

FAA APPROVED: 6/28/96  
REV'D: 11/26/96  
REV'D: 4/23/98

MAULE AEROSPACE TECHNOLOGY, INC.

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Rev'd: 3/16/98

**SERVICE BULLETIN NO. 17**

**SUBJECT:** Fuselage Tubes located near Forward Rudder Control Cables.

**REFERENCE:** Service Bulletin No. 14

**AIRCRAFT AFFECTED:** All Maule Model M-4's, M-5's, M-6's, MX-7's, MXT-7's, MT-7-235's, M-7-235/A/B's, M-8's

**COMPLIANCE:** Before next flight. Considered mandatory.

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

**PURPOSE:** Service Bulletin No. 14, attached for reference, is a mandatory requirement for inspection of left and right kick panels and forward rudder cables. There is also a possibility that these cables may have been forced against structural tubes #100 or #30 by kick panels causing damage to tubing. We have received two reports of cable rubbing cuts into tubing. This Service bulletin provides an inspection procedure and, if required, provides correction procedures.

**INSTRUCTIONS:** NOTE: If these tubing areas, located behind left and right kick panels, were examined previously during the Service Bulletin No. 14 inspection, and no rubbing marks were detected on tubing at that time, no further action is required. Complete Compliance Record Sheet and return it to Maule Records. If you are not completely sure, reinspect per following instructions.

1. Remove right and left forward kick panels. Left side will require removal of fuel valve handle.
2. Inspect fuselage structural tubes directly adjacent to rudder control cables. If there is no evidence of cable rubbing, no further action is required. Complete Compliance Record Sheet and return it to Maule Records.
3. If the cable has been in contact with the structure, carefully inspect the depth and width of the damage to the associated structural tube. This damage may be blended out with a fine file if the metal removed does not exceed a depth of .010 inch and a width along the tube of ¼ inch. If either of these dimensions is exceeded, the tube must be reinforced with a welded patch per Detail A, page 2 of this Bulletin.

Inspect the affected rudder cable to be sure that it has not been damaged. (In the two incidents reported above, the cable was not damaged.) Replace the cable if any of the outer strands are worn appreciably or broken.

If there is any evidence of the cable having been against the structural tube, install the 3267B-4 Plastic Guide Tube per Detail B, page 2 of this Bulletin.

**AVAILABILITY OF PARTS:** The following is required to perform this Service Bulletin, if necessary. Order from Parts Dept of Maule Air, Inc.: (Express shipping is to be paid by customer)

1 or 2 ea. SB #17 Tube Reinforcement

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2 ea. 3267B-4 Plastic Guide Tube - Rudder Control Cable

**NOTE: Split Guide Tube as required before shipping**

2 ea. MS21919DG-6 Clamp - Support

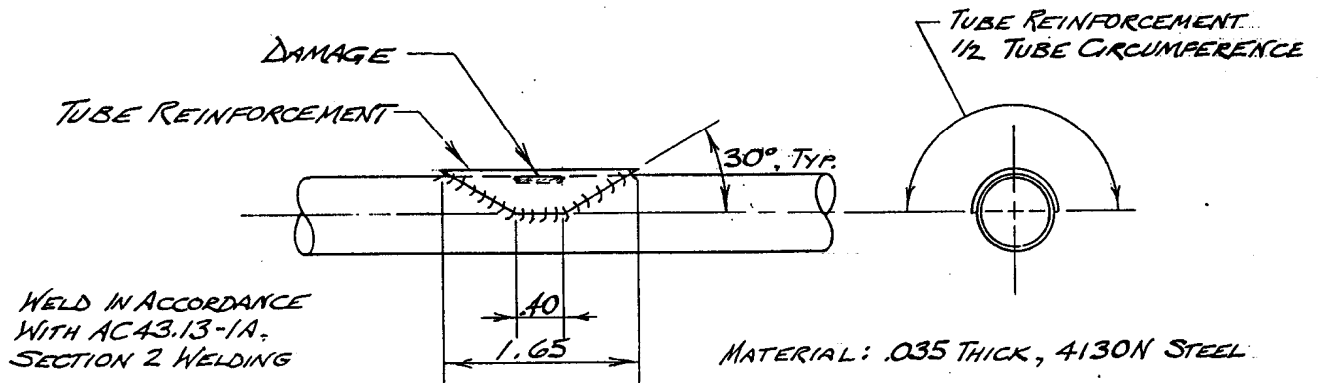
2 ea. MS21919DG-10 Clamp - Support (use with 5/8" tubing) **or**

2 ea. MS21919DG-12 Clamp - Support (use with 3/4" tubing-float reinf.)

