

Section 1. Swedish Manufactured Aeronautical Products

**AIRWORTHINESS**

**DIRECTIVE No:** 1-100

**AIRCRAFT TYPE:** Saab Safir 91A, 91B, 91B-2, 91C and 91D

**SERIAL No:s**

**AFFECTED:** All series numbers

**SUBJECT:** Inspection of U-profile in main spar of fuselage for corrosion and repair of damages that may be revealed.

**BACKGROUND:** Corrosion damages have been revealed in the upper and lower U-profile of the fuselage main spar of the aircraft. The profile is exposed to heavy stress from the wing loads transferred in the wing coupling brackets attached to the profile. The corrosion damages may have been caused by grass and dirt being thrown up from the main landing gear wheels and intercepted by the U-profile of the main spar. The grass and dirt also may cause that the drain holes of the U-profile will be plugged up and there will be a risk of corrosion due to undrained moisture. In acidiferous environments this risk will increase.

SAD 1-062 required inspection of the lower U-profile only. Experience has shown that also the upper profile may be subject to corrosion damage.

**REFERENCE  
DOCUMENTS:**

Saab 91 Safir Service bulletin Number 91.1.1.006, revision 1, dated August 29 1996.

**ACTIONS:** Perform actions described in Saab 91 Safir service Bulletin Number 91.1.006, revision 1, dated August 29, 1996 or later revision.

**COMPLIANCE**

**TIME:** Not later than 1 January, 1997, and to be repeated annually.

**EFFECTIVE**

**DATE:** 30 August, 1996

**LUFTFARTSVERKET  
Flight Safety Department**

**LFS:1996:54**

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