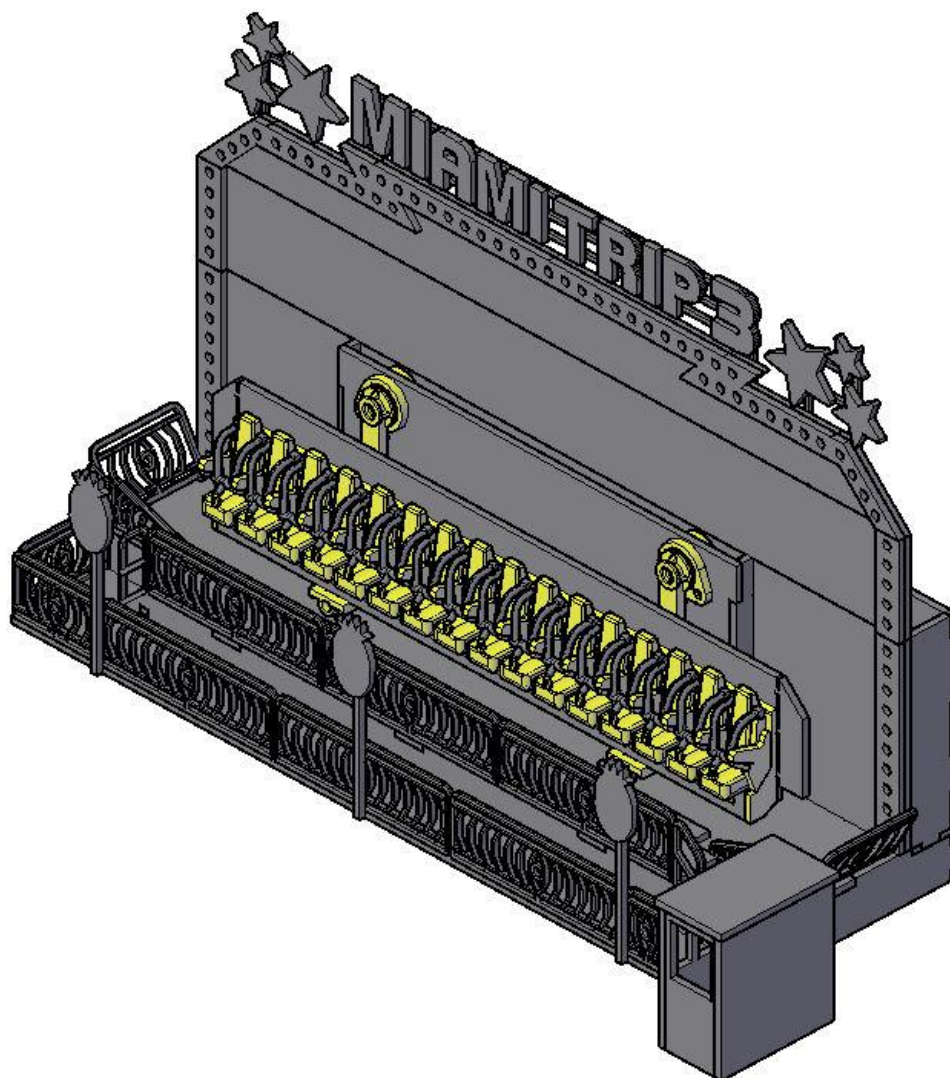


1:50 scale MIAMI TRIP 3 fairground ride modern moulded seats design

MDF Kit

Assembly Instructions



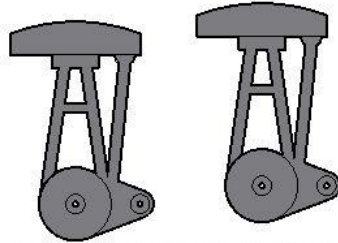
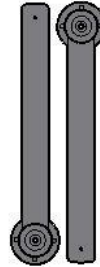
Parts list,

Plastic tube supplied for pivots – upgrade to 2mm brass rod if attempting to motorise

Gondola pivot bearings x 2



Ride Arms



counter balance weights

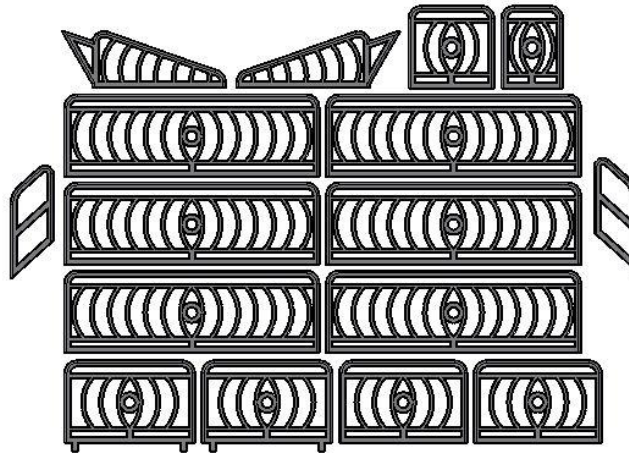


Weights connecting rod



Arm bearings

Fences and handrails

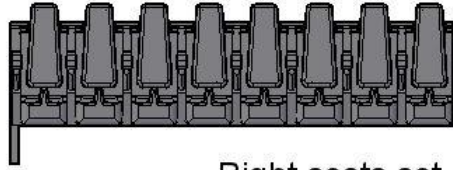


Top sign frames

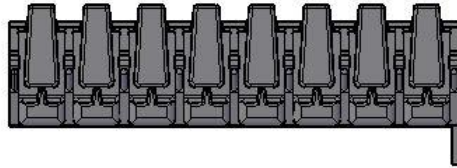


Seats and restraints are printed in resin
so can be a little brittle, handle with care

