



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

- SUBJECT:** Rework of Cabin Sealing on M20F
- MODELS AFFECTED:** M20F S/N 670001 thru 670116, 670118 thru 670120, 670122, 670124 thru 670126, 670128 thru 670131, 670134 thru 670136, 670138, 670141, & 670144.
- TIME OF COMPLIANCE:** At Owner's Option
- INTRODUCTION:** There have been reports of cold air leaks in the rear seat area of the M20F which are particularly noticeable during winter operation. This bulletin describes areas which have been found to be sources of air leaks in some aircraft and defines rework required.
- INSTRUCTIONS:**
1. Remove rear seat backs and bottom cushion. Remove baggage compartment side panels.
  2. Figure 1 describes the "sealing line" at the left and right sides junctions which separates cold, higher pressure air in the belly area from the cabin in the vicinity of the rear seat. Check both left and right sides of these areas for any obvious leaks before starting the rework.
  3. Remove the gray plastic tape from the area shown, from the baggage compartment (just aft of the tail cone attachment) to the main wing spar.
  4. Fill in areas specified by the arrows in Figure 1 with calking (Scotch Calk or equivalent) as required to seal irregular holes and gaps. The area near the baggage floor extension has been found to have leakage and also the joint between the rib cap and main spar cap under the Tubular Structure.
  5. Finish sealing the area indicated in Figure 1 with Permacel #12 aluminum foil tape (or equivalent) as shown by the shaded area.
  6. Check for leaks where radio cables and vacuum lines pass through the rear baggage bulkhead on the left side of the aircraft, and seal with calking and tape as required.
  7. Replace baggage side panels and rear seat and return aircraft to service.

**SERVICE BULLETIN KIT NO. M20-145**

10 ft. 2 in. Permacel #12 Tape, 1 Box of 3M "Scotch Calk".

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

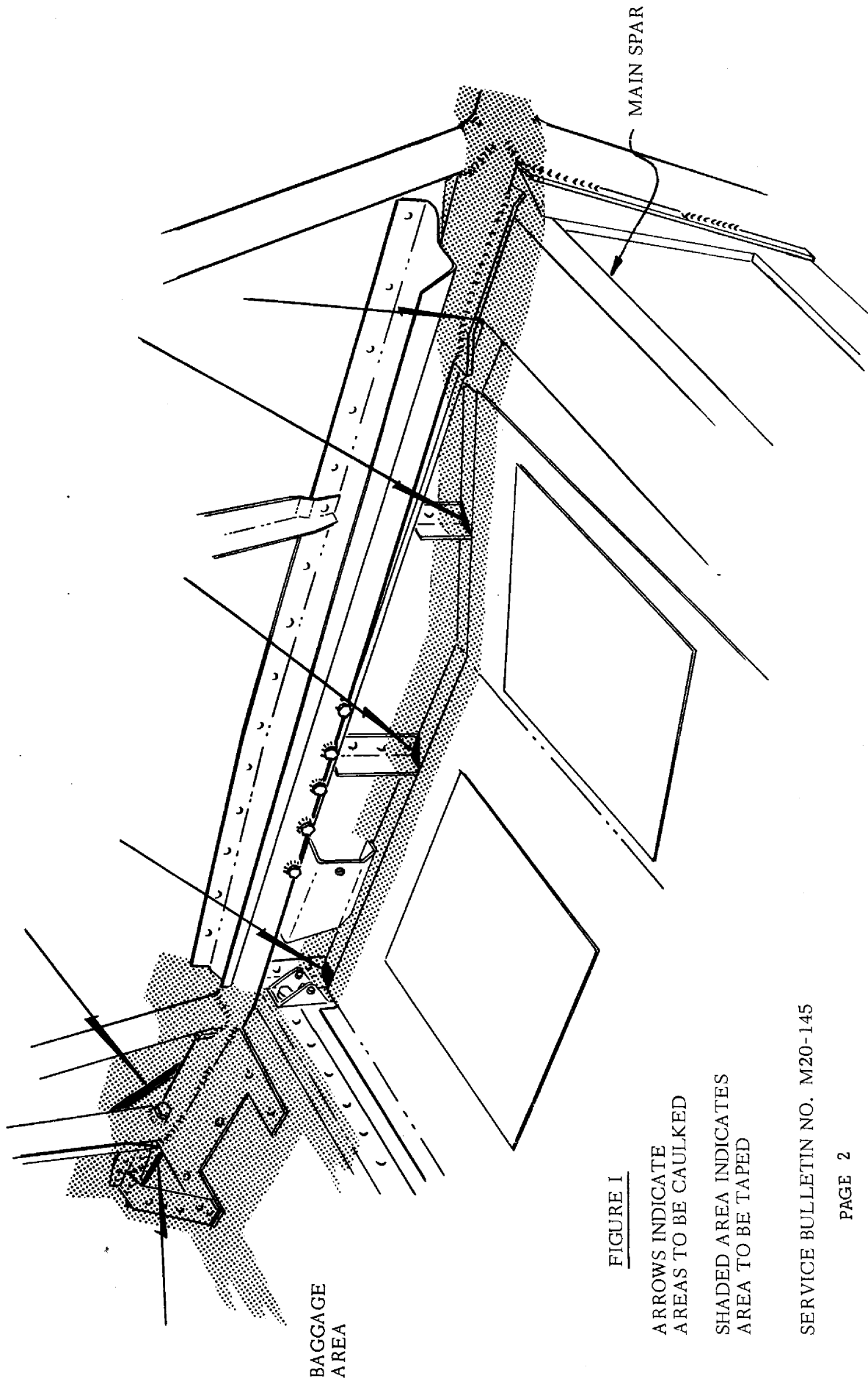


FIGURE 1

ARROWS INDICATE  
AREAS TO BE CAULKED

SHADED AREA INDICATES  
AREA TO BE TAPED