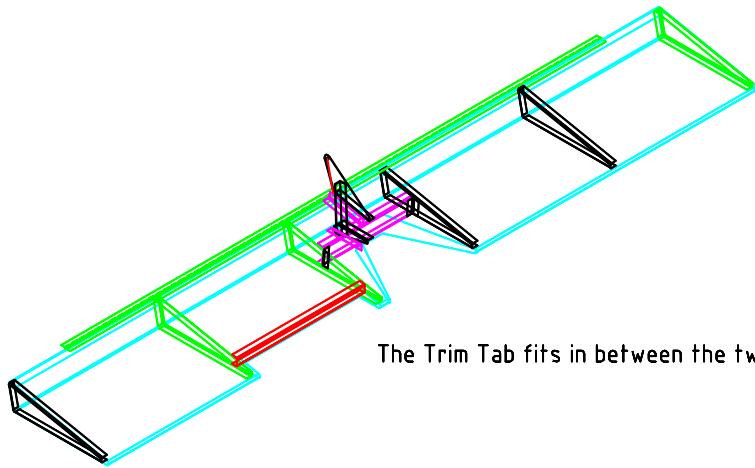
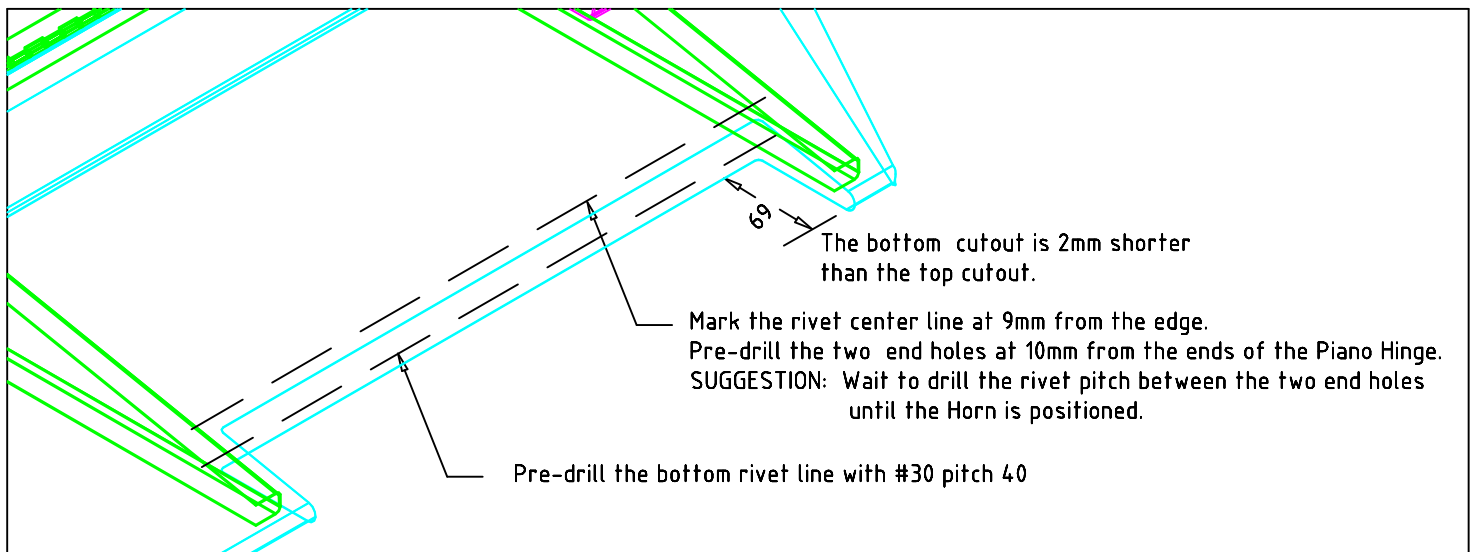
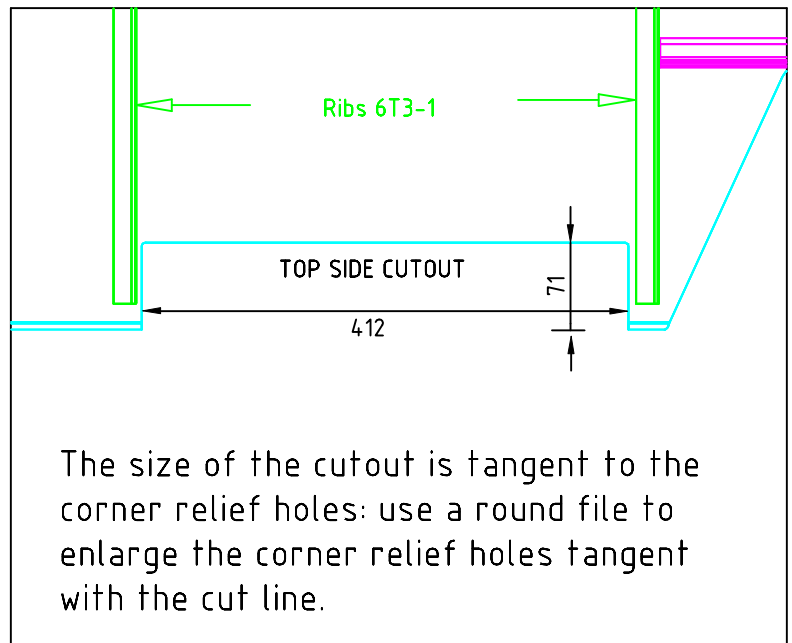
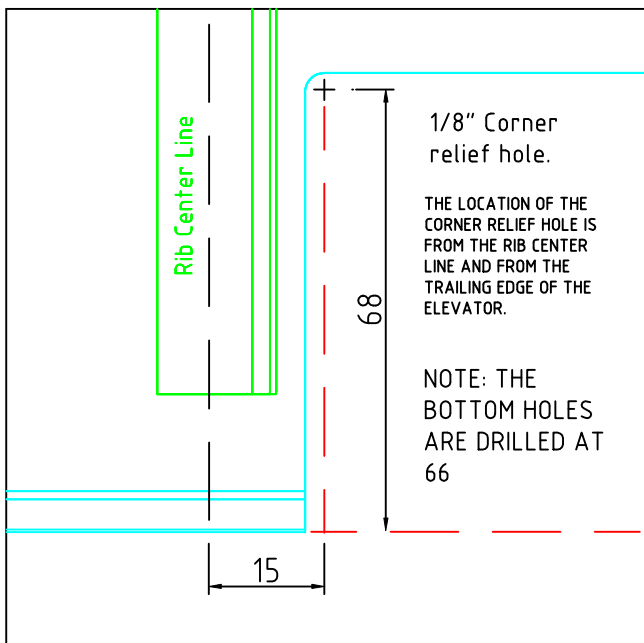


