



**HORIZONTAL TAIL
BELLCRANK
7C1-1**

**BELLCRANK BLOCK
7C1-2**

Layout the 4 holes on the
Bellcrank

First drill the 5/16" hole in 7C1-1 and 7C1-2. Bolt the two parts together with a 5/16" bolt, then drill the #20 hole for the solid rivets through both parts



ORIENTATION: The 1/4" hole is at the bottom front, the Block 7C1-2 is riveted on the left inboard side of the Bellcrank 7C1-1 (photo of right side outboard side)

Bolt 7C1-2 to 7C1-1 before drilling the two #20 holes.



Part after they have been cut, drilled and deburred



LAYOUT: Mark the centerlines and shape of the part. Layout the holes and the 6 rivets.

**FLAPERON
BELLCRANK
7C1-4**

**BELLCRANK SPACER
7C1-5**



Parts as supplied



CLAMP: Clamp the 2 pieces together, drill and Cleco.

Wait to open up, drill the pilot hole to a 3/4" hole until after the Spacer is installed.



Line up centerlines; then clamp the Spacer 7C1-5 on the backside of the Bellcrank 7C1-4.

Saw off the corner of the Spacer.



Top view

Drill the 3/4" hole through the 3 pieces.



**Control Stick
7C2-1**

Front Bearing Top 7F11-2 on the backside of the stop ring welded on the Torque tube 7C2-2.



Drill the two 5/16" hole for the Bolt AN5.

The top of the Horn 7C2-3 is installed square to the side of the Torque Tube.



The hole of the bolt is on the front side of the horn.



CHECK clearance with head of bolt.

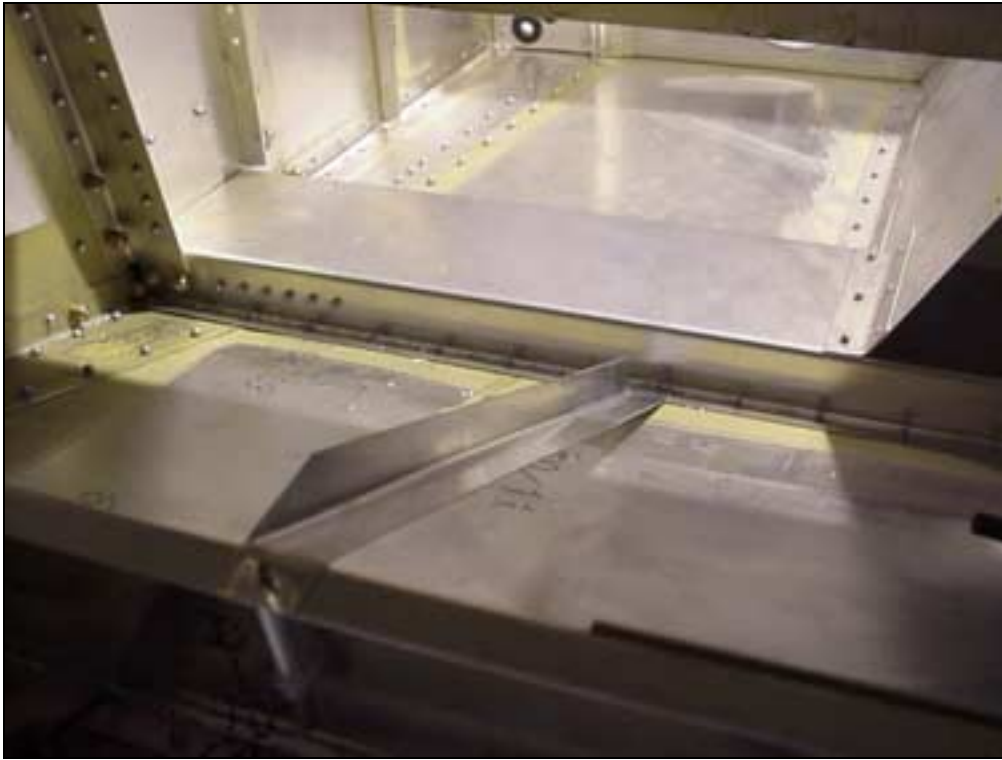
Mark a reference along the front edge of the 1.125 Tube 7C2-3 on the side of the Torque Tube 7C2-2.

CHECK for gap between the aft edge of the flange and the bellcrank is at least 10mm.



The hole in the Horn 7C2-3 is already pre-drilled.

Remove the assembly from the Fuselage to drill the hole for the AN3 bolt.



Front end



Aft end

Support 'L' angle, Ref. top left diagram on drawing 7-C-2

Front end is riveted to the Top Flange of Bottom Channel 6F6-1
 Aft end is drilled through aft flange of the Bottom Channel 7F10-1

Trim the side flange of the L angle to bend the bottom flange.

