



## Airworthiness Directive

**AD No.:** 2018-0103

**Issued:** 30 April 2018

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) 216/2008 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.

This AD is issued in accordance with Regulation (EU) 748/2012, Part 21.A.3B. In accordance with Regulation (EU) 1321/2014 Annex I, Part M.A.301, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an AD applies, except in accordance with the requirements of that AD, unless otherwise specified by the Agency [Regulation (EU) 1321/2014 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [Regulation (EC) 216/2008, Article 14(4) exemption].

### Design Approval Holder's Name:

SAAB AB

### Type/Model designation(s):

SAAB 2000 aeroplanes

**Effective Date:** 07 May 2018

**TCDS Number(s):** EASA.A.069

**Foreign AD:** Not applicable

**Supersedure:** None

## ATA 27 – Flight Controls – Aileron Bellcrank Support Bracket – Inspection / Replacement

### Manufacturer(s):

SAAB AB

### Applicability:

SAAB 2000 aeroplanes, all manufacturer serial numbers.

### Definitions:

For the purpose of this AD, the following definitions apply:

**The SB:** SAAB AB, Support and Services, Service Bulletin (SB) 2000-27-056.

**Affected support bracket:** Aileron bellcrank support brackets, Part Number (P/N) 7327993-813 and P/N 7327993-814, for which it has been determined that the affected lug attaching the bracket to the rear spar of the wing has a thickness of less than 2.75 mm (0.108 in.), as specified in the instructions of the SB.

**Serviceable support bracket:** Aileron bellcrank support brackets, P/N 7327993-813 and P/N 7327993-814, for which it has been determined that the affected lug attaching the bracket to the rear spar of the wing has a thickness of 2.75 mm (0.108 in.) or more, as specified in the instructions of the SB.



**Reason:**

A manufacturing defect was identified on certain aileron bellcrank support brackets, installed on the outboard section of the left hand (LH) and right hand (RH) wing. The material thickness of the lugs attaching the support bracket to the rear spar of the wing was found to be insufficient.

This condition, if not detected and corrected, could, in case of an aileron jamming, lead to support bracket failure, possibly resulting in reduced control of the aeroplane.

To address this potential unsafe condition, SAAB issued the SB to provide instructions for inspection and replacement of affected support brackets.

For the reason described above, this AD requires a one-time inspection of all support brackets to determine the thickness and, depending on findings, repetitive inspections of the affected support brackets. This AD also requires reporting the measured thickness, and replacement of all affected support brackets with serviceable support brackets, which constitutes terminating action.

**Required Action(s) and Compliance Time(s):**

Required as indicated, unless accomplished previously:

**Inspection(s):**

- (1) Within 100 flight cycles (FC) or 30 days, whichever occurs first after the effective date of this AD, accomplish a detailed visual inspection of the affected lug and the adjacent area of the support brackets installed on the LH and RH wing, and measure the thickness of the affected lug attaching the support bracket to the rear spar of the wing, in accordance with the instructions of the SB.
- (2) If, during the measurement as required by paragraph (1) of this AD, it is determined that the affected lug attaching the support bracket to the rear spar of the wing has a thickness of less than 2.75 mm (0.108 in.), before next flight, and, thereafter, at intervals not to exceed 100 FC, accomplish a detailed visual inspection of that affected support bracket in accordance with the instructions of the SB.

**Corrective Action(s):**

- (3) If, during any inspection as required by paragraph (1) or (2) of this AD, as applicable, any crack, damage, or corrosion is found, before next flight, contact SAAB for approved corrective action instructions and, within the compliance time specified therein, accomplish those instructions accordingly. If no compliance time is specified in the instructions, accomplish the corrective action before next flight.
- (4) Unless already accomplished as specified in paragraph (3) of this AD, within 6 months after the effective date of this AD, replace each affected support bracket with a serviceable support bracket in accordance with the instructions of the SB.

**Reporting:**

- (5) Within 15 days after the measurement as required by paragraph (1) of this AD, or within 15 days after the effective date of this AD, whichever occurs later, report the results to SAAB in accordance with the instructions (ref. Fig. 1) of the SB.



**Terminating Action:**

- (6) Installation of serviceable support brackets on an aeroplane, as required by paragraph (4) of this AD, constitutes terminating action for the repetitive inspections as required by paragraph (2) of this AD for that aeroplane.

**Parts Installation:**

- (7) From the effective date of this AD, it is allowed to install on any aeroplane a support bracket P/N 7327993-813 or P/N 7327993-814, provided it is a serviceable support bracket.

**Ref. Publications:**

SAAB AB, Support and Services, SB 2000-27-056 original issue dated 18 April 2018.

The use of later approved revisions of the above-mentioned document is acceptable for compliance with the requirements of this AD.

**Remarks:**

1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.
2. Based on the required actions and the compliance time, EASA have decided to issue a Final AD with Request for Comments, postponing the public consultation process until after publication.
3. Enquiries regarding this AD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu).
4. For any question concerning the technical content of the requirements in this AD, please contact: Saab AB, Support and Services, SE-581 88 Linköping, Sweden  
E-mail: [Saab2000.techsupport@saabgroup.com](mailto:Saab2000.techsupport@saabgroup.com).