PACKING LIST

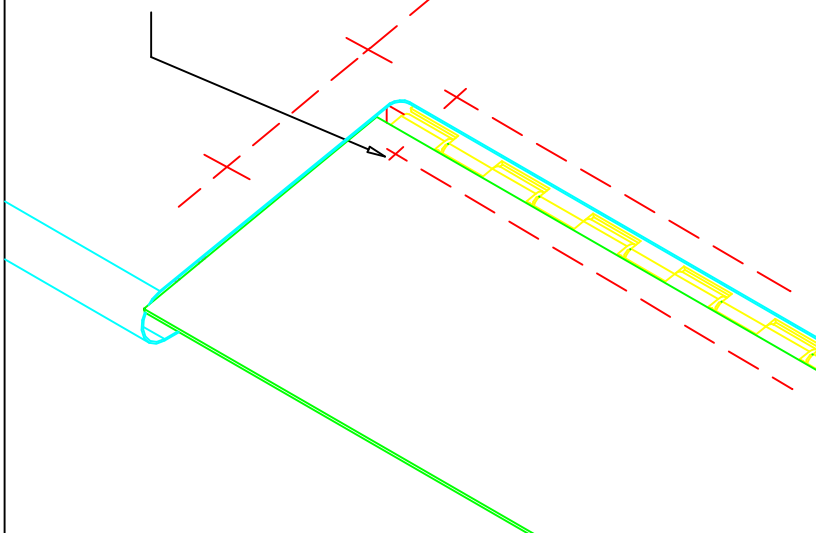
ETR-1 Channel - - - - - QTY = 1 - - []
 ETR-2 Piano Hinge - - - - - QTY = 1 - - []
 ETR-3 Trim Tab - - - - - QTY = 1 - - []
 ETR-4 Horn - - - - - QTY = 1 - - []
 ETR-5 Cover Plate - - - - - QTY = 1 - - []
 4A MAC Servo, switch, indicator (box) - - - - QTY = 1 - - []
 D33105 5 Wire Electric Cable - - -19ft - - - QTY = 1 - - []
 Drawings: pages ETR-1 to ETR-5. - - - - - QTY = 1 - - []
 RP452-ND Hole Grommet 3/16" I/D - - - - - QTY = 1 - - []



