AD/ELECT/63 TCM (Bendix) Magneto Capacitor 9/94 Amdt 1

Applicability:

1. Teledyne Continental Motors (TCM) Ignition Systems (formerly Bendix) new or rebuilt magnetos Models SC-20, SC-200 and S-1200 (Part Number Series 10-500XXX-X, 10-600XXX-X and 10-349XXX-X respectively) with Manufacturing (Serial) Numbers J2793XXX(R) through J3193XXX(R), K0193XXX(R) through K3093XXX(R) and L0193XXX(R) through L2293XXX(R) inclusive.

2. All TCM or Bendix Model SC-20, SC-200 and S1200 magnetos, regardless of Manufacturing (Serial) Number, that have been fitted with a replacement capacitor Part Number 10-349276 subsequent to 27 October 1993.

Note: The `X" in the part and serial numbers represents numbers that have no significance in determining applicability, only the first five digits are needed. The "(R)" at the end of the manufacturing (serial) number indicates a "rebuilt" magneto, while the absence of the "(R)" indicates a "new" magneto.

Requirement: Action in accordance with Teledyne Continental Ignition Systems Critical Service Bulletin CSB641 dated 1 February 1994.

Note: FAA Priority letter AD 94-06-09 refers.

Compliance: The compliance for the original issue of this Directive was within ten hours time in service after 25 March 1994. The compliance for this amendment is unless previously accomplished in accordance with the original issue of this Directive then within 50 hours time in service from 18 August 1994.

Background: TCM Ignition Systems have advised that quality assurance testing has revealed the potential for capacitors Part Number 10-349276 to have an intermittent open circuit condition. This condition is isolated to two batch lots (93-40 and 93-42) and is readily identifiable by inspection of the capacitor. If not corrected, the condition could result in a `Hot Magneto" (ie the magneto is not grounded when the magneto/ignition switch is placed in the off position).

The inspection mandated by this Directive is designed to correct this situation. This amendment is issued to correct the serial number range of the new or rebuilt magnetos that may be affected.

Note: TCM Ignition Systems Service Information Letter SIL642 provides an explanation of manufacturing or serial numbering system used on TCM Ignition System products.