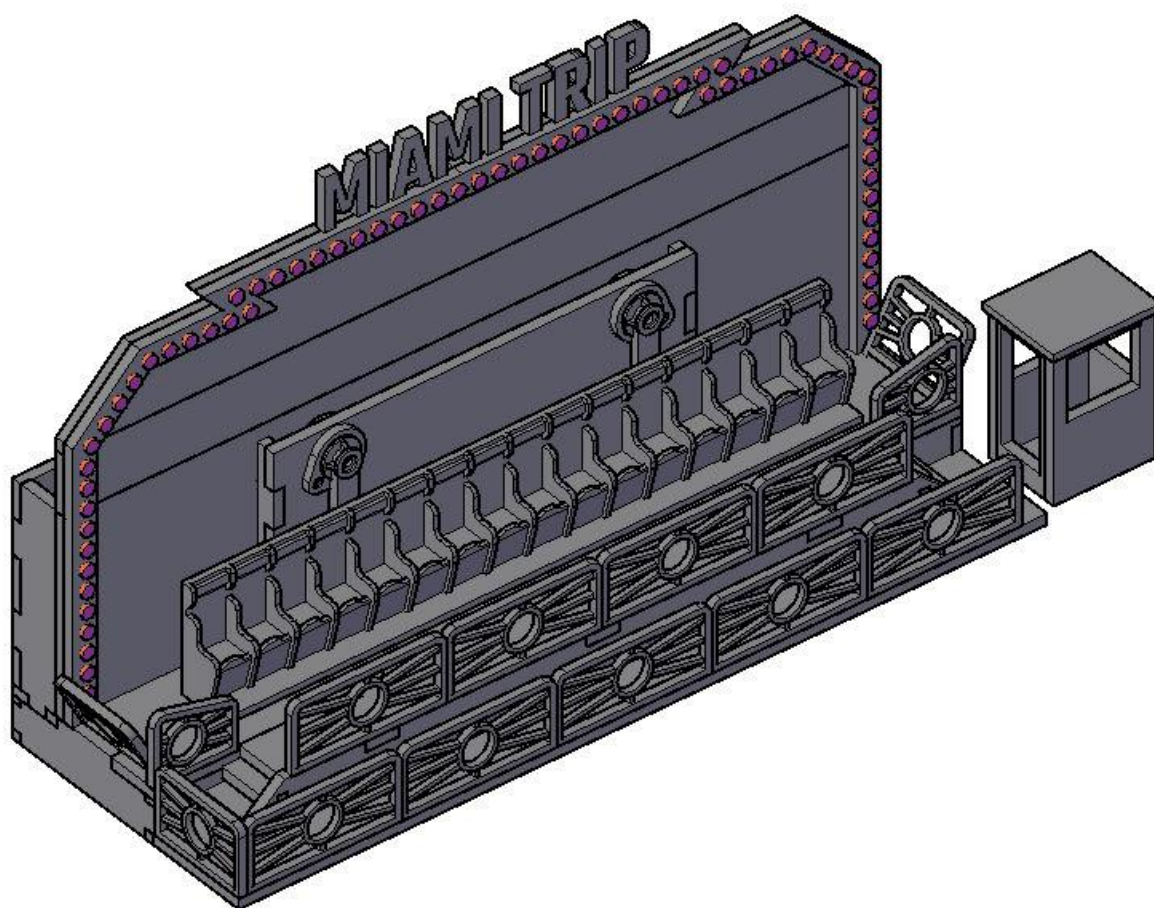


1:76 scale MIAMI fairground ride

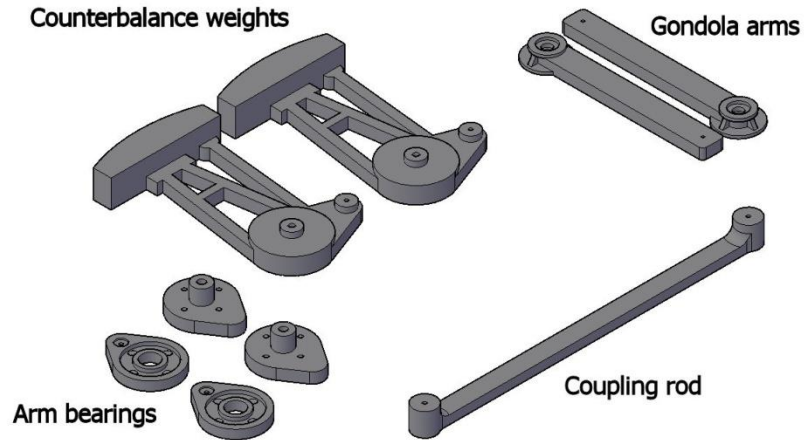
MDF Kit

Assembly Instructions



