



Airworthiness Directive

AD No.: 2019-0053

Issued: 14 March 2019

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EU) 2018/1139 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 129 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 (EU) 2018/1139, Article 71 exemption].

Design Approval Holder's Name:

SAAB AB

Type/Model designation(s):

SAAB 2000 aeroplanes

Effective Date: 28 March 2019

TCDS Number(s): EASA.A.069

Foreign AD: Not applicable

Supersedure: None

ATA 28 – Fuel – Magnetic Fuel Level Indicator – Inspection

Manufacturer(s):

SAAB AB (SAAB), formerly Saab Aircraft AB

Applicability:

SAAB 2000 aeroplanes, all serial numbers.

Definitions:

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

The SB: SAAB Service Bulletin (SB) 2000-28-027.

Affected part: Magnetic fuel level indicators, having Part Number 35081587.

Serviceable part: An affected part that is new (not previously installed); or an affected part that, before installation, has passed an inspection (no crack detected) in accordance with the instructions of the SB.

Reason:

Occurrences have been reported where, during maintenance, magnetic fuel level indicators were found with cracks in the O-ring groove. Investigation results indicate that these cracks may be due to over-torque during installation of the unit, although the applicable Aircraft Maintenance Manual instructs that the proper nut torque is between 2.8 and 3.4 Nm.



This condition, if not detected and corrected, could lead to failure of an indicator, possibly resulting in a puncture of the fuel tank bottom, with consequent fuel leakage and risk of fuel starvation.

To address this potential unsafe condition, SAAB issued the SB to provide inspection instructions.

For the reason described above, this AD requires a one-time inspection of affected parts and, depending on findings, accomplishment of applicable corrective action(s).

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

Required as indicated, unless accomplished previously:

Inspection(s):

- (1) Within 3 000 flight hours or 24 months, whichever occurs first after the effective date of this AD, remove and inspect each affected part in accordance with the instructions of the SB.

Corrective Action(s):

- (2) If, during the inspection as required by paragraph (1) of this AD, any crack is detected on an affected part, before next flight, replace that affected part with a serviceable part.

Parts Installation:

- (3) From the effective date of this AD, it is allowed to install on any aeroplane an affected part, provided that it is a serviceable part, as defined in this AD.

Ref. Publications:

SAAB SB 2000-28-027 original issue dated 15 January 2019.

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. This AD was posted on 11 February 2019 as PAD 19-021 for consultation until 11 March 2019. No comments were received during the consultation period.
3. Enquiries regarding this AD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
4. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this AD, and which may occur, or have occurred on a product, part or appliance not affected by this AD, can be reported to the [EU aviation safety reporting system](#).
5. 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.

