

# Baldwin WD 50hp Petrol Tractor

Thank you for buying this Loco kit, please read these instructions carefully before assembly.

## PREPARATION

The first thing to do is to rub down all the parts you will want to paint with sandpaper (this will almost certainly be ALL the parts). A small file can be used for the more awkward areas. The object is to remove the printer markings.

A body filler such as P38 can also be used to fill the printer marks.

For best results we recommend Halfords spray paints, Grey Primer will need to be applied first to give a good key for the top coats.

Rub down the primer coat with 500 grit wet & dry. Repeat the primer coats and wet & dry process until you get a smooth finish.

This process is not entirely necessary, however the more time spent on filling, sanding, priming & finishing. The better your finished model will be.

If you still have marks or imperfections, repeat the process with wet and dry.

Attach the rivets at 5mm intervals with liquid poly before applying the top coat. When the glue is dry, spray with primer one last time before finishing with the top coat.

The top coat colours are a matter of customer choice, again we recommend Halfords spray paints.

## CHASSIS

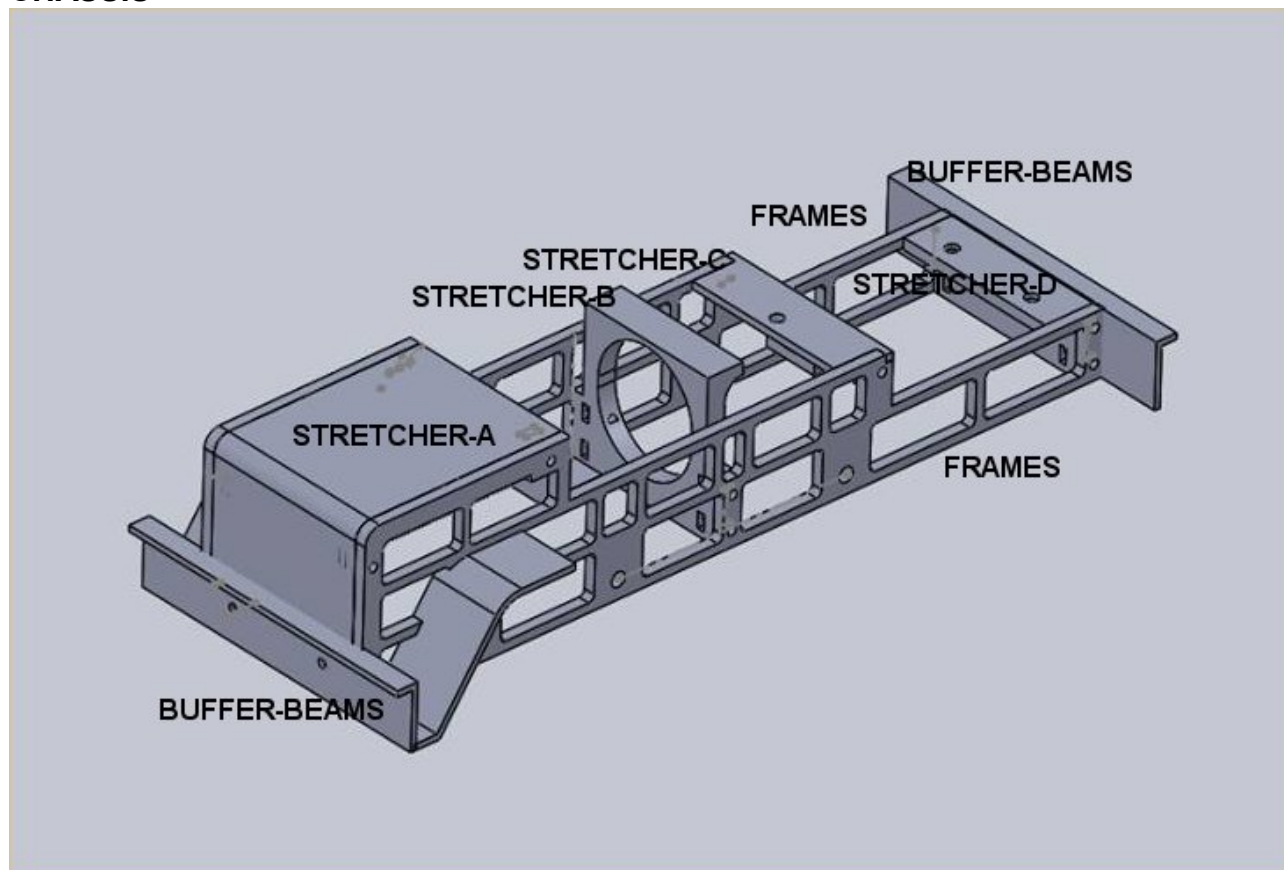


FIG 1

Drill out the four axle holes in the chassis with a 3.8mm and fit the four 1/8 brass bearing (with the flange on the outside) and press or glue in place.

