



## JOEY

Thank you for buying this locomotive kit from Boot Lane Works, please read all the instructions carefully before assembly.

### Tools & Adhesives

I recommend a few tools to help you assemble your kit –

- Modelling Knife (*I use a scalpel*)
- Tweezers, Pliers, etc...
- Needle Files, various shapes
- Wet & Dry abrasive paper (*the mixed selection from Halfords is very good*)
- Selection of small twist drills, including 1.5mm & 2mm diameter
- A 90° angle (*I use a set block, but a small set square will work well*)
- I personally, can't manage without my small, tapered reamer, look for them on eBay!  
*TAKE CARE WITH THE REAMER - MAKE A SMALL CUT, TRY, AND CUT AGAIN*

I also recommend the following adhesives –

- Super Glue  
*I use Gorilla Super Glue*
- Dichloromethane, A liquid solvent for the acrylic  
*I use E.M.A. Model Supplies "Plastic Weld"*

The kit consists of 3D printed parts in both filament and resin.

### **THE RESIN PARTS ARE VERY BRITTLE AND MUST BE HANDLED WITH CARE**

For best results the filament parts should be primed and "rubbed down" to remove the print lines. Acrylic parts should be rubbed down with a fine "wet & dry" to give your paint a good key. Good results can be obtained from rattle spray paints; I find Halfords an excellent source.

### CHASSIS

This model is supplied with a chassis kit that contains separate instructions. Please refer to those instructions when building the chassis.

## THE BODY

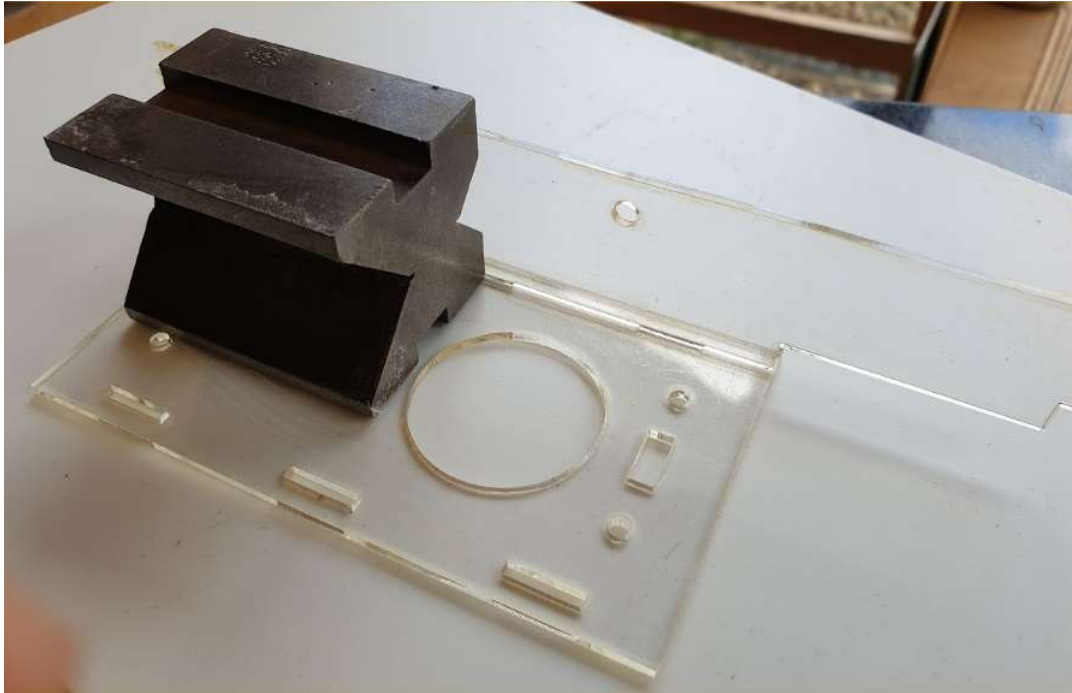
**NOTE – THE PHOTOGRAPHS BELOW ARE FROM THE ORIGINAL JOEY, THERE ARE ONLY DETAIL DIFERANCES BETWEEN THE TWO KITS.**

Use the image at the end of this document to identify the 2mm acrylic parts.