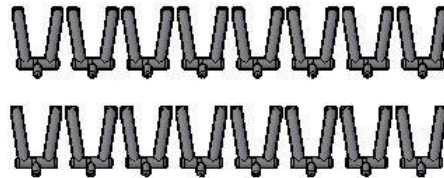
Left seats set



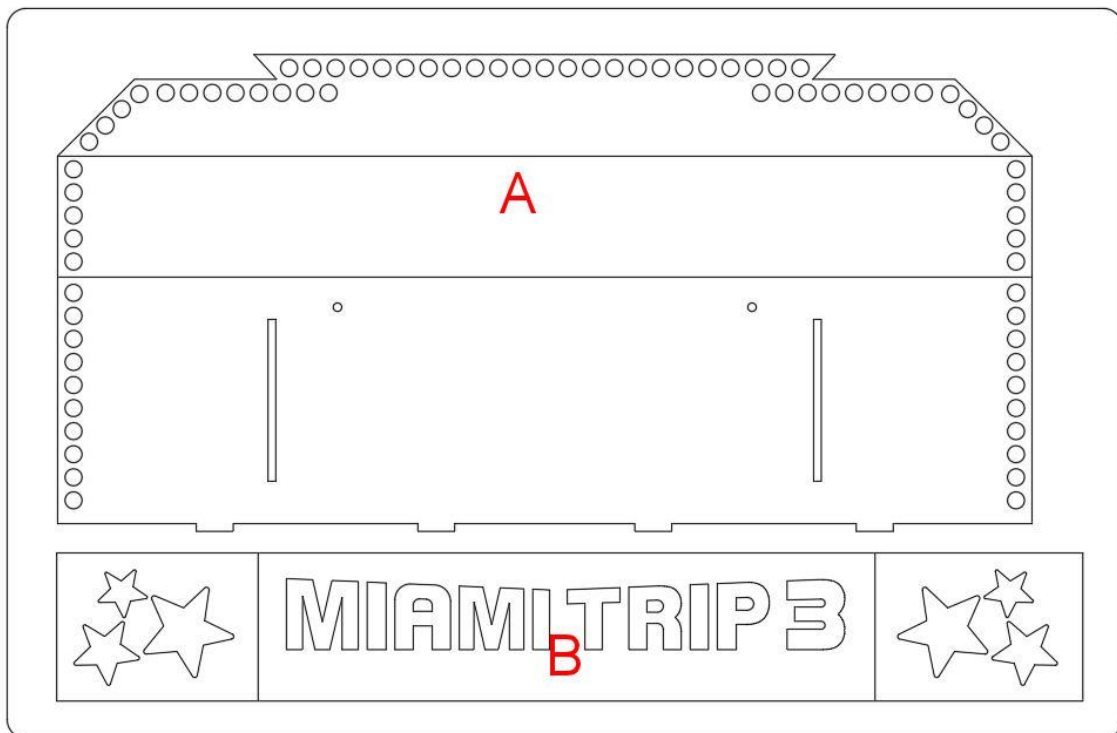
Right seats set

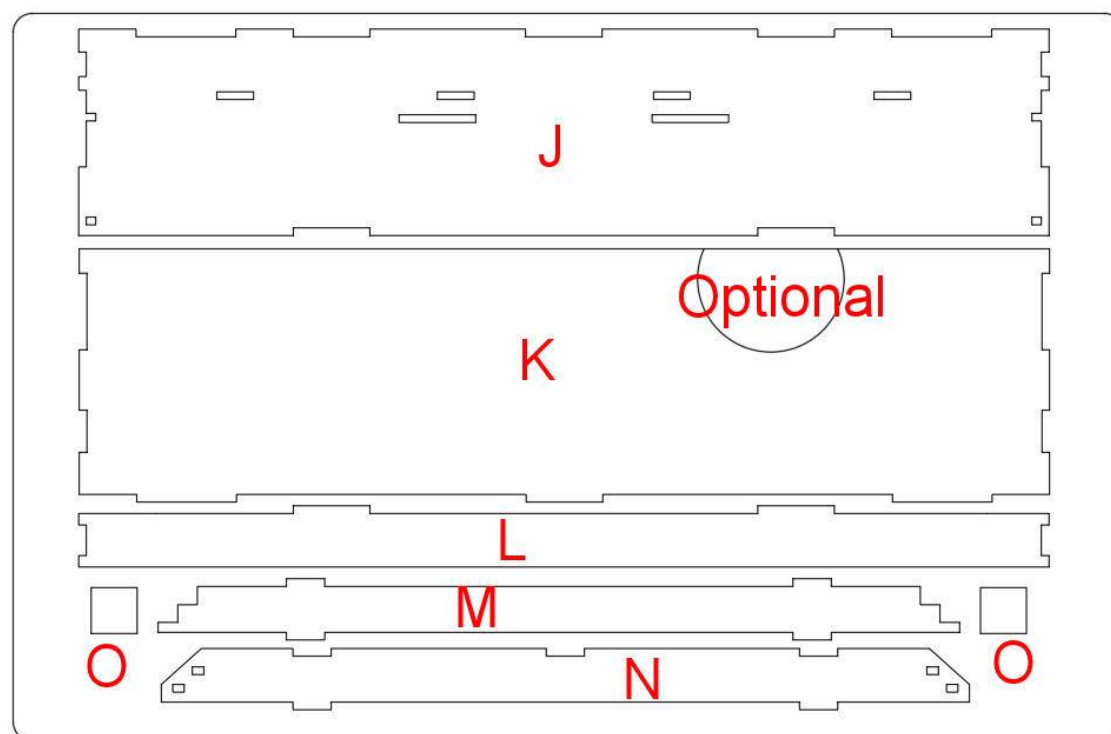
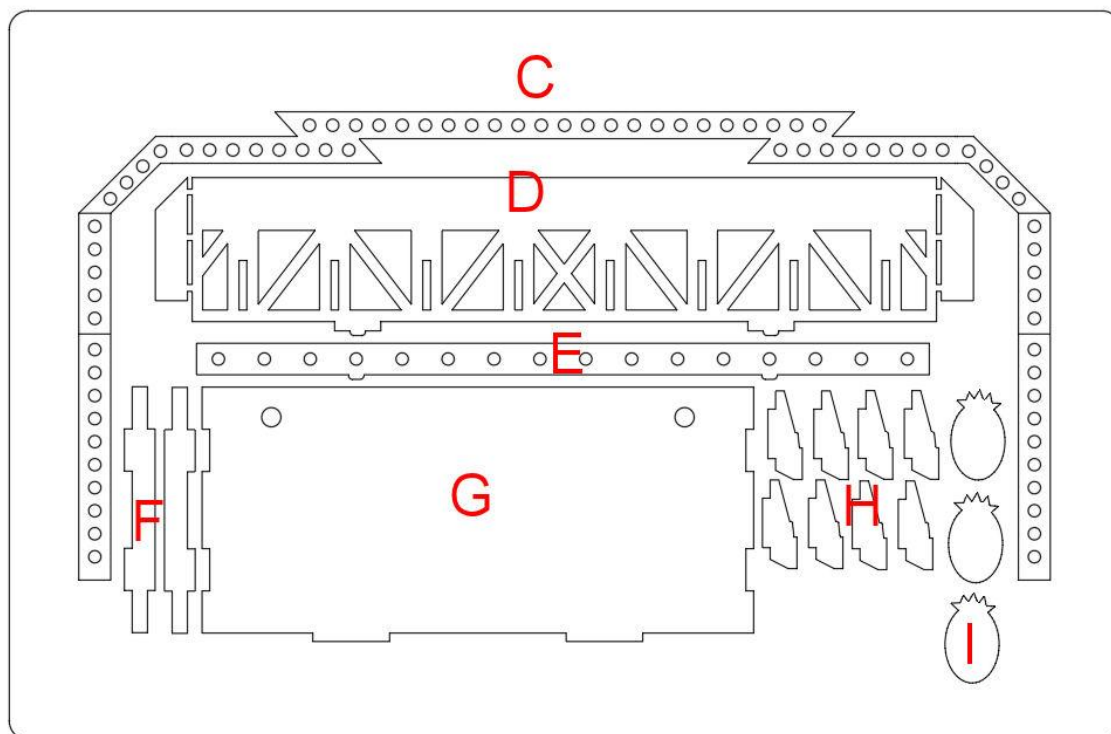


