



EASA Safety Information Bulletin

SIB No.: 2008-54
Issued: 26 June 2008

Subject: **Voltage Regulator VR600A with insufficient over-voltage protection.**

Ref. Publication: Federal Aviation Administration (FAA) Special Airworthiness Information Bulletin (SAIB) CE-04-72R1 dated 18 August 2004, Cessna Single Engine Service Bulletin SEB03-3 dated 28 July 2003, incorporating Cessna Owner Advisory SEB03-3A and Service Kit SK210-170 instructions.

Description: FAA has published the referenced advisory document (attached as page 2 of this bulletin) to inform owners and operators of certain Cessna (including those manufactured by Reims Aviation in France) that Cessna has issued certain service publications regarding the replacement of voltage regulator VR600A.

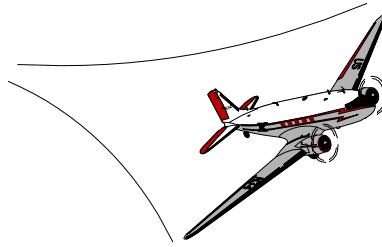
After reviewing the available information, EASA concurs with the advisory and fully supports the FAA recommendations contained therein. This SIB is published to ensure that all owners and operators of affected aircraft, registered in European Union Member States or associated countries, are aware of these recommendations.

Applicability: All Cessna single-engine aircraft, including those manufactured by Reims Aviation and for which Cessna is now the Type Certificate holder, as identified in Cessna Single Engine Service Bulletin SEB03-3 dated 28 July 2003.

Contact: For further information contact the Airworthiness Directives, Safety Management & Research Section, Certification Directorate, EASA.
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SPECIAL AIRWORTHINESS INFORMATION BULLETIN

Aircraft Certification Service
Washington, DC



U.S. Department
of Transportation

**Federal Aviation
Administration**

CE-04-72R1
August 18, 2004

www.faa.gov/certification/aircraft

This is information only. Recommendations aren't mandatory.

Introduction

This Special Airworthiness Information Bulletin informs you, registered owners and operators of **Cessna Aircraft Company models 150, 172, 177, 180, 182, 185, 188, 206, 207, 210 series** airplanes (equipped with a VR600A voltage regulator (VR)), that Cessna has issued Owner Advisory SEB03-3A and Service Bulletin SEB03-3 regarding voltage regulator replacement.

Background

Cessna received reports of undetected over-voltage conditions caused by internal failure of the VR installed in a Cessna Model 172N airplane. The airplane had a replacement VR installed, part number (P/N) VR600A, which Electrosystems, Inc., manufactured as an FAA-approved parts manufacturer approval (PMA). The VR is a replacement for Cessna P/N C6611001-0201 and is eligible for installation on Cessna airplanes equipped with a 14-volt system.

Installation instructions of the VR600A VR specify to remove the Cessna-installed over-voltage sensor and to modify the aircraft wiring. The VR600A drawing, dated 6/11/97, specifies that the VR600A is a solid-state VR containing internal over-voltage protection. After installation of a VR600A, the regulator is the only over-voltage protection on the airplane. If the regulator fails, the airplane electrical system is no longer protected.

Cessna's Owners Advisory and Service Bulletin recommends compliance within 12 months or 100 hours, whichever occurs first. Cessna Service Kit SK210-170 is available and **replaces voltage regulator P/N VR600A** with Electrosystems VR600 voltage regulator. The Service Kit also specifies the reinstallation of the over-voltage sensor, and if the airplane wiring had been modified to install the VR600A voltage regulator, the return of the wiring to the original manufacturer's configuration.

Recommendation

We recommend that you consider incorporating the Owners Advisory and Service Bulletin.

For Further Information Contact

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