



TOMARK, s.r.o.
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SERVICE BULLETIN

No: SB_SD4-01-2019

Date: 09.AUG 2019

Revision: Initial issue

Date: -

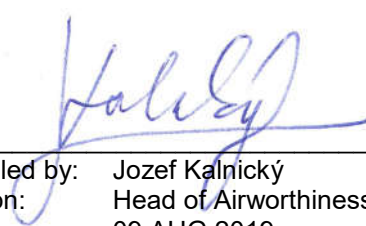
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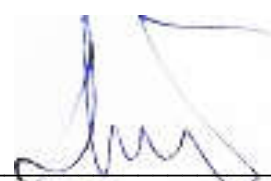
Approval:

SB approved under EASA MINOR CHANGE APPROVAL 10062835 rev.2

MODEL AFFECTED:	EASA-TCDS No. EASA.A.606, Issue 3, 01.April 2019																				
APPLICABILITY:	<p>Criterion A) <u>Viper SD-4 RTC aircrafts SN: 0096, 20357, 20359, 20360, 21736, 27345, 27426, 27428, 27754, 27805, 29019</u></p> <p>Criterion B) <u>Engines, carburetors and spare parts:</u> All engines Rotax 912 ULS are affected, which have been equipped with carburetors Rotax 1/3 part no. 892530 and Rotax 2/4 part no. 892535 with circlip Rotax part no. 945785 installed during production of respective carburetors or as a spare part or provided within a service kit carburetor, maintenance kit carburetor and overhaul kits during engine repair, maintenance or general overhaul or any other exchange action since 01.JAN 2015.</p>																				
SUBJECT:	Replacement of circlip Rotax part no. 945785 installed in both carburetors for ROTAX® Engine Type 912 ULS series by circlip Rotax part no. 945786 ATA System: 73-00-00 Fuel system.																				
COMPLIANCE:	<ul style="list-style-type: none"> - Immediately, on engines Rotax 912 ULS being installed during Viper SD-4 RTC airplanes production phase - Immediately, on uninstalled engines / spare parts - Within the next 25 hours of operation, but at the latest by July 31st 2020 the inspection and mandatory exchange of the circlip must be conducted according to the following instructions in Chapter 3 of Rotax SB-912-073 																				
DESCRIPTION:	TOMARK, s.r.o. as holder of EASA.A.606 identified that some Viper SD-4 RTC aircrafts in service and also currently in production equipped with Rotax 912 ULS2 engine are affected by MANDATORY Service Bulletin issued by engines manufacturer BRP-Rotax GmbH & CO KG: document SB-912-073UL / SB-914-055UL (d06768.fm)																				
REASON:	Due to deviations in the manufacturing process a partial fracture of the circlip may occur. This fracture might lead to a crack/ total fracture of the circlip which in consequence may lead to a malfunction of the carburetor. Possible effects might be rough engine running or an unusual engine operating behavior.																				
MANPOWER:	See Rotax SB-912-073/SB-914-055 Chapter 3) (https://www.flyrotax.com/services/technical-documentation.html)																				
LABOR TIME:	See Rotax SB-912-073/SB-914-055 Paragraph 1.7) (https://www.flyrotax.com/services/technical-documentation.html)																				
MATERIAL:	<p><u>Required tools for inspection and replacement:</u> As required in Rotax SB-912-073/SB-914-055 Paragraph 3.2) (3.2.1) and 3.2.2))</p> <p><u>Required parts for replacement</u></p> <table border="1"> <thead> <tr> <th>Rotax P/N</th> <th>Qty per engine</th> <th>Description</th> <th>Old Rotax P/N</th> </tr> </thead> <tbody> <tr> <td>945786</td> <td>2</td> <td>Circlip</td> <td>945785</td> </tr> <tr> <td>950430</td> <td>2</td> <td>O-ring</td> <td>N/A</td> </tr> </tbody> </table> <p><u>Special tooling / compounds</u></p> <table border="1"> <thead> <tr> <th>Rotax P/N</th> <th>Qty per engine</th> <th>Description</th> <th>Application</th> </tr> </thead> <tbody> <tr> <td>897651</td> <td>as required</td> <td>LOCTITE 243 BLUE</td> <td>Screw fixation</td> </tr> </tbody> </table>	Rotax P/N	Qty per engine	Description	Old Rotax P/N	945786	2	Circlip	945785	950430	2	O-ring	N/A	Rotax P/N	Qty per engine	Description	Application	897651	as required	LOCTITE 243 BLUE	Screw fixation
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MATERIAL:	<p><u>Interchangeability of parts</u></p> <p>- All used parts and affected circlips Rotax part no. 945785 are unserviceable and must be scrapped.</p> <p>NOTE: For carburetors, service kits carburetor, maintenance kit carburetor, overhaul kit etc. replace affected circlip Rotax part no. 945785 with circlip Rotax part no. 945786.</p>
REFERENCES:	<p>/1/ Rotax SB-912-073UL / SB-914-055UL (d06768.fm; dated: 27 July 2019, Initial Issue)</p> <p>/2/ Rotax SB-912-073/SB-914-055 (d06767.fm; dated: 27 July 2019, Initial Issue)</p> <p>/3/ Rotax Illustrated Parts Catalog (IPC-912 current issue)</p> <p>/4/ Rotax Maintenance Manual Line (MML-912 current issue)</p> <p>/5/ Rotax Maintenance Manual Heavy (MMH-912 current issue)</p> <p>NOTE: The status of the Manuals can be determined by checking the table of amendments. The 1st column of this table shows the revision status. Compare this number to the one listed on the ROTAX website: www.flyrotax.com. Updates and current revisions can be downloaded for free.</p>
WEIGHT and BALANCE:	<p>Change of weight - none</p> <p>Moment of inertia - unaffected</p>
ELECTRICAL LOAD DATA:	<p>Not affected</p>
SUPPORT INFORMATION:	<p>Refer to current issue of all relevant Rotax Maintenance Manual Line (MML-912) and Rotax Maintenance Manual Heavy (MMH-912)</p>


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 Date: 09.AUG 2019


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 Date: 09.AUG 2019