The two front holes in the chassis will need a 5/32" drill to take the 64mm length brass tube.

The chassis assembly consists of both side frames and four cross pieces. The gearbox cover, the motor housing, and two rear stretchers (FIG 1).

Take one side of the side frames and using the 2mm x 10mm long countersunk screws and 2mm nuts fit parts A, C and D to the chassis inserting the 2mm nuts in the slots (do not over tighten).

Next, fit the pre-assembled wheel sets to the chassis with the motor driving the front axle and facing towards the back then fit side 2 to the chassis then fit part B over the motor to hold in place.

Take the dummy gearbox drill out to 4mm fit the 64mm long brass tube with the gearbox to the front of the chassis making sure you have equal lengths of the tube either side of the gearbox, glue the tube into place.

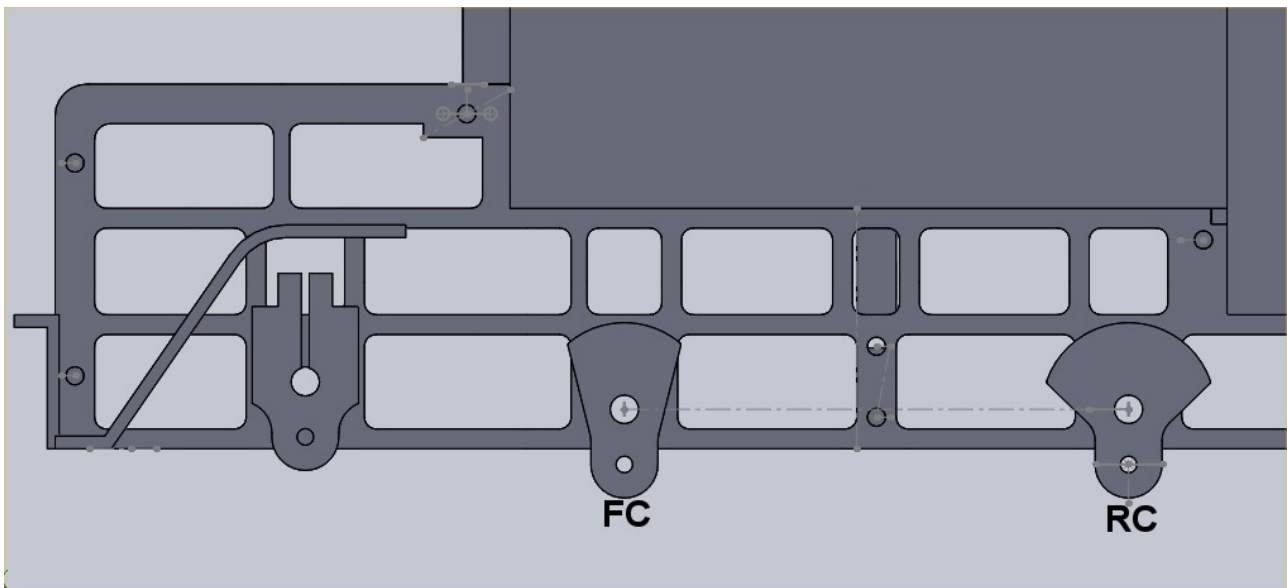


FIG 2

Take the outside cranks and fit the 2mm x 10 to the front cranks (part FC) and the 2mm x 16mm to the rear cranks (part RC) (FIG 2). Fit the cranks to the chassis using the 2mm grub screws making sure that the crank pins are a 90-degree angle from side to side.

