



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

SUBJECT: Rework of Top Vent System Drain Line

MODELS AFFECTED: M20F S/N 670001 thru 670296

TIME OF COMPLIANCE: At Owner's Option

INTRODUCTION: On the aircraft noted, the water drain line for the upper ventilation system air box is a ½ inch I. D. plastic tube which routes under fuselage station 88 bulkhead, immediately aft of the attachment to the air box. When the bulkhead upholstery trim is installed, the pressure of the trim against the plastic tube can cause the tube to collapse and prevent rain water drainage. Water could then accumulate in the vent system and stain the interior and/or flow out from the cabin air outlets in flight. If this problem occurs, the vent system can be re-worked by adding a metal tube section under the bulkhead as described.

- INSTRUCTIONS:
1. See figure (1). Remove rear attach screws from 130160 top Royalite cover. Remove 130097 bulkhead trim and 130184 baggage compartment panel.
 2. Cut out section of collapsed plastic tube as shown. Detach tube (tape) from top skin in baggage area and route tube under Fiberglass insulation rather than between insulation and outer aluminum skin.
 3. Install metal tube section in area of drain line that passes under the fuselage bulkhead as shown in figure (1). Secure the two junctions with Corbin clamps.
 4. Replace baggage ceiling panel and bulkhead trim. Cut out 130097 bulkhead trim as required for adequate clearance of metal tube section. Baggage ceiling panel will now be supporting the plastic drain tube which was detached from the outer skin (see Step 2) and rerouted. Replace screws in aft Royalite console 130160.
 5. Enter required information in aircraft log book and return aircraft to service.

SERVICE BULLETIN KIT NO. M20-147

1 5052 aluminum tube, .035 wall, ½ inch O.D. X 6 inches long

2 number A-10 Corbin clamps

This Service Bulletin Kit may be obtained from your local Mooney distributor. Direct factory orders will not be accepted.

