

708-102

FEDERAL AVIATION AGENCY

FORM APPROVED, BUDGET BUREAU NO. 04-R015

SUPPLEMENTAL TYPE CERTIFICATE

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:

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.

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

YES NO

b. WILL PARTS BE MANUFACTURED FOR SALE (Ref. CAR 1.55)?

YES 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

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:		3. PRODUCT INVOLVED	
	<input type="checkbox"/>	TYPE CERTIFICATE	<input checked="" type="checkbox"/>	AIRCRAFT
	<input type="checkbox"/>	PRODUCTION CERTIFICATE	<input type="checkbox"/>	ENGINE
	<input checked="" type="checkbox"/>	SUPPLEMENTAL T. C.	<input type="checkbox"/>	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

✓ Quane D. Davis
SIGNATURE OF CERTIFYING OFFICIAL

✓ owner
TITLE

9/8/65

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