

 CZECH SPORT AIRCRAFT	SAFETY ALERT / SAFETY DIRECTIVE	Czech Sport Aircraft a.s. Na Záhonech 212, 686 04 Kunovice Czech Republic office@czechsportaircraft.com
		No.: SA-SC-011
		Date: 2018-08-30
		Page: 1 of 3
		Rev.: 2 Date: 2018-11-19

MODEL AFFECTED:	SportCruiser / PiperSport (except the aircraft under EASA Permanent Flight Conditions)
SUBJECT:	Additional information and instructions in POH with respect to: <ul style="list-style-type: none"> - handling the engine at idling flight regime; - use of correct fuel type in relation to outside temperature; - use of electrical fuel pump.
AIRCRAFT AFFECTED:	All SportCruiser and PiperSport aircraft
COMPLIANCE:	Execution of this Safety Alert is mandatory and must be performed immediately. Instructions contained herein, if not followed and observed, may lead to unsafe conditions, resulting in a possible vapor lock, loss of engine power or engine failure.

DESCRIPTION:

The purpose of this Safety Alert is to provide the SportCruiser / PiperSport operators and owners with additional information and instructions about:

- handling the engine at idle flight regime;
- use of correct fuel type in relation to the outside temperature;
- use of the electrical fuel pump.

This information and these instructions address several safety issues experienced in the past and are based on the FAA recommendations.

Information and instructions contained in this Service Alert become effective and mandatory immediately for all SportCruiser / PiperSport aircraft owners and pilots as of this Service Alert issue and it is on full responsibility of the pilots to follow all the instructions contained in this Service Alert.

The updated POH pages for the aircraft affected by this Service Alert will be provided through a Service Bulletin that will be issued by the aircraft OEM.

AUTHORISATION TO PERFORM:

Owner / pilot

REASON:

Dissemination of this Safety Alert's information and compliance with its instructions should increase the operational safety level of the affected aircraft.

MANPOWER:

N/A

SPECIAL TOOLS:

N/A

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WEIGHT AND BALANCE:

N/A

ELECTRICAL LOAD DATA:

N/A

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.13
SportCruiser / PiperSport Pilot's Operating Handbook.

MATERIAL:

N/A

COSTS:

N/A

ACCOMPLISHMENT INSTRUCTIONS:

To accomplish this Safety Alert, read the following information and then follow these instructions carefully and during aircraft operation:

1. Handling the engine at idle flight regime

In POH, Section NORMAL PROCEDURES, point Approach: the original text in the frame CAUTION is to be replaced by the following new wording:

quote

“If, during descent, the engine cools to the minimal approved temperature, increase the power and reduce the descent rate to avoid overcooling the engine.”

unquote.

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2. Use of correct fuel type in relation to the outside temperature

In POH, in all paragraphs where any information about the fuel is mentioned, the following text in the frame WARNING is to be added:

quote

“WARNING

Use only fuel formulated for the specific climate zone.

Pay special attention to the current outside air temperature.

Do not use winter MOGAS blends in warmer than normal temperatures.

RISK OF VAPOR FORMATION IF WINTER FUEL IS USED FOR SUMMER OPERATION.”

unquote.

3. Use of the electrical fuel pump

In POH, instructions for use of the electrical fuel pump is to be modified as follows:

quote

“The electrical fuel pump shall be ON during engine start, engine warm up, taxiing, take-off, climb, approach and landing. The electrical fuel pump shall be ON also at all those situations when vapor lock is suspected or when any engine power reduction occurs.”

unquote.

4. Complete the aircraft records (log book) to reflect compliance with this Safety Alert.

APPROVAL:

This Safety Alert / Safety Directive has been approved by:

Title	Head of the Design Organisation	Airworthiness Manager
Name	Jiří Konečný	Miroslav Koukal
Signature		