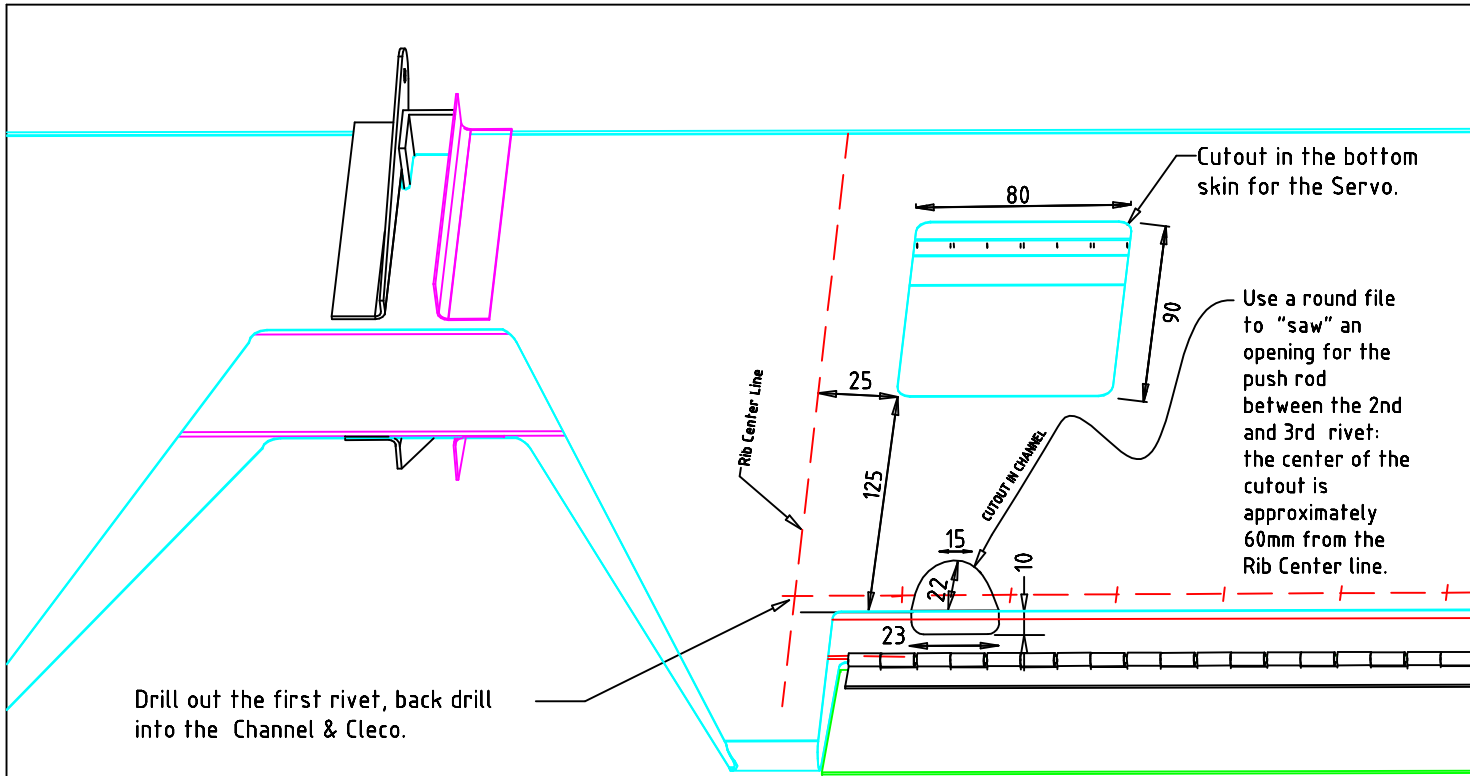
The Trim Tab fits in between the two inboard Ribs on the LEFT side of the elevator.



