

Before Starting

PREPARING BRASS The easiest way to remove the brass parts from the sheet they are produced on, is to use rail nippers. The brass is soft and won't affect their future cutting ability. This will reduce or eliminate the amount of filing to smooth the edge. The next best way is with small sharp diagonal cutters that will fit into the small areas between the part and the sheet holding them. *You should always use a file to remove the balance of the tie. This will ensure a perfect fit.*

GLUING BRASS Instant super glues, Cyanoacrylate, CA for short, are very prominent in model building today. They will work perfectly with brass, and they are instant. We recommend a thick CA glue such as “**Zap-A-Gap**” from Pacer Technology. As I have also been building R/C airplanes for over 33 years, I have many airplanes built entirely with CA glue and I can tell you that the wood will break before the glue joint. So it is great stuff! Besides being almost instant, thick CA glues will help create a small fillet and fill small gaps when applied to the inside of joints. Using a toothpick to apply the CA glue works really well for getting the glue into the interior areas and controlling the amount of glue used.

PAINTING BRASS Wash your completed assembly in warm soapy water. If it is really messed up with flux etc. you can clean it with a lacquer thinner first. Baking will set the paint to the brass as well as allowing you to paint over parts of it without the first coat dissolving as you spread on the second coat. *Do NOT bake the model if you used CA glue for construction.* One nice thing about painting on brass, if you don't like the paint job you can use paint remover to get rid of it and start again without hurting the brass. If you are going to paint the tower with alternating colors, it is best to paint the structure first before final assembly.

Step #1 – Assemble Tower

The Tower is a three-sided structure that is a one piece etching. The three side panels are joined with tabs that are half etched to create a bend line. Fold the tower structure with the bend lines to the inside of the fold. The structure will fold into a triangle with one seam. If the structure has already been painted, it is best to use CA Glue for the seam. Secure the seam now.

To join multiple sections together, it is best to solder the joints at the corners. If using CA Glue, the builder should place a small length of wire on the inside of the corners spanning the joint for reinforcement.

Step #2 – Adding Antennas

Select which of the two shaped antennas you will place at the top of the tower. Secure the selected antenna to the tower. There are also whip antennas provided with the tower that can be added anywhere on the tower.

Step #3 – Placement on Layout

Depending on the selected height, the builder may have to use guy wires as on the prototype. Wires will usually be placed at each of the corners from multiple heights on the tower to a single point on the ground. Thread used by upholsterers works well for this.