LCC Modelling System

Small signal box interior kit in 7mm scale

All drawings are not in scale. Some proportions on drawings may differ from reality.

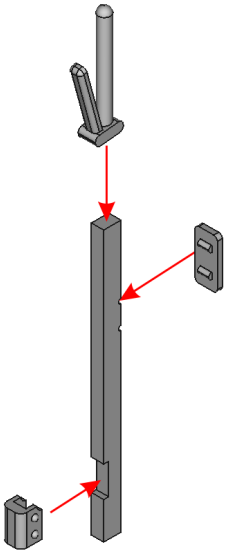
For additional elements for modification and extension please visit our website at www.lcut.co.uk or email us at contact@lcut.co.uk

! We recommend cyanoacrylate glue or epoxy resin. Plastic weld types of glue as well as MEK will not work on resin. This kit contains parts made from 3D printed photosensitive resin. Care has been taken to make sure they are all clean but if there is any residue it can be wiped off with some IPA or methylated spirit. Do not expose the plastic parts to excessive sunlight before painting to avoid over curing them. Everything can be painted with either enamel or acrylic paints. Spray paints can also be used.

Kit contains:

- Block instrument shelf kit
- Lever frame
- 20 levers (4 extra spares)
- 2 instrument bells
- 2 Instrument indicators (1 large and 1 small)
- Stove with flue pipe and H pipe
- Coal box
- Desk
- Stool
- Armchair
- Wall clock
- Token instrument
- Level crossing gate wheel

LEVERS



Each lever consists of 4 elements. One laser cut lever shaft and three 3D printed parts. Start by gluing in the shaft into the handles making sure to do it in correct orientation and that they are straight. Once glue is dry gently break the lever and handle from the supports. Break off the plate and cleat off, fettle the support joints and then glue to the lever shaft.

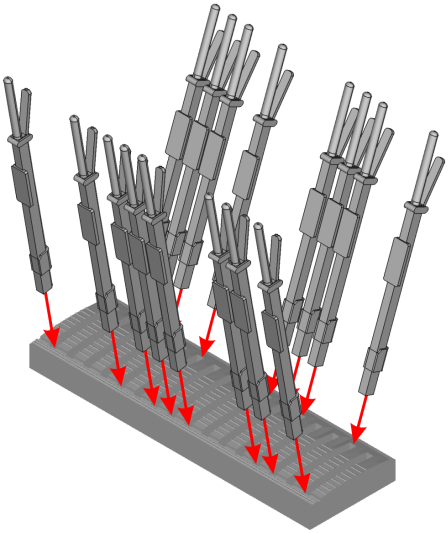
INSTRUMENT SHELF AND LEVER FRAME

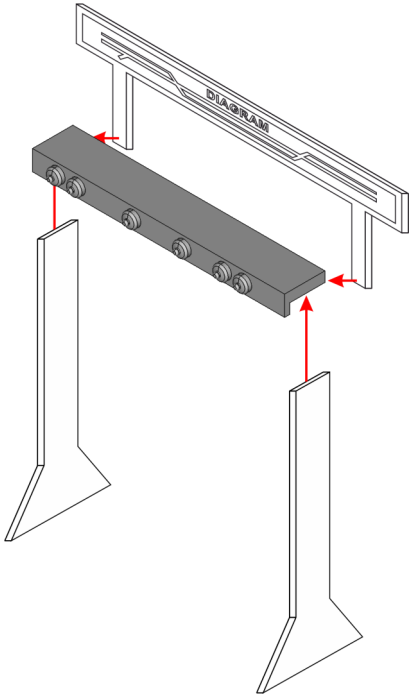
Cut the legs out of the laser cut fret and glue them to the 3D printed shelf using cyanoacrylate glue or epoxy resin. The diagram can be glued to the back of the shelf or hung from the celling. Depending on the available space in the signal box it may also be glued to the back wall.

To complete the shelf glue the provided bells and indicators to the shelf using cyanoacrylate glue or epoxy resin. The indicators need sanding to remove support remnants on the bottom of the parts

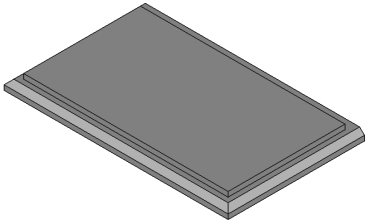
Using cyanoacrylate glue or epoxy resin glue levers into the slots in the frame. The frame has a lowered section on one of the sides and that should be facing the windows. Ensure the levers are glued in in the right orientation.

The small and large indicators require a bit of sanding on the bottom where they were attached to supports. The large indicator also needs sanding on the back.



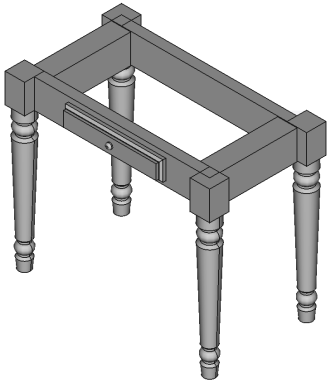


DESK



Parts for the desk require sanding before assembly. Any places with support remnants need to be sanded until smooth. After sanding wash the parts in cold water to wash the dust away. Avoid breathing the dust.

The desk top has no chamfer on one of the longer sides (the side where it needs sanding). That unchamfered side should face the wall opposite the face with the drawer.

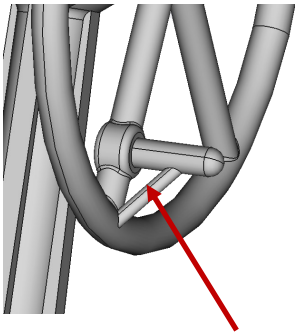


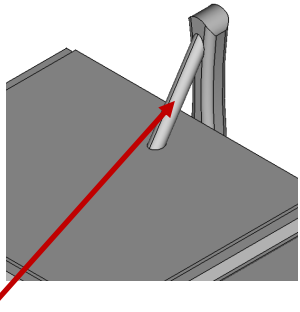
ARMCHAIR

The armchair requires a little bit of sanding on the bottom of the legs, underside, as well as the underside of the arm cushions.

CROSSING WHEEL AND COAL BOX

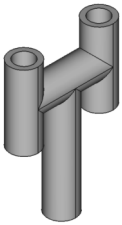
Both the level crossing when and coal box have supports that protect thin parts for shipping. Those need to be removed by VERY gently filing them away. The bottom of the coal box also needs sanding to remove support remnants. The crossing wheel has support revenants that need to be removed on the bottom of the base as well as the wheel.

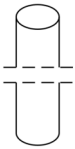




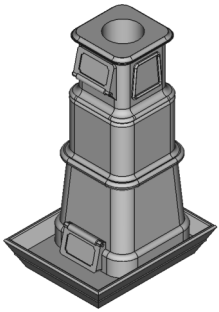
Remove supports

STOVE





The H pipe requires a little bit of sanding on the bottom surfaces where it was joined to the supports. The H pipe needs to be sanded to the correct angle for the roof (or a hole drilled through tiles).



Clock, stool, and token instrument do not require any sanding or pre assembly.