The rivets in the Trim Tab are lined up with the rivets through the Channel.



- 1) It may be necessary to drill out the second last rivet on the inboard Rib to position the Channel inside the Rib.
- 2) Mark the rivet line at 9mm from the front edge of the Trim Tab.
- 3) Center the trim tab in the cutout to transfer the end holes through the Channel.
- 4) Predrill the Trim Tab with pilot holes.
- 5) Position the Trim Tab with the aft edge flush with the trailing edge of the elevator. Drill and Cleco the Trim Tab to the Hinge.



Drill out the first rivet, back drill into the Channel & Cleco.

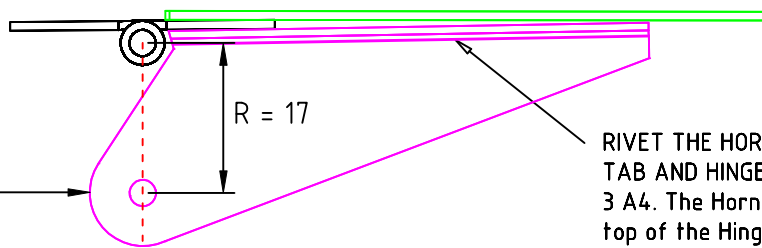
Turn the Elevator upside down to mark the location of the bottom access hole.

POSITION AND DRILL THE TRIM TAB TO THE HINGE.
CUT THE BOTTOM ACCESS HOLE IN THE ELEVATOR SKIN

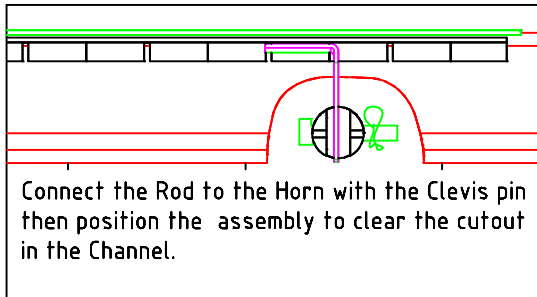
Drill the 1/8" hole in the Horn at 90 degrees from the Trim Tab. The center of the 1/8" hole is at 17mm from the center of the hinge.

Radius the Horn and cut the flange to clear the Hinge.

R6



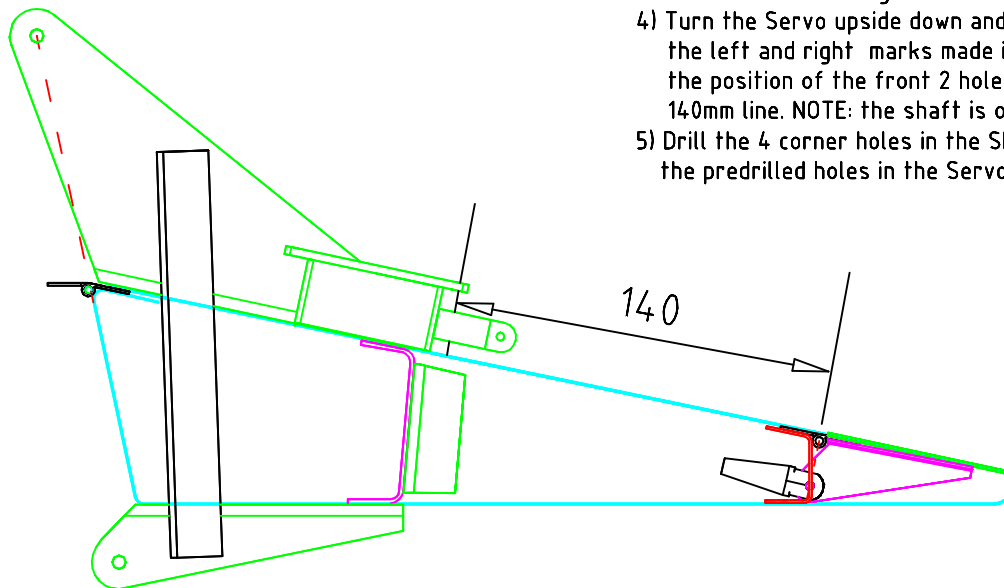
RIVET THE HORN TO THE TAB AND HINGE WITH 3 A4. The Horn overlaps on top of the Hinge.



