



Airworthiness Directive

AD No.: 2017-0018

Issued: 03 February 2017

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:

SOCATA

Type/Model designation(s):

TBM 700 aeroplanes

Effective Date: 17 February 2017

TCDS Number(s): EASA.A.010

Foreign AD: Not applicable

Supersedure: This AD supersedes DGAC France AD 2001-582(A) R1 dated 09 July 2003.

ATA 27 – Flight Controls – Aileron Control – Modification

Manufacturer(s):

SOCATA (formerly EADS SOCATA)

Applicability:

SOCATA TBM 700 aeroplanes, manufacturer serial numbers (MSN) 1 through 184 inclusive, 186, 187, 189 through 204 inclusive, 206 and 207.

Reason:

An event occurred in 2001 on an in-service aeroplane where, during a pre-flight check of the flight controls, the pilot control wheel jammed in full nose up and full left position after having exceeded the control stop of roll.

This condition, if not corrected, could lead to reduced control of the aeroplane.

Prompted by these findings, SOCATA issued Service Bulletin (SB) 70-095-27 to provide inspection instructions.

To address this unsafe condition, DGAC France issued AD 2001-582(A) to require repetitive inspections of the flight control system after any maintenance operation on flight controls. That AD was later revised to update the list of affected aeroplane MSN.



Since DGAC France AD 2001-582(A) R1 was issued, SOCATA issued Revision 2 of SB 70-095-27 to provide instructions for replacement of the rivets in the roll primary stops as a terminating action for the repetitive inspections.

For the reasons described above, this AD, which supersedes DGAC France AD 2001-582(A) R1, requires replacement of the rivets in the roll primary stops of the flight control wheels at the next maintenance operation on flight controls.

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

Required as indicated, unless accomplished previously:

- (1) At the next maintenance operation on flight controls, but not later than 13 months after the effective date of this AD, replace the rivets in the roll primary stops of both control wheels in accordance with the instructions of SOCATA SB 70-095-27 Revision 2.
- (2) Replacement of roll primary stop rivets on an aeroplane, accomplished before the effective date of this AD in accordance with the instructions of SOCATA SB 70-095-27 at original issue or Revision 1, is acceptable to comply with the requirements of paragraph (1) of this AD for that aeroplane.
- (3) Modification of an aeroplane (by installing a roll control emergency stop on each control wheel) in accordance with the instructions of SOCATA SB 70-114-27 (modification MOD70-0161-27), is an acceptable alternative method to comply with the requirements of paragraph (1) of this AD for that aeroplane.

Ref. Publications:

SOCATA SB 70-095-27 original issue dated November 2001, or Revision 1 dated April 2003, or Revision 2 dated October 2016.

SOCATA SB 70-114-27 original issue dated December 2004.

The use of later approved revisions of these documents 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 21 December 2016 as PAD 16-175 for consultation until 18 January 2017. The Comment Response Document can be found at <http://ad.easa.europa.eu>.
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:



SOCATA, Direction des services, 65921 Tarbes Cedex 9, France,
Telephone +33 (0) 5 62 41 73 00, Fax + 33 (0) 5 62 41 76 54.

or for the U.S.A.:

SOCATA NORTH AMERICA, 601 NE 10 Street, Pompano Beach, Florida 33060,
United States of America,
Telephone +1 (954) -366-3331.

