

FAA: 2/16/96  
Date: 2/16/96  
Rev. A: JUN 14 2005

## Service Bulletin No. 15

Page 1 of 2  
Date: 02/13/96  
Rev. A: 6/7/05

**SUBJECT:** -160/-180 Fuel Pressure Gage Hose Installation

**AIRPLANES AFFECTED:** Maules with Lycoming O-360-C1F, O-360-C4F and O-320-B2D engines, which include Models M-5-180C, M-6-180, MX-7-160, MX-7-160C, MX-7-180, MX-7-180A, MX-7-180AC, MX-7-180B, MX-7-180C, MXT-7-160, MXT-7-180, MXT-7-180A manufactured before 10/03.

**COMPLIANCE:** Mandatory

**AUTHORITY:** The technical contents of this Service Letter have been approved by the FAA.

**BACKGROUND:** The original service bulletin stated that there was a possibility that the original 1/8" copper tubing from the fuel pressure gage to the carburetor may in time crack at the connection to carburetor due to its rigid attachment to firewall and to a vibrating engine. A flexible hose installation was suggested as a more suitable installation and would prevent a possible fuel leak into the engine compartment. The flexible hose the copper tubing was changed to in the original service bulletin, has been found cracked on two reported cases possibly due to dry rot or weather checking situation. One line leaked fuel into the engine compartment. This service bulletin provides for an alternate, more durable, heavy-duty cloth-bound hose installation. Also, an elbow fitting will be used to provide a loser radius at connection to carburetor port.

### ACTION TO BE TAKEN AND MATERIAL REQUIRED:

- 1) Procure SERVICE BULLETIN #15 Fuel Pressure Line Replacement Kit from Maule Air. This service kit consists of the following parts: (Lycoming reducer and restrictor fitting, supplied with engine)

Quan.	P/N	Item	Item#
1 ea.	6103E-5	Hose Assembly (Aeroquip Or Equiv.)	(5)
1 ea.	AN914-2D	Elbow	(9)
1 ea.	6103E, Rev. A	Maule Drawing	

If original SB#15 was not complied with, the following will also be required:

2 ea.	AN530-10R6	Screw, Self Tapping	(7)
2 ea.	MS21919DG6	Clamp, Cushioned	(6)
1 ea.	AN816-3D	Nipple	(4)
1 ea.	AN910-1D	Coupling	(3)
2 ea.	B-200-1-2	Fitting, Comb. (Swageloc)	(1)



- 2) Turn off fuel tank selector valve. Remove top and bottom engine cowling.
- 3) Remove existing 1/8" copper tubing or non-cloth-bound flexible hose and fittings from carburetor. If replacing copper tubing, use new hose assembly to measure to determine the length of tubing to be removed, insuring that sufficient tubing remains for proper hose connection (reference drawing 6103E). Cut and discard tubing not needed and install the Swageloc fitting to copper tubing end.
- 4) Install items in this order from carburetor: elbow, Lycoming reducer, (supplied), Lycoming restrictor fitting, (supplied), cloth-bound hose assembly, nipple, coupling and Swageloc fitting on copper tubing.
- 5) Run engine and check for leaks. Reinstall engine cowling.

**DOCUMENTATION:** Return of the Compliance Record is requested, if completed.





Page 2 of 2  
Rev. A: 6/7/05

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### **COMPLIANCE RECORD SHEET**

Aircraft Model \_\_\_\_\_

Aircraft Serial No. \_\_\_\_\_

Action taken (PLEASE CHECK):

- ( ) Complied with this Maule Service Bulletin No. 15, Revision A
- ( ) Inspected hose and no cracks were found. Hose was replaced with cloth-bound hose and elbow fitting was added at carburetor port.
  - ( ) Inspected hose and it was found to be cracked. Hose was replaced with cloth-bound hose and elbow fitting was added at carburetor port.
  - ( ) Original 1/8" tubing has been replaced with cloth-bound hose and elbow fitting was added at carburetor port.

Total Time on airplane \_\_\_\_\_ Hours

Owner's Name \_\_\_\_\_

Owner's Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Certified by \_\_\_\_\_ Title \_\_\_\_\_  
Signature Owner, A & P. IA. Etc.

Date performed \_\_\_\_\_

If you no longer own this airplane, please fill in new owner's information and return to factory address below:

New Owner's Name \_\_\_\_\_

New Owner's Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Please mail this completed Compliance Record Sheet to: Maule Aerospace Technology, Inc.  
Attention: Virginia Davis,  
Engineering Records  
2099 Georgia Highway 133 South  
Moultrie, GA 31788 USA

Or Email to: [Virginia@mauleairinc.com](mailto:Virginia@mauleairinc.com)  
Or Fax to: 229-985-2048

Tuesday, July 12, 2005 (2).max

Friday, April 07, 2006 (2).max