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Section 1. Swedish Manufactured Aeronautical Products

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**AIRWORTHINESS**

**DIRECTIVE NO:** 1-160 R1

**AIRCRAFT TYPE:** SAAB SF340A

**SERIAL No:s**

**AFFECTED:** SAAB SF340-004 through -108 without SB 340-21-018 implemented.

Note for Revision 1: Effectivity clarified and partnumbers added

**SUBJECT:** Air Conditioning - Air Distribution - Installation of Improved air circulation fan for the flight compartment and the passenger compartment

**BACKGROUND:** It has been reported that smoke or burning smell, due to incorrect brush insulation in the electrical fan motor, has developed and entered the cabin. This has caused the flight crew to perform prescribed emergency procedures. The probability for this type of events will be minimized by installation of an improved version of the motor in applicable fans or which is preferred, installation of a brushless fan motor via optional SB340-21-018 (Mod No. 1421). This fan motor, introduced from serial number SF340A-109, in addition to having improved life and reduced noise level, also eliminates above mentioned cause for smoke burning smell as it is brushless.

**REFERENCE DOCUMENTS:** Saab Aircraft AB Mandatory Service Bulletin SAAB 340-21-039 revision 1 dated 18 April 2001.

**ACTIONS:** Perform actions described in Saab Aircraft AB Mandatory Service Bulletin SAAB 340-21-039 revision 1 dated 18 April 2001 or later revision unless the brushless motor has been installed per SB340-21-018.

**COMPLIANCE TIME:** To remain in service, Recirculation Fans with partnumber C209-690B or C209-690B1 or C209-690C are mandated to be upgraded to C209-690D within 1000 flight hours after 24 August 2000.

**EFFECTIVE DATE:** 13 juni 2001

**LFS:** 2001:77

**LUFTFARTSVERKET**  
Aviation Safety Department

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

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