

Section 1. Swedish Manufactured Aeronautical Products

**AIRWORTHINESS**

**DIRECTIVE No:** 1-074

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

**SERIAL No:s**

**AFFECTED:** SAAB SF340A-004 through -159. SAAB 340B-160 through -369.

**SUBJECT:** Stabilizers - Rudder - Inspection /Reinforcement of Nose Rib

**BACKGROUND:** During normal zonal inspection, the nose rib (P/N 7255434-007), installed on the front spar of the rudder has been found cracked. This could result in friction and ultimately jamming between the fin and the rudder due to deformation of the nose rib web after cracking.

**REFERENCE  
DOCUMENTS:**

Saab Aircraft AB Service Bulletin SAAB 340-55-032.

**ACTIONS:**

Perform inspection and installation of reinforced rudder nose rib in accordance with Saab Aircraft AB Service Bulletin SAAB 340-55-032 dated 22 May, 1995, or later revision.

**COMPLIANCE  
TIME:**

For A/C with more than 1600 flight hours;

- Inspection to be performed within 800 flight hours after effective date of this SAD.

For A/C with less than 1600 flight hours;

- Inspection to be performed within a maximum of 2400 flight hours after delivery of A/C.

Action:

- If no cracks are found and the nose rib is not replaced and reinforced, repeat the inspection every 800 flight hours.
- If minor cracks are found (less than 24,5 mm (1.0 inch) long), stop drill and blend. Repeat the inspection every 800 flight hours until the replacement/reinforcement of the nose rib is performed.
- If extensive cracks are found (longer than 24.5 mm (1.0 inch)), replace and reinforce the nose rib.

After installation of the reinforced nose rib the repeated inspection is not longer required.

**EFFECTIVE**

**DATE:** 22 May, 1995.

**LUFTFARTSVERKET  
Flight Safety Department  
LFS 1995:32**

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