

Czech Sport Aircraft a.s.	SERVICE BULLETIN	Czech Sport Aircraft a.s. Na Záhonech 1177/212, 686 04 Kunovice Czech Republic office@czechsportaircraft.com
No. SB-CR-024		Rev.: 2
Date: 2014-10-16		
Page: 1 of 2		Date: 2015-04-08

MODEL AFFECTED:	SportCruiser, PiperSport, PS-28 Cruiser
SUBJECT:	Periodic inspection of the float buoyancy of ROTAX engine type 912 and 914 (Series)
AIRCRAFT AFFECTED:	All SportCruiser aircraft produced All PiperSport aircraft produced All PS-28 Cruiser aircraft produced Note: Aircraft where is known that the affected engine is installed: SportCruiser C0423, C0460, C0462, C0463, C0464, C0471, C0480, C0481, C0483, C0484, C0486, C0491, C0492, C0493, C0494, C0495, C0496, C0497, C0499, C0501, C0503, C0505, C0523, C0524, C0525, C0526, C0527, C0528 PS-28 Cruiser C0409, C0433, C0435, C0438, C0443, C0444, C0457, C0458, C0476, C0485, C0487, C0488, C0489, C0498, C0500, C0502, C0506, C0507, C0508, C0509, C0510, C0511, C0512, C0513, C0514, C0516, C0518, C0521
COMPLIANCE:	After receipt of this SB, refer to ROTAX SB-912-065 R3 / SB-914-046 R3, SB-912-065UL R3/ SB-914-046UL R3 <u>Note:</u> The installation of new floats as per SB-CR-026 supersedes and cancels the re-quirement to comply with SB-CR-024 (latest issue).

DESCRIPTION:

SportCruiser, PiperSport, PS-28 Cruiser are equipped with Rotax 912ULS2 or Rotax 912S2 engines.

Rotax has released a Mandatory Bulletin requiring periodic check of the carburetor floats on certain Rotax 912/914 series engines and carbs.

REASON:

According to this Bulletin, due to a deviation in the manufacturing process some floaters could absorb more fuel and so have more weight. This leads to a loss of float buoyancy and wrong regulation of the fuel in the float chamber. Possible effects may be a rough engine running, especially at low speeds and under circumstances loss of performance and/or fuel leakage in the area of the carburetor.

SUBJECT:

Refer to ROTAX SB-912-065 R3 / SB-914-046 R3, SB-912-065UL R3 / SB-914-046UL R3

MANPOWER:

Refer to ROTAX SB-912-065 R3 / SB-914-046 R3, SB-912-065UL R3 / SB-914-046UL R3

WEIGHT AND BALANCE:

Not affected

ELECTRICAL LOAD DATA:

Not affected

REFERENCES:

PS-28 Cruiser / SportCruiser Maintenance Manual, Doc. No. CR-MM-1-0-00
SportCruiser Airplane Maintenance Manual, SC-AMM-1-0-00

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SB-912-065 R3 / SB-914-046 R3, SB-912-065UL R3 / SB-914-046UL R3

MATERIAL:

Refer to ROTAX SB-912-065 R3 / SB-914-046 R3, SB-912-065UL R3 / SB-914-046UL R3

ACCOMPLISHMENT INSTRUCTIONS:

Step 1 – mandatory for all SportCruiser, PiperSport, PS-28 Cruiser aircraft produced

- 1.1 Check aircraft maintenance records for information about engine exchange.
- 1.2 If there is found that on aircraft is currently installed different engine S/N then originally by aircraft manufacturer, then cross check engine serial numbers in ROTAX SB-912-065 R3 / SB-914-046 R3, SB-912-065UL R3 / SB-914-046UL R3 to assure this SB does not affect it.
- 1.3 If installed engine is SB affected, continue to Step 2.
- 1.4 Check maintenance record for installed engine for information if floaters part no. 861184 have not been installed as spare part or during engine repair/general overhaul since 1. July 2012. If there is found, that the floaters have been changed, continue to Step 2.
- 1.5 Check maintenance record for installed engine for information if carburetors have not been changed. If there is found, then cross check carburetors serial numbers in ROTAX SB-912-065 R3 / SB-914-046 R3, SB-912-065UL R3 / SB-914-046UL R3 to assure this SB does not affect it. The carburetor and/or the float may have been removed from the first delivery engine and used on another one. Therefore the serial number of the carburetor is also important as the engine serial number.
- 1.6 If installed carburetors are affected, continue to Step 2.
- 1.7 Annotate aircraft maintenance records to reflect compliance with this bulletin.

Step 2 – mandatory for affected aircraft where is known that affected engine is installed and aircraft specified in Step 1

- 2.1 Remove engine cowling.
- 2.2 Disconnect battery.
- 2.3 Comply with SB-912-065 R3 / SB-914-046 R3, SB-912-065UL R3 / SB-914-046UL R3.
- 2.4 Connect battery.
- 2.5 Install engine cowling.
- 2.6 Restore aircraft to the airworthy condition.
- 2.7 Conduct test run including ignition check and leakage test.
- 2.8 Annotate aircraft maintenance records to reflect compliance with this bulletin.

APPROVAL:

This SB was approved by:

Title	Head of the Design Organisation	Airworthiness Manager
Name	Jiří Konečný	Marek Kotolan
Hand written signature		