

Severn Models Assembly Guide for Brass Etched Kits

Thank you for purchasing this kit from Severn Models, I hope you will enjoy building it!
Before you start building your model, please take a moment to read through this guide, and identify each of the components before cutting them from the sprue.

This model kit contains very small metal parts which may have sharp edges/corners. It is intended for adult model makers & collectors only. Please keep it out of reach of children at all times, including after assembly.

Tools

You will need the following tools to assemble the kit. These and others are available by mail order at www.SevernModels.com :

- Small model makers side-cutters
- Needle files – flat and half-round
- Tweezers
- Small needlenose pliers with flat jaws
- Fine sandpaper (400 or 240 grit)
- Scriber or cocktail sticks to dispense glue accurately
- Metal ruler (useful to attain crisp folds in the brass)

Adhesives

- All areas to be glued will benefit greatly if both the surfaces have been lightly abraded with fine sandpaper.
- Whatever your choice of glue, always follow the adhesive manufacturer instructions.
- Superglue / Cyanoacrylate works well for parts which can be fixed accurately without need for re-positioning. It dries instantly especially if under pressure, including to human skin, so use sparingly and cautiously to avoid this.
- Epoxy resin glue works well for parts which may require re-positioning while the glue dries.
- Small dots of glue can be applied exactly where you need it with the tip of a scriber or a cocktail stick.
- Thin superglue can be applied by capillary action into pre-assembled joints for very accurate alignment. Hold the joint together with clamping tweezers or a clothes peg, then add drops of superglue to the join with a cocktail stick.
- If you have experience of soldering, the models can also be assembled using this method.

Guidelines

- Identify all the components by using the plan before cutting them from the sprue.
- Work over a table, cutting mat, or tray. This will keep all the small parts together and avoid losing them on the floor if they get dropped.
- Cut through the tags that hold the parts to the sprue by using small side-cutters. Do not attempt to bend/break them out. Cut the tags of larger pieces first, as this relieves tension across the sheet, so more delicate parts are not bent in the process.
- Use needle files to remove any remaining tags from the parts, taking care not to bend the components or file away any detail. Small parts can be held in flat-jaw pliers if necessary.
- Some components curl up a little due to lots of detail on one side of the sheet. Gently flex the part back the other way to flatten it if necessary.
- Review the assembly guide drawings specific to your model.
- Fold lines are etched into the surface, usually on the back. Crisp folds can be attained if you grip one side of the fold with needlenose pliers, then using a flat surface such as a metal ruler, gently press the fold round to the required angle. This keeps the pressure at the fold, rather than bending the part. Take extra care where windows or other cutaways are near to the fold line.
- Before folding, check what angle you are bending to. The brass can withstand minor re-bending, but may fatigue and break with repeated bends in opposite directions.
- Always try a dry assembly with each component to check fit and position, before glueing.

Painting & Window Glass

- Gently wash the model in warm soapy water before painting. An old soft toothbrush is useful to get into the corners. This cleaning helps the primer stick properly.
- I prefer acrylic based spray primer, and acrylic paints available from model shops. I usually use white primer, then if the model has windows, and the window frames are to be white, I don't need to paint them again with a brush.
- Observe real buildings/photos to decide your colour scheme. Bricks and tiles come in many different shades, and you can add realism by picking out odd bricks in a slightly different shade.
- Applying thin washes of very dilute colour or ink is also effective, as the wash clings into the surface detail giving shadows. Highlights can be added by drybrushing.
- If the model has windows, cut the supplied acetate sheet to suit them. This is fitted inside the building after painting.

Feedback

Got an idea for a new model? Send me your thoughts, the most popular requests may just get added to the range!

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