
Section 1. Swedish Manufactured Aeronautical Products

AIRWORTHINESS

DIRECTIVE No: 1-050

AIRCRAFT TYPE: SAAB SF340A and SAAB 340B

SERIAL No:s

AFFECTED:

SAAB SF340A-004 through -159.
SAAB 340B-160 and up equipped with lighted front panel P/N
7239160-813 on refuel / defuel panel assembly P/N 7239160-502,
-503, -504.

SUBJECT:

Disconnection of electrical power to refuel / defuel panel lights.

BACKGROUND:

During refueling, refueling staff has observed arcing and smoke from the refuel / defuel panel.

A lighted front panel is mounted on the refuel / defuel panel assembly front. Ageing of the lighted front panel, where the incandescent lamps are mounted, has created cracks in the electrical insulation. Humidity in the cracks has then led to shorting and resulting arcing.

To preclude a possible fire during refueling, when residual fuel or vapors in the nozzle or receptacle could splash or be blown toward the panel, the current version of the lighted front panel (P/N 7239160-813) must be disconnected from electrical power.

REFERENCE

DOCUMENTS:

SAAB-SCANIA AB, SAAB 340 Aircraft Maintenance Manual
28-21-05

ACTIONS:

- A. Remove the refuel/defuel panel 7239160-502, -503 or -504 in accordance with AMM 28-21-05.

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

- B. With the refuel/defuel panel removed, loosen the four screws securing the lighting panel to the front and remove the rear cover.
- C. Locate the lighting panel Jack 30 QA under the rear cover and remove the screw securing the wire QA636-20. Remove the wire from Jack 30 QA and reinstall the screw.
- D. Cap and stow wire QA636-20 and reassemble the refuel/defuel panel.
- E. Placard the lighting panel with "Lights inop".
- F. Reinstall and test the refuel/defuel panel in accordance with AMM 28-21-05.

**COMPLIANCE
TIME:**

Within 30 days after the effective date of this SAD.

**EFFECTIVE
DATE:**

1991-06-20

**LUFTFARTSVERKET
Flight Safety Department**

LFS: 1991:15