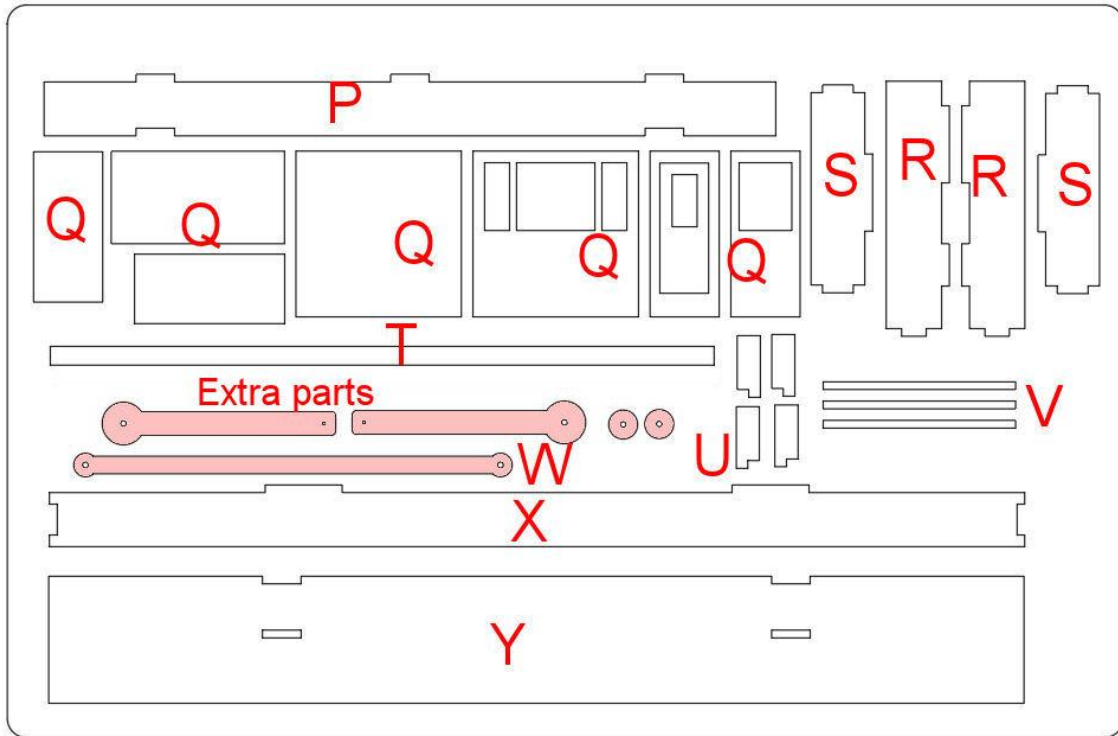
Safety restraints



Reference sheets, Note some holes in parts may need enlarging to suit



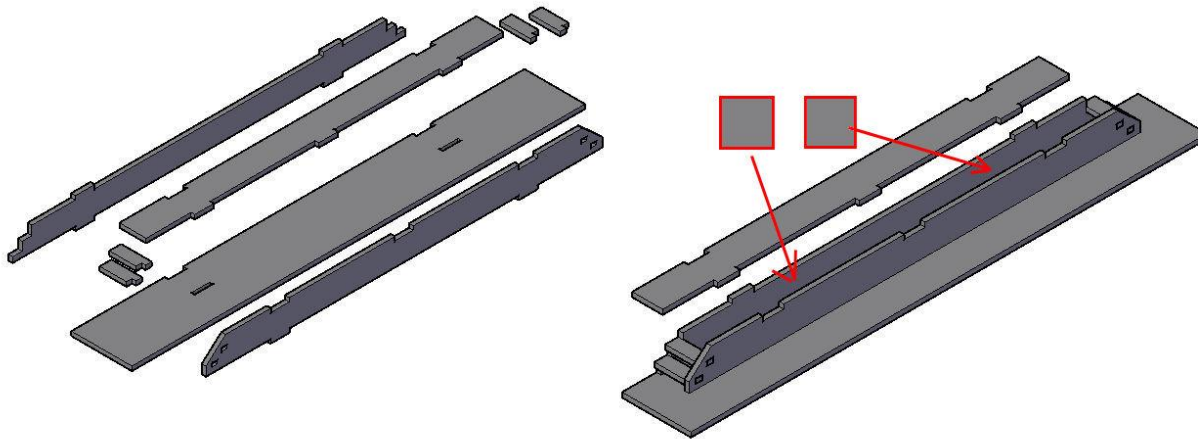




Steps and walkway assembly Parts M,N,O,P,U,Y

Assemble 2 upright walls with top walkway, place against a square box etc to keep the walls straight up until dry, glue steps in after

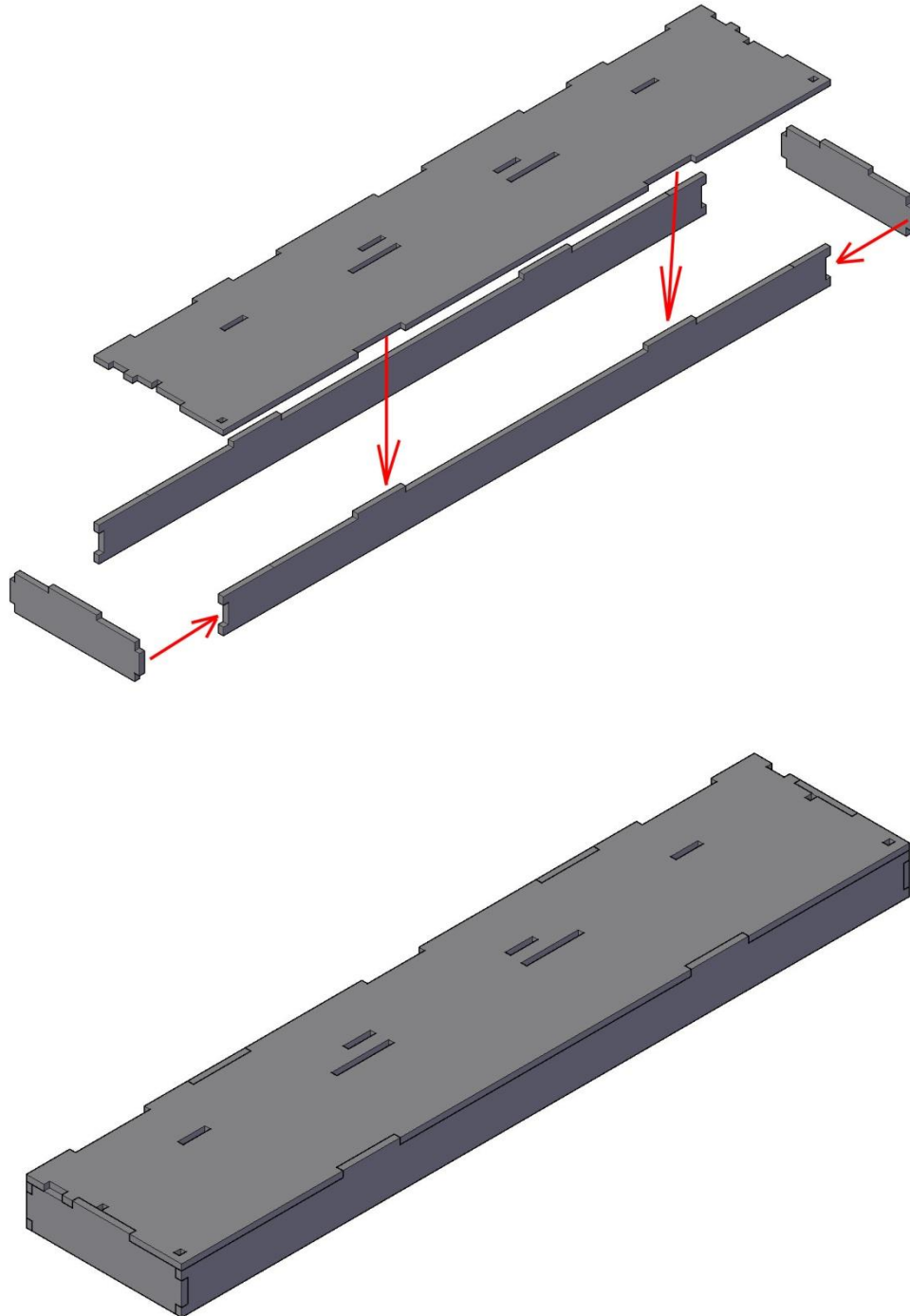
Walls can fit in either side so make sure you fit them the right way see picture



