

Czech Sport Aircraft a.s.	SAFETY ALERT / SAFETY DIRECTIVE	Czech Sport Aircraft a.s. Na Záhonech 212, 686 04 Kunovice Czech Republic office@czechsportaircraft.com
No. SA-CR-005		Rev.: -
Date: 2016-08-08		
Page: 1 of 2		Date: -

MODEL AFFECTED:	PS-28 Cruiser
SUBJECT:	Check / Exchange of floats on Rotax engine type 912 (Series)
AIRCRAFT AFFECTED:	All PS-28 Cruiser aircraft
COMPLIANCE:	Before the next flight

DESCRIPTION:

PS-28 aircraft are equipped with Rotax 912ULS2 or Rotax 912S2 engines.

Rotax manufacturer has released the **Alert Service Bulletins ASB-912-069ULR1, ASB-914-051ULR1, ASB-2ST-003R1, ASB-912-069R1 and ASB-914-051R1** which cover checking/exchange of floats on Rotax engines type 912 and 914 (Series).

REASON:

Due to a quality escape in the manufacturing process of certain floats, Part Number (P/N) 861185, a partial separation of the float outer skin may occur during engine operation. Separated particles could lead to a restriction of the jets in the carburetor, possibly reducing or blocking the fuel supply to the affected cylinder.

This condition, if not detected and corrected, could lead to in-flight engine shutdown and forced landing, possibly resulting in damage to the airplane and injury occupants.

To address this unsafe condition, BRP-Powertrain published Alert Service Bulletin (ASB) ASB-912-069ULR1, ASB-912-069R1 / ASB-914-051ULR1, ASB-914-051R1 providing instructions for identification and replacement of the affected parts.

SUBJECT:

Refer to the ROTAX ASB-912-069ULR1, ASB-912-069R1.

MANPOWER:

Refer to the ROTAX ASB-912-069ULR1, ASB-912-069R1.

WEIGHT AND BALANCE:

Not affected

ELECTRICAL LOAD DATA:

Not affected

REFERENCES:

PS-28 Cruiser Maintenance Manual, Doc. No. CR-MM-1-0-00.
Refer to ROTAX ASB-912-069ULR1, ASB-912-069R1.

MATERIAL:

Refer to ROTAX ASB-912-069ULR1, ASB-912-069R1.

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Page: 2 of 2		Date: -

ACCOMPLISHMENT INSTRUCTIONS:

Engines affected by the ROTAX ASB-912-069ULR1, ASB-912-069R1 were not installed to PS-28 Cruiser aircraft by the manufacturer. Nevertheless, an operator could install affected engines or carburetors in operation. For this reason:

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

- 1.1 Check the engine logbook and maintenance documentation, if the ASB-912-069ULR1, ASB-912-069R1 have already been accomplished. If yes, requirements of this Safety Alert / Safety Directive are complied with and no other action is needed. If no, continue with the next point.
- 1.2 Follow the Rotax ASB-912-069ULR1, ASB-912-069R1 and check the Engine Serial Number (Criterion A in the bulletin).
- 1.3 Follow the Rotax ASB-912-069ULR1, ASB-912-069R1 and check the Serial Numbers of both carburetors (Criterion B in the bulletin).
- 1.4 If the installed engine or carburetors are affected by the ASB, continue to Step 2. If not affected, continue with the next point.
- 1.5 Update the aircraft maintenance records to reflect the compliance with this Safety Alert / Safety Directive.

Step 2 – mandatory for aircraft specified in Step 1

- 2.1 Remove engine cowling.
- 2.2 Disconnect battery.
- 2.3 Comply with ROTAX ASB-912-069ULR1, ASB-912-069R1.
- 2.5 Connect battery.
- 2.7 Install engine cowling.
- 2.8 Restore aircraft to the airworthy condition.
- 2.9 Conduct test run including ignition check and leakage test.
- 2.10 Update the aircraft maintenance records to reflect the compliance with this Safety Alert / Safety Directive.

APPROVAL:

This SA/SD was approved by:

Title	Head of the Design Organisation	Airworthiness Manager
Name	Jiří Konečný	Miroslav Koukal
Hand written signature		