
Section 1. Swedish Manufactured Aeronautical Products

AIRWORTHINESS

DIRECTIVE NO: 1-173

AIRCRAFT TYPE: SAAB SF340A and 340B

SERIAL No:s SAAB SF340A - 004 through - 159.

AFFECTED: SAAB 340B - 160 through - 459.

SUBJECT: Landing Gear - Installation of New Retract Actuator Bracket Attachment Bolt.

BACKGROUND: Historically, failure of the retract actuator bracket attachment bolt, has been caused by hydrogen embrittlement. This can be caused by failure to fully de-embrittle after electroplating the bolt during the manufacturing process.

A failure of the retract actuator bracket attachment bolt will cause the retract actuator bracket to come loose. This failure will prevent retraction of the actual main landing gear and can cause considerable damage to other landing gear parts as well as to the trunnion fitting of the main landing gear.

To prevent further hydrogen embrittlement of the existing retract actuator bracket attachment bolt, the manufacturer of the landing gear (APPH) has designed a new retract actuator bracket attachment bolt. Referenced Service Bulletin introduces a new retract actuator bracket attachment bolt which is aluminium coated with vapour deposition instead of being Electro-Plated.

REFERENCE DOCUMENTS: Saab Aircraft Service Bulletin SAAB 340-32-124.

ACTIONS: Perform actions described in Saab Aircraft Service Bulletin SAAB 340-32-124 dated 26 February 2002 or later revision.

COMPLIANCE TIME: To be performed within 12 months after effective date of this SAD.

EFFECTIVE DATE: 4 March 2002

LFS: 2002:40

LUFTFARTSVERKET
Aviation Safety Department

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

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