

## 75-TA-3 Elevator Skeleton



This manual has been prepared for assembly of the Elevator Skeleton. This photo assembly manual is intended as a supplement to the drawings. If there is any discrepancy between this manual and the drawings, the drawings supersede this manual. For information on building standards and tolerances see "Construction Standards for Zenair Light Aircraft" available from Zenith Aircraft Co.



**P/N:** 75T3-2  
Elevator Nose Rib

Draw a line connecting the tooling holes in the Nose Rib. Set the Nose Rib on the bench and with a square. The line connecting the tooling holes will lean towards the top of the Nose Rib.



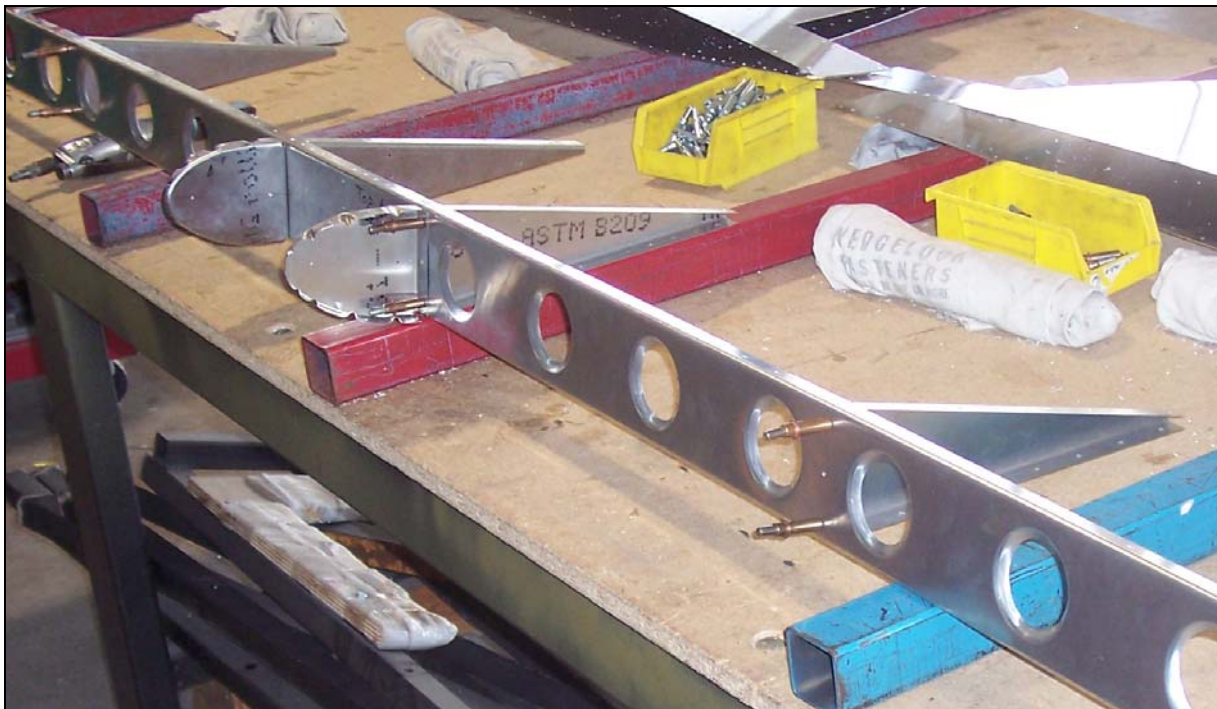
**P/N:** 75T3-3M  
Elevator Middle Rear Rib

The Middle Rear Rib is predrilled in the top flange pitch 40mm.



