



Civil Aviation Authority

# EMERGENCY MANDATORY PERMIT DIRECTIVE



Number: 2017-005-E

Issue date: 9 August 2017

In accordance with Article 41(1) of The Air Navigation Order 2016, 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: <b>BRP-Rotax GmbH &amp; Co. KG</b>	Type/Model Designation(s): <b>Rotax 912 engines</b>
<b>Title:</b>	<b>Ignition – Ignition Housing Sealing Plugs - Inspection</b>
<b>Manufacturer:</b>	BRP-Rotax GmbH & Co. KG
<b>Applicability:</b>	Rotax 912 iS and 912 iS Sport engines
<b>Reason:</b>	<p>Ignition housing sealing plugs have been found improperly installed. BRP-Rotax has determined the population of stator assemblies and ignition housings that may be affected.</p> <p>This condition, if not detected and corrected, may lead to oil leakage, with consequent loss of lubrication, in-flight engine shutdown and forced landing, possibly resulting in damage to the aircraft and injury to occupants.</p> <p>To address this potential unsafe condition, BRP-Rotax issued Alert Service Bulletin (ASB) ASB-912 i-007, providing inspection instructions, and additionally ASB-912 i-007iS for the uncertified engines.</p> <p>For the reason described above, this MPD requires a one-time inspection and, depending on findings, reseating of the sealing plug. This MPD also requires an inspection each time an affected stator assembly or ignition housing is installed on an engine.</p> <p>This MPD, for the uncertified engine variants, mirrors the EASA Emergency AD 2017-0101-E, which was for the certified engine variants.</p>
<b>Effective Date:</b>	9 August 2017

<b>Compliance/Action:</b>	<p>Required as indicated unless accomplished previously:</p> <ol style="list-style-type: none"> <li>1) Within 10 flight hours or 2 months, whichever occurs first after the effective date of this MPD, inspect the sealing plug in accordance with the instructions of ASB-912 i-007iS.</li> <li>2) From the effective date of this MPD, it is allowed to install an affected part on an engine, provided that, before next flight after installation, the sealing plug is inspected in accordance with the instructions of ASB-912 i-007iS.</li> <li>3) If, during any inspection as required by paragraph (1) or (2) of this MPD, as applicable, incorrect installation of a sealing plug is detected, before next flight, accomplish the applicable corrective action(s) in accordance with the instructions of ASB-912 i-007iS.</li> </ol>
<b>ENSURE COMPLIANCE WITH THIS MPD IS RECORDED IN THE AIRCRAFT LOGBOOK</b>	
<b>Reference Publications:</b>	<i>BRP-Rotax ASB-912 i-007iS and ASB-912 i-007</i>
<b>Remarks:</b>	<p><i>[i]</i> This MPD was not posted for consultation because of the urgency of the requirement.</p> <p><i>[ii]</i> Enquiries regarding this Mandatory Permit Directive should be referred to: GA Unit, Civil Aviation Authority, Safety Regulation Group, Aviation House, Gatwick Airport South, West Sussex RH6 0YR.</p> <p>Tel: +44 (0)1293 573988</p> <p>E-mail: <a href="mailto:GA@caa.co.uk">GA@caa.co.uk</a></p>