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Sektion 2. Utlandstillverkad flygmateriel

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**TITEL:** Byte av spole och roterande magneter

**GÄLLER:** TCM (Bendix) magneter i serierna S-20, S-200 och S-600 samt S-1200 med identifiering och S/N angivna i bifogad kopia av FAA AD 94-01-03 R2, installerade i kolvmotorer för, men ej begränsade till Beech, Cessna, Maule, Mooney och Piper.

**ÅTGÄRD:** Utför åtgärder angivna i TCM MSB nr MSB644 daterad 4 april 1994 eller senare utgåva.

**TID FÖR ÅTGÄRD:** Inom 100 flygtimmar.

**UNDERLAG:** FAA AD 94-01-03 R2  
TCM MSB nr MSB644 daterad 4 april 1994 eller senare utgåva.

**REFERENS:** FAA AD 94-01-03 R2 (kopia bifogad)

**UTGIVNINGS-DATUM:** 1995-07-20

**LFS: 1995:41**

Åtgärd enligt LVD utgör nödvändig förutsättning för ifrågavarande flygmateriels luftvärdighet. Referens BCL M 1.11. Anteckning om åtgärd, som vidtagits i enlighet med LVD, skall införas i teknisk journal för berörd flygmateriel med hänvisning till ifrågavarande LVD-nummer. Angivet underlag refererar till senaste gällande revision/utgåva. LVD utges i luftfartsverkets författningssamlingar LFS.

**REVISED AIRWORTHINESS DIRECTIVE**

REGULATORY SUPPORT DIVISION  
P.O. BOX 26460  
OKLAHOMA CITY, OKLAHOMA 73125-0460

U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

The following Airworthiness Directive issued by the Federal Aviation Administration in accordance with the provisions of Federal Aviation Regulations, Part 39, applies to an aircraft model of which our records indicate you may be the registered owner. Airworthiness Directives affect aviation safety and are regulations which require immediate attention. You are cautioned that no person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of the Airworthiness Directive (reference FAR Subpart 39.3).

**Revision issued June 1995.**

**94-01-03 R2 Teledyne Continental Motors:** Amendment 39-9271. Docket 93-ANE-44. Revises AD 94-01-03 R1, Amendment 39-9006.

Applicability: Teledyne Continental Motors (TCM), formerly Bendix magnetos:

S-20, S-200, and S-600 series magnetos with red or black Bendix (not TCM) data plates having serial numbers (S/N's): lower than 2000000 without any letter prefix; or S/N's lower than A16058 having the letter "A" prefix.

S-20, S-200, and S-600 series magnetos with blue Bendix (not TCM) data plates marked "REMANUFACTURED" having S/N's lower than 901001.

S-1200 series magnetos with red Bendix (not TCM) data plates having S/N's: lower than 2000000 without any letter prefix; or S/N's lower than A132844 having the letter "A" prefix.

S-1200 series magnetos with blue Bendix (not TCM) data plates marked "REMANUFACTURED" having S/N's lower than 901001.

These magnetos are installed on but not limited to reciprocating engine powered aircraft manufactured by Beech, Cessna, Maule, Mooney, and Piper.

NOTE 1: The FAA has received reports of some confusion as to what is meant by S-20, S-200, S-600, and S-1200 series magnetos as referenced in TCM Mandatory Service Bulletin (MSB) No. MSB644, dated April 4, 1994, and this AD. A typical example is S6RN-25, where the S designates single type ignition unit, the 6 designates the number of engine cylinders, the R designates right hand rotation, the N is the manufacturer designator (this did not change when TCM purchased the Bendix magneto product line), and the number after the dash indicates the series (a -25 is a S-20 series magneto, while a -1225 is a S-1200 series magneto).

