



Extra instructions and useful tips for making the Paper Organ Kit

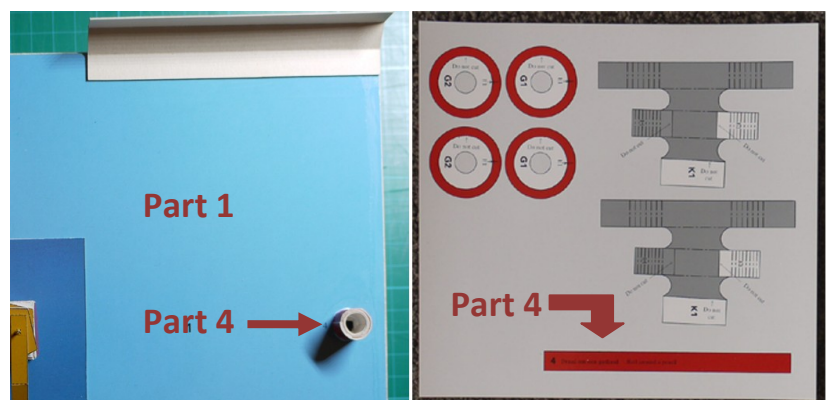
This is how your Paper Organ Kit should look when you have finished it. Good luck!

The kit comes with a comprehensive instruction sheet with diagrams. It also comes with this additional support sheet. **It is important to keep referring to this support sheet, particularly at times when you do not understand the main instructions.**

In general, very light grey areas are to be cut out. Plain white areas could be part of the template. On the card shown below, the 4 white squares are part of the construction, but not labelled in any way. There is a thin grey strip near each square, and only this should be removed:



Please note that card **part number 8** has no number on it and appears to be 3 pieces when, in fact, it is only one piece



Part number 4 is a red strip that is cut out and wrapped around a pencil, then glued to form a combined pipe and spacer between the organ base (part 1) and the rollers/reed/pipe assembly (fixed together on part 8). Cut strip 4 wider than marked, assemble and glue; rest roller assembly onto support parts (D1 and D2) and hold the tube/spacer to see how high it needs to be and trim as necessary; glue tube onto base, then glue top of tube before fixing roller assembly onto D1, D2.

Possible confusions

Instruction 10 shows folded out edges on its drawing. Note that these have to be scored on the non-picture side – described as ‘internal folds’.

An asterisk (*) means there is additional information to read – usually below an instruction image. For example, instruction 13 mentions two paper strips and there is an asterisk (*). Below the drawing is another asterisk with details about the paper strips.

Instruction 27 says stick part 15 to part 14, but part 14 is showing upwards as part 15 and part 15 is the play/pump plate.

Instructions 28 through to 32 may seem not make sense, at the point of final assembly, as the expected air way appears blocked. However, just follow the instructions and the organ will work.

Printer's Errors

1. **Part D1** has a score line missing. Please score as for D2.
2. The dotted circles on **parts G1 and G2**, referred to in stage 8, have been printed as continuous circles.
3. The bellows referred to as unprinted sheets are printed on one side and labelled T1 and T2.

Gluing

My recommendation, for the main construction, is to use a ‘tacky glue’ for paper, such as a quick-dry adhesive with a very fine applicator nozzle. I also recommend having a small hot weld glue gun, which can be very useful for sealing tiny air holes, once the project is complete.

1. Use a generous amount of glue, applied in a continuous strip, on the joints where an airtight seal is required. Air leaks have a tendency to occur in corners; these can be prevented by adding a blob of glue to the inside of finished corners during construction, or where this is not possible, taking care to ensure enough glue is applied to fill any gaps which may occur. Gaps usually become apparent on first use of the organ, when pumping the bellows fills the system with air and you can hear hissing anywhere that the air is escaping from. A main area is under the organ in the corners of the feet where they meet the main body. This is where a glue gun is handy and also an area that will be hidden, once the work is completed.
2. When the roller assemblies are installed at stage 11, make sure they are free running.
3. Smooth the faces at the edges of parts G1 and G2 after cutting them out, so they don't catch on the music roll.
4. When gluing part 9 to tabs of H1, H2, J1 and J2, ensure that they stay perfectly flat.

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