

**U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION**

Airworthiness Directive

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), 188 (S/N 03474 and up), T188 (S/N 03474 and up), 206 (S/N 05030 and up), 207 (S/N 05227 and up), T207 (S/N 05227 and up), 210 (S/N 63373-63375 and up), T210 (S/N 63373-63375 and up), P210 (S/N 278 and up), T303, 310, 320, P337, T337, 340, 401, 402, 414 series airplanes; and on certain Mooney Aircraft Corp. models M20K and M20K-252TSE 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 3J8, 4J8, 1K8, 2K8, 3K8, 4K8, 2L8, 1M8, 3M8, 1A0, or 2A0

(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.