

# PHOTO ASSEMBLY GUIDE: WINDSHIELD



Acrylic Formed Windshield

**7F19-11M**



Installation of the Windshield without the wing bolted to the fuselage.



The Windshield can also be installed with the Root Skin 7V9-1 removed



For a good fit, it may be necessary to enlarge the top cutout to make room for the Cabin Frame.

Detail of the Windshield around the main Wing Spar attachment with the Cabin Frame



Hand grinder to trim edges



CAUTION: Plexiglas is brittle; let the cutting wheel melt its way through the Plexiglas.



Trial fit of the Windshield to the Fuselage.

The Windshield overlaps on top of the Top Window 7F19-1



The side of the Windshield will be screwed to the Side Tubes of the Cabin Frame.



The Windshield is supplied with a protective peel off layer on both sides.



First trim the top to fit the Cabin Frame, check the contour of the bottom edge over the Front Top Skin 7F14-4. Then trim the aft edge that overhangs past the side of the Cabin Frame.



The Windshield is not secured to the front diagonal tube of the Cabin Frame.

The bottom edge of the Windshield follows the curvature of the Front Top Skin.



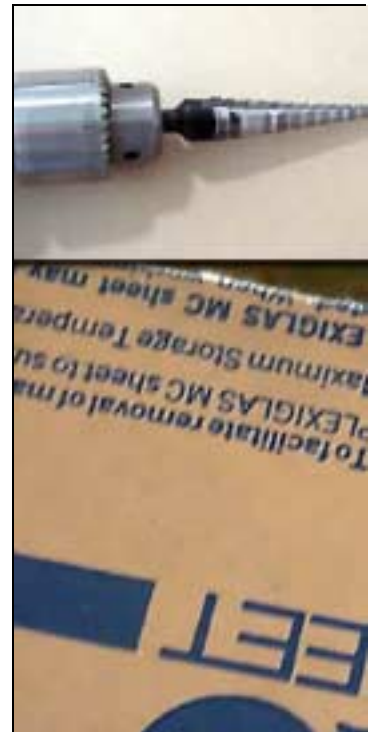
The front edge of the Windshield is over the rivet line through the Firewall.

Seal the bottom edge of the Windshield to the Forward Top Skin with a bead of silicon. In the above photo, a pin stripe was added on top of the silicon bead to give a more uniform finish.

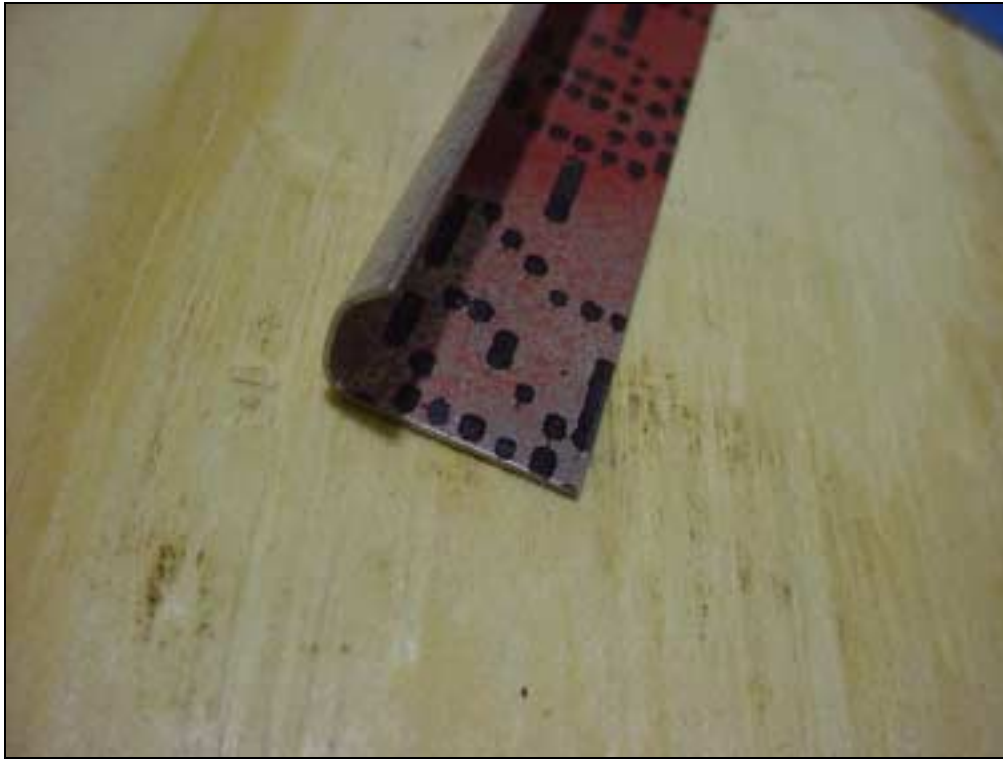


First drill #40 through Windshield into the side tube of the Cabin Frame.