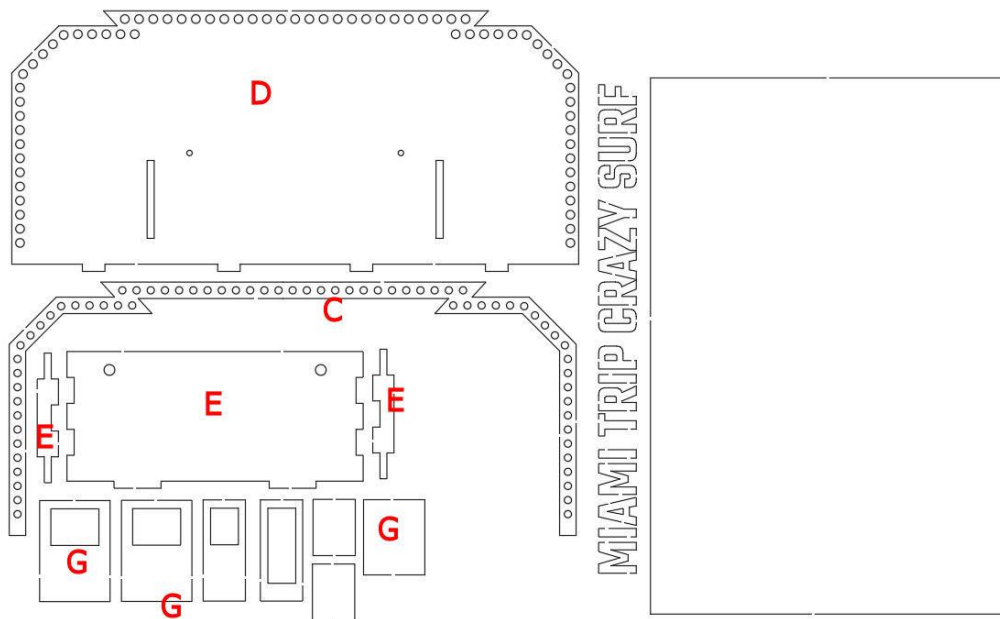
Parts list,

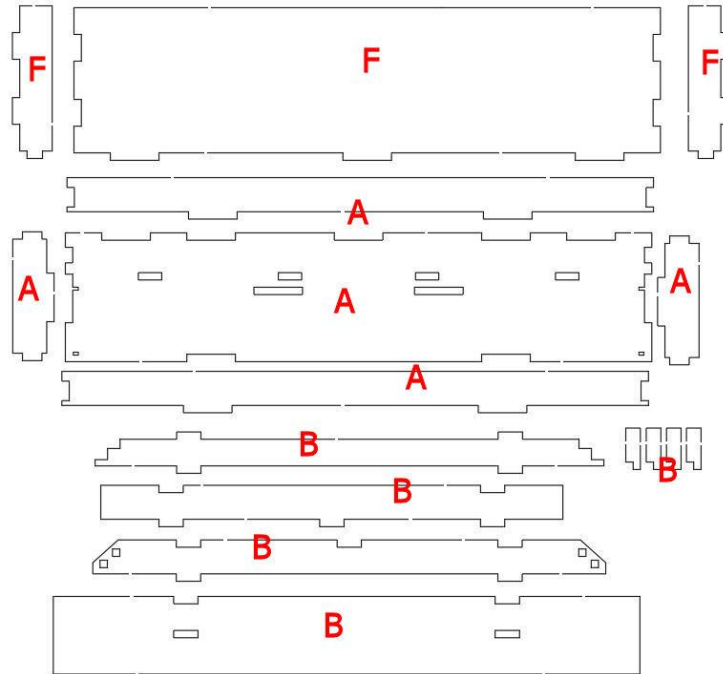
Use thin dress makers pins through holes when gluing to align parts



