

**93-22-05 TELEDYNE CONTINENTAL MOTORS:** Amendment 39-8744. Docket 93-ANE-54.

Applicability: Teledyne Continental Motors (TCM) Model O-200A reciprocating engines with Engine Serial Numbers 256030 through 256037; and TCM C85, C90, O-200, and O-240 series reciprocating engines with carburetor air intake housing assemblies, Part Numbers (P/N) CE11141, CE11142, 639814, 639815, 641534, and Repair Kit Assemblies, P/N 641689, purchased after August 31, 1991, without a permanent ink stamp "CSB 93- 13" located on the inside of the housing assembly. These engines are installed on but not limited to the following aircraft: American Champion Models 7BCM, 7CCM, S7CCM, 7DC, S7DC, 7EC, S7EC, 7FC, 7JC, 7ECA, 11BC, S11BC, 11CC, S11CC, and 402; Anderson Greenwood Model 14; Cessna Model 120, 140, 140A, 150, 150A-M, and A150K-M; Luscombe Model 8E, 8F, and T-8F; McClish (Funk) Model B85C; Piper Model PA-18 and PA-19; Reims Model F150G, H, J, K, L, M, FA150K, L, FRA150L, and M; Spinks Model Lark 95; Superior (Culver) Model V and V-2; Taylorcraft Model 19 and F-19; and Univair (Erco, Forney, Alon, Mooney) Model 415E, 415G, F-1, F-1A, A-2, and M-10.

Compliance: Required as indicated, unless accomplished previously.

To prevent engine failure due to a cracked air valve in the carburetor air intake housing assembly, accomplish the following:

(a) Within the next 5 hours time in service (TIS) after the effective date of this AD, inspect the carburetor air intake housing assembly in accordance with paragraph 2 of the Inspection Procedure section of TCM Critical Service Bulletin (CSB) No. 93-13, dated August 12, 1993.

(1) If the carburetor air intake housing assembly meets the requirements of Paragraph 2A of the Inspection Procedures of TCM CSB No. 93-13, dated August 12, 1993, no further action is required.

(2) If the carburetor air intake housing assembly meets the requirements of paragraph 2B of TCM CSB No. 93-13, dated August 12, 1993, inspect the carburetor air intake housing assembly for cracks. If cracks are found anywhere in the assembly, prior to further flight replace with a serviceable assembly.

(b) Thereafter, for assemblies that meet the requirements of paragraph 2B of TCM CSB No. 93-13, dated August 12, 1993, inspect the carburetor air intake housing assembly for cracks in accordance with Paragraphs 3 and 4 of the Inspection Procedure of TCM CSB No. 93-13, dated August 12, 1993, at intervals not to exceed 25 hours TIS since the last inspection. If cracks are found anywhere in the assembly, prior to further flight replace with a serviceable assembly.

(c) Inspect uninstalled carburetor air intake housing assemblies in accordance with paragraph (a) of this AD prior to installation.

(d) For the purpose of this AD, a serviceable carburetor air intake housing assembly is defined as:

- (1) An assembly purchased on or before August 31, 1991; or
- (2) An assembly that meets the inspection criteria of paragraph (a)(1) of this AD; or
- (3) An assembly with the following P/N's:
  - (i) 653661, which supersedes CE11142;
  - (ii) 653670, which supersedes 639815;
  - (iii) 653675, which supersedes 641534;
  - (iv) 653657, which supersedes 641689; or
- (4) An assembly, P/N 641534, with a permanent ink stamp "CSB 93-13" located on the inside of the housing assembly.

NOTE: The assemblies, P/N's CE11141 and 639814, have not been superseded, as these are assemblies with the air filter included, corresponding to airboxes, P/N's CE11142 and 639815.

(e) Replacement with a serviceable carburetor air intake housing assembly constitutes terminating action to the inspection requirements of this AD.

(f) An alternative method of compliance or adjustment of the compliance time that provides an acceptable level of safety may be used if approved by the Manager, Atlanta Aircraft Certification Office. The request should be forwarded through an appropriate FAA Maintenance Inspector, who may add comments and then send it to the Manager, Atlanta Aircraft Certification Office.

NOTE: Information concerning the existence of approved alternative methods of compliance with this airworthiness directive, if any, may be obtained from the Atlanta Aircraft Certification Office.

(g) Special flight permits may be issued in accordance with FAR 21.197 and 21.199 to operate the airplane to a location where the requirements of this AD can be accomplished.

(h) The inspections, and replacement, if necessary, shall be done in accordance with the following service document:

Document No.	Pages	Revision	Date
TCM CSB No 93-13	1-3	Original	August 12, 1993

Total pages: 3.

This incorporation by reference was approved by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies may be obtained from Teledyne Continental Motors, P.O. Box 90, Mobile, AL 36601; telephone (205) 438-3411. Copies may be inspected at the FAA, New England Region, Office of the Assistant Chief Counsel, 12 New England Executive Park, Burlington, MA; or at the Office of the Federal Register, 800 North Capitol Street, NW., suite 700, Washington, DC.

- (i) This amendment becomes effective December 14, 1993, to all persons except those

persons to whom it was made immediately effective by priority letter AD 93-22-05, issued November 4, 1993, which contained the requirements of this amendment.