Connect the Rod to the Horn with the Clevis pin then position the assembly to clear the cutout in the Channel.

Drill the Servo to the top side of the Skin:

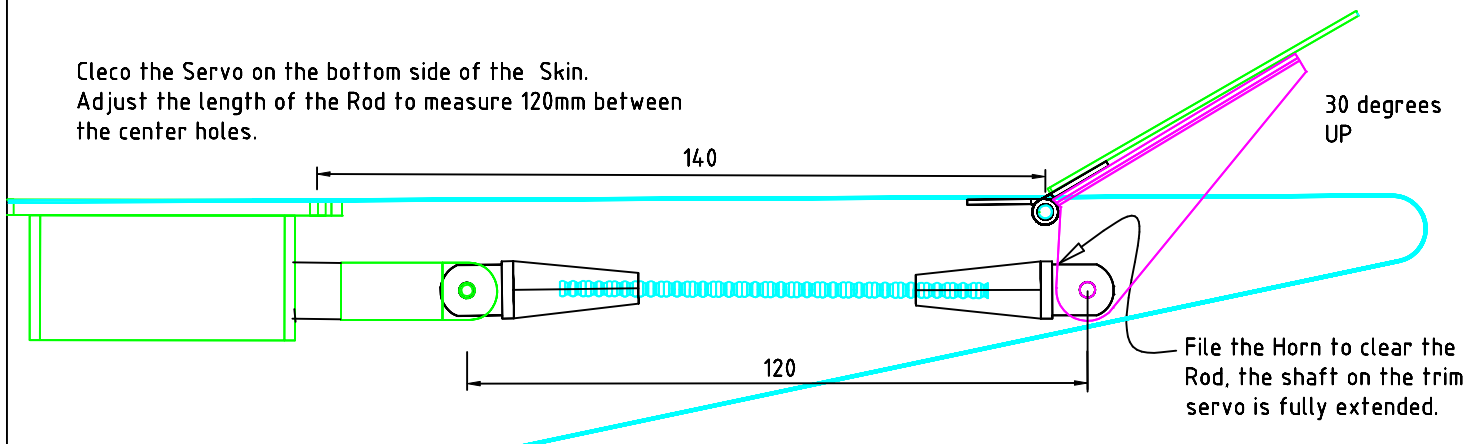
- 1) Draw a line passing through the vertical flange of the Horn on the top side of the Skin parallel with the Ribs.
- 2) Draw a line parallel to the Piano Hinge at 140mm from the center of the Piano Hinge for the Trim Tab.
- 3) Position the Servo on the Skin with 4 drilled holes pointed up (the bottom of the servo resting on the Skin), center the arm of the Servo on the Horn line to mark the left and right side of the Servo on the Skin.
- 4) Turn the Servo upside down and center it between the left and right marks made in step 3 above, adjust the position of the front 2 holes to intersect the 140mm line. NOTE: the shaft is offset to the side.
- 5) Drill the 4 corner holes in the Skin by drilling through the predrilled holes in the Servo with a #30 drill bit.



Cleco the Servo on the bottom side of the Skin. Adjust the length of the Rod to measure 120mm between the center holes.