There are 2 extra square pieces Parts O, which can be glued inside to help keep this square when building

Next assemble the main platform, Parts J,L,X,S,S

Elastic bands or masking tape can help hold things together while the glue sets



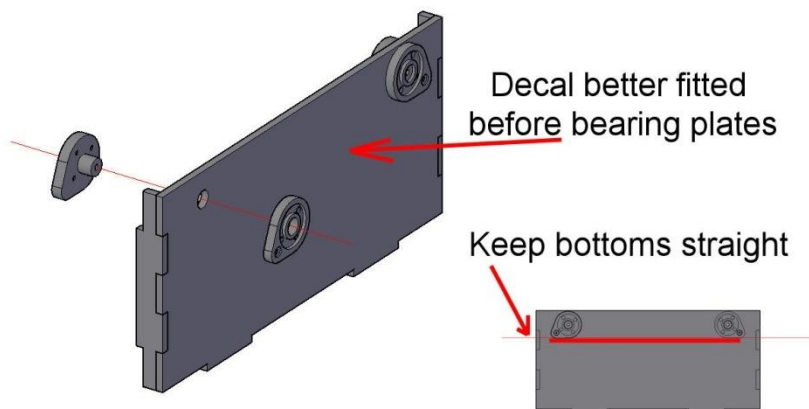
Assemble the bearing mount and bearings

Parts G,F and the 4 arm bearings

Assemble the plate and 2 side pieces, when dry if fitting decals it may be better to do this now and cut out the holes with an exacto knife. Then fit the bearings.

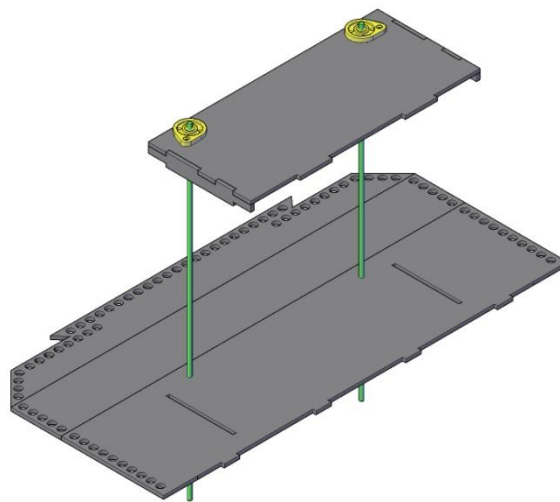
Push rear bearings through and glue to rear then glue the front bearing plates on over the decal if fitted.

Line the plate bottoms up with a ruler so they are straight so it looks better.

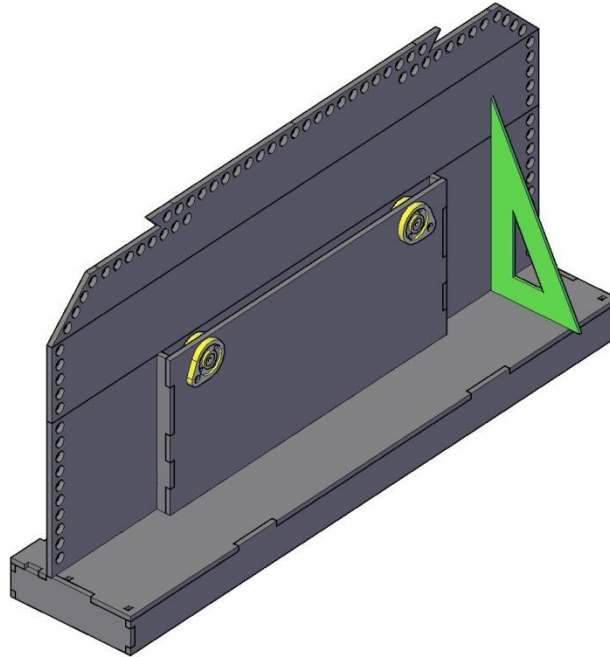


Next this part can be glued onto the main back plate part A.

Use 2mm rods to help keep everything straight and holes aligned when gluing on



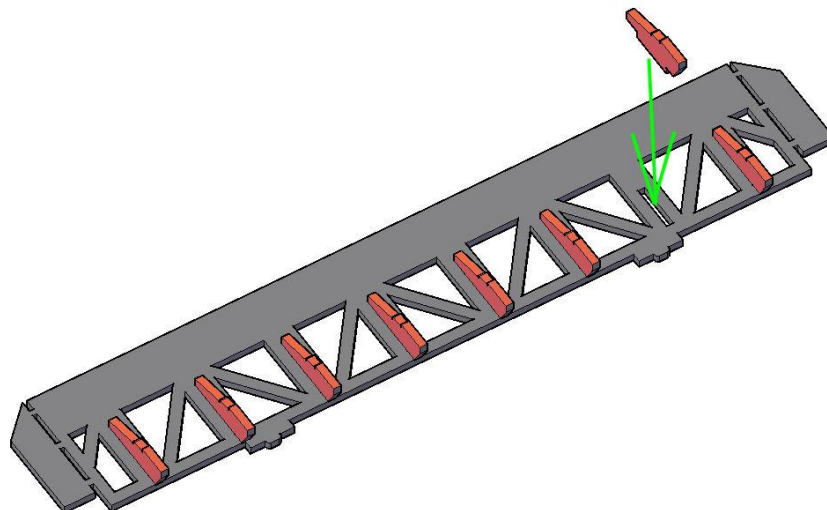
Glue the back upright assembly into the base, use a square to check right angle to base.



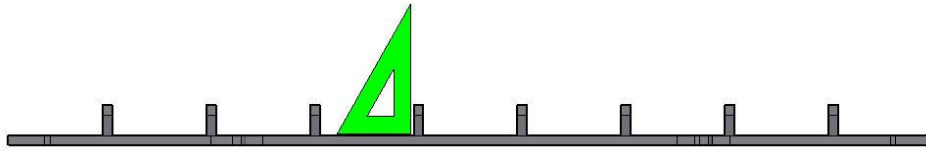
16 seat Gondola Assembly

Parts D,H,E

Glue the pieces H, into the back frame slots, Make sure they are in all the way and if there is any play in the slot push them towards the bottom.



