



NUMBER: S.I. M20-58

DATE: 1-4-82

SUBJECT: 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 Magnetos)
S/N 25-0003, 25-0527 thru 25-0612
(Slick Magnetos)

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 appli-
cable 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

	<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
1)	1	EQ6565	TCM/Bendix Basic Kit
2)	1	MS35489-7	Grommet

Kit P/N M20-58-002

	<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
1)	1	EQ 6569	TCM/Slick Basic Kit
2)	1	MS35489-7	Grommet

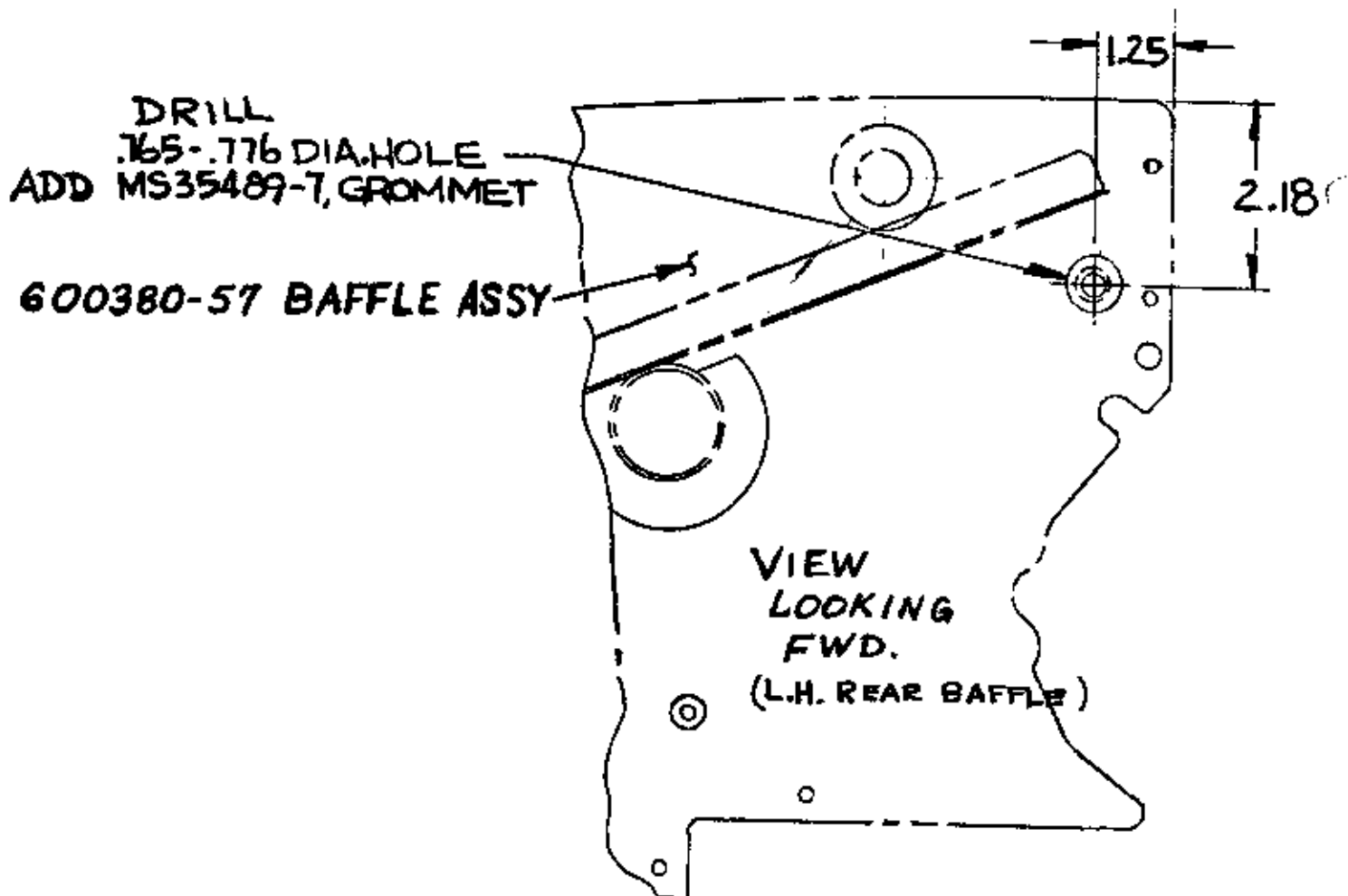
FIGURES/
TABLES:

FIG. 1

service bulletin

M81-26

Technical Portions are
FAA-DER Approved

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 EQ6565 in accordance with Figure 1.

