

Section 1. Swedish Manufactured Aeronautical Products

**AIRWORTHINESS**

**DIRECTIVE NO:** 1-197

**AIRCRAFT TYPE:** SAAB SF340A and 340B

**SERIAL No:s** SAAB SF340A -004 through -159 without Saab Aircraft SB 340-24-026  
**AFFECTED:** implemented (Mod 2533).  
SAAB 340B -160 through -367 without Saab Aircraft SB 340-24-026  
implemented (Mod 2533).

**SUBJECT:** DC Generating System-GCU-Undervoltage protection

**BACKGROUND:** A premature failure of the generator can cause a low voltage situation in flight, if the aircraft is not equipped with the Generator Control Unit (GCU) 51539-007B. This GCU was included in the type design from serial number 368 and has been available as an option for earlier manufactured airplanes. Service experience has shown that installation of the new GCU is needed in order to meet the requirements for continued airworthiness in accordance with (EC) Regulation 1702/2003 Part 21A.3B and associated guidance material.

**REFERENCE** a) Saab Aircraft AB Service Bulletin SAAB 340-24-026 Rev 2 dated 29  
**DOCUMENTS:** October 2004 or later revision.

b) Swedish Airworthiness Directive SAD 1-196R1

**ACTIONS:** a) Install a Generator Control Unit (GCU) model 51539-007B in accordance with Saab Aircraft AB Service Bulletin SB 340-24-026 Rev 2 dated 29 October 2004 or later revision.  
b) Continue brush inspection and wear measurement in accordance with Service Bulletin SAAB 340-24-035 Revision 01 dated 10 September 2004 or later revision until the new GCU is installed. (SAD 1-196R1)

**COMPLIANCE** The new GCU must be installed within three years after effective date of this  
**TIME:** SAD.

**EFFECTIVE** 5 November 2004  
**DATE:**

**EASA** This AD is issued by the Swedish Civil Aviation Authority acting for and on behalf of the  
**APPROVAL:** European Aviation Safety Agency as the Primary Aviation Authority (ICAO Convention Annex 8 Authority of State of Design) for the affected product.  
Approved by the European Aviation Safety Agency under approval number 2004-10860 on 5 November 2004

**LUFTFARTSVERKET/ Aviation Safety Authority**

The actions contained in this directive and reference document(s) have been classified as mandatory for aircraft on Swedish register

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