

[Print Bulletin](#)**TELEDYNE CONTINENTAL - AIRCRAFT  
ENGINE****FAA Airworthiness Directive****94-06-09****09 March 1994****Subject: TCM IGNITION SYSTEM - CAPACITOR**

Teledyne Continental Motors: Priority Letter issued on March 9, 1994.  
Docket No. 94-ANE-12.

Applicability: Teledyne Continental Motors (TCM) (formerly Bendix) magnetos new and rebuilt TCM Model SC-20, Part Number (P/N) 10-500XXX-X series: Model SC-200, P/N 10-600XXX-X series: and Model S-1200, P/N 10-349XXX-X series, magnetos with Serial Numbers (S/N) J2793XXX(R) through J3193XXX(R), K0193XXX(R) through K3093XXX(R) and L0193XXX(R) through L2293XXX(R) inclusive, with capacitor, P/N 10-349276, with date code 93-40 or 93-42. In addition, all TCM Model SC-20, P/N 10-500XXX-X series; SC-200, P/N 10-600XXX-X series; and S-1200, P/N 10-349XXX-X series, magnetos that have capacitor, P/N 10-349276, identified with date code 93-40 or 93-42, installed after October 27, 1993. Also, any TCM or Bendix magnetoregardless of serial number that was fitted after October 27, 1993, with capacitors P/N 10-349276, sold as individual replacement parts with date code 93-40 or 93-42. These magnetos are installed on but not limited to reciprocating engine powered Beech, Cessna, Maule, Mooney, Piper, and Robinson aircraft.

NOTE: The "X" represents numbers in the P/N and S/N that have no significance in determining applicability: only the first five digits are needed. The "(R)" at the end of the S/N indicates a rebuilt magneto. The absence of an "(R)" indicates a new magneto.

Compliance: Required as indicated, unless accomplished previously.

To prevent injury or death to ground personnel due to a non-grounded magneto, accomplish the following:

NOTE: WARNING: Do not move propellers by hand on engines that may contain affected capacitors until the inspection procedures required by this airworthiness directive (AD) are completed. Ground personnel should avoid the propeller arc.

- (a) Within the next 10 hours time in service after receipt of this priority letter AD, inspect affected magnetos for the presence of capacitor P/N 10-349276, in accordance with the Detailed Instructions, paragraphs 1, 1.1, and 1.2 of TCM Critical Service Bulletin (CSB) 641, dated February 1, 1994, and, if necessary, replace with a serviceable part as follows:
  - (1) If the capacitor is marked with a date code other than 93-40 or 93-42, reinstall the capacitor in the magneto and metal stamp the letter "E" in accordance with the Identification paragraph of TCM CSB641, dated February 1, 1994, to show compliance with this AD. No further action is required.

(2) If the capacitor is marked with either date code 93-40 or 93-42, replace with a serviceable capacitor of the same P/N but with a date code other than 93-40 or 93-42, and metal stamp the letter "E" in accordance with the Identification paragraph of TCM CSB641, dated February 1, 1994, to show compliance with this AD.

(b) Prior to installation, inspect uninstalled capacitor, P/N 10-349276, and replace, if necessary, with a serviceable part, in accordance with the Detailed Instruction, paragraph 2.1 of TCM CSB641, dated February 1, 1994.

NOTE: TCM Critical Service Bulletin CSB94-1 dated February 1, 1994, and Lycoming Service Bulletin 517 dated February 25, 1994, refers to this subject.

(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 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.

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

(e) Copies of the applicable service information may be obtained from Teledyne Continental Motors, P.O. Box 90, Mobile, AL 36601; telephone (205) 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.

(f) Priority Letter AD 94-06-09, issued March 9, 1994, becomes effective upon receipt.

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