



## MANDATORY

FAA: *C. Leary*  
Date: MAY 24 2004

# Service Bulletin No. 23

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Date: 5/20/04

**SUBJECT:** Tailpipe Clamp No. 5072B

**AIRPLANES AFFECTED:** Maule Models **M-4-210** all with dual exhaust,  
**M-4-220** all  
**M-4-180** all  
**M-5** all except **M-5-210** with single exhaust and M-5-200  
**M-6** all  
**MX-7** all except MX-7-420  
**M-7** all except M-7-420  
**M-8** all  
**MXT-7** all  
**MT-7** all

**STATUS:** This Service Bulletin is cautionary regarding possible separation of the exhaust tailpipe from the muffler. Concerns are overheating of firewall components and fire.

**BACKGROUND:** This Service Bulletin is prompted by a report from the NTSB of an occurrence of exhaust pipe separation in flight. It is thought that the resultant loss of power and forced landing was caused by fuel vapor lock due to extreme heat at the firewall. There was no fire.

**COMPLIANCE:** Initial compliance with this Service Bulletin is recommended within the next 10 hours of flight if total time is 50 hours or greater.

### **ACTION TO BE TAKEN AND PROCEDURES FOR INSTALLATION**

1. Remove cowl.
2. Remove Part No.5072B Tailpipe Clamps at rear of muffler. Inspect the ¼ inch diameter pin in the clamp for wear and erosion.
3. Replace the clamp if there is visible or measurable reduction in diameter or burning of the pin. Any of these conditions requires replacement of the clamp with a new stainless steel clamp from Maule.
4. Inspect the ¼ inch diameter holes in the muffler tube and tailpipe. Enlargement of these holes of more than 1/16 inch on a side requires the following:
  - (a) Install a new tailpipe.
  - (b) Drill a new ¼ inch diameter hole a minimum of ½ inch away from the old hole in the muffler tube.
  - (c) Install a new clamp using the new holes for the pin. Torque clamp nuts to 40-50 inch pounds, then back off ¼ turn.

5. Ensure that the tailpipe is supported by the hangers. Readjust the rubber hangers at the firewall if necessary. There must be freedom of movement between the tailpipe and the muffler tube. Replace the rubber hangers on condition.
6. Reinstall the cowl.
7. Fill out the accompanying Compliance Record Sheet and return to Maule Aerospace Technology, Inc. Make a normal logbook entry.

Note: New Stainless Steel Clamp Part No. 5072B or tailpipes may be ordered from the Maule Air, Inc Parts Department. Telephone number 229-985-2045, ext. 239 and 227.

Caution: It is highly recommended that this bulletin be repeated every 50 hours and at 100 hour and Annual Inspections.

