



EMERGENCY MANDATORY PERMIT DIRECTIVE



Number: 2019-001-E

Issue date: 11 January 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):

914 and 915 series engines

Title:

Exchange of exhaust valves

Manufacturer:

BRP-Rotax GmbH & Co KG

Applicability:

Rotax 915 iS A and Rotax 914 UL engines, all serial numbers.

Reason:

A broken exhaust valve has been reported on a Rotax 914 UL2-01 engine. Subsequent investigation identified deviations in the manufacturing process of the affected exhaust valve in production lot numbers 0317 and 0517.

Due to similarity of design, this condition may affect also Rotax 915 iS A engines.

This condition, if not corrected, could lead to in-flight shut down, possibly resulting in a forced landing with consequent damage to the aircraft and injury to occupants.

To address this potential unsafe condition, BRP-Rotax issued Alert Service Bulletins (ASB) ASB-915 i A-003iS /ASB-914-054UL (single document) and ASB-915 i A-003 / ASB-915 i B-003 / ASB-914-054 (single document), providing applicable instructions.

For the reason described above, this MPD requires replacement of affected exhaust valves (P/N 854113), in accordance with above referenced Service Bulletins, and prohibits installation of these valves on an engine.

Note: EASA AD 2018-0265R1 applies to certificated engine variants.

Effective Date:

11 January 2019

Compliance/Action:	<p>For all engines: From the effective date of this MPD, do not install exhaust valve P/N 854113 from production lot number 0317 or 0517.</p> <p>For engines with exhaust valve P/N 854113 from production lot 0317 or 0517 fitted: Within 10 flight hours or 3 months, whichever occurs first after the effective date of this MPD, replace each exhaust valve P/N 854113 (from production lot 0317 or 0517) in accordance with the instructions in ASB-915 i A-003lsR2/ASB-914-054ULR2 [or later revision] (single document), and; ASB-915 i A-003R2/ASB-915 i B-003R2/ASB-914-054R2 [or later revision] (single document).</p>
ENSURE COMPLIANCE WITH THIS MPD IS RECORDED IN THE AIRCRAFT LOGBOOK	
Reference Publications:	ASB-915 i A-003lsR2/ASB-914-054ULR2 [or later revision] (single document), and; ASB-915 i A-003R2/ASB-915 i B-003R2/ASB-914-054R2 [or later revision] (single document).
Remarks:	<p>This MPD was not posted for consultation because of the urgency of the requirement.</p> <p>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 E-mail: GA@caa.co.uk</p>