



Airworthiness Directive

AD No.: 2019-0306

Issued: 18 December 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:

DAHER AEROSPACE

Type/Model designation(s):

TBM 700 aeroplanes

Effective Date: 01 January 2020

TCDS Number(s): EASA.A.010

Foreign AD: Not applicable

Supersedure: None

ATA 21 – Air Conditioning – Dump Switch – Modification

Manufacturer(s):

Compagnie DAHER, formerly SOCATA, EADS SOCATA, Société de Construction d'Avions de Tourisme et d'Affaires

Applicability:

TBM 700 aeroplanes, all manufacturer serial numbers (MSN) except MSN 1105 and lower.

Definitions:

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

The SB: DAHER AEROSPACE Service Bulletin (SB) 70-271-21.

Affected switch: Dump switch having Part Number (P/N) 7388475012, without seal (as described in the SB).

Groups: Group 1 aeroplanes are those that have an affected switch installed. Group 2 aeroplanes are those that do not have an affected switch installed. An aeroplane having MSN 1288 or higher is Group 2, provided no dump switch has been replaced nor reinstalled on that aeroplane since aeroplane first flight.



Reason:

It has been determined that, in certain conditions, an affected switch may eject from its slot. Investigations identified the root cause in a non-conformity of the affected switch.

This condition, if not corrected, could, in case of smoke/fumes in the cabin, prevent evacuation of the smoke/fumes, possibly resulting in excessive flight crew workload and/or injury to aeroplane occupants.

To address this potential unsafe condition, DAHER AEROSPACE issued the SB to provide modification instructions.

For the reasons described above, this AD requires modification of the affected parts by installation of a seal, and introduces requirements for installation of a dump switch.

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

Required as indicated, unless accomplished previously:

Modification:

- (1) For group 1 aeroplane: Within 12 months after the effective date of this AD, modify the affected switch in accordance with the instructions of the SB.

Parts Installation:

- (2) From the effective date of this AD, it is allowed to install (see Note 1 of this AD) a dump switch having P/N 7388475012 on any aeroplane, provided that the switch is equipped with a seal, as described in the SB.

Note 1: For the purpose of this AD, removal of a dump switch from an aeroplane and subsequent re-installation of that dump switch on the same aeroplane within the same maintenance visit is not "install" as specified in paragraph (2) of this AD.

Ref. Publications:

DAHER AEROSPACE SB 70-271-21 original issue dated July 2019, or revision 1 dated November 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 October 2019 as PAD 19-188 for consultation until 08 November 2019. No comments were received during the consultation period.
3. Enquiries regarding this AD should be referred to the EASA Programming and Continued Airworthiness 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: DAHER AEROSPACE, Direction des services, 65921 Tarbes Cedex 9, France, Telephone +33 (0) 5 62 41 73 00, Fax + 33 (0) 5 62 41 76 54, E-mail: TBMCare@daher.com.

