 <b>CZECH SPORT AIRCRAFT</b>	<h1>SERVICE BULLETIN</h1> <div style="border: 1px solid red; padding: 5px; display: inline-block; margin: 10px 0;"> <h2>MANDATORY</h2> </div>	Czech Sport Aircraft a.s. Na Záhonech 212 686 04 Kunovice Czech Republic office@czechsportaircraft.com	
		No. SB-CR-044	Rev.: -
		Date: 2017-11-30	Date: -
		Page: 1 of 2	

<b>MODEL AFFECTED:</b>	PS-28 Cruiser SportCruiser / PiperSport – operating under EASA PFC
<b>SUBJECT:</b>	Inspection and / or replacement of the valve push-rod-assy. for ROTAX® Engine Type 912 S2 and 912 ULS2
<b>AIRCRAFT AFFECTED:</b>	Aircraft serial numbers C0589, C0590, C0601, C0602, C0603, C0604, C0605, C0606, C0607 All other aircraft the engine of which has been equipped with valve push-rod assy. part no.854861 during the engine repair, maintenance or general overhaul within the period as of 01 May 2016 till 30 November 2017, inclusive.
<b>COMPLIANCE:</b>	<ul style="list-style-type: none"> <li>◆ Carry out inspection of the engine on the aircraft listed in section “AIRCRAFT AFFECTED” above, according to the instructions stipulated in section 13 below, upon the next scheduled maintenance event or within the next 25 hours of operation, whatever occurs earlier, but in any case till 30 April 2018, at the latest.</li> <li>◆ At rough engine running, or unusual engine operating behaviour carry out this Service Bulletin before the next flight</li> </ul>

### 1. DESCRIPTION:

This Mandatory Service Bulletin contains instructions for inspection and / or replacement of the valve push-rod-assy., rocker arm left/right for ROTAX® Engine Type 912 S2 and 912 ULS2. Power loss and engine RPM drop have been reported on Rotax 912 engines in service. It has been determined that, due to a quality control deficiency in the manufacturing process of certain push-rod assemblies manufactured between 01 May 2016 and 02 October 2017 inclusive, partial wear on the rocker arm ball socket may occur, which may lead to malfunction of the valve train.

### 2. APPROVAL:

The corrective action is mandatory and is EASA approved under Minor Change Approval No. 10063870, dated 24 November 2017.

### 3. AUTHORISATION TO PERFORM:

See Doc. CR-MM-1-0-00-S-01 / Supplement No.1 to Doc. No. CR-MM-1-0-00, point 10.5 - “Authorization to perform”.

### 4. REASON:


The wear on the rocker arm ball, if not detected and corrected, might lead to a rocker arm cracking / fracture in consequence may lead to a malfunction of the valve train, rough engine operation and loss of power, possibly resulting in a forced landing, with consequent damage to the airplane and injury to occupants.

### 5. MANPOWER:

Max. 1 hour

### 6. SPECIAL TOOLS:

See Doc. CR-MM-1-0-00-S-01 / Supplement No.1 to Doc. No. CR-MM-1-0-00, point 10.6 - “Tools needed”.

 CZECH SPORT AIRCRAFT	<h1>SERVICE BULLETIN</h1> <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <h2 style="margin: 0;">MANDATORY</h2> </div>	Czech Sport Aircraft a.s. Na Záhonech 212 686 04 Kunovice Czech Republic office@czechsportaircraft.com
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**7. WEIGHT AND BALANCE:**

Not affected.

**8. ELECTRICAL LOAD DATA:**

Not affected.

**9. REFERENCES:**

See CR-MM-1-0-00-S-01 - Supplement No.1 to Doc.No. CR-MM-1-0-00 - Inspection and / or replacement of the valve push-rod-assy., rocker arm for Rotax® engine type 912 S2 and 912 ULS2, point 10.3 - "References".

**10. PUBLICATIONS AFFECTED:**

PS-28 Cruiser Maintenance Manual doc. No. CR-MM-1-0-00:

See **CR-MM-1-0-00-S-01** / Supplement No.1 to Doc. No. CR-MM-1-0-00 - Inspection and / or replacement of the valve push-rod-assy., rocker arm for Rotax® engine type 912 S2 and 912 ULS2.

**11. MATERIAL AND COST:**

See Doc. CR-MM-1-0-00-S-01 / Supplement No.1 to Doc. No. CR-MM-1-0-00, point 10.7 - "Material". All related costs to be born by the aircraft owner/operator.

**12. SPECIAL TOOLING / LUBRICANT ADHESIVES / SEALING COMPOUND / PRICE AVAILABILITY**

See Doc. CR-MM-1-0-00-S-01 / Supplement No.1 to Doc. No. CR-MM-1-0-00, point 10.8 - "Special tooling / lubricant adhesives / sealing compound / availability".

**13. ACCOMPLISHMENT INSTRUCTIONS**

- Follow instructions in Doc. CR-MM-1-0-00-S-01 - Supplement No.1 to Doc. No. CR-MM-1-0-00, point 10.9 - "Accomplishment instructions".
- Complete aircraft records to reflect compliance with this service bulletin.

NOTE: If the aircraft is not affected by this service bulletin, enter the following text into the aircraft logbook: "The SB-CR-044 applicability has been checked with the result: not applicable".

**14. APPENDIX**

See Doc. CR-MM-1-0-00-S-01 / Supplement No.1 to Doc. No. CR-MM-1-0-00, point 10.10 - "Supporting pictures".

**APPROVAL:**

This SB has been approved by:

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