



Civil Aviation Authority
EMERGENCY
MANDATORY PERMIT DIRECTIVE



Number: 2013-001

Issue date: 13 March 2013

In accordance with 22(1) of Air Navigation Order 2009 as amended the following action required by this Mandatory Permit Directive (MPD) is mandatory for applicable aircraft registered in the United Kingdom operating on a UK CAA Permit to Fly.	
Type Approval Holder's Name: BRP - Powertrain GmbH & Co. KG	Type/Model Designation(s): Rotax 912, 914
Title:	Cylinder Head Inspection/Replacement
Manufacturer:	BRP - Powertrain GmbH & Co. KG
Applicability:	Rotax 912UL, 912ULS and 914UL series engines
Reason:	<p>A possible deviation in the manufacture of certain number 2 and number 3 cylinder heads has been identified.</p> <p>This condition, if not detected and corrected, could lead to an oil leak in the area of the valve guide and subsequent in-flight engine shutdown, forced landing, damage to the aircraft and injury to occupants.</p> <p>This MPD therefore instructs inspection of potentially affected engines, identified below by serial number, to check the integrity of the number 2 and number 3 cylinder heads and replacement of any unit which fails inspection.</p> <p>This MPD also prohibits installation of an engine with an affected cylinder head on an aircraft, unless the cylinder heads have satisfied the requirements of this MPD.</p>
Effective Date:	13 March 2013

<p>Compliance/Action:</p>	<ol style="list-style-type: none"> For Rotax 912UL, 912ULS and 914UL engines of the following serial numbers (S/N): <u>Note:</u> serial number ranges quoted are <u>inclusive</u>. 912UL S/N. 6,770.826 to 6,770.874 6,770.877 to 6,770.884 6,770.888 to 6,770.892 912ULS S/N. 6,779.708 6,780.435 to 6,780.436 6,780.706 to 6,780.735 6,780.761 to 6,780.917 6,780.919 to 6,780.985 6,780.987 to 6,781.004 6,781.006 to 6,781.051 6,781.058 to 6,781.059 6,781.064 to 6,781.075 6,781.100 6,781.173 to 6,781.180 914UL S/N. 7,682.341 to 7,682.360 7,682.389 to 7,682.403 7,682.425 to 7,682.504 7,682.526 to 7,682.532 Compliance is required as follows, unless previously accomplished. 2. Within 5 flight hours or 20 days from the effective date of this MPD, whichever limit is reached first, inspect the head assemblies of no. 2 and 3 cylinders in accordance with the instructions of ASB-912-062UL Revision 1 or ASB-914-044UL Revision 1 as applicable. Replace any cylinder head assembly which fails inspection before next flight with a serviceable unit in accordance with the instructions of the above referenced bulletins 3. From the effective date of this MPD, do not install any affected engine with S/N listed above on any aircraft unless the inspection of paragraph 2 above has been carried out and the cylinder head declared serviceable or replaced.
<p>Ensure compliance with this MPD is recorded in the aircraft logbook</p>	
<p>Reference Publications:</p>	<p>BRP-Powertrain ASB-912-062ULR1, ASB-914-044ULR1 dated 5 March 2013. (associated bulletins ASB-912-062R1, ASB-914-044R1 are referenced in these bulletins).</p> <p>The use of later revisions of these documents is acceptable for compliance with this MPD. A subsequent re-issue of this document as "SB" rather than an "ASB" document may also be used to satisfy the requirements of this MPD.</p>

Remarks:	1. This MPD was not posted for consultation because of the urgency of the requirement.	
	2. Enquiries regarding this Mandatory Permit Directive should be referred to: Airworthiness Evaluation and Surveillance, Civil Aviation Authority, Safety Regulation Group, Aviation House, Gatwick Airport South, West Sussex RH6 0YR.	
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