


Maule Aircraft Corporation

6780 BROOKLYN ROAD

JACKSON, MICHIGAN - 49201

PHONE KE 6-8642
AREA CODE 517

November 18, 1964

Service Letter No. 6
Model Effected M-4-210
Serial Number Effected 1001 thru 1005

Dear Customer:

We have made some changes to our Model M-4-210 fuel system so as to remove the two (2) placards at the left lower side of the instrument panel. They read as follows:

"Use fuel in left tank down to one-half before using right tank."

and

"Intentional sideslips and skids prohibited."

Also, the propeller was found to over rev with the governor in operative.

Please find enclosed, installation data and materials for these changes.

Also, please return enclosed card showing all work has been completed.

Very truly yours,

MAULE AIRCRAFT CORPORATION

Daniel Yother
Project Engineer

DLY/jh

Enclosure

MAULE AIRCRAFT CORPORATION MAULE M-4-210NOVEMBER 18, 1964Fuel System Changes

Material List:

	<u>ITEM</u>	<u>REQ'D</u>
1.	Tank	1
2.	Tank Mount	1
3.	Clamps used to attach mount to frame (Aero-Seal M12)	4
4.	Tank Clamp	1
5.	Steel fire wall fitting 1/4 inch	1
6.	Steel fire wall fitting 3/8 inch	1
7.	New Valve	1
8.	New valve control and placard	1
9.	Three (3) ft. of 1/4 aluminum tube	1
10.	Three (3) ft. of 3/8 aluminum tube	1
11.	Fittings needed:	
	Nut AN818-6D	4
	Sleeve AN819-6D	4
	Nut AN818-4D	3
	Sleeve AN819-4D	3
	Elbow 45° AN823-6D	2
	Elbow 90° AN914-2D	1
	Nipple 1/8 pipe	1
	Elbow 90° AN822-4D	1
	Union AN815-4D	1
	Cover for hole on fire wall	1
12.	Valve control clamp	1
13.	Valve "no off" stop	1
14.	Fuel pump drain kit	1
15.	Drawing PA-F430-A (5129F)	1

INSTALLATION OF FUEL TANK

Procedures:

1. Remove left side panel at fuel valve.
2. Remove all lines and fittings from valve to fire wall.
3. Drill hole for top fire wall fitting 7/16 diameter, three (3) inches down and 2 1/2 inches out board of top engine mount bolt.
4. Install steel fire wall fittings.
5. Install fire cover over old fire wall fitting hole.
6. Install tank mount to out side of fuselage tube using the four (4) Aero-seal hose clamps.
7. Assemble the tank, valve and fitting as per drawing number PA-F430-A.
8. Install tank in mounting using mounting clamp.
9. Install fuel lines, etc.
10. Install valve control and control placard.
11. Check for fuel leaks.
12. Check operation of new valve.
13. Locate valve stop on side panel and install.
14. Re-install side panel.
15. Put new Flight Manual in aircraft in place of old.

SERVICE LETTER #6

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PROPELLER

PROCEDURES:

1. Remove spinner.
2. Remove propeller front cover or cylinder by hand - jiggle slightly from side to side while pulling. Watch out for oil when cylinder finally comes off. The high pitch stop may come off at this time. The gasket should remain adhered to the face of the hub.
3. Using two (2) blade wrenches to move blades uniformly toward high pitch, which will move the piston toward the hub and release spring load on the low pitch stop.
4. Hold blades off low pitch stop and remove snap ring with snap ring pliers. Install low pitch washer in front of other stop washer and re-install snap ring.
5. Re-assemble propeller and spinner.
6. Check static RPM for maximum of 2800 if this is high adjust governor.
7. Use McCauley Service Manual Number 620215 as a reference if needed.

MAULE AEROSPACE TECHNOLOGY, INC.

SERVICE LETTER #6 - COMPLIANCE RECORD

Airplane Serial Number _____

Airplane Registration Number _____

The following action was taken with respect to this service letter:

Service letter #6 completed

Certified by _____

(Signature)

(Printed Name)

Title _____

(Owner, A&P), IA, etc.)

In an effort to keep our mailing list current for sending Service Letters, Service Bulletins, etc., please fill in the following:

Owner's name _____

Owner's address _____

Mail this Compliance Record to: Maule Aerospace Technology, Inc.
Engineering Records
2099 GA Hwy. 133 S.
Moultrie, GA 31788