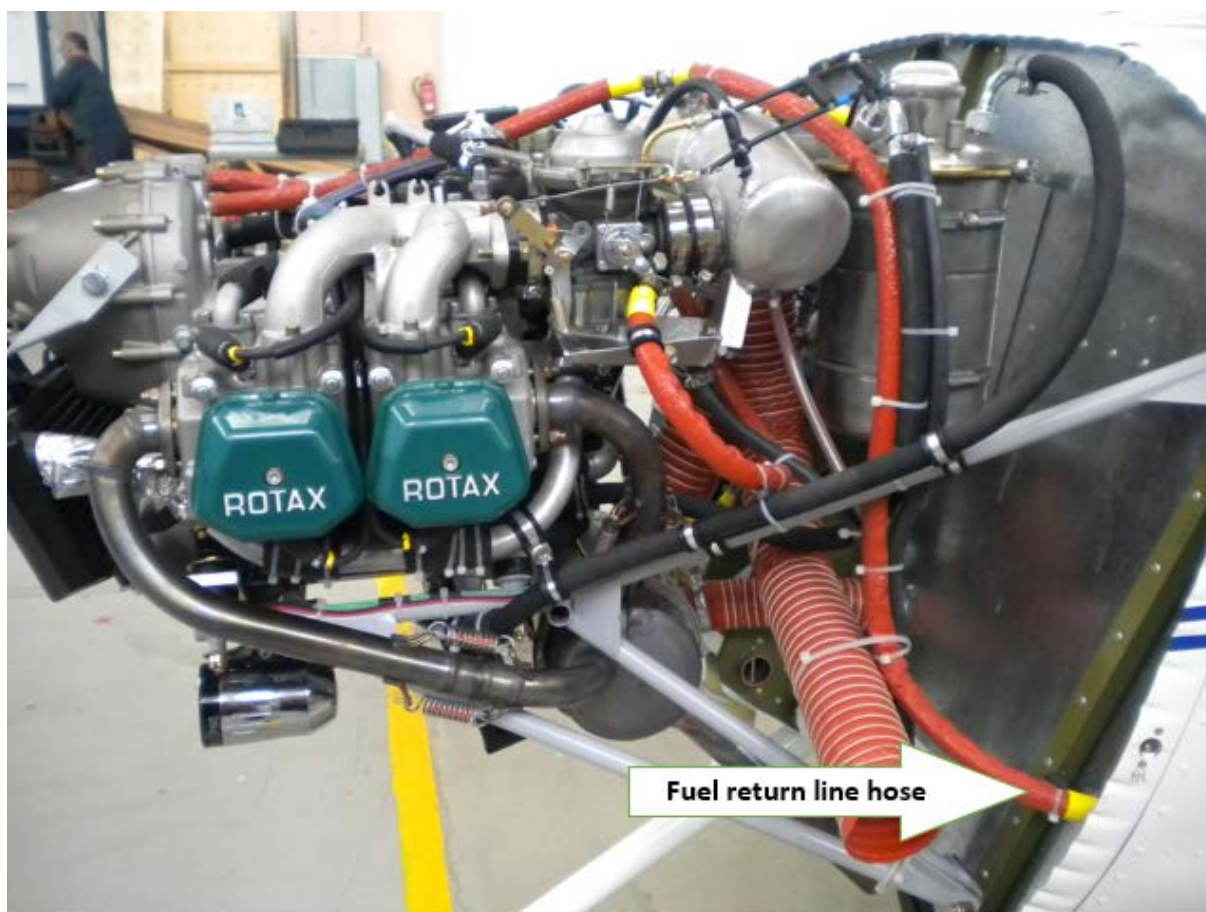


Figure 1 – Fuel system with the fuel return line

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Figure 2 – Fuel system without the fuel return line

5. a) If the fuel return line hose is installed, enter the following text into the aircraft log book: *"The SA-SC-006 applicability has been checked with the result: not applicable"*. The SA-SC 006 compliance will be thereby duly completed in such a case.
- b) If the fuel return line hose is missing, follow and apply the following steps and instructions when operating the aircraft:
  - Switch the electrical fuel pump to "ON" and use it during take-off and landing. Operate the engine within the specified pressure limits, see the latest Operators Manual 912 Series, chap. 2.1.
  - Use only the AVGAS 100 LL fuel, according to the latest ROTAX Operators Manual 912 Series, chap.2.4.

NOTE: Be aware of the maintenance checks / intervals related to the use of leaded AVGAS fuels, see the latest ROTAX Maintenance Manual, chap. 5, ROTAX Service Instruction SI912 i 001R4, SI-912-016R9.
6. Install the engine upper cowling back (see the SC-AMM-1-0-00, the latest revision).
7. Complete the aircraft records (log book) to reflect compliance with this Safety Alert.

**APPROVAL:**

This Safety alert/Safety directive has been approved by:

<b>Title</b>	Head of the Design Organisation	Airworthiness Manager
<b>Name</b>	Jiří Konečný	Miroslav Koukal
<b>Signature</b>	