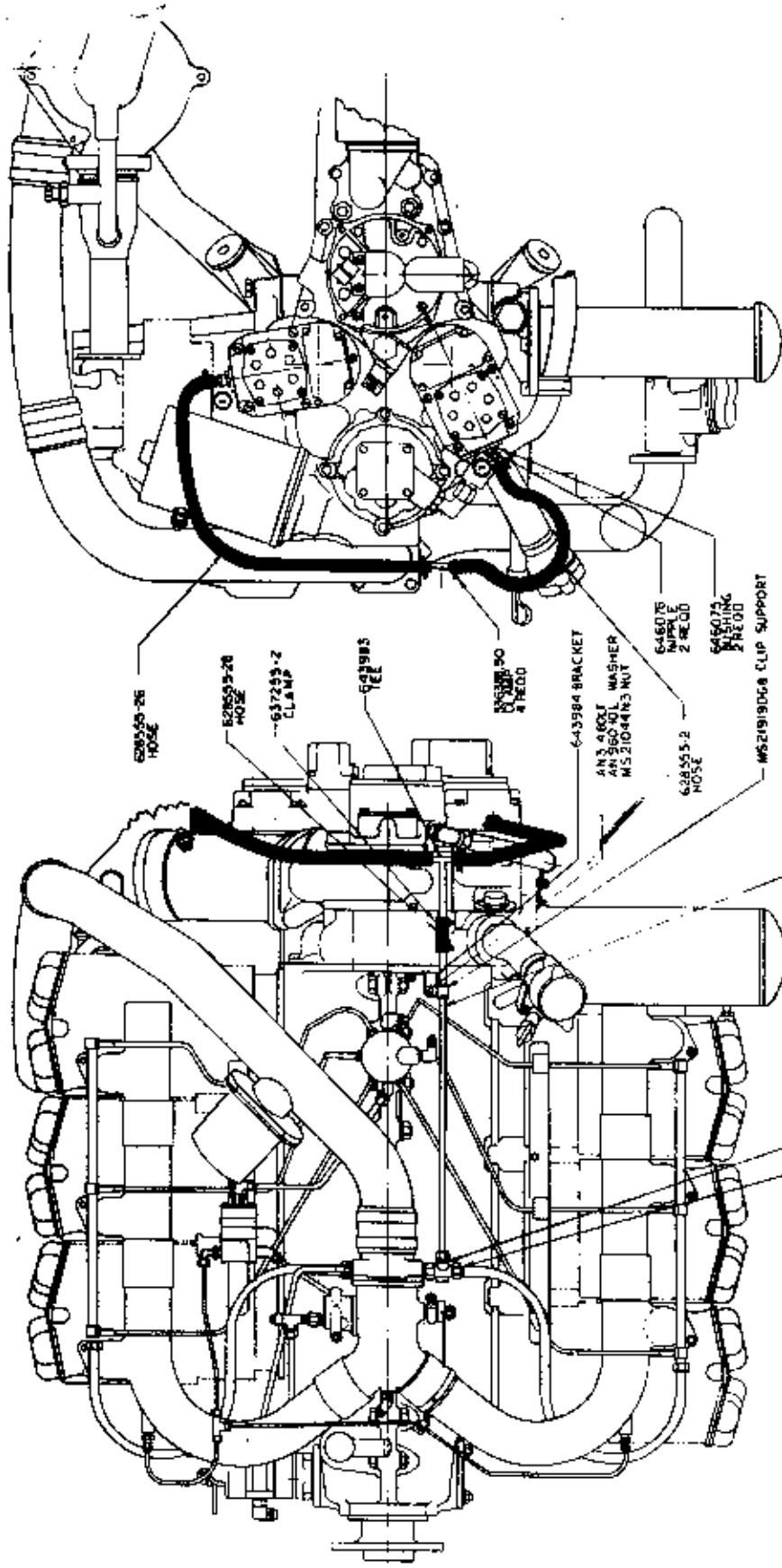
Bendix Service Bulletin 612 should also be complied with at this time.

Installations with Slick Magnetos can be pressurized using kit EQ 6569 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 EQ6565 and EQ6569 are available only through the Mooney distributor organization.