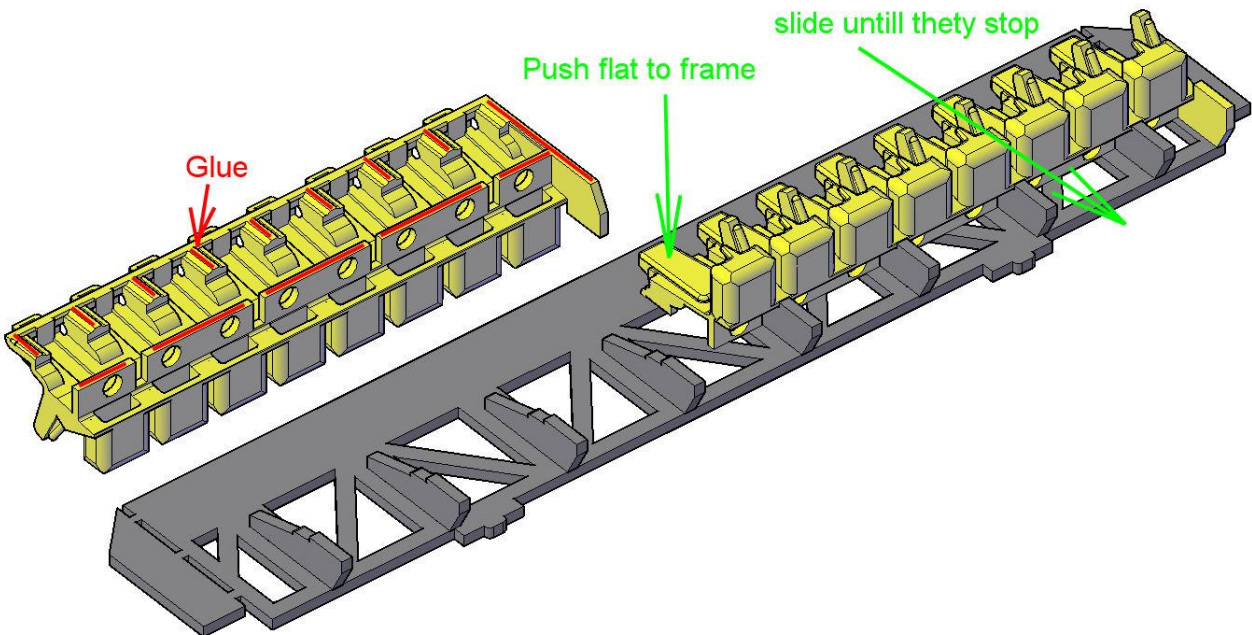
Check they are all square as slanted parts will make fitting the seat sections more difficult



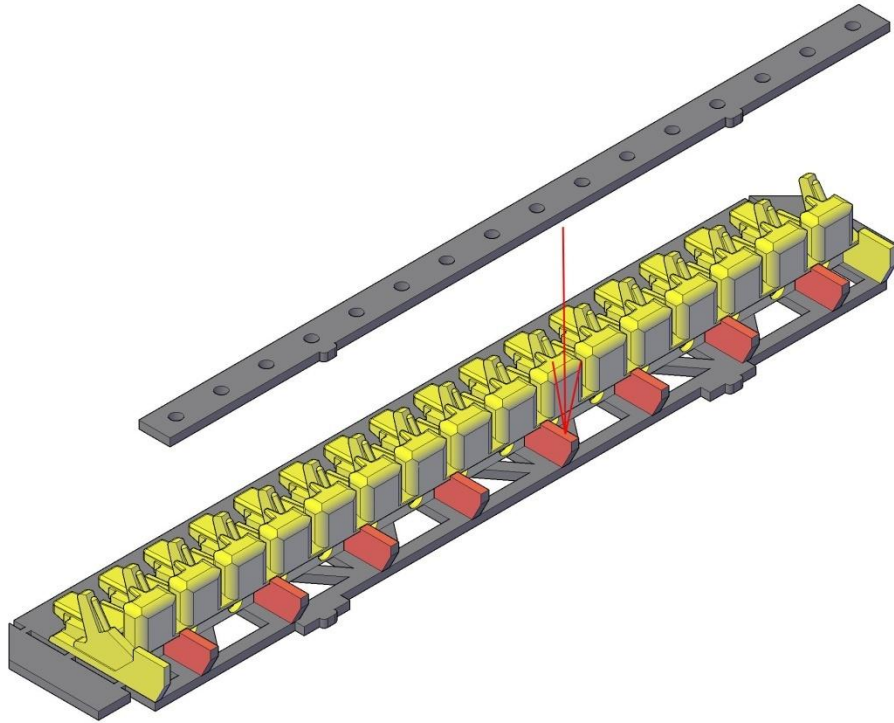
Once all is dry, the 2 seat half's can be glued in place – You can use any glue you prefer, I use either superglue gel or 5min epoxy if I need time for a little adjusting. Place the seats and lower light board without glue first until you are sure how they fit properly.

Make sure all fits before gluing and sand parts for a better fit where needed.

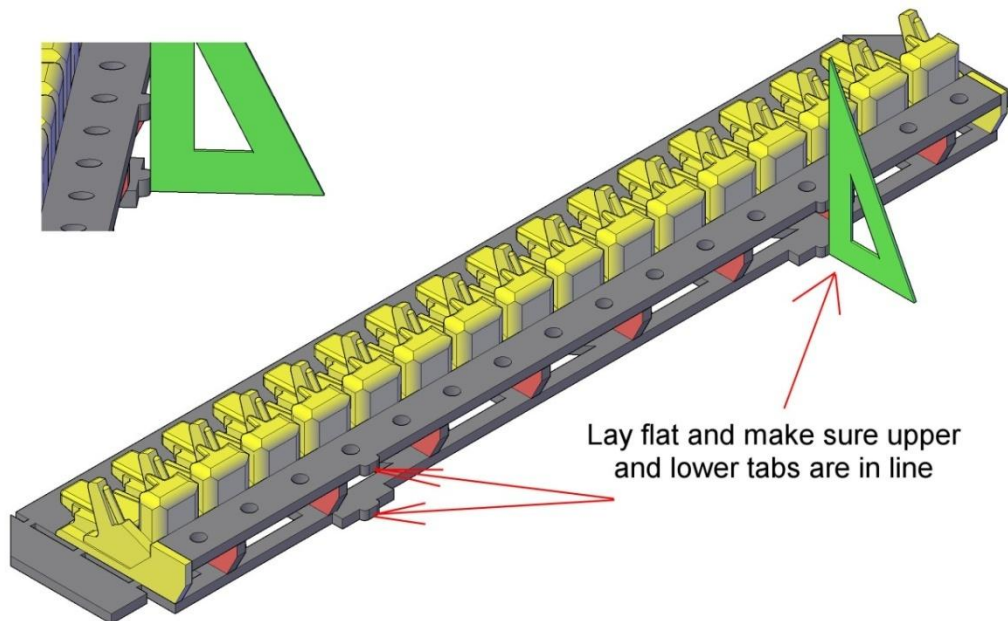
Take care when filing as the seat and restraints are resin and can be a little brittle



