



Airworthiness Directive

AD No.: 2016-0171

Issued: 22 August 2016

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, AERONAUTICS

Type/Model designation(s):

SAAB 2000 aeroplanes

Effective Date: 05 September 2016

TCDS Number(s): EASA.A.069

Foreign AD: Not applicable

Supersedure: None

ATA 54 – Nacelles/Pylons – Engine Mounting Upper Longeron and Upper Fitting Fasteners – Inspection

Manufacturer(s):

Saab AB, Aeronautics (formerly Saab Aerosystems)

Applicability:

SAAB 2000 aeroplane model, all manufacturer Serial Numbers

Reason:

During inspections, blind fasteners were found installed in engine mounting structure (EMS) upper fittings, frame NS204.7 and upper longerons. The type design specifies that the fasteners at this location must be Hi-Lok fasteners and two solid rivets (monel).

This condition, if not detected and corrected, could cause cracks development, vibration in the engine mount structure, leading to failure of the affected engine mount-to-aeroplane structural connection, possibly resulting in detachment of an engine from the aeroplane when affecting both sides of a nacelle.

To address this unsafe condition, SAAB issued Service Bulletin (SB) 2000-54-035 (hereafter referred to as 'the SB' in this AD) to provide inspection instructions.



For the reasons described above, this AD requires a one-time detailed visual inspection of the affected areas to determine which type(s) of fasteners are installed, and, depending on findings, accomplishment of applicable corrective action(s). This AD also requires reporting of all inspection results to SAAB.

This AD is considered an interim action and further AD action may follow.

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

Required as indicated, unless accomplished previously:

Inspection and Reporting

- (1) Within 30 days or 150 flight hours, whichever occurs first after the effective date of this AD, inspect the upper longerons and upper fittings of the EMS structure to identify the type of fasteners installed, in accordance with the instructions of the SB, and report the inspection results (including no findings) to SAAB, in accordance with the instructions of the SB.
- (2) If, during the inspection as required by paragraph (1) of this AD, any other fasteners than the ones required in the SB found installed, before next flight, do a detailed inspection of those fasteners in accordance with the instructions of the SB.

Corrective Action

- (3) If, during the inspection as required by paragraph (2) of this AD, any gap is found between the fastener heads and structure, or any traces of movement or deformation of the structure, before next flight, contact SAAB for approved repair instructions and accomplish those instructions accordingly.
- (4) If, during the inspection as required by paragraph (2) of this AD, all those fasteners are firmly attached and no deformation of the structure is found, contact SAAB for approved repair instructions and, within the compliance time indicated in those instructions, accomplish the repair accordingly.

Ref. Publications:

SAAB SB 2000-54-035 original issue dated 22 July 2016 or Revision 1 dated on 12 August 2016.

The use of later approved revisions of this 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.



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.

