



WINGTIP LENS INSTALLATION

AS FURNISHED TO YOU, THE EDGES OF THE PLEXIGLASS ACRYLIC EXTEND APPROXIMATELY 1/2" OR 1.5cm BEYOND THEIR FINAL FITTED SIZE AND ARE TO BE TRIMMED TO FIT EXACTLY FLUSH WITH THE OPENING ON THE AIRCRAFT WINGTIP. SEE STEPS 1 – 4 BELOW.

AS FURNISHED, THE LENSES ARE ALSO UNDRILLED FOR MOUNTING BOLTS. ONCE THE TRIMMING AND FINAL FIT ARE COMPLETE, HOLES ARE TO BE MATCH-DRILLED TO THE ACTUAL MOUNTING HOLES ON THE AIRCRAFT. SEE STEPS 5 – 6 BELOW

1. REMOVE SCREWS FROM FIBERGLAS WINGTIP COVER (OR OLD LENS) AND PLACE NEW LENS OVER IT. USING A SUITABLE ERASABLE MARKER OR PEN, MARK THE EDGES WITH THE INITIAL TRIM LINES.. THE INITIAL TRIM LINES SHOULD LEAVE APPROXIMATELY 1/8" OR 3mm EXCESS TO THE INTENDED FINAL TRIM LINE..
2. CAREFULLY AND SLOWLY CUT THE LENS EDGES AWAY ALONG THE INITIAL TRIM LINES WITH A DREMEL ROTARY TOOL AND CUTTING WHEEL (DIAMOND IS PREFERABLE) OR OTHER CUTTING TOOL SUITABLE FOR THIN PLEXIGLASS ACRYLIC. KEEP CUTTING SLOW TO AVOID EXCESSIVE HEAT.
3. CHECK FIT CAREFULLY AND MARK NEW FINAL TRIM LINES. VIEW ALL SIDES OF THE LENS FROM SEVERAL ANGLES TO INSURE FIT IS FAIR ON ALL SIDES.
4. MAKE THE FINAL CUT. USE A BELT SANDER OR SANDING BLOCK TO FINISH AND STRAIGHTEN THE TRIMMED EDGES, AS NECESSARY. USE LIGHT PRESSURE ON THE BELT SANDER AND TAKE CARE NOT TO LET THE LENS SNAG ON THE BELT. CHECK FIT OFTEN DURING SANDING...
5. ONCE YOU ARE COMPLETELY SATISFIED WITH THE FITUP OF THE LENS, CAREFULLY MARK THE MOUNTING BOLT CENTERS FOR DRILLING.
6. USING A DRILL BIT SPECIFICALLY DESIGNED FOR DRILLING HOLES IN PLEXIGLASS ACRYLIC, CAREFULLY MATCH-DRILL HOLES FOR THE MOUNTING BOLTS.
7. MOUNT THE LENS USING THE BOLTS WHICH HELD THE FIBERGLASS CAP OR OLD LENS, OR REPLACE WITH NEW, AS NEEDED.
8. TAPE OVER THE ENTIRE SEAM.WITH WHITE GLIDER TAPE

USE CAUTION, LOW FORCES, AND SLOW MOTIONS WHEN USING ALL TOOLS – PLEXIGLASS ACRYLIC IS BRITTLE!