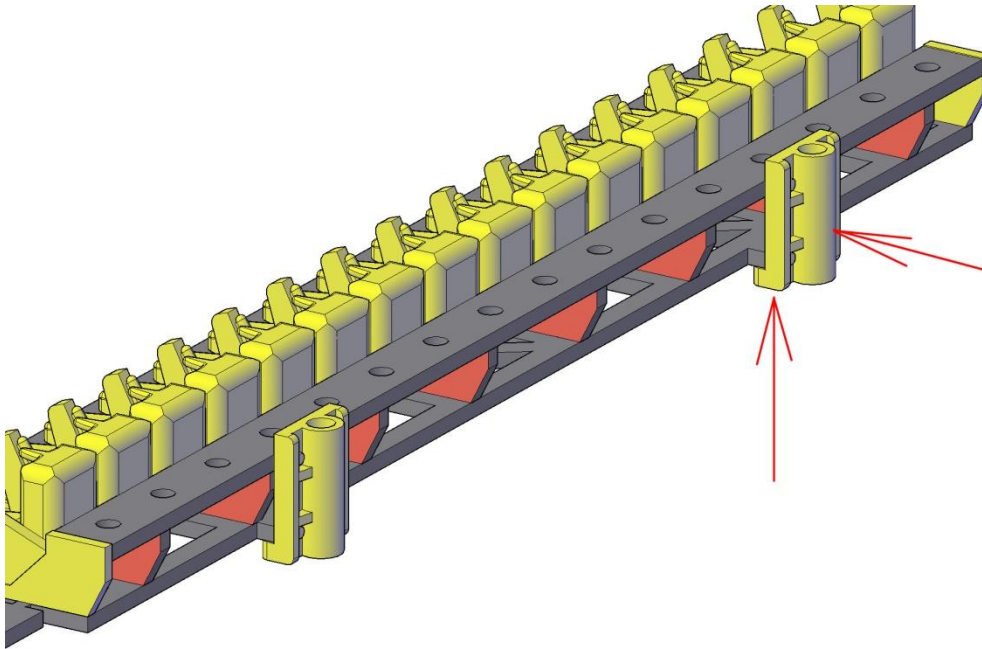
Glue light board on, If you are fitting LEDs, it is easier to do this before gluing on.



Make sure the ends of the front/back tabs are as straight as possible with each other

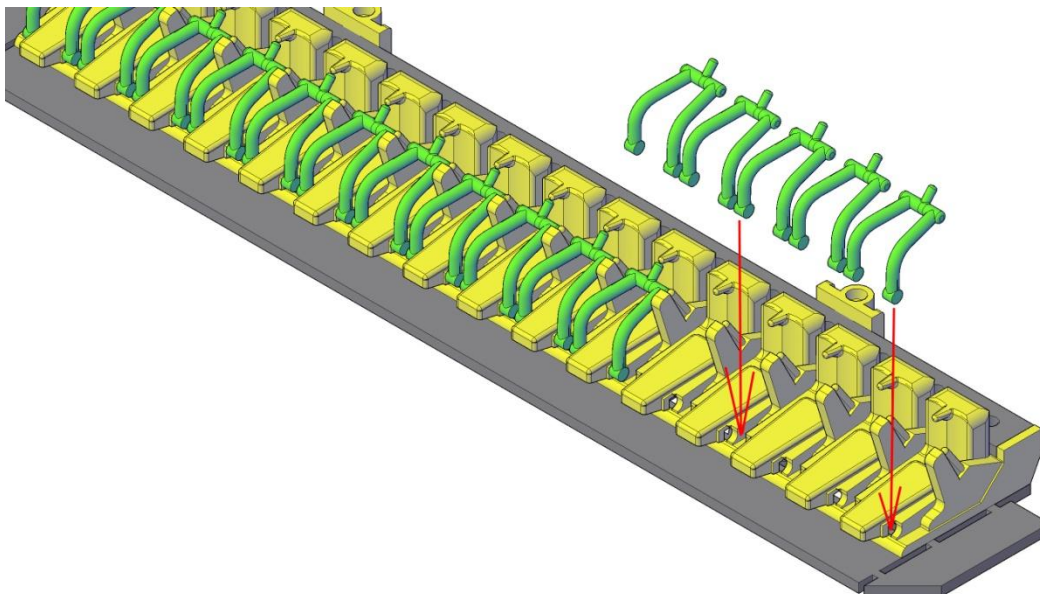


Next glue the 2 bearings on the Tabs, make sure they are seated well and the bearing lip is pushed against the back tab



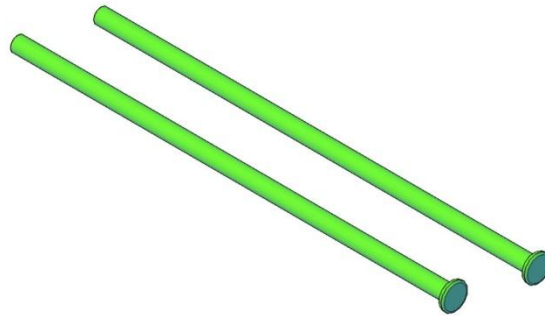
Finally to complete the gondola, glue the restraints in the required position

These are resin and can be brittle

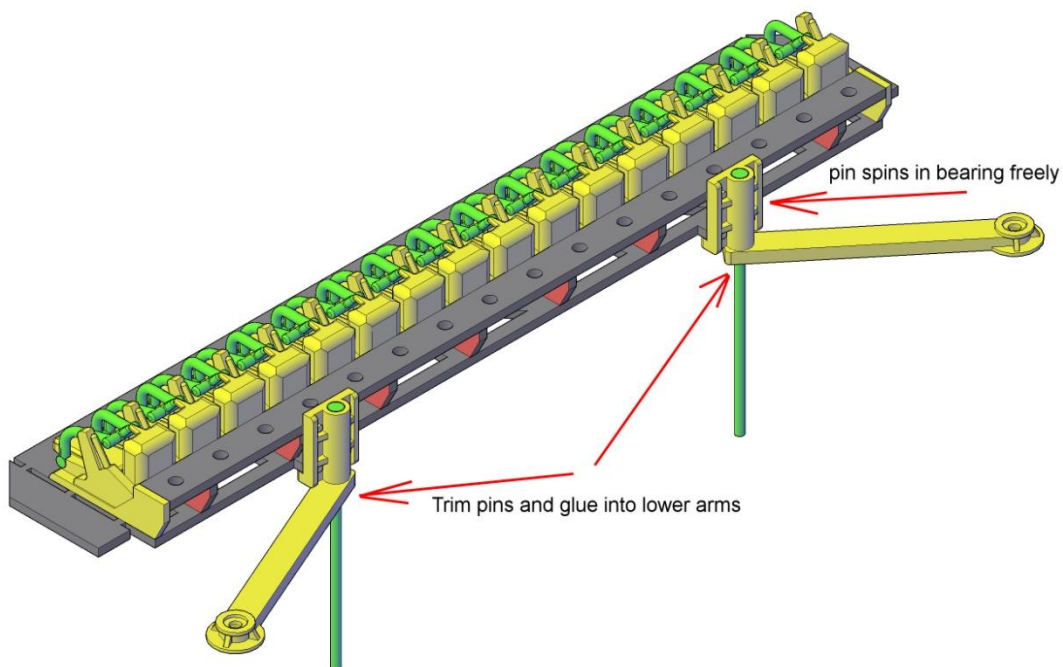


Use 2 pieces of the supplied plastic rod, with a hot knife or lighter warm the ends and push against something cool to form a small mushroom head on the ends, this only needs to be small to prevent the rod pushing through the bearing and should be sanded to fit in the recess in the bearing so it turns freely.

