Effective Date

(a) This airworthiness directive (AD) becomes effective February 26, 2007.

Affected ADs

(b) None.

Applicability

(c) This AD applies to SOCATA Models TB 20 and TB 21 airplanes, serial numbers 1 through 9999 without repair REP 20.031 implemented on both sides, certificated in any category.

Reason

(d) The mandatory continuing airworthiness information (MCAI) states there are reports of interference between the wing spar lower boom and the wheel fairing attaching screw causing an unsafe condition. The interference could, if left uncorrected, reduce the fatigue life of the wing spar with potentially catastrophic results. The MCAI requires inspections and repairs as necessary to correct this unsafe condition.

Actions and Compliance

(e) Unless already done, do the following actions.

1. Within the next 100 hours time-in-service or 12 months after the effective date of this AD, whichever occurs first, perform an inspection of the wing spar lower boom and repair it as necessary, in accordance with the accomplishment instructions of the EADS SOCATA TB Aircraft Mandatory Service Bulletin SB 10-148, ATA No. 57, dated December 2005.

2. If defect dimensions exceed the acceptable values given in the EADS SOCATA TB Aircraft Mandatory Service Bulletin SB 10-148, ATA No. 57, dated December 2005, or if the defect is not located in areas depicted in figure 2 of the EADS SOCATA TB Aircraft Mandatory Service Bulletin SB 10-148, ATA No. 57, dated December 2005, then the Type 1 or Type 2 repair solutions are not applicable. A written report shall be sent to the manufacturer as mentioned in section A.5 of the EADS SOCATA TB Aircraft Mandatory Service Bulletin SB 10-148, ATA No. 57, dated December 2005. In this case, all flight is prohibited until EADS SOCATA provides a repair solution or otherwise agrees to further flight.

FAA AD Differences

Note: This AD differs from the MCAI and/or service information as follows: No differences.
Other FAA AD Provisions

(f) The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, Standards Staff, FAA, ATTN: Doug Rudolph, Aerospace Engineer, FAA, Small Airplane Directorate, 901 Locust, Room 301, Kansas City, Missouri 64106; telephone: (816) 329-4059; fax: (816) 329-4090, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19.

(2) Airworthy Product: For any requirement in this AD to obtain corrective actions from a manufacturer or other source, use these actions if they are FAA-approved. Corrective actions are considered FAA-approved if they are approved by the State of Design Authority (or their delegated agent). You are required to assure the product is airworthy before it is returned to service.

(3) Reporting Requirements: For any reporting requirement in this AD, under the provisions of the Paperwork Reduction Act (44 U.S.C. 3501 et seq.), the Office of Management and Budget (OMB) has approved the information collection requirements and has assigned OMB Control Number 2120-0056.

Related Information


Material Incorporated by Reference

(h) You must use EADS SOCATA TB Aircraft Mandatory Service Bulletin SB 10-148, ATA No. 57, dated December 2005, to do the actions required by this AD, unless the AD specifies otherwise.

(1) The Director of the Federal Register approved the incorporation by reference of this service information under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) For service information identified in this AD, contact EADS 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 SOCATA Aircraft, INC., North Perry Airport, 7501 Airport Road, Pembroke Pines, Florida 33023; telephone: (954) 893-1400; fax: (954) 964-4141.

(3) You may review copies at the FAA, Central Region, Office of the Regional Counsel, 901 Locust, Room 506, Kansas City, Missouri 64106; or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: http://www.archives.gov/federal-register/cfr/ibr-locations.html.