PRESSURIZATION OF BENDIX AND SLICK MAGNETOS ON TELEDYNE CONTINENTAL MOTORS TSIO360GB ENGINES AS INSTALLED ON THE MOONEY M20K PER TELEDYNE CONTINENTAL MOTORS SERVICE BULLETIN M81-26

MODELS/ SERIAL NUMBERS AFFECTED:
TELEDYNE CONTINENTAL MOTORS TSIO360GB ENGINES AS INSTALLED ON THE FOLLOWING AIRPLANES:

Mooney M20K, S/N 25-0001 thru 25-0526 except
25-0003 (Bendix Magneto)
S/N 25-0003, 25-0527 thru 25-0612
(Slick Magneto)

TIME OF COMPLIANCE:
At owner discretion.

INTRODUCTION:
Pressurization of the magnetos on TCM TSIO-360GB series engines will improve high altitude performance and reduce the frequency of maintenance on the ignition system of aircraft flown frequently at high altitudes.

There will be an allowance of 1.2 hours labor for -1 kit and 2.5 hours labor for -2 kit and all parts. This allowance is good thru July 31, 1982.

There are two kits, one for the Bendix Magneto modification and one for the Slick Magneto modification. (See P/N's below). These kits will include the applicable Bendix or Slick components plus the required items for modification of the baffle assembly part no. 600380-57 to route the tubes and hoses from engine throttle body to the magneto housing.

NOTE: Unless previously complied with the fuel flow indicating systems on S/N 25-0001 thru 25-0171 must incorporate Mooney S.I. M20-49 prior to modification to pressurized magnetos.

INSTRUCTIONS:
Drill hole in 600380-57 baffle assy per the dimensions shown in Figure 1 and install MS35489-7 grommet in the hole. Route the tube or hose for either the Bendix or Slick retrofit modification through this hole and proceed with the instructions given in the applicable kit to complete the modification.

REFERENCE DATA:
1) TCM Kit Instructions No. EQ 6565 (Bendix Magneto)
2) Bendix S.B. No. 612
3) TCM Kit Instructions No. EQ 6569 (Slick Magneto)
4) TCM S.B. M81-26
**PARTS LIST:**

**Kit P/N M20-58-001**

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<th>DESCRIPTION</th>
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<tr>
<td>1) 1</td>
<td>EQ6565</td>
<td>TCM/Bendix Basic Kit</td>
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<tr>
<td>2) 1</td>
<td>MS35489-7</td>
<td>Grommet</td>
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**Kit P/N M20-58-002**

<table>
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<th>QUANTITY</th>
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<tr>
<td>1) 1</td>
<td>EQ 6569</td>
<td>TCM/Slick Basic Kit</td>
</tr>
<tr>
<td>2) 1</td>
<td>MS35489-7</td>
<td>Grommet</td>
</tr>
</tbody>
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**FIGURES/TABLES:**

- Drill .165-.776 dia. hole
- Add MS35489-7, Grommet
- 600380-57 Baffle Assy
- View looking fwd. (L.H. rear baffle)
- FIG. 1
4 December, 1981

TO: Aircraft Manufacturers, Distributors, Dealers, Engine Overhaul Facilities, Owners and Operators of Teledyne Continental Motors' Aircraft Engines.

SUBJECT: PRESSURIZATION OF MAGNETOS IN MOONEY M20K AIRCRAFT

MODELS AFFECTED: TSIO-360GB Spec. 1 & 3 Engines.

Gentlemen:

For improved altitude performance, we recommend that owners of TSIO-360GB engines equipped with Bendix S6RN-20 magnetos install the pressurization kit EQ6585 in accordance with Figure 1.

Bendix Service Bulletin 612 should also be complied with at this time.

Installations with Slick Magnetos can be pressurized using kit EQ 6589 in accordance with Figure 2. Reset timing in accordance with instructions in Overhaul Manual form X30030A.

Reference Mooney Service Instruction M20-58 for airframe installation information.

Pressurization kits EQ6585 and EQ6589 are available only through the Mooney distributor organization.
DATE: JANUARY 8, 1982
TO: MOONEY M20K OWNERS
FROM: CUSTOMER SERVICE
SUBJECT: SERVICE PROGRAM FOR MAGNETO PRESSURIZATION

Pressurization of the magnetos on Teledyne Continental Motors TSO-360GB series engines will improve high altitude performance and reduce the frequency of maintenance on the ignition system of aircraft flown frequently at high altitudes.

The modification per attached SI M20-58 is available through July 31, 1982, at no cost as indicated.

Contact your nearest Mooney Marketing or Service Center to schedule your aircraft for this modification. It is recommended that this work be done during routine scheduled maintenance.

NOTE: KITS MAY ONLY BE ORDERED BY MOONEY MARKETING OR SERVICE CENTERS.

1. A Shop Work Order will be used as the program claim form. This Work Order MUST:

(a) Not list any other work.
(b) Show Mooney Aircraft Corporation as the customer at the top of the work order.
(c) Contain Aircraft and Engine Serial Number.
(d) Have aircraft owner fill in name and address under "work performed" section and sign at the bottom.

NOTE: REMOVED SLICK MAGNETOS MUST BE RETURNED TO RECEIVE CREDIT FOR EQ6569 KITS.

Ed Penney
Customer Service Manager

Attachment: SI M20-58