



**TOMARK, s.r.o.**  
Strojnícka 5  
080 01 Prešov

# SERVICE BULLETIN

No: **SB\_SD4-06-2017**

Date: **20.OCT 2017**

Revision: **2**

Date: **12.FEB 2018**

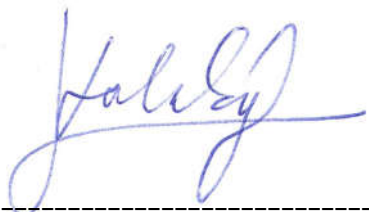
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Approval:

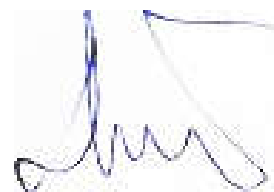
**SB approved under EASA approval 10062835**

<b>MODEL AFFECTED:</b>	EASA-TCDS No. EASA.A.606, issue 2, 12.APR 2016
<b>APPLICABILITY:</b>	<b>Criterion A)</b> <u>Viper SD-4</u> RTC SN: 20357, 20359, 20360, 21736 <b>Criterion B)</b> <u>Spare parts</u> : Further all engines are affected, which have been equipped with vale push-rod assy. part no. 854861 during engine repair, maintenance or general overhauls as of 01.MAY 2016
<b>SUBJECT:</b>	Inspection and/or replacement of the valve push-rod assy., rocker arm left and rocker arm right for ROTAX® Engine Type 912 i, 912 and 914 (Series) ATA System: 72-30-00 Cylinder head
<b>COMPLIANCE:</b>	<ul style="list-style-type: none"> <li>- Before the initial installation in an aircraft and/or the initial start-up thereafter.</li> <li>- Carry out this inspection on the engines listed in section APPLICABILITY, according to the instructions in section 3 of SB-912-070_R1 at the next ROTAX® scheduled maintenance event or within the next 25 hours of operation, but at the latest after 200 days (from the date of the initial issue of this Service Bulletin).</li> <li>- At rough engine running or unusual of engine operating behaviour carry out and inspection in accordance to SB-912-070 R1 before the next flight.</li> </ul>
<b>DESCRIPTION:</b>	Inspection and/or replacement of the valve push-rod assy., rocker arm left and rocker arm right for ROTAX® Engine Type 912 i, 912 and 914 (Series)
<b>REASON:</b>	Due to deviations in the manufacturing process of the valve push-rod assy., partial wear on the rocker arm ball socket may occur. This wear might lead to a rocker arm cracking / fracture which in consequence may lead to a malfunction of the valve train. Possible effects are rough engine running or an unusual engine operating behaviour.
<b>MANPOWER:</b>	See SB-912-070 R1
<b>LABOR TIME:</b>	See SB-912-070 R1
<b>MATERIAL:</b>	Required parts for inspection: 840887 (4pcs) Allen screw M6x30 10.9 927941 (4pcs) Washer 6.0/12/1 881920 (1set) O-Ring set
	Required parts for replacement: 854861* (a.r.) Valve push-rod assy. 854383 (a.r.) rocker arm left 854393 (a.r.) rocker arm right  * or relevant part as per supersedure history (a.r.) – As Required

<b>TOOLING:</b>	Valve spring loading jig (1 pcs*) (part No 877387**) KLUBER ISOFLEX TOPAS NB 5051 (as required) (part No 898351***) * – Only needed if replacement task is required ** – or equivalent, e.g. valve spring mounting device assy. Part no. 877385 *** – or equivalent.
<b>REFERENCES:</b>	/1/ EASA AD no.: 2017-0208 /2/ SB-912-070 UL /3/ SB-912-070 R1 /4/ SI-912-009
<b>WEIGHT AND BALANCE:</b>	Change of weight – none Moment of inertia – unaffected
<b>ELECTRICAL LOAD DATA:</b>	Not affected
<b>SUPPORT INFORMATION:</b>	Refer to current issue of all relevant Service Instructions (SI) and Maintenance Manual Heavy (MMH)



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 Date: 12.FEB 2018



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 Approved by: Slavomír Dobrovič  
 Position: Head of Design  
 Date: 12.FEB 2018