



## MANDATORY

FAA: *[Signature]*  
Date: MAR 08 2004

# Service Bulletin No. 22

Page 1 of 3  
Date: 1/26/04

**SUBJECT:** Wiring to Avionics Converter installed under right front seat

**AIRPLANES AFFECTED:** Maule Models **MXT-7-180** S/N 14001C, 14095C, 14096C, 14099C, 14100C, 14102C-14104C, 14111C; **MT-7-235** S/N 18042C, 18046C, 18048C, 18050C-18052C, 18056C, 18058C, 18081C; **MXT-7-180A** S/N 21061C, 21068C, 21071C, 21074C- 21076C, 21084C-21086C; **M-7-235B** S//N 23056C, 23058C, 23073C; **M-7-235C** S/N 25025C, 25033C-25035C, 25038C-25044C, 25046C, 25047C, 25049C, 25050C, 25052C-25054C, 25056C, 25059C, 25064C, 25079C; **M-7-260** S/N 26005C, 26010C, 26014C; **MT-7-260** S/N 27002C, 27004C, 27006C, 27007C; **MX-7-180C** S/N 28012C-28014C; **M-7-260C** S/N 30005C, 30011C-30013C, 30015C, 30018C, 30026C; **M-7-420A** S/N 35001C

**STATUS:** This Service Bulletin is cautionary regarding the possibility of in-flight electrical fire and should be considered mandatory

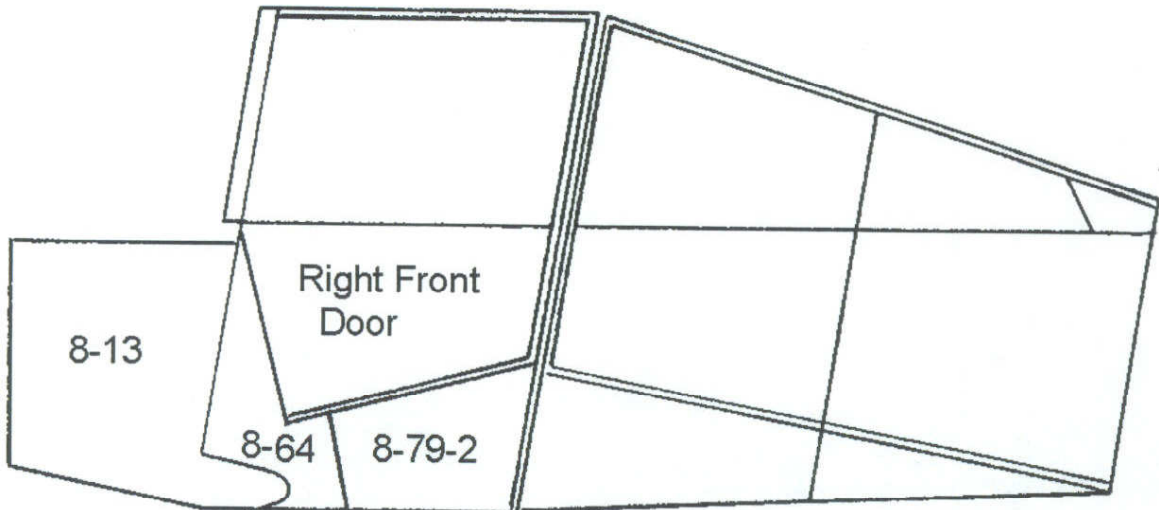
**BACKGROUND:** This Service Bulletin is prompted by a report received by Maule. Wiring down the right side of the airplane from instrument panel passes through interior panel to converter installed on floor under the seat. Wires were chaffed by interior panel against the step support tube. Insulation on the wires was abraded to bare wire which arced and burned small area of vinyl covered aluminum panel and structural tube.

**COMPLIANCE:** Compliance with this Service Bulletin is recommended before further flight.

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

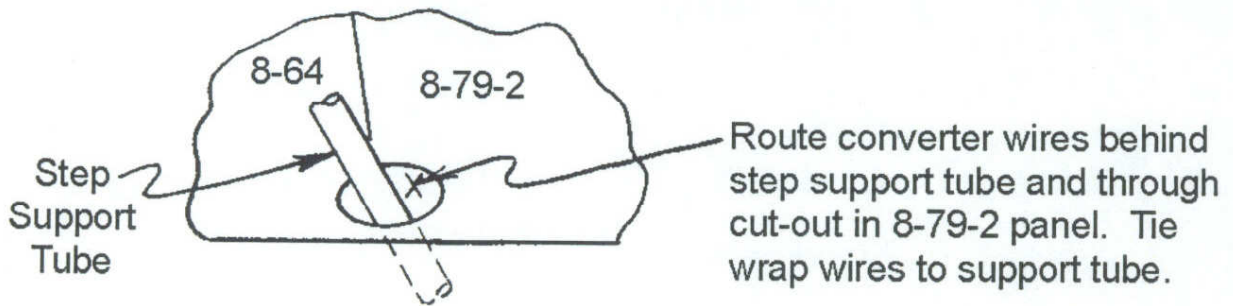
1. Remove right front seat by removing (2) rear support attach bolts at floor. Slide seat forward in guides and remove spring.
2. Remove panel on front seat support by cutting the (4) tie wraps.
3. Loosen forward kick panel (8-13) and remove panel (8-64) under forward door opening. Refer to accompanying sketch for locations. Remove panel (8-79-2) if necessary for inspection.
4. Inspect converter wiring where it passes through panels at step support tube. Look for evidence of cutting, abrasion, or arcing where wires pass through the panels adjacent to the step support tube.
5. Replace any damaged wiring and reroute the wiring if necessary to agree with Sketch #2, page 2. Enlarge the opening in the panel if necessary. Clean and repaint any area on the step support tube that suffered from arcing. Replace or repair the (8-64) and (8-79-2) panels if burned.
6. Reinstall the panels and seat after inspection and any necessary corrections.

Please fill out Compliance Record Sheet return to Maule. Note in the aircraft log that "Maule Service Bulletin No. 22 has been complied with.



Interior Panel Locations -  
Right Side View From Inside

Sketch #1



Sketch #2



## Service Bulletin No. 22

### COMPLIANCE RECORD SHEET

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

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

Action taken (PLEASE CHECK IF APPLIES):

- Complied with this Maule Service Bulletin No. 22.
  - Inspected and found satisfactory
  - Evidence of wire chaffing found
  - Evidence of arcing/burning found

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 to: Maule Air, Inc. ~ Attention: Virginia Davis ~ Engineering Records ~ 2099 Georgia Highway 133 South ~ Moultrie, GA 31788 USA