
Section 1. Swedish Manufactured Aeronautical Products

AIRWORTHINESS

DIRECTIVE NO: 1-166

AIRCRAFT TYPE: SAAB 2000

SERIAL No:s

AFFECTED: SAAB 2000-004 through -063

SUBJECT: Navigation - Pitot Tube System - Change of Main Pitot Static Tubes

BACKGROUND: Operators have reported a number of events involving erroneous airspeed indications. In some cases all three airspeed indication systems have failed simultaneously.

Typical problem scenario is that during descent from cruise altitude one or more airspeed indicators incorrectly show gradually decreasing airspeed. At lower altitudes the correct airspeed is again displayed and on ground no faults can be found.

The cause is blockage of the pitot system with ice. System analysis indicates that low spots and freezing temperature is currently present in the pitot pressure lines inside the pitot static tube.

New main (left and right) pitot static tubes are introduced with increased heating to prevent occurrences as described. A new gasket between the tube and aircraft structure ensures improved thermal insulation.

REFERENCE DOCUMENTS: Saab Aircraft AB Mandatory Service Bulletin SAAB 2000-34-060 dated 1 October 2001 or later revision

ACTIONS: Perform actions described in Saab Aircraft AB Mandatory Service Bulletin SAAB 2000-34-060 dated 1 October 2001 or later revision

COMPLIANCE TIME: To be performed within 12 months from effective date of this SAD.

EFFECTIVE DATE: 1 October 2001

LFS: 2001:130

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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