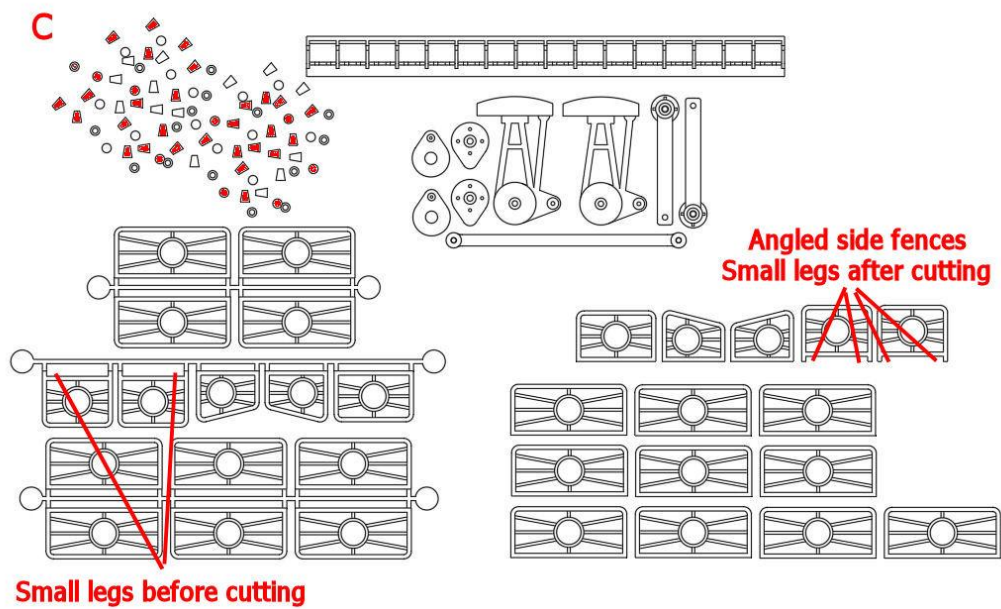
Note some holes in parts may need enlarging to suit

Cut small tabs with a snap off blade knife or similar to release parts from boards





Plastic parts, the simulated lights are cut from red acrylic and printed parts are PLA



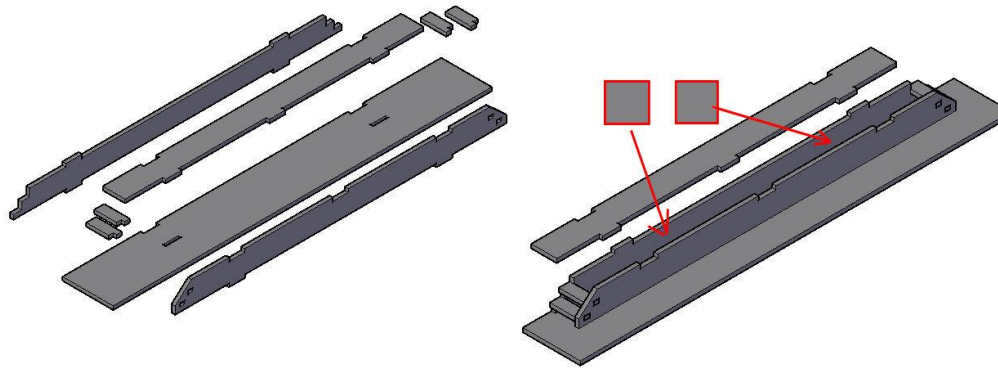
Panels on left before cutting off sprue and separated on right

Steps and walkway assembly

Parts B

Assemble 2 upright walls with top walkway; keep the walls straight up until dry,
glue 4 steps in after

