



Notification of a Proposal to issue an Airworthiness Directive

PAD No.: 20-148

Issued: 28 September 2020

Note: This Proposed Airworthiness Directive (PAD) 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.

In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the issuance of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below.

All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation date indicated.

Design Approval Holder's Name:

SAAB AB

Type/Model designation(s):

SAAB 2000 aeroplanes

Effective Date: [TBD - standard: 14 days after AD issue date]

TCDS Number(s): EASA.A.069

Foreign AD: Not applicable

Supersedure: None

ATA 32 – Landing Gear – Transfer Valve Installation – Modification

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) 2000-32-081.

Reason:

An occurrence was reported on a SAAB 2000 aeroplane, where the left-hand main landing gear (MLG) collapsed after touchdown, causing severe damage to the aeroplane. During the event flight, despite several attempts using either normal or emergency procedures, it was not possible to fully retract, extend or lock down the MLG. Although the root cause of this event was not fully confirmed, the conclusion from the investigation was that abnormal behaviour of a transfer valve resulted most likely from the presence of a foreign object, causing a restriction in hydraulic flow.



This condition, if not corrected, could cause further events of transfer valve not functioning properly and subsequent failure to retract, extend, or lock the MLG, possibly resulting in MLG collapse following landing, with consequent damage to the aeroplane and injury to occupants.

To address this potential unsafe condition, SAAB issued the SB to provide modification instructions to install a new relay, together with relocation of wiring and installation of new wiring, to ensure that, when the emergency extension handle is used, the transfer valve solenoid is energized to force the transfer valve to the 'gear down' position.

For the reason described above, this AD requires modification of the MLG hydraulic transfer valve installation.

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

Required as indicated, unless accomplished previously:

Modification:

Within 24 months or 3 000 flight hours, whichever occurs first after the effective date of this AD, modify the installation of the MLG hydraulic transfer valve in accordance with the instructions of the SB.

Ref. Publications:

SAAB SB 2000-32-081 original issue dated 11 August 2020.

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

Remarks:

1. This Proposed AD will be closed for consultation on 12 October 2020.
2. Enquiries regarding this PAD should be referred to the EASA Programming and Continued Airworthiness Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
3. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this PAD, and which may occur, or have occurred on a product, part or appliance not affected by this PAD, can be reported to the [EU aviation safety reporting system](#). This may include reporting on the same or similar components, other than those covered by the design to which this PAD applies, if the same unsafe condition can exist or may develop on an aircraft with those components installed. Such components may be installed under an FAA Parts Manufacturer Approval (PMA), Supplemental Type Certificate (STC) or other modification.
4. For any question concerning the technical content of the requirements in this PAD, please contact: SAAB AB, Support and Services, SE-581 88 Linköping, Sweden, E-mail: Saab2000.techsupport@saabgroup.com.