Bundy Mags



NOTE: ① PLUG BREAKER VENT HOLES FROM INSIDE OF COVER WITH RTV, TWO HOLES PER MAG

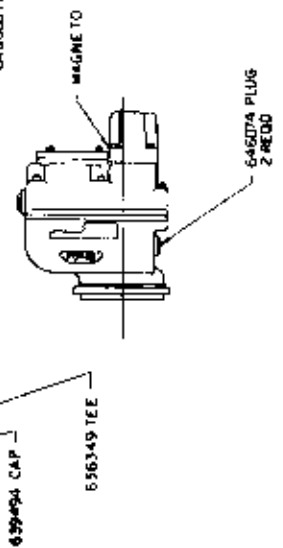


FIGURE 1

Slick Mags

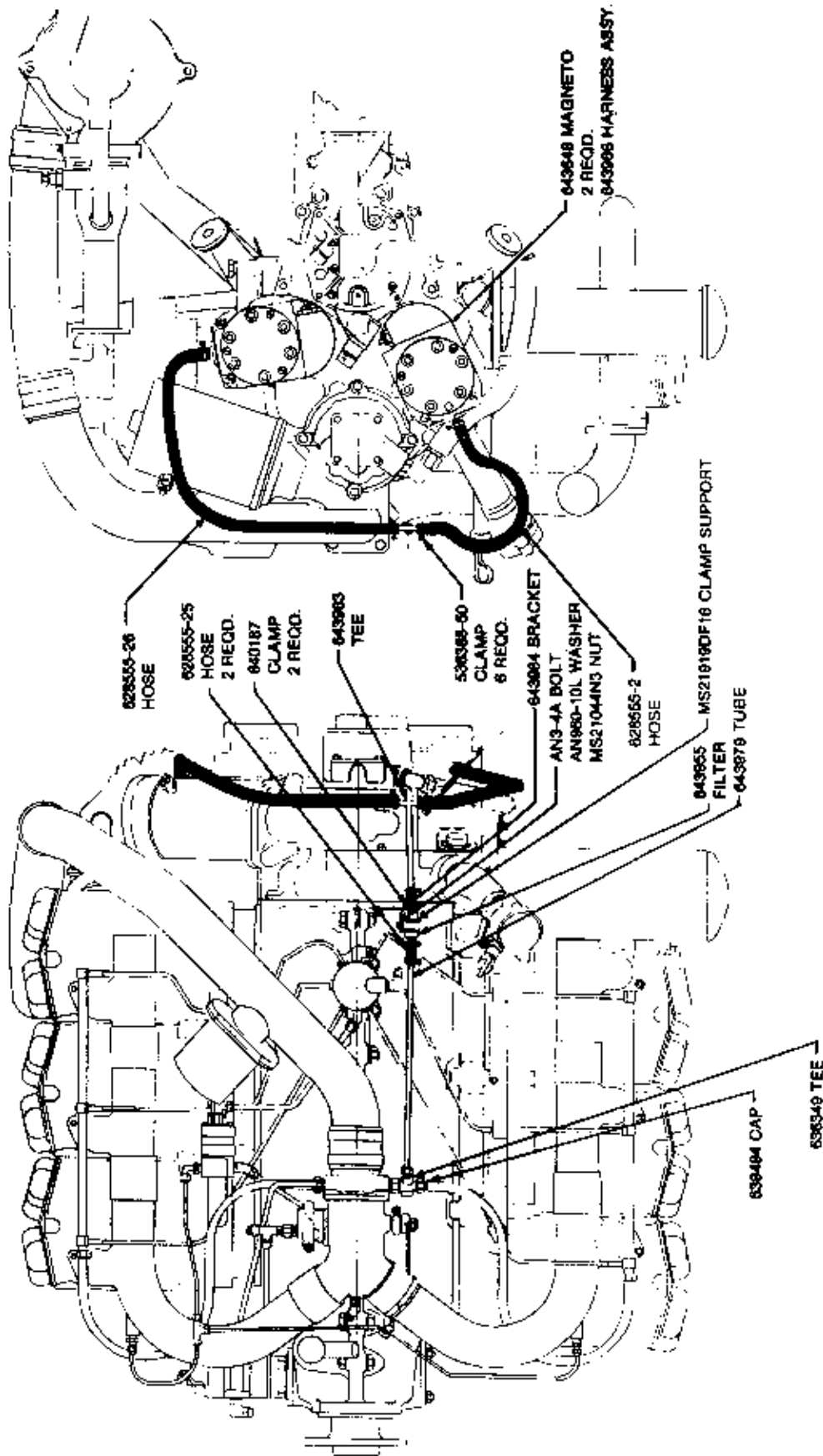


FIGURE 2

MOONEY AIRCRAFT CORPORATION

P. O. BOX 72, KERRVILLE, TEXAS 78028 - PHONE (512) 896-6000
A SUBSIDIARY OF REPUBLIC STEEL CORPORATION
TWX 810-677-1690

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 TS10-360GB 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