Uprights can fit in either side so make sure you fit them the right way see picture

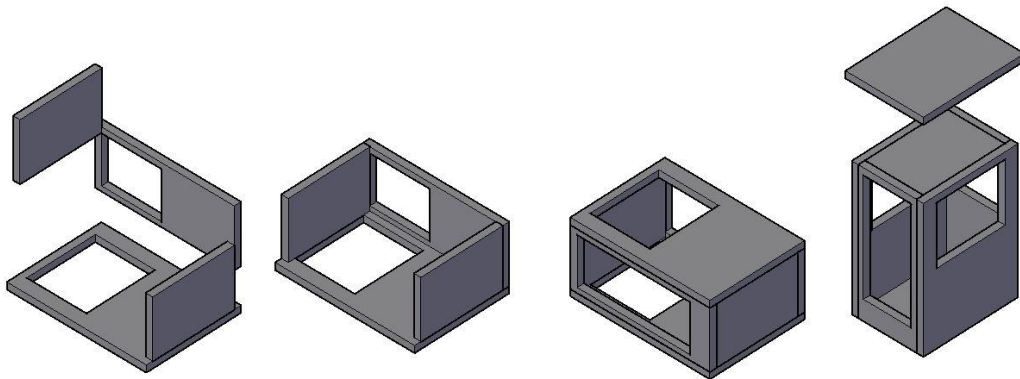


You could glue some 6mm x 6mm square pieces of card inside to help keep this square when building if needed

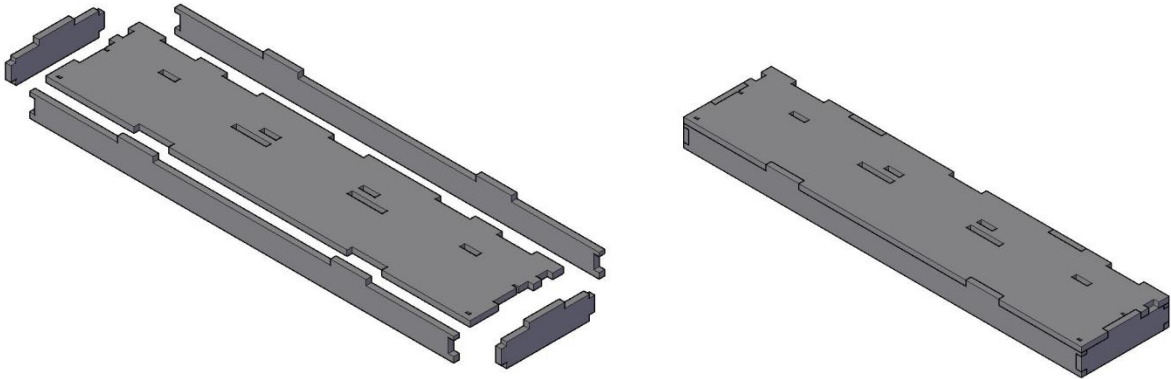
pay box assembly Parts G

It is easier to assemble one of the wider sides flat down, fit 1 thinner side wall on top of this flush with the edge followed by the smaller top and bottom pieces flush again.

