

Airworthine Airworthiness Directive Amendment  
39-8030; AD 91-19-03

Federal Register Information

Header Information

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

Docket No. 91-ANE-23; Amendment 39-8030; AD  
91-19-03

TELEDYNE CONTINENTAL MOTORS (TCM) Models  
IO-360, L/TSIO-360, IO-346, L/I/O-470, TSIO-470, IO-  
520, L/TSIO-520, 6-285, IO-550, and GTSIO-520  
Series Engines

Preamble Information

AGENCY: Federal Aviation Administration, DOT

DATES: Effective September 29, 1991.

Regulatory Information

91-19-03 TELEDYNE CONTINENTAL MOTORS (TCM):  
Amendment 39-8030. Docket No. 91-ANE-23.

Applicability: TCM Models IO-360, L/TSIO-360, IO-  
346, L/I/O-470, TSIO-470, IO-520, L/TSIO-520, 6-  
285,

IO-550, and GTSIO-520 series engines, which are  
installed on, but not limited to, certain Beech  
Bonanza

models C33, E33, F33, S35, V35, A36, 36, A36TC, and  
B36TC; Musketeer model A23, Baron models C55,  
D55, E55, 58, and 58TC series airplanes; and on  
certain Cessna models R172K, 180 (Serial Numbers  
(S/N)

53087 and up), 182(S/N 67042 and up), F182(S/N  
00130 and up), 185(S/N 03852 and up), 178(S/N  
03474

and up), T188(S/N 03474 and up), 206(S/N 05030  
and up), 207(S/N 05227 and up), 1907(S/N 05227  
and

up), 210 (S/N 63373-63375 and up), T210(S/N  
63373-63375 and up), F210(S/N 278 and up), T303,  
310,

320, P337, T327, 340, 401, 402, 414 series airplanes;  
and on certain Mooney Aircraft Corp. models M20K  
and M20K-252 SE series airplanes; and on certain  
Piper Pawnee model PA-36, Arrow model PA-28R-  
201T, Dakota model PA-28-201T, Malibu model PA-  
46-310P, and Seneca models PA-34-200T and PA-  
34-

220T series airplanes; certificated in any category.

Compliance: Required as indicated unless  
previously accomplished.

To prevent operation with collapsed oil filter  
elements, which can result in loss of oil pressure,  
engine

power loss or engine failure, and possible aircraft  
damage, accomplish the following prior to  
September

30, 1991:

(a) Inspect the engine oil filter and determine if the  
filter is a Champion Part No. (P/N) CH48108 or  
CH48109. If the filter is so identified, proceed to  
paragraph (b) of this AD.

(b) Inspect the engine oil filter and determine the  
date code of the filter printed on the side of the  
exterior. Remove any filter bearing any of the  
following date codes prior to further flight:

Date codes: All three-digit date codes with "9" as  
the third-digit, or date codes 2K8, 4K8, 5K8, 2K8,  
3K8,

4K8, 2L8, 1M8, 3M8, 1A0, or 1A0.  
(c) Filters identified with any of the date codes  
listed in paragraph (b) of this AD are not serviceable  
and

cannot be returned to service.

(d) Replace any removed filter with Champion filter  
P/N CH48108 or CH48109 having date codes other  
than those listed in paragraph (b) of the AD, or with  
any other FAA approved filter that is eligible for the  
applicable engines.

(e) Aircraft may be ferried in accordance with the  
provisions of FAR 21.197 and 21.199 to a base  
where  
the AD can be accomplished.

(f) Upon submission of substantiating data by an  
owner or operator through an FAA Inspector,  
(maintenance, avionics, operations, as appropriate)  
an alternate method of compliance with the  
requirements of this AD or adjustments of the  
compliance times specified in this AD may be  
approved

by the Manager, Atlanta Aircraft Certification  
Office, 1669 Phoenix Parkway, Suite 210C, Atlanta,  
Georgia 30349.

(g) All persons affected by this directive who have  
not already received the appropriate service  
information from the manufacturer may obtain  
copies upon request from Champion Aviation  
Products,  
330 Pelham Road, Suite 200, Building B, Greenville,  
South Carolina 29615 or Teledyne Continental  
Motors, P.O. Box 90, Mobile, Alabama 36601. This  
information may be examined at the FAA, New  
England Region, Engine and Propeller Directorate,  
12 New England Executive Park, Burlington,  
Massachusetts.

This amendment (39-8030, AD 91-19-03) becomes  
effective on September 29, 1991.

**Comments**

Updated RGL applicability to match AD applicability; CAR C-11-185 ss Directive Amendment 39-8565; AD 93-08-17

Federal Register Information

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DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

Docket No. 92-ANE-05; Amendment 39-8565; AD 93-08-17

TELEDYNE CONTINENTAL MOTORS (TCM) Model O-470, IO-470, IO-520, TSIO-520, and IO-550 Series Engines

Preamble Information

AGENCY: Federal Aviation Administration, DOT

DATES: Effective August 23, 1993.

Regulatory Information

93-08-17 TELEDYNE CONTINENTAL MOTORS (TCM): Amendment 39-8565. Docket 92-ANE-05.

Applicability: Teledyne Continental Motors (TCM) rebuilt and overhauled Model O-470, IO-470, IO-520,

TSIO-520, and IO-550 series engines listed by serial number in TCM Service Bulletin (SB) No. M91-10, Revision 1, dated November 27, 1991, installed on but not limited to Cessna, Piper, and Beechcraft aircraft.

Compliance: Required as indicated, unless accomplished previously.

To prevent an engine failure, accomplish the following:

(a) Within the next 50 hours time in service after the effective date of this AD, inspect engines for an incorrect oil pick-up tube in accordance with the instructions of TCM SB No. M91-10, Revision 1, dated

November 27, 1991.

(b) If an incorrect oil pick-up tube is installed, prior to further flight remove the oil pick-up tube and oil sump, and replace with serviceable parts.

(c) 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 Certification Office. The request should be forwarded through an appropriate FAA Principal Maintenance Inspector, who may

add comments and then send it to the Manager, Atlanta Certification Office.

NOTE: Information concerning the existence of approved alternative methods of compliance with this

airworthiness directive, if any, may be obtained from the Certification Office.

(d) 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.

(e) The inspection of the installation of the oil pick-up tube shall be done in accordance with the following service bulletin:

Document No. Pages Revision Date  
TCM M91-10 1-3 1 November 27, 1991

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 16 CFR part 51. Copies may be obtained from Teledyne Continental Motors, P.O. Box

90, Mobile, Alabama 36601. Copies may be inspected at the FAA, New England Region, Office of the

Assistant Chief Counsel, 12 New England Executive Park, Burlington, Massachusetts; or at the Office of the Federal Register, 800 North Capitol Street NW., suite 700, Washington, DC.

(f) This amendment becomes effective on August 23, 1993.

Not required per Model Number