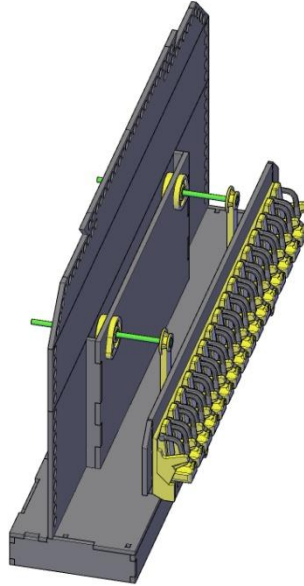
You would need to use your own arrangement if attempting to motorise using brass rod or tube



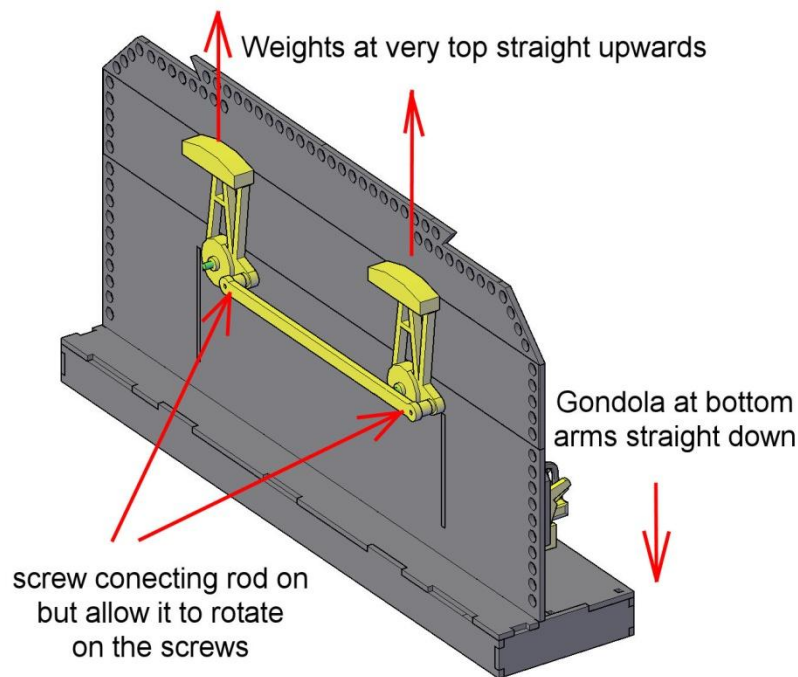
The pins can now be pushed through the bearings and into the Arms, either glue or carefully melt the back of the pin to the arm and sand, there should be a little play so the arm spins freely in the bearing



Glue 2 pins into the Arm tops and push these through the backboard bearings, these should be secure in the Arms but free in the bearings so the gondola can swing.



Next glue the weights onto the pins at the back of the board, the gondola should be at the bottom and both weights should be at the top as identical to each other as possible

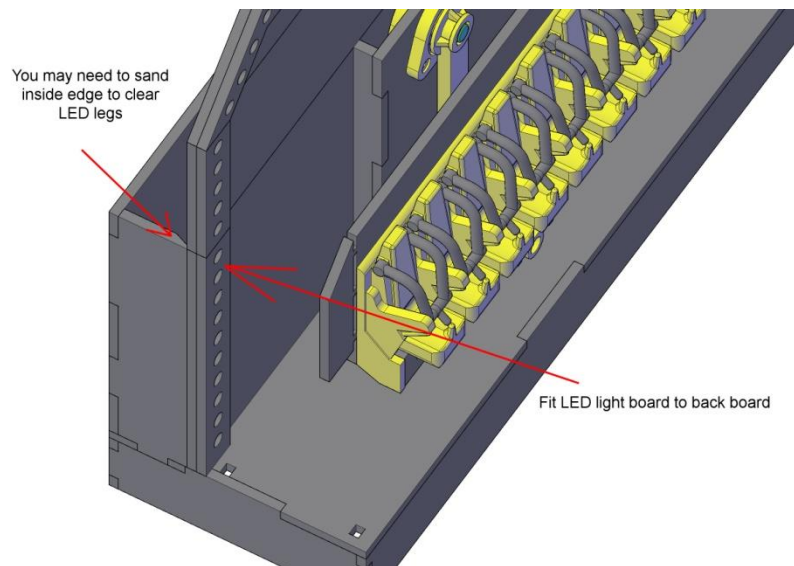


Next fit the LED light board Part C to the backboard, Fit any LEDs at this point.

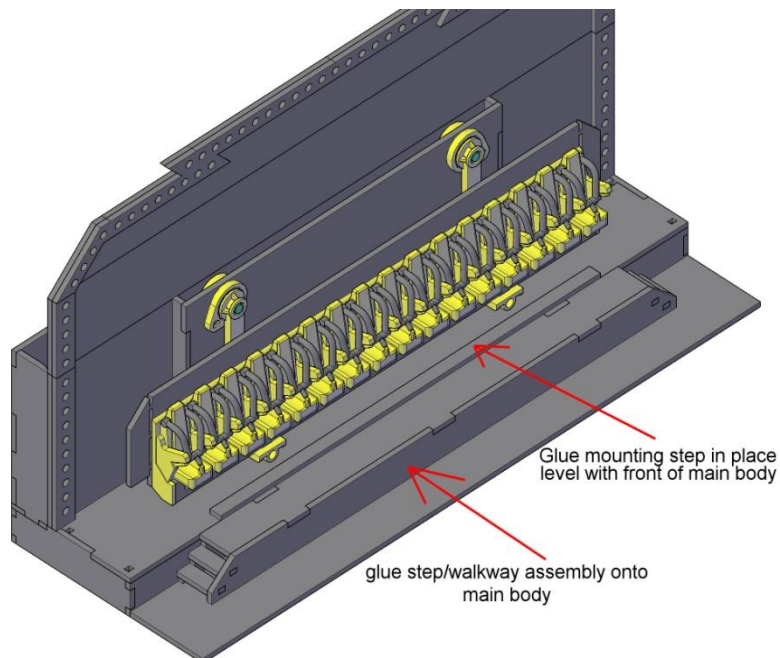
The rear box cover can now be assembled and fitted Parts K,R,R.

There is an Optional cut out so you can try to fit a hand crank if required.

You will need to sand the inside edge of the box so it clears your LED legs.