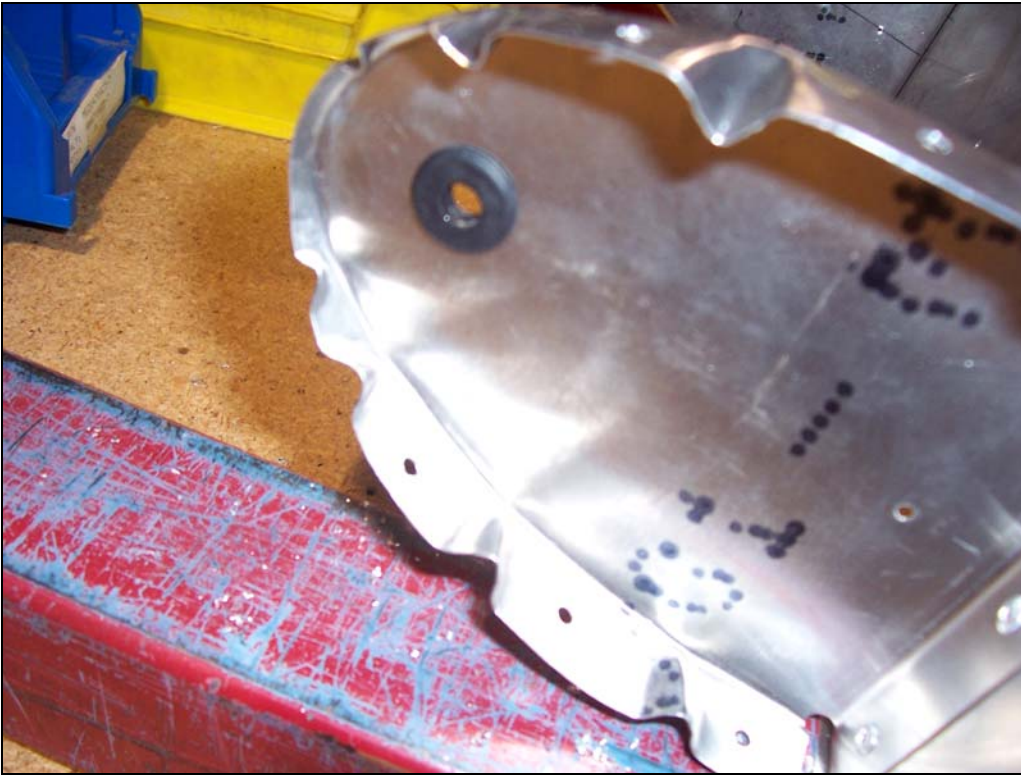
**P/N: 75T3-31**  
Elevator Inboard Rear  
Rib

The Inboard Rear Rib is predrilled in the top flange pitch 25mm.



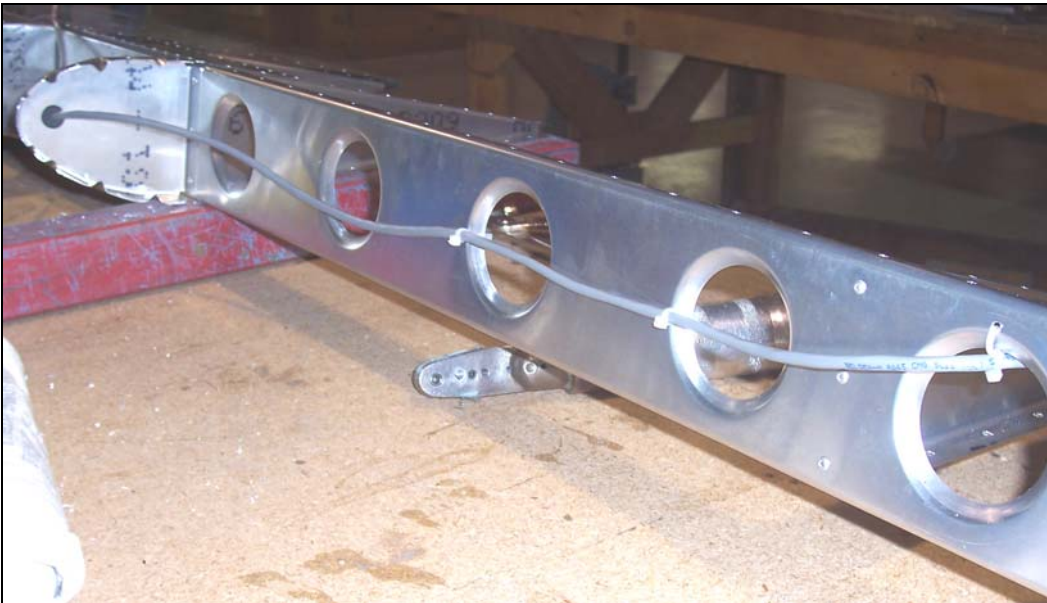
Cleco the Nose Ribs and Inboard Rear Ribs to the holes 140mm from the center of the Spar. Cleco the Middle Rear Ribs to the holes 714mm from the center of the Spar. Check the orientation of the Nose Ribs and Rear Ribs are correct before drilling. Drill through the Spar and Ribs to A4.

**Note:** All Nose Rib and Rear Rib Flanges point outboard.



**P/N:** AN931-4-7  
Elastic Grommet

Expand the tooling hole in the left Nose Rib for a Grommet. (This Grommet is to protect the trim wires from chafing on the Nose Rib.)



**P/N:** D33105  
5 Wire Electric Cable

Run the wire through the Grommet in the Nose Rib and secure it to the Spar. Leave an extra coil of Wire behind the Spar to make installing the Trim Servo easier.

**Note:** If Tie Wraps are used to secure the wire, use two Tie Wraps at each location. One through the hole in the Spar and one around the Wire and the first Tie Wrap. This will prevent the Wire from chafing on the Spar.