



SAIB: CE-10-36
Date: June 15, 2010

SUBJ: Engine; Replacement of Certain Rotax Fuel Pumps
This is information only. Recommendations aren't mandatory.

Introduction

This Special Airworthiness Information Bulletin (SAIB) informs you of a possible unsafe condition on special light sport category aircraft (SLSA), experimental light sport aircraft (ELSA), and experimental amateur-built aircraft for replacement of certain part number fuel pumps installed on, but not limited to, Rotax aircraft engine 912 series.

Background

In some cases, if the input pressure to the mechanical fuel pump is high (e.g., due to an electric fuel pump upstream), the output pressure from the mechanical fuel pump could be excessive. This high fuel pressure may cause the engine to malfunction from flooding and/or cause fuel leakage. The fuel pumps affected by this issue and the replacements are listed below.

Fuel pump part numbers affected	Fuel pump part numbers not affected
892230, 892232, 892540 (standard version), 892235, 892236, 892545 (version including flexible line)	892542 and 892546

These fuel pumps are known to be installed on the following engines. However the pumps could be installed on other engines as a replacement part.

Rotax Engine Models	Engine Serial Numbers (S/Ns)
-912A	S/Ns 4,410.684 through 4,410.727
-912F	S/Ns 4,412.913 through S/Ns 4,412.925
-912S	S/Ns 4,923.282 through 4,923.461
-912UL	S/Ns 4,407.646 through 4,408.361
-912ULS	S/Ns 5,646.084 through 5,648.164
-912ULSFR	S/Ns 4,430.267 through 4,430.500 and S/Ns 6,374.028 through 6,374.054

Recommendations

If your aircraft is affected by this issue, we recommend replacement of the affected fuel pump part numbers listed above following ROTAX Service Bulletins SB-912-053 and SB-912-053UL. You may access the service bulletins at the following websites;

- SB-912-053: <http://www.rotax-aircraft-engines.com/pdf/dokus/d02167.pdf>; and
- SB-913-053UL: <http://www.rotax-aircraft-engines.com/pdf/dokus/d02169.pdf>.

For your information, the FAA is taking airworthiness directive action to address this issue on the type-certificated aircraft and engines.

For Further Information Contact

Tausif Butt, Aerospace Engineer, 901 Locust, Room 301, Kansas City, MO 64106; phone: (816) 329-4164; fax: (816) 329-4090 e-mail: Tausif.butt@faa.gov.

For Related Service Information Contact

ROTAX Aircraft Engines; phone: 43(0) 7246 6010; fax: 43(0) 7246 6370.