NOTE 2: This AD applies to each magneto identified in the preceding applicability provision, regardless of whether it has been modified, altered, or repaired in the area subject to the requirements of this AD. For magnetos that have been modified, altered, or repaired so that the performance of the requirements of this AD is affected, the owner/operator must use the authority provided in paragraph (k) to request approval from the FAA. This approval may address either no action, if the current configuration eliminates the unsafe condition, or different actions necessary to address the unsafe condition described in this AD. Such a request should include an assessment of the effect of the changed configuration on the unsafe condition addressed by this AD. In no case does the presence of any modification, alteration, or repair remove any magneto from the applicability of this AD.

Compliance: Required as indicated, unless accomplished previously.

To prevent magneto failure and subsequent engine failure, accomplish the following:

- (a) No action is required for those magnetos in compliance with AD 94-01-03 or 94-01-03 R1.
- (b) An optional method of compliance with this AD is to replace the Bendix magnetos with Slick magnetos where FAA approval has been granted for that application.
- (c) If a Bendix magneto data plate has been replaced with an overhaul facility's data plate, this AD is still applicable to that magneto since the magneto is a Bendix magneto.
- (d) Yellow Bendix or TCM service spare data plates may have been installed during a field overhaul; use model and S/N to determine applicability.
- (e) Magnetos built by Bendix in Jacksonville, Florida, and Magnetos built by TCM in Atlanta, Georgia, as indicated on the data plate, are not affected by this AD.
- (f) The paint on some early data plates may have been obliterated and the data plate will appear silver in color; use model and serial number to determine applicability.
- (g) For Bendix S-20 and S-200 series magnetos, replace Bendix ignition coils and rotating magnets identified in the Detailed Instructions of TCM MSB No. MSB644, dated April 4, 1994, with serviceable TCM or Parts Manufacturer Approval (PMA) ignition coils and rotating magnets at the next 100 hour inspection, the next annual inspection, the next progressive inspection, or the next 100 hours time in service (TIS) after the effective date of this AD, whichever occurs first.

(h) For the Bendix S-600 series magnetos, replace Bendix rotating magnets identified in the Detailed Instructions of TCM MSB No. MSB644, dated April 4, 1994, with serviceable TCM or PMA rotating magnets at the next 100 hour inspection, the next annual inspection, the next progressive inspection, or the next 100 hours TIS after the effective date of this AD, whichever occurs first.

NOTE: The ignition coils on the S-600 series magnetos already incorporate the improved design.

(i) For the Bendix S-1200 series magneto, replace Bendix ignition coils identified in the Detailed Instructions of TCM MSB No. MSB644, dated April 4, 1994, with serviceable TCM or PMA ignition coils at the next 100 hour inspection, the next annual inspection, the next progressive inspection, or the next 100 hours TIS after the effective date of this AD, whichever occurs first.

NOTE: The rotating magnets on the S-1200 series magnetos already incorporate the improved design.

(j) After compliance with paragraphs (d), (e), or (f) of this AD, as applicable, and prior to further flight, mark the magneto in accordance with the Identification Instructions of TCM SB No. MSB644, dated April 4, 1994.

(k) An alternative method of compliance or adjustment of the initial 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 AD, if any, may be obtained from the Atlanta Aircraft Certification Office.

(l) Special flight permits may be issued in accordance with sections 21.197 and 21.199 of the Federal Aviation Regulations (14 CFR 21.197 and 21.199) to operate the aircraft to a location where the requirements of this AD can be accomplished.

(m) The actions required by this AD shall be done in accordance with the following service document:

Document No.	Pages	Date
TCM SB No. MSB644	1-3	April 4, 1994
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 as of September 6, 1994. 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.

(n) This amendment becomes effective on June 28, 1995.

**FOR FURTHER INFORMATION CONTACT:**

Jerry Robinette, Aerospace Engineer, Atlanta Aircraft Certification Office, FAA, Small Airplane Directorate, Campus Building, 1701 Columbia Ave., Suite S-160, College Park, GA 30337-2748; telephone (404) 305-7371; fax (404) 305-7348.