Fit other sides then fit the big roof piece so it overhangs all the way around

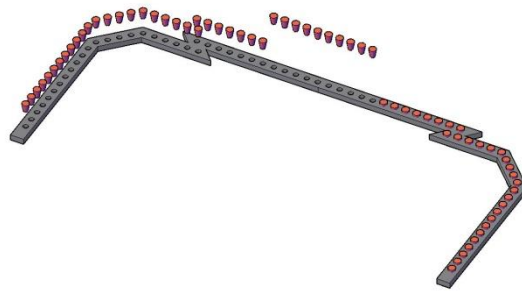


Main platform assembly Parts A

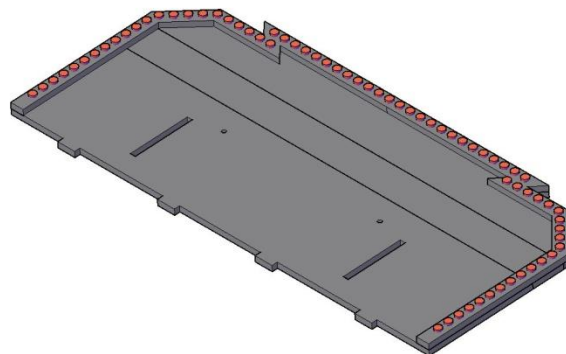


Backboard structure and simulated lights assembly Parts C and D

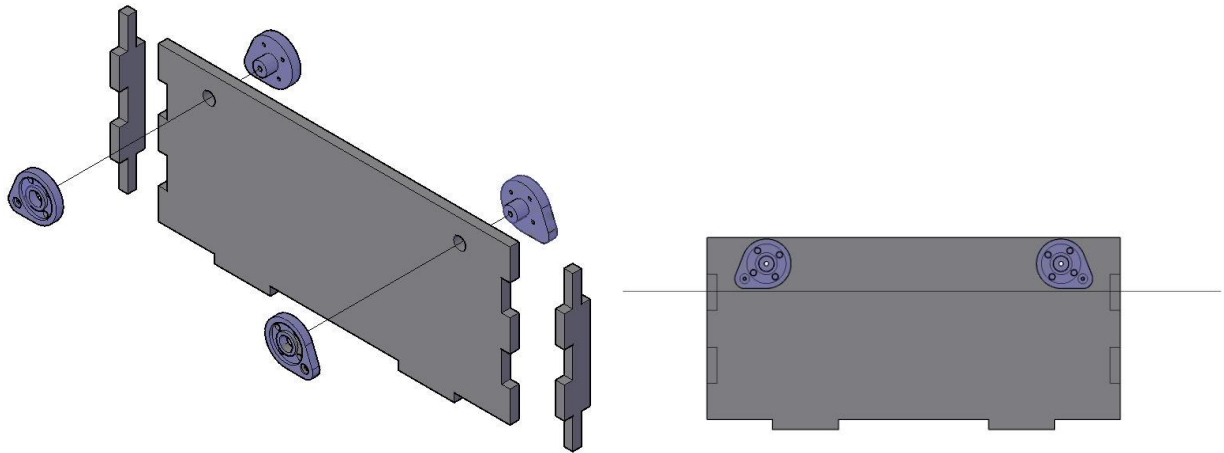
With the light rail flat on a surface, glue the small lights in with a dab of superglue, glue them in tapered towards the holes, glue on a non stick surface such as wax paper or keep lifting so it doesn't stick down, they may be tight or slack as these are laser cut so can vary slightly



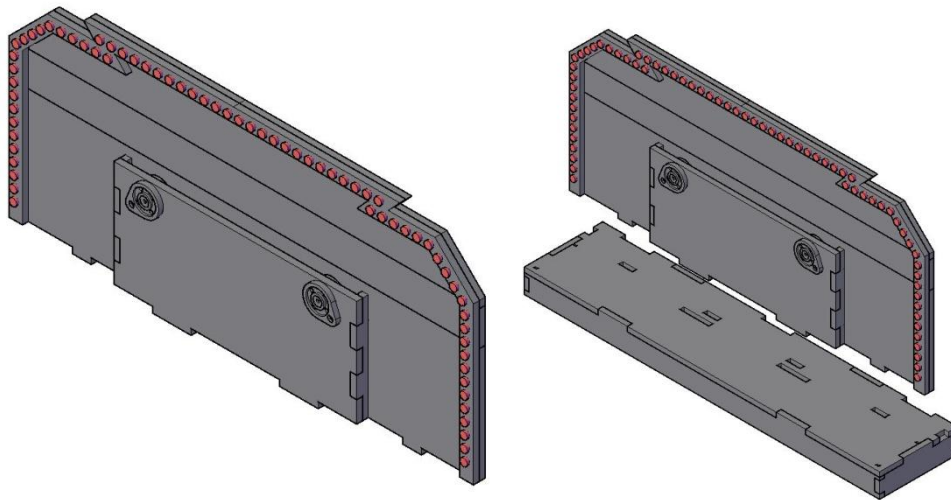
Glue the finished light bar onto the backboard



