



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

SUBJECT: Replacement of Seat Release Tube Attachment Bolt

MODELS AFFECTED: M20F S/N 670001 thru 670175

TIME OF COMPLIANCE: At Owner's Option

INTRODUCTION: On the aircraft above, the front seat pin release tube is attached on both sides with an AN-4-20A hexagon head bolt. The head of this bolt can sometimes cause the seat bottom upholstery cover to protrude enough that the cover can be cut or worn by the seat back support plates when the seat back is rotated forward. If this problem occurs, the AN-4 bolts can be replaced with AN-24 clevis bolts as described below.

- INSTRUCTIONS:
- (1) Remove both front seats from the airplane. Remove the seat belts from the seats.
 - (2) Remove the bottom cover upholstery clips on both sides as shown in figure 1 to provide access to the AN-4 bolts.
 - (3) Remove the AN-4-20A bolts (both sides) and AN 363-428 nuts and replace with AN-24-30 clevis bolts and AN-364-428 nuts. Cut away any canvas material from under the bolt head, and do not use a washer under the bolt head so that the installed bolt will bear directly on the metal web retention strap.
 - (4) Replace upholstery using the original plastic clips. If the original upholstery cover has been damaged, it can be replaced from Mooney Spare Parts stock. Replace the seat belts, routing the belt webs outside of the seat back support plates except for the pilots inboard belt which is routed between the support plates and the seat bottom for trim control wheel clearance.
 - (5) Install seats in airplane and return airplane to service.

SERVICE BULLETIN KIT NO. M20-146

4 AN-24-30 Clevis Bolts

4 AN-364-428 Thin Nuts

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

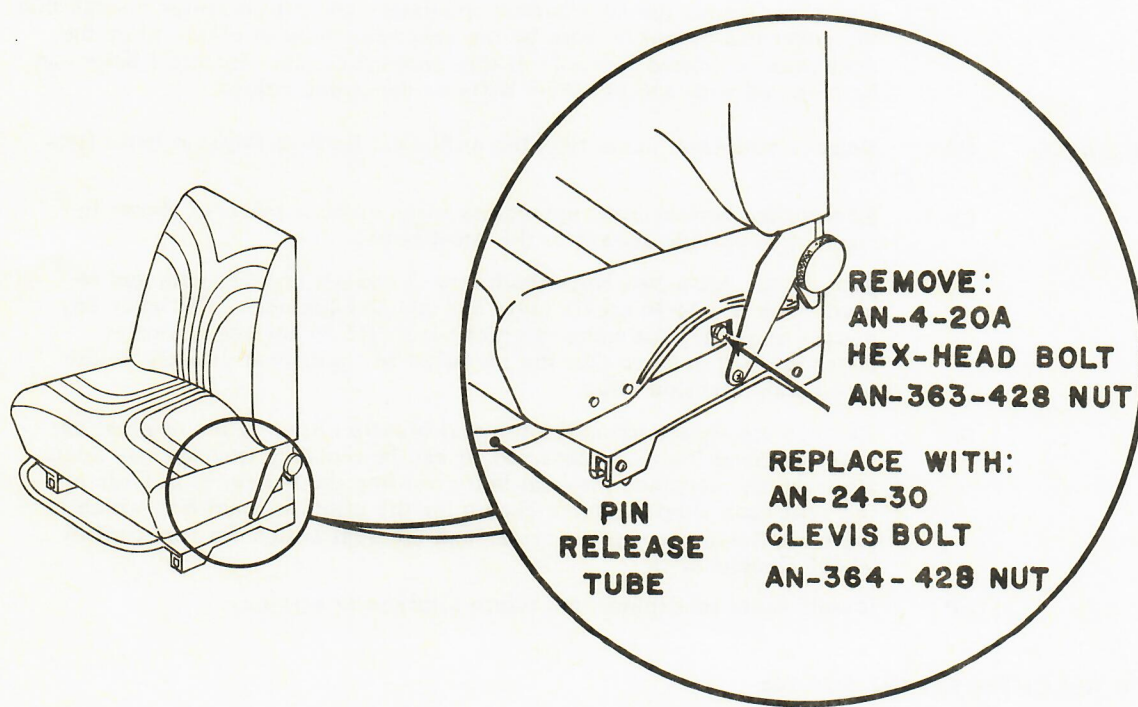


FIGURE 1