



**LUFTFARTSVERKET**

*Aviation Safety Department*

**SWEDISH AIRWORTHINESS  
DIRECTIVES (SAD)**

SAD No 1-111R1  
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Section 1. Swedish Manufactured Aeronautical Products

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**AIRWORTHINESS**

**DIRECTIVE NO: 1-111R1**

**AIRCRAFT TYPE: SAAB 2000**

**SERIAL No:s** SAAB 2000-004 through -064  
**AFFECTED:**

**SUBJECT:** Flight Controls - Aileron - Inspection of Aileron Wing Control Cables

**BACKGROUND:** During Field operations it has been observed that the aileron control cables, located in the wing, have been object for abnormal wear.

The cable wear is only located at the positions of the cable guides.

Service Bulletin 2000-27-025 (Mod. 5784) (which introduced new cable guides) was issued to resolve the problem of the wear of the aileron control cables at the wing rear spar. This did not prove successful.

If this wear continues for a long time without any inspections, it may cause the aileron cable to break. If the aileron cable is broken it will affect the aircraft handling and maneuverability. This will be comparative to an situation where the aileron control system is disconnected and will therefore increase the pilot workload.

Note: Incorporation of Saab AB Service Bulletin SAAB 2000-27-037 is considered as an terminating action for this SAD and will remove the periodical inspection requirement.

**REFERENCE DOCUMENTS:** Saab Aircraft AB Service Bulletin SAAB 2000-27-33 Revision 1 dated 27 March 1998.

**LFS 1998:19**

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

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**ACTIONS:**

Perform actions described in Saab AB Service Bulletin SAAB 2000-27-33  
Revision 1 dated 27 March 1998 or later revision.

**COMPLIANCE  
TIME:**

To be initiated within one month from release date of this SAD

- 1 For A/C -004 thru -014, -016, -018, -019, -021 thru -026, -029 and -030  
(Service Bulletin SAAB 2000-27-025, Mod. 5784, implemented):
  - a) At 1600 FH  $\pm$  200 FH after implementation of Mod. 5784 or replacement of cables, do an initial inspection followed by inspections at 400 FH  $\pm$  100 FH intervals up to 3000 FH  $\pm$  200 FH
  - b) At 3000 FH  $\pm$  200 FH, replace the control cables and the control cable guides.
  - c) After any cable replacement, commence the inspection at step a).
- 2 For A/C -038 thru -046 (Mod No. 5784 implemented before delivery):
  - a) At 1600 FH  $\pm$  200 FH after A/C delivery or replacement of cables, do an initial inspection followed by inspections at 400 FH  $\pm$  100 FH intervals up to 3000 FH  $\pm$  200 FH.
  - b) At 3000 FH  $\pm$  200 FH, replace the control cables and the control cable guides.
  - c) After any cable replacement, commence the inspections at step a).
- 3 For A/C -015, -017, -020, -027, -028, -030 thru -035, -037 and -047 thru -059 (Mod. 5784 not implemented):
  - a) At 3000 FH  $\pm$  200 FH after A/C delivery or replacement of cables, do an initial inspection followed by inspections at 400 FH  $\pm$  100 FH intervals up to 6000 FH  $\pm$  200 FH.
  - b) At 6000 FH  $\pm$  200 FH, replace the control cables and the control cable guides.
  - c) After any cable replacement, commence the inspections at step a).

**EFFECTIVE  
DATE:**

30 March, 1998

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