140

30 degrees UP

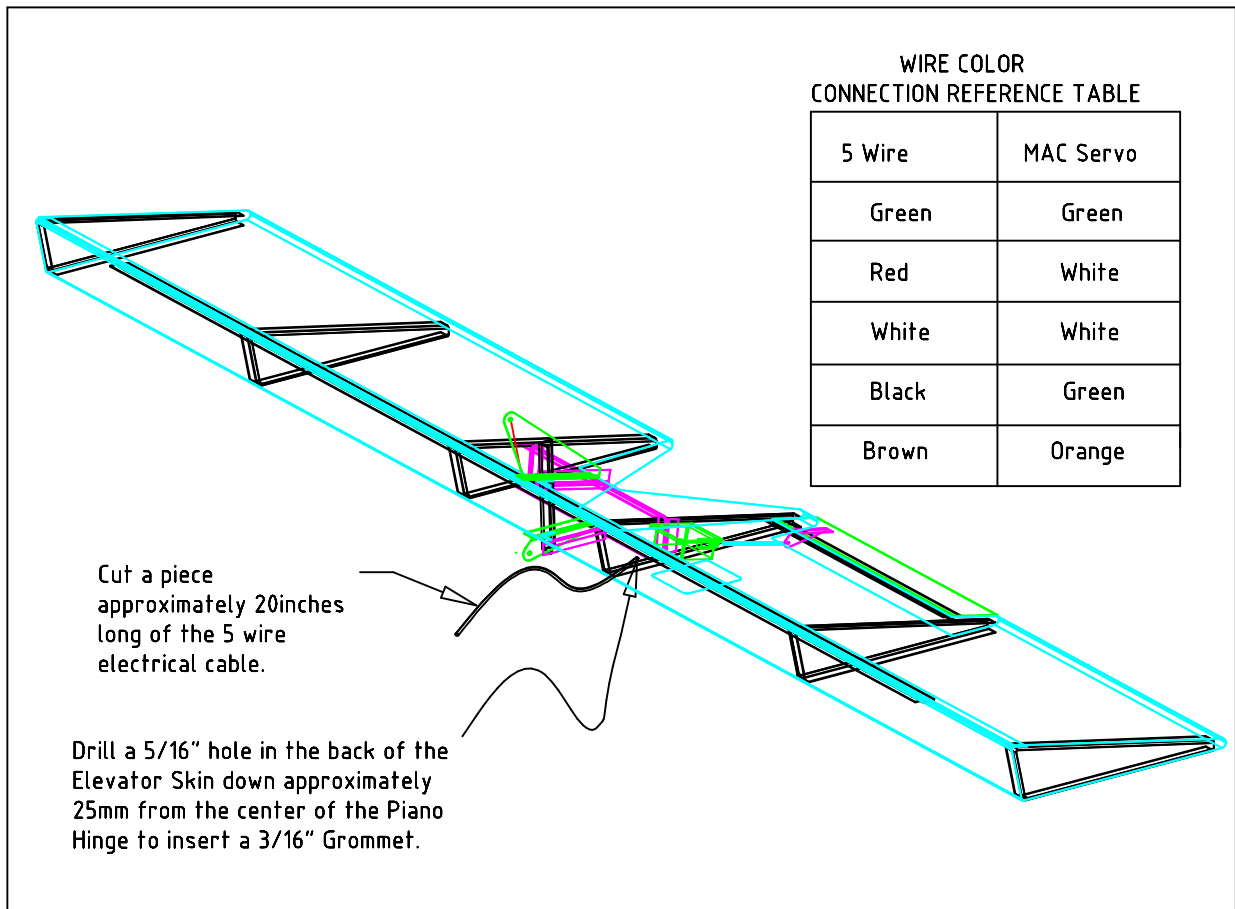


File the Horn to clear the Rod, the shaft on the trim servo is fully extended.

POSITION THE HORN AND SERVO .

ETR - 4

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CHECK: Use a 9V battery to check the electrical system in accordance with the MAC Installation Instructions for the MAC 4A Trim System: the same color code is used at the rocker switch and the Servo. Run the system up and down a few times to check that it stops when the output shaft reaches the end of its travel.

Position and drill the Cover plate to overlap on top of the Elevator Skin. The edge of the cover plate is approximately 5mm outboard of the rib flange center line.

Feed the 5 wire cable through the Grommet, connect the wires to the Servo using the above table for future reference.