Glue the bearings on the inside and outside and assemble the housing, fit bottom of bearings so they look straight (right picture)



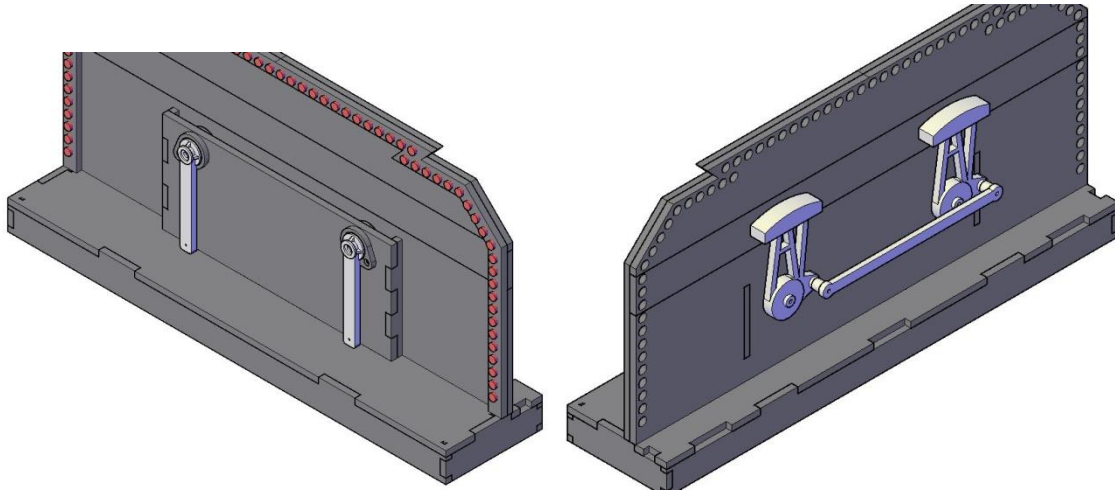
Glue this assembly to the main back board



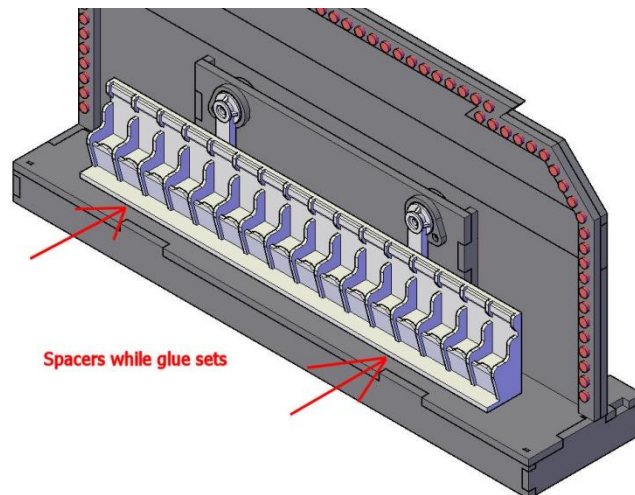
Glue the backboard assembly into the base, keeping perpendicular to the base

The arms can be glued directly on to the bearings and the counterbalance weights glued to the back board, the arms point down and the counterbalance weights point up, use a pin through hole to keep parts aligned

