

Czech Sport Aircraft a.s.	SAFETY ALERT / SAFETY DIRECTIVE	Czech Sport Aircraft a.s. Na Záhonech 1177/212, 686 04 Kunovice Czech Republic office@czechsportaircraft.com
No. SA-SC-002		Rev.: 2
Date: 2011-11-16		
Page: 1 of 2		Date: 2012-06-12

MODEL AFFECTED:	SportCruiser, PiperSport, PS-28 Cruiser
SUBJECT:	Check of the crankshaft journal of Rotax 912 ULS2 engine
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 S/N P1102012, P1102017, P1102019
COMPLIANCE:	After receipt of this SA/SD, refer to ROTAX ASB-912-059UL / ASB-912-059

DESCRIPTION:

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

Rotax has released an **Alert Service Bulletin** which covers checking of the crankshaft journal for cracks on certain Rotax 912 and 914 series aircraft engines including a small portion of serial specific crankshafts sold as spare parts.

Three SportCruiser aircraft (S/N P1102012, P1102017, P1102019) are equipped with Rotax 912 ULS2 engines (S/N 6777627, 6777624, 6777626), which are affected with Rotax ALERT SERVICE BULLETIN ASB-912-059UL.

REASON:

According to this Bulletin, due to a deviation in the manufacturing process some crankshafts may have a crack formation occur on the power take off side. These cracks can cause a breakage of the crankshaft support bearing and may lead to engine stoppage.

SUBJECT:

Refer to ROTAX ASB-912-059UL / ASB-912-059

MANPOWER:

Refer to ROTAX ASB-912-059UL / ASB-912-059

WEIGHT AND BALANCE:

Not affected

ELECTRICAL LOAD DATA:

Not affected

REFERENCES:

PS-28 Cruiser / SportCruiser Maintenance Manual, Doc. No. CR-MM-1-0-00
Refer to ROTAX ASB-912-059UL / ASB-912-059

MATERIAL:

Refer to ROTAX ASB-912-059UL / ASB-912-059

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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 ASB-912-059UL / ASB-912-059 to assure this ASB does not affect it.
- 1.3 If installed engine is ASB affected, continue to Step 2.
- 1.4 Check maintenance record for installed engine. If there is found, that on engine was the crankshaft changed, then cross check crankshaft serial numbers in ROTAX ASB-912-059UL / ASB-912-059 to assure this ASB does not affect it.
- 1.5 If installed crankshaft is affected, continue to Step 2.
- 1.6 Annotate aircraft maintenance records to reflect compliance with this bulletin.

Step 2 – mandatory for SportCruiser S/N P1102012, P1102017, P1102019 and aircraft specified in Step 1

- 2.1 Remove engine cowling.
- 2.2 Disconnect battery.
- 2.3 Remove propeller.
- 2.4 Comply with ROTAX ASB-912-059UL / ASB-912-059
- 2.5 Install propeller.
- 2.6 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 Annotate aircraft maintenance records to reflect compliance with this bulletin.

APPROVAL:

This SA/SD was approved by:

Title	Head of the Design Organisation	Airworthiness Manager
Name	Jiří Konečný	Josef Vlachynský
Hand written signature		