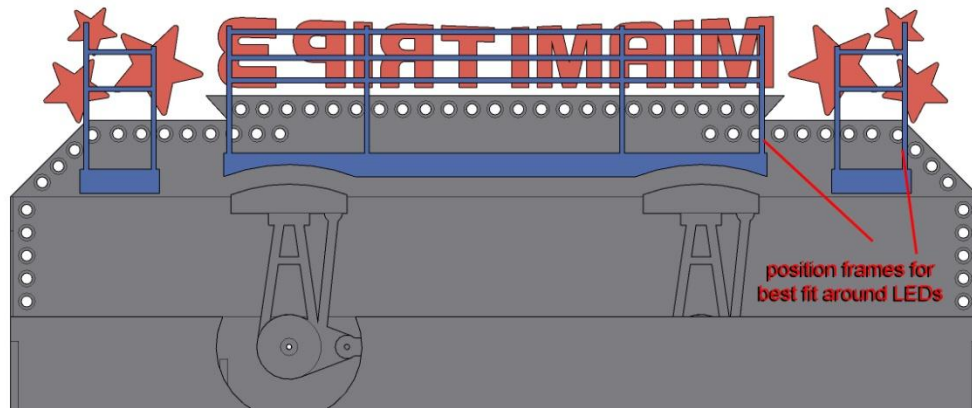


Glue the stair/front walkway section to the main body



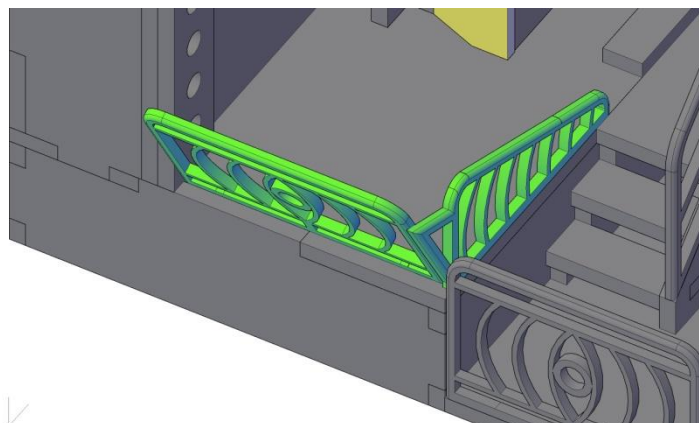
Glue on the sign frame as shown with the letters and stars as shown

You will need to position the frame to miss the legs of any LEDs as best as you can

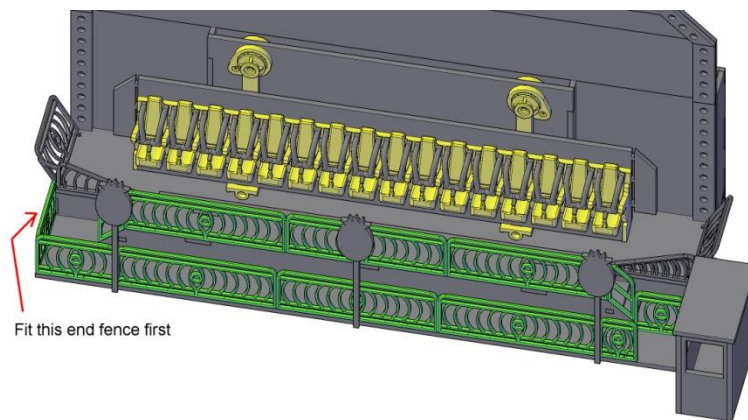


Identify the different sizes of fence and glue on as to the picture, 5 min epoxy resin is good for this or sand edges of the fences flat and use superglue gel to attach.

Glue the top end fence with the legs in the holes and glue the angled fence to it



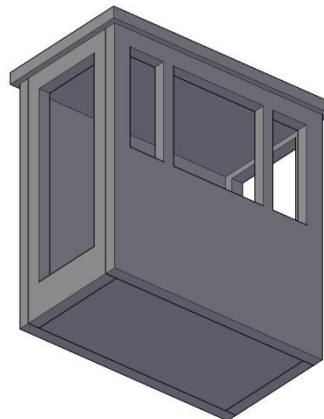
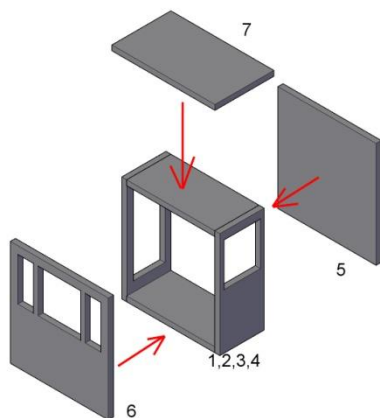
Determine the positions of the fences on the steps section and mark centre fence with pencil to aid gluing, start on left side for lower fences



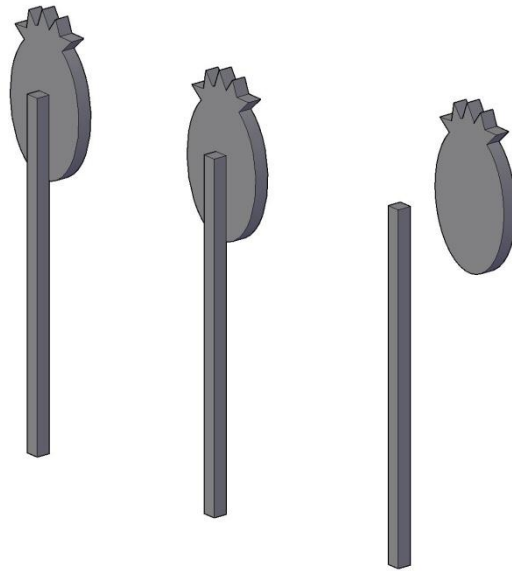
Pay box assembly

Glue pieces 1,2,3 and 4 onto the no 5 piece then fit the window piece 6

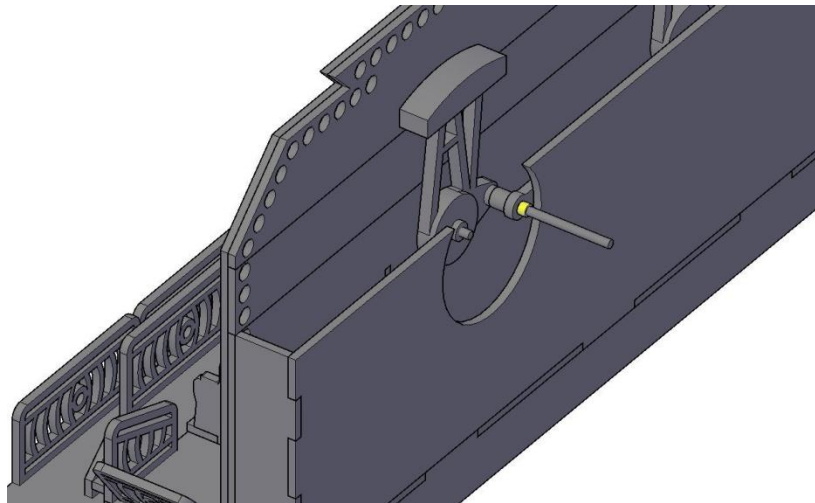
Finish with the roof; leave an overhang all the way around



Assemble the 3 front boards Parts I and V



If you wish to try and add a hand crank, you can replace one of the screws with a bar using a piece of cable insulation to stop the connection rod from falling off



The Miami model was designed as a static model but is capable of being motorised but you will need to work this out on your own as there are no plans or parts for this, the above crank is possible if you have experience.

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.