

Model	Serial numbers
SA227-CC	CC784 and CC790 through CC863.
SA227-DC	DC784 and DC790 through DC863.

Note 1: This AD applies to each airplane identified in the preceding applicability provision, regardless of whether it has been modified, altered, or repaired in the area subject to the requirements of this AD. For airplanes that have been modified, altered, or repaired so that the performance of the requirements of this AD is affected, the owner/operator must use the authority provided in paragraph (c) of this AD to request approval from the FAA. This approval may address either no action, if the current configuration eliminates the unsafe condition, or different actions necessary to address the unsafe condition described in this AD. Such a request should include an assessment of the effect of the changed configuration on the unsafe condition addressed by this AD. In no case does the presence of any modification, alteration, or repair remove any airplane from the applicability of this AD.

Compliance: Required within the next 600 hours time-in-service after the effective date of this AD, unless already accomplished.

To prevent airplane flight control jammings caused by objects falling through the cockpit floor openings, accomplish the following:

(a) Install foreign object damage (FOD) barriers in the floorboards of the cockpit between the pedestal and floor from Fuselage Station (FS) 79.38 to FS 88.06 and on the outboard forward edge of the left-hand and right-hand cockpit forward floorboards at FS 79.38. Accomplish this action in accordance with the ACCOMPLISHMENT INSTRUCTIONS section of either Fairchild Service Bulletin (SB) 226-53-012, Fairchild SB 227-53-005, or Fairchild SB CC7-53-002, all Issued: September 22, 1994, as applicable.

(b) Special flight permits may be issued in accordance with sections 21.197 and 21.199 of the Federal Aviation Regulations (14 CFR 21.197 and 21.199) to operate the airplane to a location where the requirements of this AD can be accomplished.

(c) An alternative method of compliance or adjustment of the compliance time that provides an equivalent level of safety may be approved by the Manager, Airplane Certification Office (ACO), FAA, 2601 Meacham Boulevard, Fort Worth, Texas 76193-0150. The request shall be forwarded through an appropriate FAA Maintenance Inspector, who may add comments and then send it to the Manager, Fort Worth ACO.

Note 2: Information concerning the existence of approved alternative methods of compliance with this AD, if any, may be obtained from the Fort Worth ACO.

(d) All persons affected by this directive may obtain copies of the service bulletins referred to herein upon request to Fairchild Aircraft, P.O. Box 790490, San Antonio, Texas 78279-0490; or may examine these service bulletins at the FAA, Central Region, Office of the Assistant Chief Counsel, Room

1558, 601 E. 12th Street, Kansas City, Missouri 64106.

Issued in Kansas City, Missouri, on June 9, 1995.

Gerald W. Pierce,

Acting Manager, Small Airplane Directorate, Aircraft Certification Service.

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14 CFR Part 39

[Docket No. 94-ANE-53]

Airworthiness Directives; Teledyne Continental Motors and Rolls-Royce, plc O-200 Series Reciprocating Engines

AGENCY: Federal Aviation Administration, DOT.

ACTION: Notice of proposed rulemaking (NPRM).

SUMMARY: This document proposes the superseding of an existing airworthiness directive (AD), applicable to Teledyne Continental Motors (TCM) O-200 series reciprocating engines, that currently requires resetting engine timing to 24° Before Top Center (BTC). This action would return to the 28° BTC engine timing for those engines equipped with improved cylinders that have strengthened heads. This action would also add license-built Rolls-Royce, plc O-200 series engines to the AD's applicability and drop the TCM O-200C model which never went into production. This proposal is prompted by the availability of improved cylinders. The actions specified by the proposed AD are intended to prevent possible cylinder cracking with subsequent loss of engine power.

DATES: Comments must be received by August 14, 1995.

ADDRESSES: Submit comments in triplicate to the Federal Aviation Administration (FAA), New England Region, Office of the Assistant Chief Counsel, Attention: Rules Docket No. 94-ANE-53, 12 New England Executive Park, Burlington, MA 01803-5299. Comments may be inspected at this location between 8:00 a.m. and 4:30 p.m., Monday through Friday, except Federal holidays.

The service information referenced in the proposed rule may be obtained from Teledyne Continental Motors, P.O. Box 90, Mobile, AL 36601; telephone (334) 438-3411. This information may be examined at the FAA, New England Region, Office of the Assistant Chief Counsel, 12 New England Executive Park, Burlington, MA.

FOR FURTHER INFORMATION CONTACT: Jerry Robinette, Aerospace Engineer, Atlanta

Aircraft Certification Office, FAA, Small Airplane Directorate, Campus Building, 1701 Columbia Ave., Suite 2-160, College Park, GA 30337-2748; telephone (404) 305-7371, fax (404) 305-7348.

SUPPLEMENTARY INFORMATION:

Comments Invited

Interested persons are invited to participate in the making of the proposed rule by submitting such written data, views, or arguments as they may desire. Communications should identify the Rules Docket number and be submitted in triplicate to the address specified above. All communications received on or before the closing date for comments, specified above, will be considered before taking action on the proposed rule. The proposals contained in this notice may be changed in light of the comments received.

Comments are specifically invited on the overall regulatory, economic, environmental, and energy aspects of the proposed rule. All comments submitted will be available, both before and after the closing date for comments, in the Rules Docket for examination by interested persons. A report summarizing each FAA-public contact concerned with the substance of this proposal will be filed in the Rules Docket.

Commenters wishing the FAA to acknowledge receipt of their comments submitted in response to this notice must submit a self-addressed, stamped postcard on which the following statement is made: "Comments to Docket Number 94-ANE-53." The postcard will be date stamped and returned to the commenter.

Availability of NPRMs

Any person may obtain a copy of this NPRM by submitting a request to the FAA, New England Region, Office of the Assistant Chief Counsel, Attention: Rules Docket No. 94-ANE-53, 12 New England Executive Park, Burlington, MA 01803-5299.

Discussion

On June 9, 1977, the Federal Aviation Administration (FAA) issued airworthiness directive (AD) 77-13-03, Amendment 39-2925 (42 FR 31770, June 23, 1977), applicable to Teledyne Continental Motors (TCM) O-200A, O-200B, and O-200C series reciprocating engines, to require resetting engine timing to 24° Before Top Center (BTC). That action was prompted by reports of cylinder cracking. Reduction of engine timing reduced cylinder head stress and lowered cylinder head temperature for