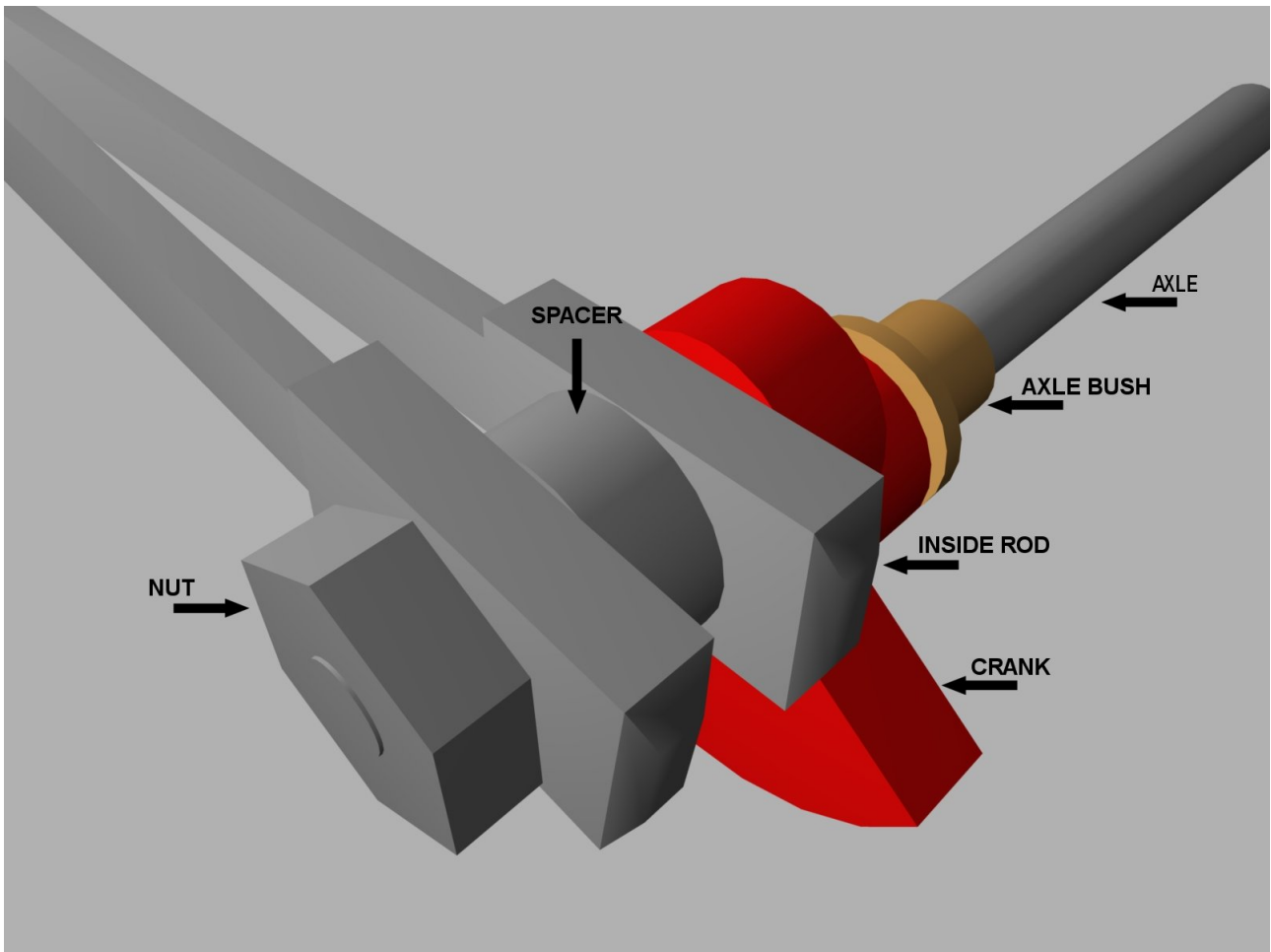


FIG 3 (Frame omitted for clarity)

Take the two short connecting rods and file the holes so the brass top hats bearings fit loose in the rod and fit to the cracks (FIG 3) the front cranks has a 2mm nut holding it in places the rear has a printed washer that needs to be screwed in place, holding the rear ones done you can test run the chassis you may need to get the quartering right just by undoing the grub screws till you have a nice running chassis.

