



Emergency Airworthiness Directive

AD No.: 2019-0253-E

Issued: 11 October 2019

Note: This Emergency Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EU) 2018/1139 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 129 of that Regulation.

This AD is issued in accordance with Regulation (EU) 748/2012, Part 21.A.3B. In accordance with Regulation (EU) 1321/2014 Annex I, Part M.A.301, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an AD applies, except in accordance with the requirements of that AD, unless otherwise specified by the Agency [Regulation (EU) 1321/2014 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [Regulation (EU) 2018/1139, Article 71 exemption].

Design Approval Holder's Name:

BRP-ROTAX GmbH & Co KG

Type/Model designation(s):

Rotax 912 and 915 engines

Effective Date: 15 October 2019

TCDS Number(s): EASA.E.121

Foreign AD: Not applicable

Supersedure: This AD supersedes EASA Emergency AD 2019-0055-E dated 18 March 2019, including its correction dated 19 March 2019

ATA 73 – Engine fuel and Control – Fuel Pump Assembly – Replacement

Manufacturer(s):

BRP-Rotax GmbH & Co KG, formerly BRP-Powertrain GmbH & Co. KG, Bombardier-Rotax GmbH & Co. KG, Bombardier-Rotax GmbH

Applicability:

Rotax 912 iSc2 Sport, 912 iSc3 Sport and Rotax 915 iSc3 A engines, all serial numbers (s/n).

These engines are known to be installed on, but not limited to, various general aviation aeroplane types and models. The installation of these engines was either done by the respective aeroplane manufacturer, or through modification of the aeroplane by Supplemental Type Certificate (STC).

Definitions:

For the purpose of this AD, the following definitions apply:

The ASB: BRP-Rotax Alert Service Bulletin (ASB) ASB-912 i-011 / ASB-915 i A-008 (single document).

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.



Serviceable part: Any fuel pump assembly which is not an affected part.

Groups: Group 1 engines are those that have an affected part installed. Group 2 engines are those that do not have an affected part installed.

Reason:

Deviations in manufacturing process have been reported, which could lead to malfunction of fuel supply. Subsequent investigation identified the batch of affected fuel pumps.

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.

To address this potential unsafe condition, BRP-Rotax issued the ASB, providing instructions to replace affected parts.

Previously, EASA issued Emergency AD 2019-0055-E, requiring, for some of the fuel pumps affected by the unsafe condition addressed by this AD, inspections and, depending on findings, replacement.

For the reason described above, this AD supersedes EASA Emergency AD 2019-0055-E and requires replacement of the affected parts and prohibits further (re)installation thereof.

Required Action(s) and Compliance Time(s):

Required as indicated, unless accomplished previously:

Inspection:

(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.

Part(s) Installation:

(2) For Group 1 and Group 2 engines: From the effective date of this AD, do not install on any engine an affected part, as defined in this AD.

Ref. Publications:

BRP-Rotax ASB-912 i-011 / ASB-915 i A-008 (single document) original issue dated 10 October 2019.

The use of later approved revisions of the above-mentioned document is acceptable for compliance with the requirements of this AD.

Remarks:

1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.
2. The results of the safety assessment have indicated the need for immediate publication and notification, without the full consultation process.
3. Enquiries regarding this AD should be referred to the EASA Programming and Continued Airworthiness Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.



4. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this AD, and which may occur, or have occurred on a product, part or appliance not affected by this AD, can be reported to the [EU aviation safety reporting system](#).
5. For any question concerning the technical content of the requirements in this AD, please contact: BRP-Rotax GmbH & Co KG, Telephone: +43 7246 601 0, Fax: +43 7246 601 9130, E-mail: airworthiness@brp.com, Website www.flyrotax.com.