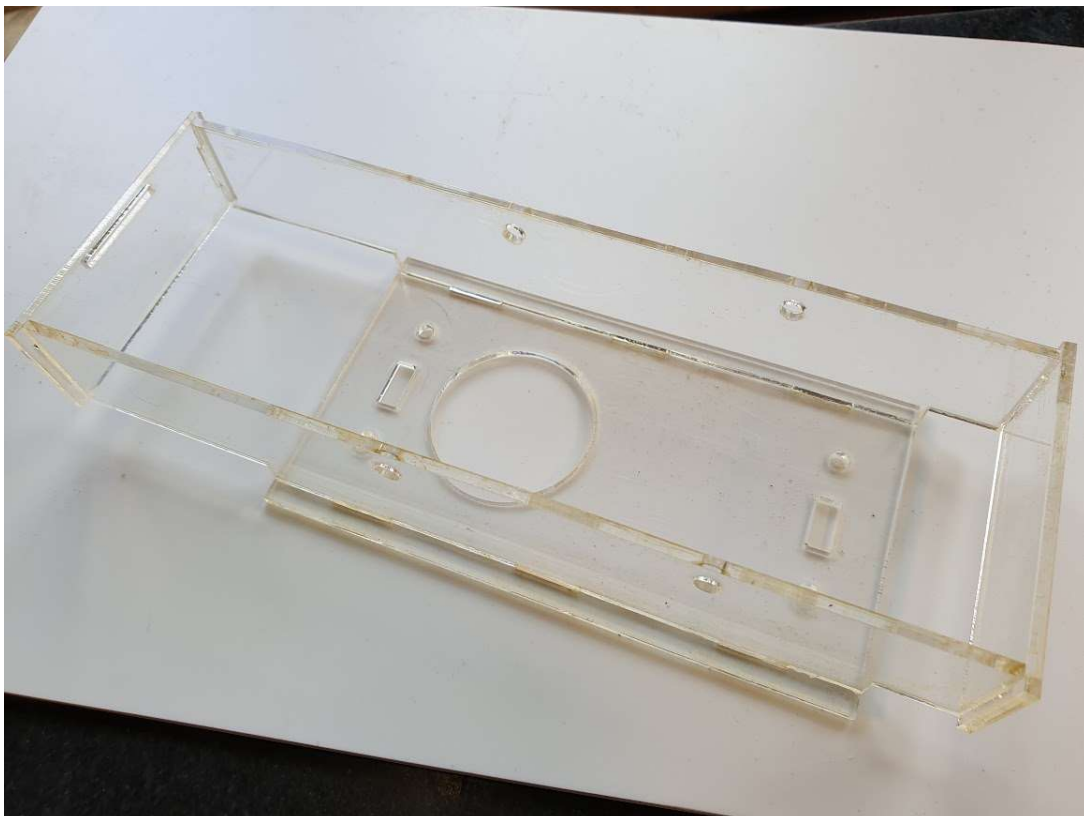
Start with the Battery Hood Base.

Turn the Battery Hood Base upside down onto a flat surface (glass or marble is good).

The two Main Frames have three lugs along their top edge that locate into corresponding slots on the Battery Hood Base. I use a set block to ensure 90° angle.

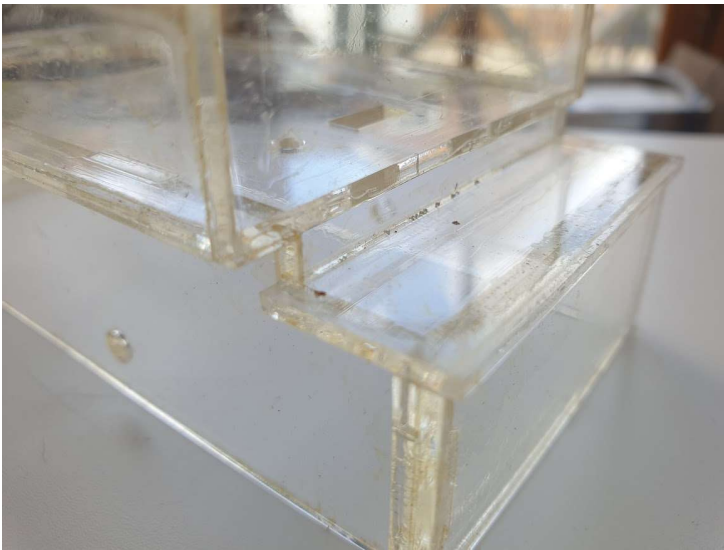


The Front Inner Bufferbeam has two locating slots for lugs on the front edge of the Main Frames. The Rear Inner Bufferbeam has two similar slots, and an addition slot to locate the Rear Footplate.



The Battery Hood - Rear has another slot to locate the remaining lug on the Rear Footplate.

The Battery Hood consists of a Rear, Front & two Sides. The sides sit flush on the bottom edge of the Battery Hood Base.



*NOTE – The Battery Hood Front fits on top of the Front Footplate – I recommend the Front Footplate and Outer Front Bufferbeam is fitted before the Battery Hood Front (see image).*

The chassis is fitted into the finished skirt using x2 M3 screws & nuts.

## **HOOD TOP**

The Battery Hood Top structure is built from three parts, a printed frame and two pieces of 2mm acrylic.

The acrylic is glued onto the printed frame with equal overlap all around, I used car body filler to fill the gap between the two sheets of acrylic.

The finished Hood simply drops onto the Battery Box once complete.

## **DETAILING**

4x printed axle-boxes, I have created holes in the rear of the print that line-up with corresponding holes in the Frames. These holes perform no function other than that of assisting alignment.

2x clear resin printed Headlamps to mount on top of the hood, one customer had bored these headlamps to accept small LED's!

1x printed control-box, to be fitted in the cab area.

1x printed handbrake and 1x printed controller.

JOEY MKII has our updated buffers which are screwed through both buffer-beams, we have supplied x4 M2 screws & nuts to fix the buffers to the body.

Also included are dummy rivet heads, that may be attached to the frames & buffer-beams as desired.

Refer to the image at the head of this document.

*Suggested method of attaching rivet heads, is to carefully “stab” the head with a modelling knife, dab the head in the (tiniest) amount of glue, and attach to the model – draw pencil lines on the model prior to fixing the heads to ensure straight rivets.*

A PDF copy of this document can be downloaded from –  
[www.bootlane.org.uk/instructions](http://www.bootlane.org.uk/instructions)

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Front Footplate

Inner Buffer-beam  
Front

Inner Buffer-beam  
Rear

Battery Hood - Base

Frames

Battery Hood - Side

Outer Buffer-beam

Battery Hood  
Rear

Battery Hood  
Front

Battery Hood - Top

Cab Seat

Cab Floor