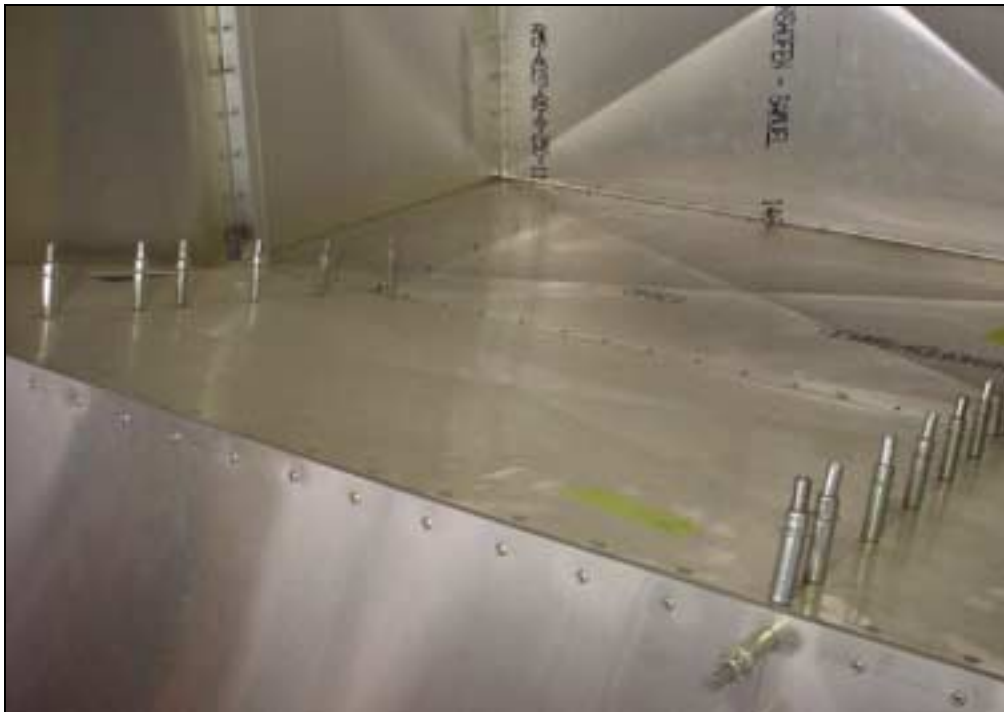


Support 'L' angle to keep the Bottom Channel 7F6-1 square to the Torque Tube.



'L' angle on back side of Seat Back Ref 6-F-6

'L' angle on underside of Baggage Floor, Ref. 7-F-6. Check the width with the Flaperon Control Mount 7C3-1
IMPORTANT: The Flaperon Control Bearing 7F6-3 will fit on the inside flange of the 'L' angles.



Seat Back



Baggage Floor

Rivets are pulled from the top & front side.



'L' angle
 Length = 390
 Ref. Top right diagram on
 drawing 7-F-6 & 7-F-8

Photo of the Extended Baggage Floor 7F8-9B looking up at the left side.

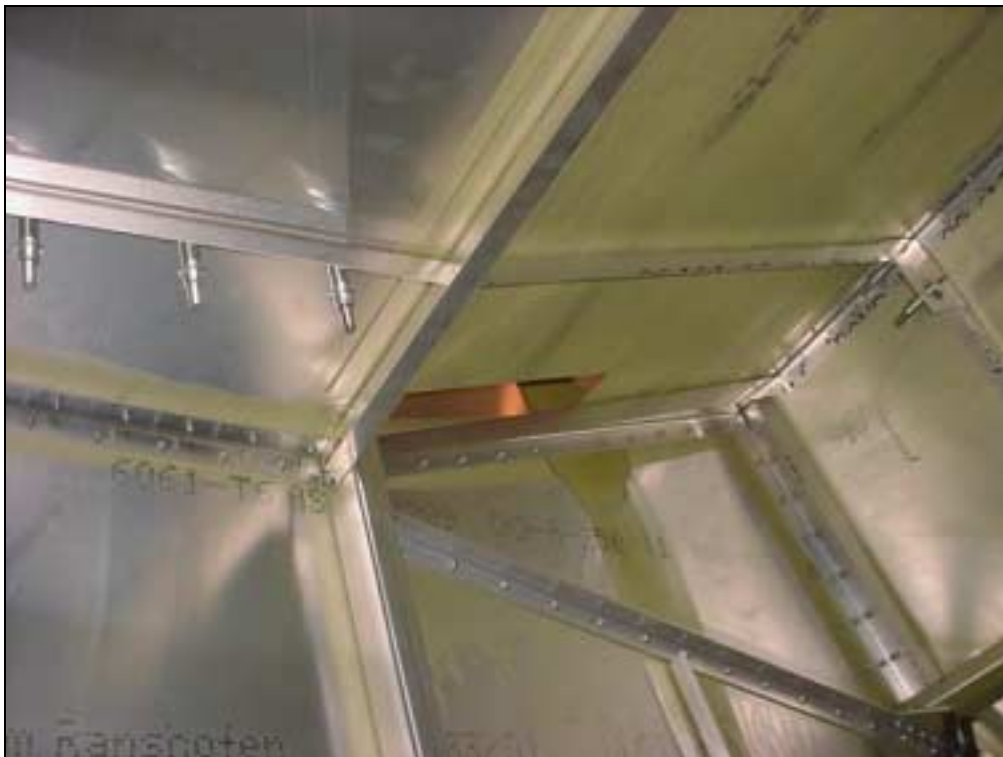


Photo of left side.
 'L' angles on the front and
 aft side of the Zee
 Channel 7F8-10B

Cutout in the Baggage Floor 7F5-7 for the Flaperon Control Rods 7C1-6.
 Front =85mm measured from the O/B of skin to I/B edge of cutout. The
 cutout will be covered by the Rod Cover 7C6-6 (The front flange of the Cover
 is 95mm wide) The back of the cover will be riveted on to the upright 7F5-4