



Civil Aviation Authority

EMERGENCY MANDATORY PERMIT DIRECTIVE



Number: 2019-006-E

Issue date: 17 October 2019

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.	
Type Approval Holder's Name: BRP-Rotax GmbH & Co KG	Type/Model Designation(s): Rotax 912 i and 915 i A (Series) engines
Supersedure	This MPD supersedes MPD 2019-004-E dated 01 April 2019
Title:	Engine Fuel and Control - Fuel Pump Assembly - Replacement
Manufacturer:	BRP-Rotax GmbH & Co KG
Applicability:	Rotax Type 912 i and 915 i A (Series) all serial numbers (s/n)
Reason:	<p>Deviations in manufacturing process have been reported, which could lead to malfunction of fuel supply. Subsequent investigation identified the batch of affected fuel pumps.</p> <p>This condition, if not corrected, could lead to engine in-flight shut down, 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 instructions to replace affected parts.</p> <p>Previously, the CAA issued Emergency MPD 2019-004-E, requiring, for some of the fuel pumps affected by the unsafe condition addressed by this MPD, inspections and, depending on findings, replacement.</p> <p>For the reason described above, this MPD supersedes Emergency MPD 2019-004-E and requires replacement of the affected parts and prohibits further (re)installation thereof.</p>
Effective Date:	19 October 2019
Compliance/Action:	Definitions: For the purpose of this MPD, the following definitions apply: The ASB: BRP-Rotax Alert Service Bulletin (ASB) ASB-915 i A-008iS / ASB-912 i-011iS (single document)

	<p>Affected part: Fuel pump assemblies, having part number (P/N) 889696 (part of assembly P/N 889697) or P/N 889698 (part of assembly P/N 889699), and having an s/n from 180500 to 192699 inclusive.</p> <p>Serviceable part: Any fuel pump assembly which is not an affected part.</p> <p>Groups: Group 1 engines have an affected part installed. Group 2 engines do not have an affected part installed.</p> <p>Required Action(s) and Compliance Time(s):</p> <p>Required as indicated, unless accomplished previously:</p> <p>Inspection:</p> <p>(1) For Group 1 engines: Before next flight after the effective date of this AD, replace each affected part with a serviceable part in accordance with the instructions of the ASB.</p> <p>Part(s) Installation:</p> <p>(2) For Group 1 and Group 2 engines: From the effective date of this MPD, do not install on any engine an affected part, as defined in this MPD.</p>
<p>ENSURE COMPLIANCE WITH THIS MPD IS RECORDED IN THE AIRCRAFT LOGBOOK</p>	
<p>Reference Publications:</p>	<p>ASB-915 i A-008iS / ASB-912 i-011iS (single document) original issue dated 10 October 2019.</p> <p>The use of later approved revisions of the above-mentioned document is acceptable for compliance with the requirements of this AD.</p>
<p>Remarks:</p>	<ol style="list-style-type: none"> 1. This MPD was not posted for consultation because of the urgency of the requirement. 2. If requested and appropriately substantiated, CAA can approve Alternative Methods of Compliance for this MPD. 3. Enquiries regarding this Mandatory Permit Directive should be referred to: GA Unit, Civil Aviation Authority, Safety Regulation Group, Aviation House, Beehive Ringroad, Crawley, West Sussex RH6 0YR. Tel: +44 (0)1293 573988