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Section 1. Swedish Manufactured Aeronautical Products

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**AIRWORTHINESS 1-152  
DIRECTIVE NO:**

**AIRCRAFT TYPE:** SAAB SF340A and SAAB 340B

**SERIAL No:s** Aircraft Mfg. Serial No's SAAB SF340A -004 through -159 and SAAB 340 -  
**AFFECTED:** 160 through -459 with flap assy and serial numbers as below:

- 7257800-507 with Serial No 1258 through 1270
- 7257800-508 with Serial No 1257 through 1269

**NOTE:** NTD inspection according to Service Bulletin SAAB 340-57-037 must (for affected flap assemblies) be performed in conjunction with this SAD.

**NOTE:** The affected flap assemblies were at delivery from Saab installed on A/C Mfg. Serial No's SAAB 340B -367 through 379.

Spares: Flap assemblies P/N (if as spares):

7257800-507 with Serial No 1258 through 1270 and 7257800-508 with Serial No 1257 through 1269

**SUBJECT:** Wings - Flaps - Identification and for affected Flaps, Inspection and Replacement of Bolt and Bushing Installation at WS 123.38

**BACKGROUND:** Some discrepancies have been found in the flap bushing/ bolt installation at WS 123.38. This was most likely caused when implementing Service Bulletin 340-57-027 (Wing - Flaps - Inspection & Modification/Replacement of fittings at WS 123.38) on A/C Mfg. Serial No's 340B -367 through -379.

Bushings with incorrect length may have been installed at the fwd attachment point to the triangular fitting. In similarity with this, bolt and bushings with incorrect lengths may also have been installed at the aft attachment point. Consequently, high bearing stress can occur to the bushings and on the L-fittings due to short bushings and bolts.

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

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High bearing stresses may lead to:

- Worn bushings
- Elongated holes
- Vibrations
- Cracked flap fittings which in worst case can lead to jammed flaps.

**REFERENCE  
DOCUMENTS:**

Saab Aircraft AB Mandatory Service Bulletin SAAB 340-57-035 dated 18 January, 2000

**ACTIONS:**

Perform actions described in Saab Aircraft AB Mandatory Service Bulletin SAAB 340-57-035 dated 18 January, 2000 or later revision

**COMPLIANCE  
TIME:**

Identification of the flap assemblies installed on the aircraft and for affected flap assemblies, visual inspection to be performed within 800 flight hours from effective date of this SAD.

- If any visible crack is found at the flap fittings, replace the flap fittings (Refer to Service Bulletin 340-57-038)
- If no crack is found, repeat the visual inspection every 800 flight hours until the inspection according to Para 2.C. in Service Bulletin SAAB 340-57-035 and replacement of bolts and bushings is performed.

Replacement to be performed within 4800 flight hours from effective date of this SAD.

**EFFECTIVE  
DATE:**

19 January, 2000

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**LUFTFARTSVERKET**  
**Aviation Safety Department**