



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

SERVICE BULLETIN

MANDATORY

No: SB_SD4-02-2020

Date: 15.DEC 2020

Revision: Initial issue

Date: -

Number of pages: 2

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 equipped by Rotax 912ULS2(-01) engine.</u> [S/N: 20357, 20359, 20360, 21736, 27345, 27426, 27428, 27754, 27805, 29019]</p> <p>Criterion B) <u>Engines:</u> Each Viper SD-4 RTC aircraft equipped by Rotax 912ULS2(-01) engine type is affected, that has been equipped with engine of serial numbers listed in SB-912-074UL / SB-914-056UL / SB-2ST-004, latest edition, paragraph 1.1) Criterion A) Engine type 912 ULS installed during aircraft repair, maintenance or general overhaul or any other exchange action.</p> <p>Criterion C) <u>Carburetors:</u> Each Viper SD-4 RTC aircraft equipped by Rotax 912ULS2(-01) engine type is affected, whose engine has been equipped with carburetors Rotax 1/3 P/N: 892530 and Rotax 2/4 P/N: 892535 with serial numbers of the carburetors listed in SB-912-074 / SB-914-056, latest edition, Chapter 4).</p> <p>Criterion D) <u>Spare parts:</u> Each Viper SD-4 RTC aircraft equipped by Rotax 912ULS2(-01) engine type is affected, whose engine has been equipped with carburetors with part number and serial number as defined in Criterion C) of this service bulletin during engine repair, maintenance or general overhaul or any other exchange action. Further each Viper SD-4 RTC aircraft equipped by Rotax 912ULS2(-01) engine type is affected, whose engine has been equipped since June 01st 2015 with floats P/N: 861185 or P/N: 861188 (pair) 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.</p>
SUBJECT:	Exchange of floats (pair) on ROTAX® Engine Type 912 ULS series equipped with floats P/N: 861185 or P/N: 861188. ATA System: 73-00-00 Fuel system.
COMPLIANCE:	<p>Carry out this exchange of the floats:</p> <ul style="list-style-type: none"> - before the next flight for aircraft which engine running roughly, especially at low engine speeds (crankshaft speed to 4000 rpm), or fuel leakage - on the engines listed in section 1.1., according to the instructions in section 3 at the next ROTAX® scheduled maintenance event, but at the latest after 1year (from the date of the initial issue of this Service Bulletin) - before the initial installation of engine and/or spare part
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 912ULS2(-01) engine, are affected by MANDATORY Service Bulletin issued by engines manufacturer BRP-Rotax GmbH & CO KG - Document SB-912-074UL / SB-914-056UL (d06857.pdf)
REASON:	Due to a deviation in the manufacturing process some floats of P/N: 861185 and P/N: 861188 (pair) could gain more weight. This leads to a loss of float buoyancy and wrong regulation of the fuel in the float chamber. Possible effects may be a rough running engine, especially at low speeds and under some circumstances loss of performance and/or fuel leakage in the area of the carburetor. Above mentioned floats must be replaced with floats part no. 861189.
MANPOWER:	See Rotax SB-912-074/SB-914-056 Chapter 3)

LABOR TIME:	See Rotax SB-912-074 / SB-914-056 Paragraph 1.7)			
MATERIAL:	<u>Required tools for inspection and replacement:</u> In accordance with the relevant Maintenance Manuals			
	<u>Required parts for check and/or replacement:</u> In accordance with the data listed in Rotax SB-912-074/SB-914-056 Paragraph 3.5.3)			
	<u>Special tooling / compounds:</u> In accordance with the relevant Maintenance Manuals			
	<u>Interchangeability of parts:</u>			
	<table border="1"> <tr> <td>“NEW” style float P/N: 861189 (pair)</td> <td>Does not need to be changed and can be reused</td> </tr> <tr> <td>“OLD” style float P/N: 861185 or P/N: 861188 (pair)</td> <td>Has to be replaced by P/N: 861189</td> </tr> </table>	“NEW” style float P/N: 861189 (pair)	Does not need to be changed and can be reused	“OLD” style float P/N: 861185 or P/N: 861188 (pair)
“NEW” style float P/N: 861189 (pair)	Does not need to be changed and can be reused			
“OLD” style float P/N: 861185 or P/N: 861188 (pair)	Has to be replaced by P/N: 861189			
REFERENCES:	<p>/1/ Rotax SB-912-074UL / SB-914-056UL (d06857.pdf; dated: 03.December 2020, Initial Issue)</p> <p>/2/ Rotax SB-912-074 / SB-914-056 (d06856.pdf; dated: 03.December 2020, Initial Issue)</p> <p>/3/ Illustrated Parts Catalog for Rotax Engine Type 912 and 914 Series (ETK/IPC-912/914; P/N: 899473, current issue)</p> <p>/4/ Installation Manual for Rotax Engine Type 912 Series (IM-912; P/N: 898643, current issue)</p> <p>/5/ Operators Manual for Rotax Engine Type 912 Series (OM-912; P/N: 899700, current issue)</p> <p>/6/ Maintenance Manual for Rotax Engine Type 912 Series (MML-912; P/N: 899196, current issue)</p> <p>/7/ Maintenance Manual for Rotax Engine Type 912 and 914 Series (Heavy Maintenance) (MMH-912 / MMH-914; P/N: 899603, current issue)</p> <p>NOTE I: All referenced documents are available on Rotax website https://www.flyrotax.com/services/technical-documentation.html</p> <p>NOTE II: 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 mentioned above in NOTE I.</p> <p>NOTE III: Updates and current revisions can be downloaded for free from website mentioned above in NOTE I.</p>			
WEIGHT and BALANCE:	Change of weight - none Moment of inertia - unaffected			
ELECTRICAL LOAD DATA:	Not affected			
SUPPORT INFORMATION:	Any possible support for Viper SD-4 RTC aircrafts contact: TOMARK s.r.o., Strojnícka 5, 080 01 Prešov, Slovak republic http://vipersd4.com/contact/ , E-Mail: service@tomarkaero.com			
ACCOMPLISHMENT ISNTRUCTIONS:				
Follow instructions listed in Rotax SB-912-074/SB-914-056 - Exchange of floats (pair) on ROTAX® Engine Type 912 and 914 (Series), latest issue.				

Compiled by: Jozef Kalnický
Position: Head of Airworthiness Dpt.
Date: 15.DEC 2020

Approved by: Slavomír Dobrovič
Position: Head of Design Dpt.
Date: 15.DEC 2020