76-102

FEDERAL AVIATION AGENCY

SUPPLEMENTAL TYPE CERTIFICATE

FORM APPROVED, BUDGET BUREAU NO. 04–R015

INSTRUCTIONS – SUBMIT IN TRIPLICATE TO LOCAL FAA FLIGHT STANDARDS INSPECTOR.

COPY WILL BE RETURNED TO APPLICANT UPON ISSUANCE

1. NAME AND ADDRESS OF APPLICANT

Aero-Spec
240 North Dale
Fullerton, California

2. SUPPLEMENTAL TYPE CERTIFICATE APPLIED FOR:

[X] AIRCRAFT [ ] ENGINE [ ] PROPELLER

ORIGINAL MODEL DESIGNATION
MOONEY M-18C

NEW MODEL DESIGNATION *(If desired)*
None

3. DESCRIPTION OF CHANGE

Installation of Continental A75-8 engine (Limited to 65 HP) and McCauley 1B90-CM/6753 propeller. Aero-Spec FAA Approved Airplane Flight Manual Supplement dated August 23, 1965 required with this installation.

LIMITATION OF APPLICABILITY. This approval should not be extended to other specific airplanes of this model on which other previously approved modifications are incorporated unless it is determined that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse effect upon the airworthiness of that airplane.

No further installation data required.

Certification Basis: CAR-3.

4a. WILL DATA BE AVAILABLE FOR SALE OR RELEASE TO OTHER PERSONS? [X] YES [ ] NO

b. WILL PARTS BE MANUFACTURED FOR SALE *(Ref. CAR 1.55)*? [ ] YES [X] NO

5. SIGNATURE AND TITLE OF APPLICANT

SIGNATURE

DATE OF APPLICATION

TITLE

6. To be Completed by FAA

NATURE AND LOCATION OF DATA

ORIGINAL TYPE CERTIFICATE NO.
803

SUPPLEMENTAL TYPE CERTIFICATE NO.
SA1044WE

DATE OF APPROVAL
August 23, 1965

FAA APPROVAL

ORIGINAL SIGNED BY CHARLES R. HAWKS

Charles R. Hawks, SIGNATURE

Chief, Aircraft Engineering Division
TITLE

FEDERAL AVIATION AGENCY

APPLICATION FOR TYPE CERTIFICATE, PRODUCTION CERTIFICATE, OR SUPPLEMENTAL TYPE CERTIFICATE

FORM APPROVED
BUDGET BUREAU NO. 04–R078.1

1. NAME AND ADDRESS OF APPLICANT

Aero- Spec.
240 No. Dale
Fullerton, Calif.

2. APPLICATION MADE FOR:

	TYPE CERTIFICATE
	PRODUCTION CERTIFICATE
X	SUPPLEMENTAL T. C.

3. PRODUCT INVOLVED

X	AIRCRAFT
	ENGIN E
	PROPELLER

4. COMPLETE THE FOLLOWING FOR TYPE CERTIFICATE

A. MODEL DESIGNATION(S)

Mooney M 18-C

(All models listed are to be completely described in the required technical data, including drawings, representing the design, material, specifications, construction, and performance of the Aircraft, Aircraft Engine, Propeller which is the subject of this application.)

5. COMPLETE THE FOLLOWING FOR PRODUCTION CERTIFICATE *(With this form submit, in manual form, one copy of quality control data or changes thereto covering new products, as required by applicable FAR.)*

A. FACTORY ADDRESS *(If different from 1 above)*

B. APPLICATION IS FOR: ☐ NEW P.C. ☐ ADDITIONS TO P.C. NO. _____

C. APPLICANT IS HOLDER OF OR A LICENSEE UNDER T. C. OR S.T.C. NO. _____ *(attach evidence of licensing agreement)*

6. COMPLETE THE FOLLOWING FOR SUPPLEMENTAL TYPE CERTIFICATE

A. MAKE AND MODEL DESIGNATION OF PRODUCT TO BE MODIFIED

Mooney M 18- C

B. DESCRIPTION OF MODIFICATION

Engine Changed from A65-8 to A75-8, McCauley 1B90-Cm/6753 Propeller installed.

C. WILL DATA BE AVAILABLE FOR SALE OR RELEASE TO OTHER PERSONS?

☒ YES ☐ NO

D. WILL PARTS BE MANUFACTURED FOR SALE? *(Ref. FAR 21.303)*

☐ YES ☒ NO

CERTIFICATION

I CERTIFY THAT THE ABOVE STATEMENTS ARE TRUE

Duane D Davis
SIGNATURE OF CERTIFYING OFFICIAL

9/8/65
DATE

owner
TITLE

FAA Form 312 (5-65) OBSOLETE PREV. EDITION. REPLACES FAA FORMS 332 AND 2417, WHICH ARE OBSOLETE. (8110)

AERO-SPEC

FAA APPROVED AIRPLANE FLIGHT MANUAL SUPPLEMENT

TO

MOONEY M-18C AIRPLANE FLIGHT MANUAL

The information in this document is FAA Approved material which, together with the Basic Mooney M-18C AFM, is applicable and must be carried in the Basic Manual when the airplane is modified by the installation of a Continental A75-8 engine and McCauley 1B90-CM/6753 propeller in accordance with Supplemental Type Certificate SA1044WE.

The information in this document supersedes the Basic Manual only where covered in the items contained in this Supplement. For Limitations and Procedures, not contained in this Supplement, consult the manual proper.

1. LIMITATIONS

ENGINE:	Continental A75-8
ENGINE LIMITS:	For all operations: 2300 RPM. (65 H.P.)
FUEL:	80/87 Octane Minimum Aviation Gasoline
PROPELLER:	McCauley 1B90-CM/6753 Diameter: Maximum - 67 inches Minimum - 66 inches Static RPM: Maximum - 2050 RPM. Minimum - 1950 RPM.
ENGINE INSTRUMENTS:	Tachometer: 2300 RPM. (Red Line)

2. PROCEDURES

No change.

3. PERFORMANCE

Performance with the above engine and propeller combination is equal to or better than that previously demonstrated for Mooney M-18C airplane equipped with Continental A65-8 engine.

FAA Approved: Charles R. Hawks

Charles R. Hawks, WE-100
Chief, Aircraft Engineering Division,
Western Region, Federal Aviation Agency

Date: August 23, 1965