Remove the Windshield from the Fuselage to enlarge the pilot hole. Use a Unibit (step drill) to enlarge the pilot holes.



Install the Windshield to overlap on top of the front of the Door Sill 7F19-12D



**SIDE WINDSHIELD TRIM 7F19-8M**

**TOP WINDSHIELD TRIM 7F19-9M**

Detail of Side Windshield Trim.



**Side Trim 7F19-8M**

The long flange overlaps on the outside of the Windshield, the small flanges point I/B and cover up the aft edge of the Windshield.

Side Trim 7F19-8M





Rear view of the Side Trim



**FINISHING WASHER  
P/N SNW-2012**

**OVAL HEAD SCREW  
P/N SNST18-P**



The top screw also picks up on Door Sill 7F19-12D

The Door Window 7F19-1A and Central Tube 7F19-4 are installed after the Windshield is positioned.



**TOP WINDSHIELD TRIM  
7F19-9M**

View from front, looking down on Top Window

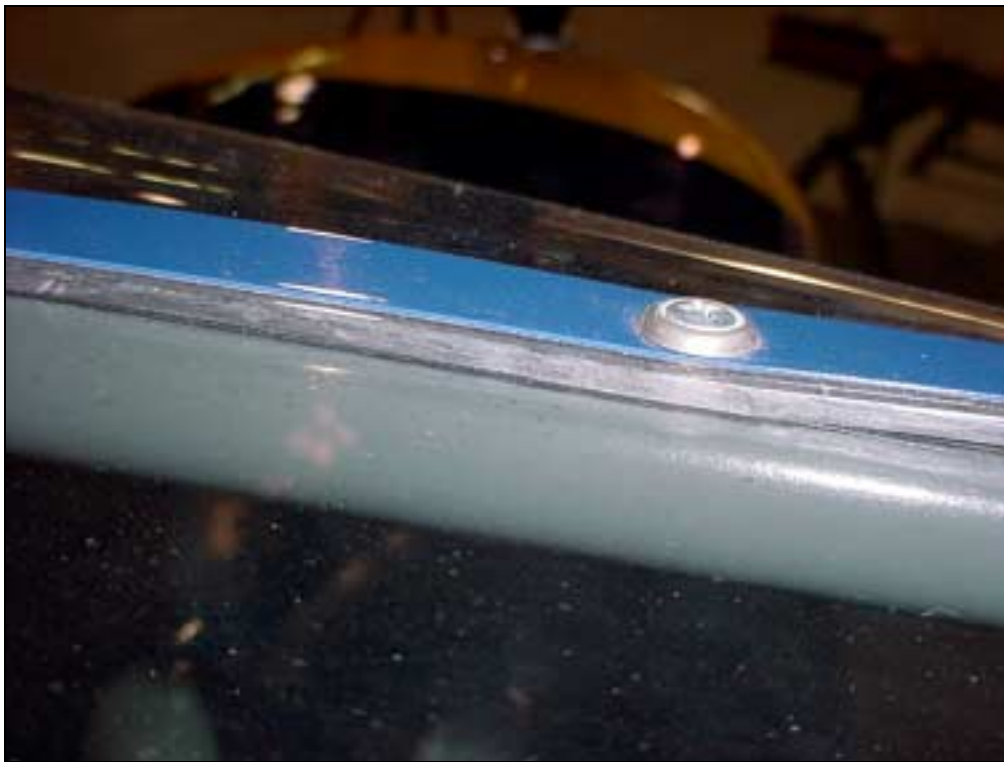


Windshield overlaps on  
top of the top window  
7F19-1

View from rear, looking down.



In this installation, the ends of the top flange of the Windshield do not sit flat on the top window: the first crew is positioned where the Windshield is flat.



Detail of the trim, Finishing Washer and Oval Head Screw.



Pinstripe tape along the bottom edge of the Windshield; cover the bottom edge of the trim and wraps on the side of the Cabin Frame.

Bottom aft corner of the Windshield.



The Door Side 7F19-7D is even with the bottom aft corner of the Windshield.