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Section 1. Swedish Manufactured Aeronautical Products

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**AIRWORTHINESS 1-146  
DIRECTIVE NO:**

**AIRCRAFT TYPE:** SAAB SF 340A  
SAAB 340B

**SERIAL No:s** SAAB SF 340A -004 through -159  
**AFFECTED:** SAAB 340B -160 through -444

**SUBJECT:** Wings - Attach fittings - Inspection of the Bearing housings of the main landing gear support assembly - Improved NDT METHOD

**BACKGROUND:** During replacement of landing gear support assembly bearings, pitting corrosion has been found in the outboard and inboard bearing housings. This is most probably caused by moisture intrusion between the bearing and bearing housing surface. These fittings are currently classified as Safe Life item and normally not considered as Fatigue Critical. Pitting corrosion may initiate fatigue cracks leading to a reduction of the fatigue life of the support assembly.

This SAD calls out an inspection of the bearing installation and gives instruction for an improved installation of the bearings and or repair/replacement of the support assembly if necessary.

Adding an entering radius on the bearing outer surface will avoid damage on the anodized surface in the bearing housings during installation. Improvement of the surface treatment in the bearing housing and sealing after the bearing installation will minimize the possibility for corrosion.

SAD No 1-137 issued 3 February, 1999 has been shown not to address appropriate action and is therefore cancelled.

**LFS 1999:149**

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

Mail address	Office address	Telephone No	Cable address	Telex address
SE-601 79 NORRKÖPING	Vikboplan 11	Nat 011 19 20 00	Civilair	64250
SWEDEN		Int +46 11-19 20 00	Norrköping	
		Fax +46 11 19 25 15		
		+46 11 19 25 75		

**REFERENCE DOCUMENTS:** Saab Aircraft AB Mandatory Service Bulletin SAAB 340-57-036 dated 20 October, 1999

**ACTIONS:** Perform actions described in Saab Aircraft AB Mandatory Service Bulletin SAAB 340-57-036 dated 20 October, 1999 or later revision

**COMPLIANCE TIME:** For A/C with 32000 accumulated flights or more, to be performed within 4000 flights from effective dated of this SAD.

For A/C with 24000 - 32000 accumulated flights, to be performed within 6000 flights from effective date of this SAD.

For A/C with less than 24000 accumulated flights, to be performed at scheduled overhauls (at 12000 or 24000 accumulated flights) of the landing gears or within 6000 flights from effective date of this SAD wichever occurs later.

**EFFECTIVE DATE:** 20 October, 1999

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

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