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Section 1. Swedish Manufactured Aeronautical Products

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**AIRWORTHINESS**

**DIRECTIVE NO:** 1-191

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

**SERIAL No:s**

**AFFECTED:** SAAB SF340A - 004 through 159. SAAB 340B - 160 through 459.

**SUBJECT:** Landing gear - Main landing gear - Replacement of Assistor Spring.

**BACKGROUND:** Assistor springs with the wire-formed end loop design, p/n AIR131330 & p/n AIR125132, have failed in service. Further, one known incident has been reported where the assistor spring cable (wire-rope) prevented the landing gear from locking in fully down position. The number of failures, along with the known incident, indicates that there is an unsafe condition.  
SAD 1-185, which mandates actions according to Service Bulletin SAAB 340-32-126 was released to restore the level of safety.  
Due to discrepancies found in the design introduced by Service Bulletin SAAB 340-32-126 further actions are required.

**REFERENCE DOCUMENTS:** Saab Aircraft Mandatory Service Bulletin SAAB 340-32-130 dated 28 April 2003 or later revision.

**ACTIONS:** Perform actions described in Saab Aircraft Mandatory Service Bulletin SAAB 340-32-130 dated 28 April 2003 or later revision.

**COMPLIANCE TIME:** -For aircraft with Service Bulletin SAAB 340-32-126 incorporated, actions to be performed within 6 months from effective date of this SAD.

-For aircraft with Service Bulletin SAAB 340-32-126 not incorporated, actions to be performed within 3 months from effective date of this SAD.

**EFFECTIVE DATE:** 28 April 2003

**LFS:** 2003:42

**LUFTFARTSVERKET**  
Aviation Safety Authority

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

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