
Section 1. Swedish Manufactured Aeronautical Products

AIRWORTHINESS

DIRECTIVE NO: 1-169

AIRCRAFT TYPE: SAAB SF340A and SAAB 340B

SERIAL No:s SAAB SF340A - 004 through 159.

AFFECTED: SAAB 340B - 160 through 379.

SUBJECT: Electrical Power - Removal of The DC Test Switches.

BACKGROUND: There have been cases on the Saab 340 where during a lightning strike the two DC generators have fallen off-line. Following this type of event it is necessary to manually reset the DC generators to get them on-line again, which increases pilot workload. There have been some cases where the manual reset did not appear to correct the problem, however when inspected by maintenance no fault could be found.

During a lightning strike it is possible for the DC overvoltage/feeder fault test circuit to malfunction giving an input to the GCU. This malfunction can momentarily inhibit the reset capability of the GCU and prevent the generator from coming back on line.

To make the DC generator system more resistant to lightning strikes the test circuits should be removed which will eliminate the possible GCU malfunction and reduce pilot workload. The test circuit is not used in any operational or maintenance procedures.

REFERENCE DOCUMENTS: Saab Aircraft AB Mandatory Service Bulletin SAAB 340-24-023 revision 2 dated 15 November, 2001 or later revision.

ACTIONS: Perform actions described in Saab Aircraft AB Mandatory Service Bulletin SAAB 340-24-023 revision 2 dated 15 November, 2001 or later revision.

COMPLIANCE TIME: To be performed within 5000 flight hours or no later than 2 years from effective date of this SAD.

EFFECTIVE DATE: 20 November 2001

LFS: 2001:168

LUFTFARTSVERKET
Aviation Safety Department

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

Mail address
SE-601 79 NORRKÖPING
SWEDEN

Office address
Vikboplan 11
Norrköping

Telephone number
+46 11 19 20 00

Fax number
+46 11 19 25 15
+46 11 19 25 75

Cable address
Civilair
Norrköping

Telex address
64250