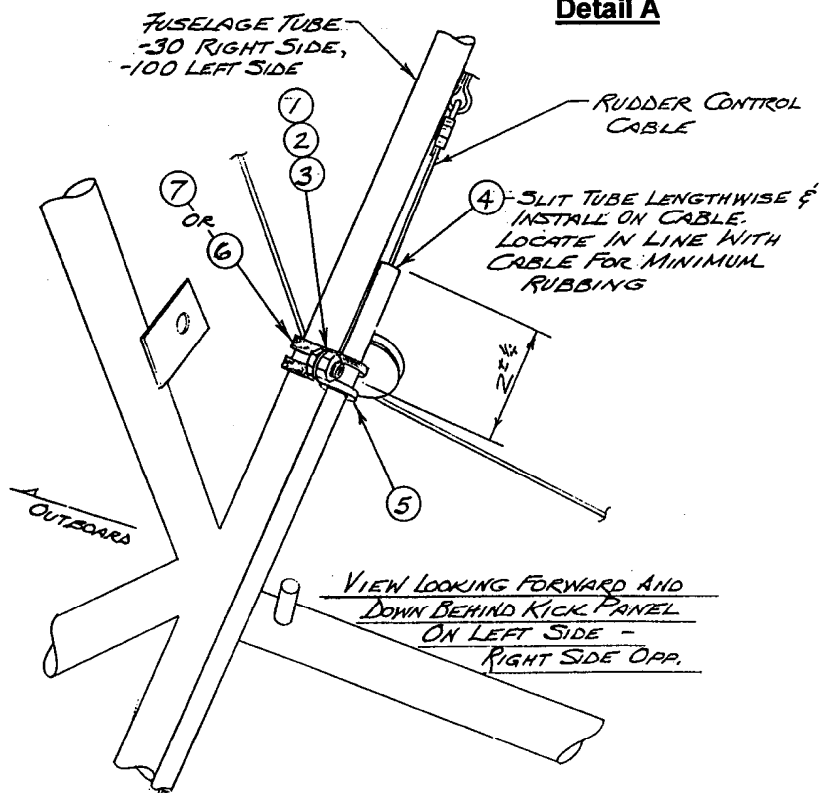
2 ea. AN3-4A Bolt

2 ea. AN365-1032 Nut

2 ea. AN960-3 Washer

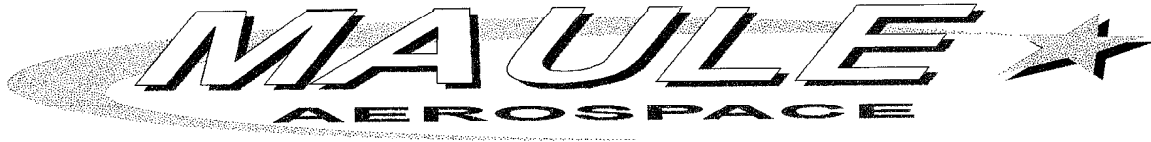


## Detail A



## Detail B

**DOCUMENTATION:** Record compliance to this Service Bulletin in Aircraft Log Book and return the completed Compliance Record Sheet (Page 3) to Maule Engineering Records.



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**COMPLIANCE RECORD SHEET**

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

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

Aircraft Registration No. \_\_\_\_\_

Action taken (check one:

- ( ) Accomplished inspection procedure for possible damage to the structural tubing located behind upholstery kick panels by rudder cable rub as outlined in this Service Bulletin and **found them to be in satisfactory condition** with no evidence of cables touching tubing.
- ( ) Accomplished inspection procedures per this Service Bulletin for possible tubing damaged by rudder cable rub and **found that one or both tubes were damaged slightly and required only the blend-out procedure and installation of plastic guide tube which were accomplished per this Service Bulletin. Please check:**

( ) Left Side                      ( ) Right Side

- ( ) Accomplished inspection procedures per this Service Bulletin for possible tubing damaged by rudder cable rub and **found that one or both tubes required installation of tube reinforcement patch and installation of plastic guide tube which was accomplished per this Service Bulletin.**

( ) Left Side                      ( ) Right Side

Note: If you no longer own this aircraft, please forward this information to the present owner/operator and notify the factory of address/ ownership corrections. Include aircraft model, serial number, current owner's name and address. Corrections should be directed to factory address below.

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

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

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

Certified by \_\_\_\_\_ Title \_\_\_\_\_

Signature

Owner, A&P, IA, etc.

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

Please mail this Compliance Record Sheet to: Maule Air, Inc./Engineering Records/2099 GA Hwy 133 South/Moultrie, GA 31768 USA