



(This Service Bulletin is FAA D.O. Authorization SW-1 Approved)

SUBJECT: Replacement Tail Truss Part No. 480007

MODELS AFFECTED: M20, M20A – All Serial Numbers

TIME OF COMPLIANCE: At customer option to eliminate the requirements of Airworthiness Directive 65-22-3.

INTRODUCTION

This service bulletin is issued to advise of the approval and availability of a new designed truss, Part No. 480007. By installing this truss on the above referenced aircraft, this will eliminate the requirements shown on Airworthiness Directive 65-22-3 issued September 16, 1965, and amendment effective November 4, 1965. The new truss should be inspected on each 100-hour or annual inspection in the same manner as all other structure.

INSTRUCTIONS

1. Remove the fairings from each side of the tail cone at the empennage attachment.
2. Remove the tail stinger assembly (four attach points).
3. Disconnect the rudder and elevators by removing the AN-3 bolts and nuts at each control horn, using care not to disturb the jam nuts at the rod ends.
4. Remove the upper attach bolts (item 17, fig. 1) and the lower bolt (item 14, fig. 1). Also disconnect the tube at the tail cone bulkhead (item 18, fig. 1) and remove the empennage carefully.
5. Exchange trusses and carefully inspect the bolts and bushings for excessive wear. Replace if wear is evident.
6. Install the empennage as previously installed. With the two upper empennage attach bolts installed, check the alignment of the 7108 link (item 11, fig. 1) with the U-fitting on the 480007 tail truss (item 14, fig. 1) as described in items 5 and 6 of the instructions in Mooney Service Bulletin 20-60 (formerly service letter).
7. Connect the elevator and rudder controls.
8. Check for control travel with Mooney travel boards per the M20 and/or M20A Maintenance Manual. Rerig if out of limits. Be sure to tighten the jam nut after adjustment is made. Trim travel should also be checked at this time for proper limits.
9. Reinstall the fairings.

COMPLIANCE

Upon compliance with this service bulletin, please fill out the kit compliance card and return it to Mooney Aircraft, Inc. for our files.

SERVICE BULLETIN KIT NO. M20-138

Mooney Part No. 480007 may be ordered from your local Mooney Distributor. Direct factory orders will not be accepted. It is recommended that a Mooney Service Shop install this kit.

