



Civil Aviation Authority  
**EMERGENCY  
MANDATORY PERMIT  
DIRECTIVE**



**Number: 2019-004-E**

Issue date: 01 April 2019

<b>In accordance with 41(1) of 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.</b>	
Type Approval Holder's Name: <b>BRP-Rotax GmbH &amp; Co KG</b>	Type/Model Designation(s): <b>Engine Type 912 i and 915 i A (Series)</b>
<b>Title:</b>	<b>Inspection and/or Replacement of Fuel Pump Assembly</b>
<b>Manufacturer:</b>	<b>BRP-Rotax GmbH &amp; Co KG</b>
<b>Applicability:</b>	<b>Rotax Type 912 i and 915 i A (Series)</b>
<b>Reason:</b>	<p>Fuel leakage was observed on an engine still on the production line. Subsequent investigation determined a manufacturing issue as root cause of the fuel leak, and a batch of fuel pump assemblies was identified which could experience similar fuel leaks.</p> <p>This condition, if not detected and corrected, could lead to engine fire, possibly resulting in a forced landing with consequent damage to the aeroplane and injury to occupants.</p> <p>To address this potential unsafe condition, BRP-Rotax issued the ASB, providing inspection instructions.</p> <p>For the reason described above, this MPD requires a one-time inspection of the affected parts and, depending on findings, replacement. This MPD also provides additional requirements for installation of a fuel pump assembly on an engine.</p>
<b>Effective Date:</b>	<b>01 April 2019</b>
<b>Compliance/Action:</b>	<p><b>Definitions:</b></p> <p>For the purpose of this MPD, the following definitions apply:</p> <p><b>The ASB:</b> BRP-Rotax Alert Service Bulletin (ASB) ASB-912 i-010iS / ASB-915 i A-006iS (single document).</p> <p><b>Affected part:</b> Fuel pump assemblies, having part number (P/N) 889696 (part of assembly P/N 889697) and s/n from 180500 to 189999 inclusive; or having P/N 889698 (part of assembly P/N 889699) and s/n from 180500 to 189999 inclusive.</p> <p><b>Serviceable part:</b> Fuel pump assemblies which are not an affected part; or an affected part which passes an inspection (no defects found) in accordance with the instructions of the ASB.</p>

	<p><b>Groups:</b> Group 1 engines have an affected part installed. Group 2 engines do not have an affected part installed.</p> <table border="1" data-bbox="480 315 1461 757"> <thead> <tr> <th colspan="2" data-bbox="480 315 1461 367"><b>Group 1 Engines</b></th> </tr> <tr> <th data-bbox="480 367 692 418"><b>Engine Type</b></th> <th data-bbox="692 367 1461 418"><b>Engine Serial Number</b></th> </tr> </thead> <tbody> <tr> <td data-bbox="480 418 692 658">912 iS Sport</td> <td data-bbox="692 418 1461 658">S/N 7704529, S/N 7704548, from S/N 7704550 up to S/N 7704553 inclusive, from S/N 7704556 up to S/N 7704710 inclusive, from S/N 7704713 up to S/N 7704714 inclusive, S/N 7704717, from S/N 7704719 up to S/N 7704720 inclusive, from S/N 7704722 up to S/N 7704729 inclusive, S/N 7704773</td> </tr> <tr> <td data-bbox="480 658 692 757">915 iS A</td> <td data-bbox="692 658 1461 757">from S/N 9132200 up to S/N 9132218 inclusive, from S/N 9132223 up to S/N 9132239 inclusive, S/N 9132280</td> </tr> </tbody> </table> <p><b>Required Action(s) and Compliance Time(s)</b></p> <p>Required as indicated, unless accomplished previously:</p> <p><b>Inspection:</b></p> <p>1. For Group 1 engines: Before next engine operation after the effective date of this MPD, inspect the affected part in accordance with the instructions of the ASB.</p> <p><b>Corrective action(s)</b></p> <p>2. If, during the inspection as required by paragraph (1) of this MPD, any discrepancy is found, as identified in the ASB, before next engine operation, replace the affected part in accordance with the instructions of the ASB.</p> <p><b>Part(s) Installation:</b></p> <p>3. For Group 1 and Group 2 engines: From the effective date of this MPD, it is permitted to install on any engine a fuel pump assembly, provided that it is a serviceable part, as defined in this MPD.</p>	<b>Group 1 Engines</b>		<b>Engine Type</b>	<b>Engine Serial Number</b>	912 iS Sport	S/N 7704529, S/N 7704548, from S/N 7704550 up to S/N 7704553 inclusive, from S/N 7704556 up to S/N 7704710 inclusive, from S/N 7704713 up to S/N 7704714 inclusive, S/N 7704717, from S/N 7704719 up to S/N 7704720 inclusive, from S/N 7704722 up to S/N 7704729 inclusive, S/N 7704773	915 iS A	from S/N 9132200 up to S/N 9132218 inclusive, from S/N 9132223 up to S/N 9132239 inclusive, S/N 9132280
<b>Group 1 Engines</b>									
<b>Engine Type</b>	<b>Engine Serial Number</b>								
912 iS Sport	S/N 7704529, S/N 7704548, from S/N 7704550 up to S/N 7704553 inclusive, from S/N 7704556 up to S/N 7704710 inclusive, from S/N 7704713 up to S/N 7704714 inclusive, S/N 7704717, from S/N 7704719 up to S/N 7704720 inclusive, from S/N 7704722 up to S/N 7704729 inclusive, S/N 7704773								
915 iS A	from S/N 9132200 up to S/N 9132218 inclusive, from S/N 9132223 up to S/N 9132239 inclusive, S/N 9132280								
<b>ENSURE COMPLIANCE WITH THIS MPD IS RECORDED IN THE AIRCRAFT LOGBOOK</b>									
<b>Reference Publications:</b>	<p>BRP-Rotax ASB-912 i-010iS / ASB-915 i A-006iS.</p> <p>The use of later approved revisions of the above-mentioned document is acceptable for compliance with the requirements of this AD.</p>								

---

<b>Remarks:</b>	<ol style="list-style-type: none"><li>1. This MPD was not posted for consultation because of the urgency of the requirement.</li><li>2. If requested and appropriately substantiated, CAA can approve Alternative Methods of Compliance for this MPD.</li><li>3. 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. Tel: +44 (0)1293 573988</li></ol>
-----------------	---

Superseded