

EASA	AIRWORTHINESS DIRECTIVE
	AD No.: 2013-0100 Date: 30 April 2013 Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) No 216/2008 on behalf of the European Community, 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 EU 748/2012, Part 21A.3B. In accordance with EC 2042/2003 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 [EC 2042/2003 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [EC 216/2008, Article 14(4) exemption].	
Design Approval Holder's Name: SOCATA	Type/Model designation(s): TBM 700 aeroplanes
TCDS Number:	EASA A.010
Foreign AD:	Not applicable
Supersedure:	This AD supersedes DGAC France AD 2005-132 (EASA Approval 2005-6117) dated 27 July 2005.
ATA 53	Fuselage – Rivets at Frames C18 BIS and C19 – Inspection / Replacement
Manufacturer(s):	SOCATA (formerly EADS SOCATA)
Applicability:	SOCATA TBM 700 aeroplanes, manufacturer serial numbers (MSN) 1 through 345 inclusive.
Reason:	In 2005, some loose rivets were detected on frames C18 BIS and C19. This condition, if not detected and corrected, could adversely affect the structural integrity of the tail area of the aeroplane. To address this unsafe condition, DGAC France issued AD 2005-132 to require repetitive inspections and, depending on findings, the accomplishment of corrective actions. After that AD was issued, further analyses have been performed in the frame of an improvement of the TBM 700 Aircraft Maintenance Program. The results of these analyses revealed that the inspection threshold and interval allowing a timely detection of loose rivets and the accomplishment of an applicable corrective action can be extended. Prompted by these results, SOCATA issued Revision 02 of Service Bulletin (SB) 70-129-53. For the reasons described above, this AD retains the requirements of DGAC France AD 2005-132, which is superseded, but extends the inspection thresholds and intervals.
Effective Date:	14 May 2013

Required Action(s) and Compliance Time(s):	Required as indicated, unless accomplished previously: (1) Before the accumulation of 200 flight hours (FH), or within 12 months, whichever occurs first, since aeroplane first flight, and, thereafter, at intervals not to exceed 200 FH or 12 months, whichever occurs first, perform a detailed visual inspection of the rivets at frames C18 BIS and C19 in accordance with the instructions of SOCATA SB 70-129-53. Note: The non-cumulative tolerance as defined in SOCATA TBM 700 Maintenance Manual may be applied to the inspection interval specified in paragraph (1) of this AD. (2) If, during any inspection as required by paragraph (1) of this AD, a discrepancy is detected, before next flight, accomplish the applicable corrective actions in accordance with the instructions of SOCATA SB 70-129-53. (3) Accomplishment of corrective actions, as required by paragraph (2) of this AD, does not constitute terminating action for the repetitive inspections as required by paragraph (1) of this AD.
Ref. Publications:	SOCATA SB SB 70-129-53 original issue, dated June 2005, or Revision 01, dated February 2009, or Revision 02, dated October 2012. 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. This AD was posted on 15 April 2013 as PAD 13-055 for consultation until 29 April 2013. No comments were received during the consultation period. 3. Enquiries regarding this AD should be referred to the Safety Information Section, Executive Directorate, EASA. 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. Tel. +33 (0) 5 62 41 73 00, Fax : + 33 (0) 5 62 41 76 54. or for the U.S.A. SOCATA NORTH AMERICA, North Perry Airport, 7501 South Airport Road, Pembroke Pines, Florida 33023, The United States of America. Tel.: +1 (954) 893 1400 Fax: +1 (954) 964 4141.