

## Window Kit Assembly Instructions

This kit contains all the parts required to build all the wheelhouse windows.

Each window is assembled from five parts made from 'tight tolerance' Perspex giving a consistent thickness of material throughout. This accuracy enables the details to be engraved on the surface of the Perspex before the part is finally cut out. The laser produces a relatively smooth, 'polished' edge to the parts.

Whilst building is straightforward, it is not something that should be rushed. The key to getting a perfect result lies in the method used to glue the parts together. The correct glue to use is Plastic Weld.

Some of the thinner parts may have a slight curve caused by the engraving process. Following the recommended assembly sequence will ensure that the windows will lie perfectly flat.

The pieces are relatively tough but they are thin and should be treated as fragile. If one is broken it is easily 'invisibly repaired' using Plastic Weld adhesive but glue marks on the finished surface will spoil the part irreparably so do take care.

Separate parts can be supplied if the worst happens and if you need any advice, e-mail me at [speedlinemodels@googlemail.com](mailto:speedlinemodels@googlemail.com)

### Get To Know the Parts.

#### NOTE:

**Check that the Perspex sheets do not have a thin plastic film on the back protecting them. If they do, this must be peeled off the part or else the glue will not stick the parts together.**

The windows are supplied in their 'mother' sheets.

Identify the 3mm thick sheet.

This sheet contains both the 'Inner Frames' (D) and the glazing (E).

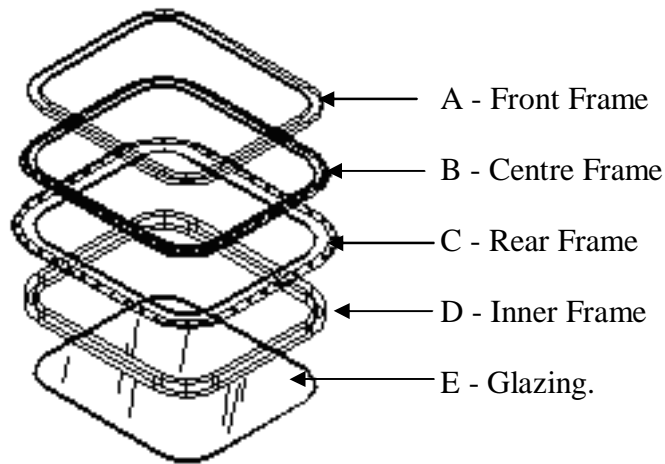
The centres of all the other window frames can be discarded.

When all the parts have been removed, sort them out into sets for each window. **MAKE SURE** the engraved surfaces are uppermost on all parts of the windows.

Every window comprises of five parts, four make up the window frame and one, of course, is the glazing. The five parts are referred to in the instructions by the letters A, B, C, D and E.

The illustration below shows an exploded view of the window components and their description.

Looking carefully at parts B and C, you will see that in addition to the screw heads detail, there is a fine line inside the row of screw heads. This line is only there as a guide during assembly and will not show when the windows are assembled.



### Tools You Will Need

All the parts are accurately engraved and cleanly cut, they require very little finishing, possibly just a light touch with 800 grade wet and dry to remove any remaining wisps of Perspex. No shaping or cutting is required. All you will need is a flat surface to work on, (preferably covered with black or a dark coloured paper to help you see the clear parts more easily) and the appropriate glue.

If you find that a part does not fit correctly, recheck what you are doing. With this method of manufacture, it is most unlikely to be the kit that is wrong. There is no 'tolerance' on the parts.

As I have said, the key to getting a perfect result is in the method used to glue the parts together. In the first instance, using the correct adhesive is vital. 'Plastic Weld' is recommended and is readily available from any model shop. Plumbers sell glue for joining plastic pipes and this works very well too.

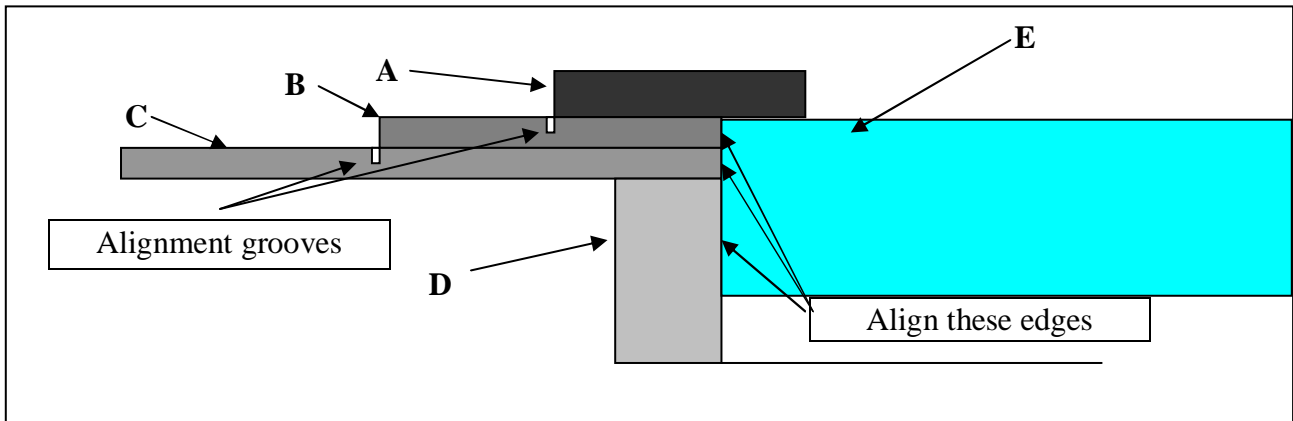
The best way to use the glue is to use the smallest amount of glue possible and only apply it to the edges. This way, capillary action will ensure the glue reaches the surfaces to be glued together and the risk of spoiling the surface detail is very much reduced.

The technique is:

1. Place part C on a flat board with the engraved face upwards.
2. Position part B, engraved face upwards, onto part C aligning the fine lines and hold in place with a suitable small tool such as a small screwdriver. Using a small brush (1 or 2) apply the Plasticweld to the joint. You will see the glue 'flash' around the joint under capillary action. Wait a few seconds and release the part.
3. Position part A onto part B. Check that part E will go through the both parts C and D when they are assembled by doing a dry run.
4. With part E removed from the frames, glue part B to part C using the same gluing technique.
5. Position Part A onto part B and blue into place.
6. Remove the frame at this stage and turn it over. Glue part D into place when satisfied the part E fill fit correctly after you have glue part D to the underside of part C. \*check there is no film on the part.

7. When parts A, B, C and D have been assembled, spray the window frames an aluminium colour.
8. The illustration below shows a cross section through a typical window. It shows the position of each part and its correct alignment.
9. Fit the glazing into the painted window frame and secure with a little glue. Be VERY carefeul now.

All the windows are assembled in the same manner.



The windows can be fitted to the wheelhouse using your favourite glue but, make sure they are accurately aligned. I use clear Silicon glue because it can't mark the glazing, is strong and waterproof.

When aligning the windows, use masking tape as a guide along the lower edges of the windows, don't rely on your 'eye'. Trust me, I've don't it!

I'm sure you will like the results of your efforts and thank you for buying these unique windows.

Adrian Gosling

### Speedline Models

Windsor End Cottage, Windsor Street, Burbage, Leicestershire LE10 2EE, 01455 637658  
email: speedlinemodels@googlemail.com