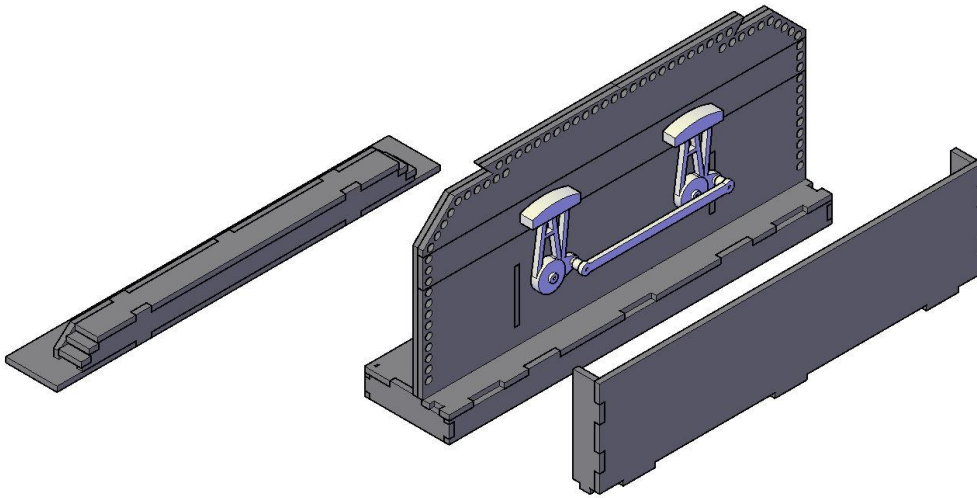
The coupling rod can now be glued on to the weight cams



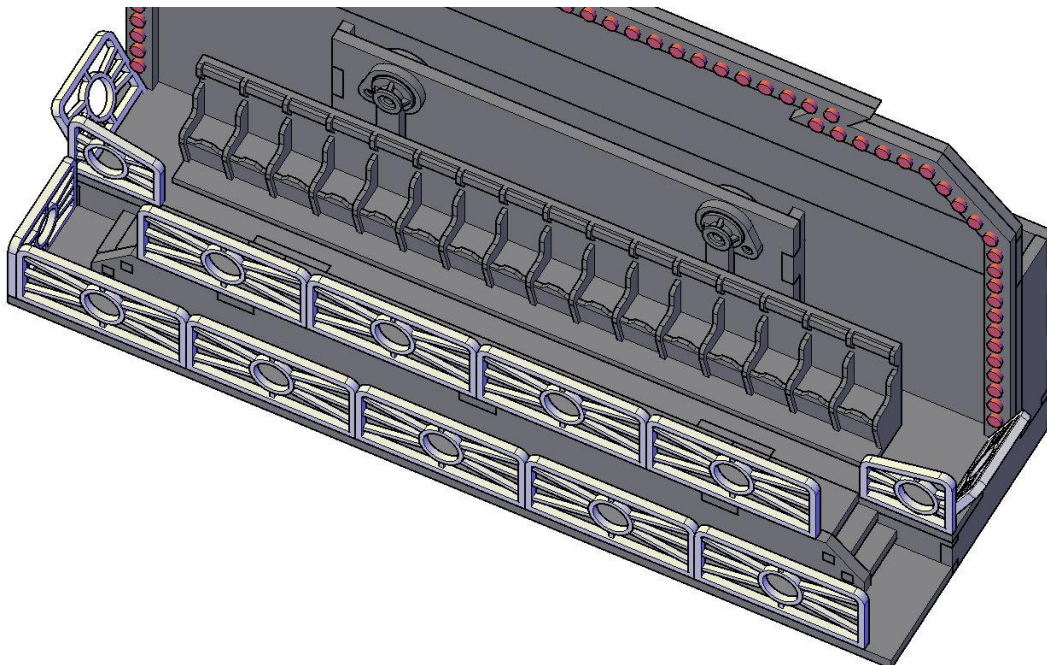
Now glue the gondola centrally onto the arms, sand surfaces flat and glue to the arms using a few 1 to 2mm spacers under the gondola to lift it slightly from the floor – remove these once the gondola is firmly stuck



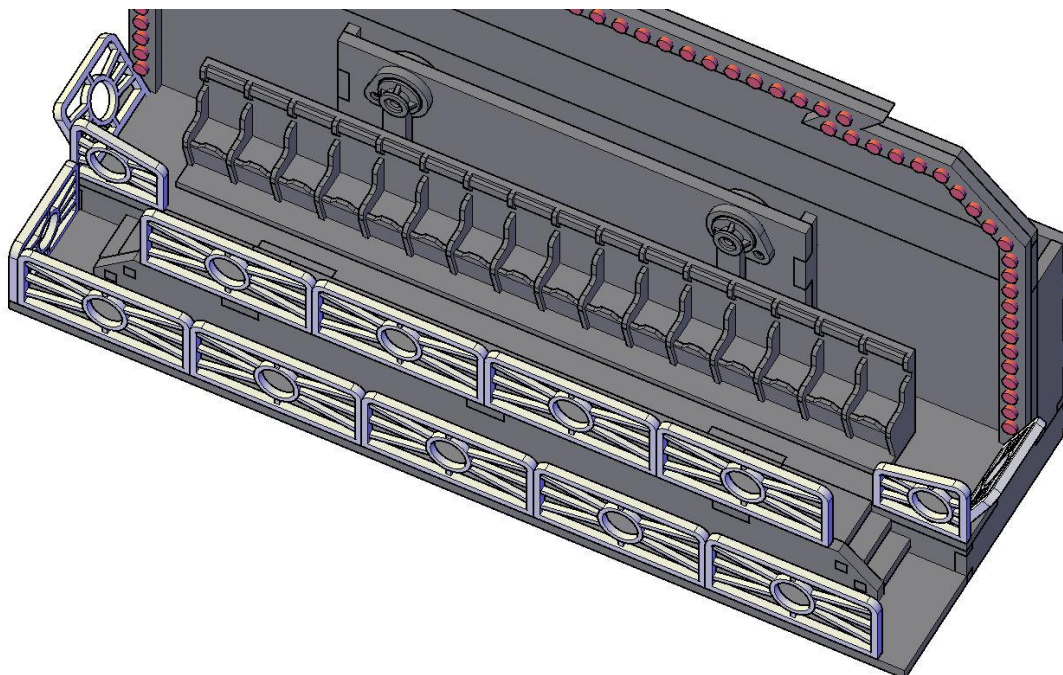
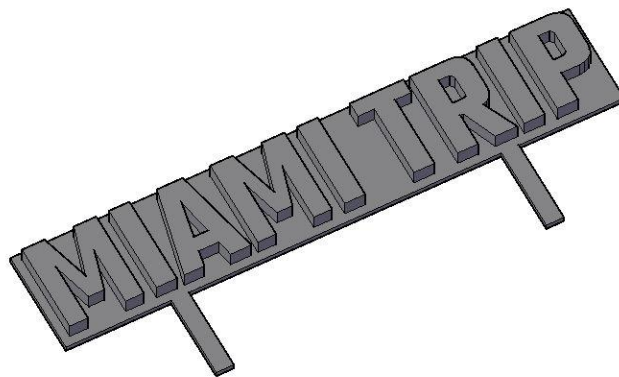
The rear cover can now be assembled; this is either glued in place or left loose held with blue tack etc so it can be removed.



Fit the fences with superglue or epoxy, when cutting the fence parts be aware that the 2 angled side fences have small legs to locate in holes, the rest are just flat bottomed, fit the upper 4 fence panels central to the steps.



Finally glue the letters of choice on top or use a piece of card if it is easier for you



Working with Laser cut MDF

If you are new to this type of kit then the following may be useful

The burnt smell is common on all MDF laser cut kits; you can wear gloves if you are concerned about getting charcoal marks on your hands from the edges or the burnt wood smell on your hands

You may wish to spray a primer/undercoat on the sheets before cutting out pieces or if you would rather undercoat the model once assembled.

Cut the holding tabs to free the pieces with a sharp utility knife, snap off blades are good.

File the remnant of the holding tabs with a sanding block or fine file

Make sure you undercoat the burnt edges; you may need more than one coat of primer/undercoat to seal the MDF

You can paint the parts before assembly but either way make sure the parts easily slot together, if not don't force them as small parts easily break – if they are a little tight then file the slot open more.

Once you are satisfied with the fit apply a wood glue or suitable glue and allow parts to set where needed before commencing the rest of the model.

You can use a small stiff bristle brush or old toothbrush to aid removing excess glue as you work, just have some water and a rag to keep cleaning your brush as you go.

Any gaps or places you need to hide the tab edges coming through slots just use ready mixed wood filler and sand/undercoat.

Some edges on corners etc can be made more attractive if rounded slightly with a sanding block or sanding sponge block before painting.