Now fit the 2mm x 10mm to the drive cranks then fit to the front of the chassis using the 1/8 rod and using the 2 mm x 10 bolts and nuts clamp in place leaving one side loss at this time next add the long connecting rods with two top hat bearings in places using 2mm nuts and clamp the other side. Test run chassis again to ensure that it runs smooth.

## BONNET / HOOD

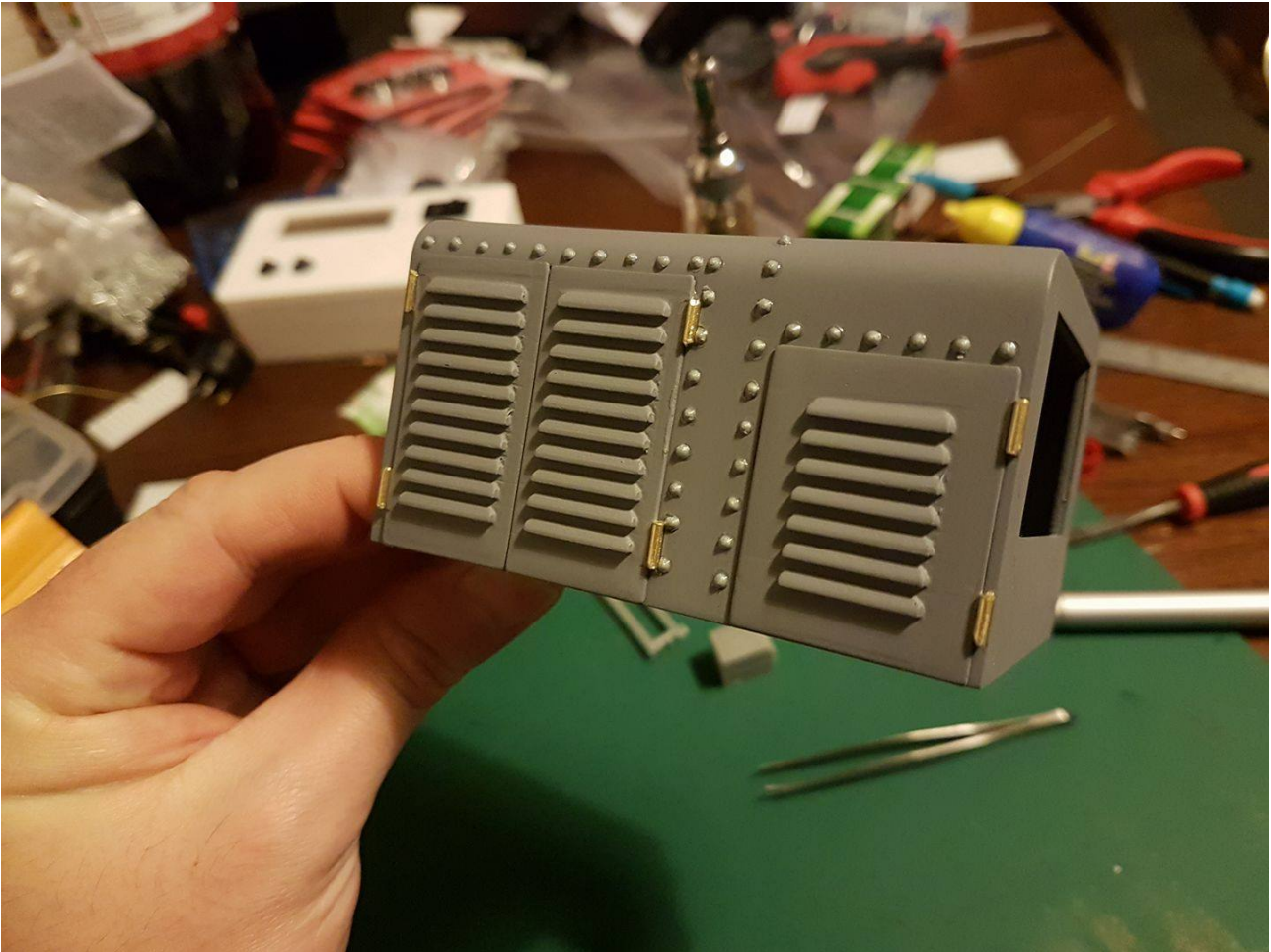
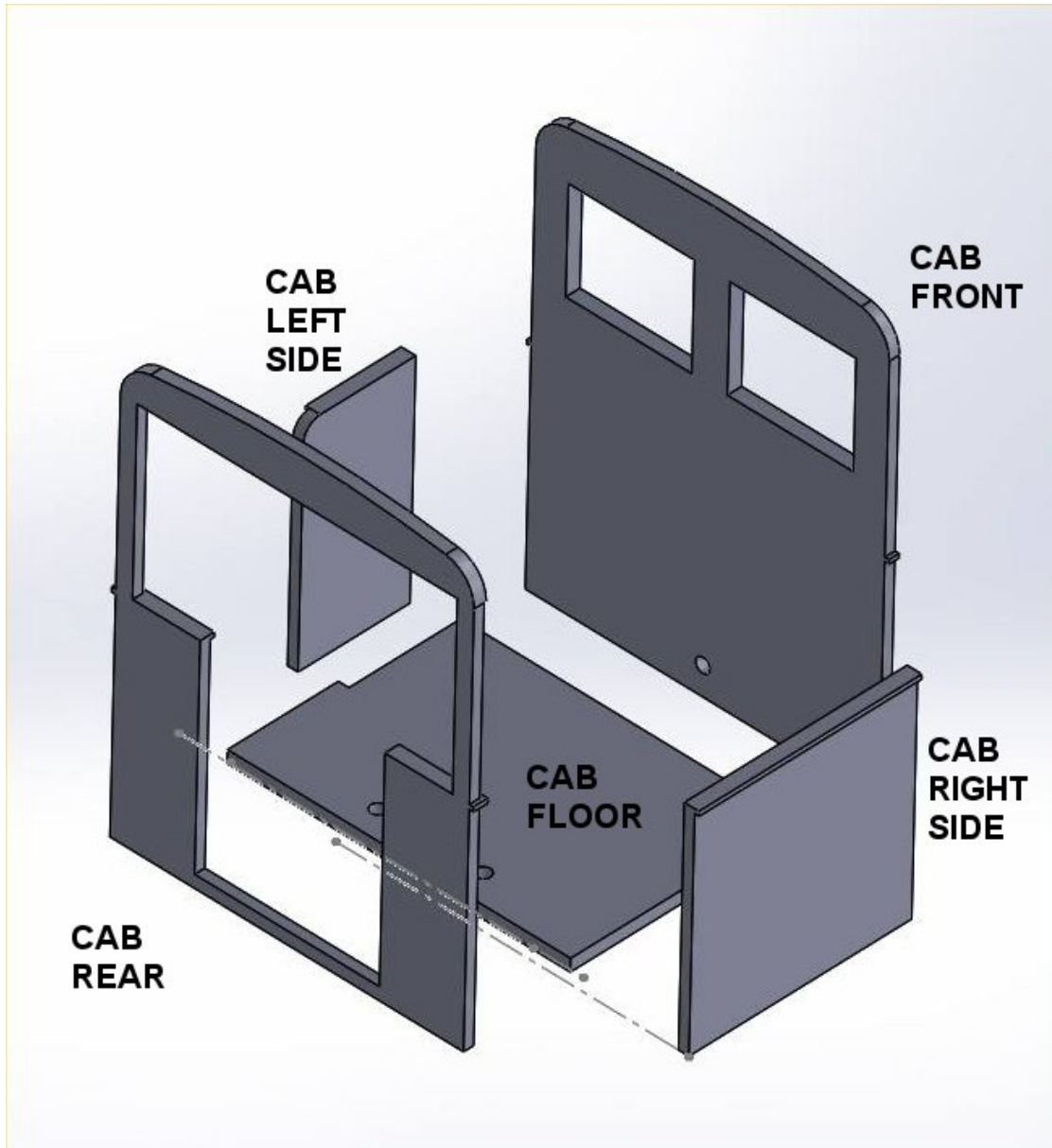


FIG 4

Paint & fill the hood/bonnet as before and fit the louvre panels (FIG 4)

Fit the radiator cab in the hole on top of the radiator and fit the grill inside the radiator using super glue. Fit the exhaust using a 3mm x 10 bolt now fit the bonnet to the chassis and glue the radiator to the front of the bonnet using the chassis as a guide. Add the support to the fuel tank & glue to the top of the hood/bonnet.

**CAB**



**FIG 5**

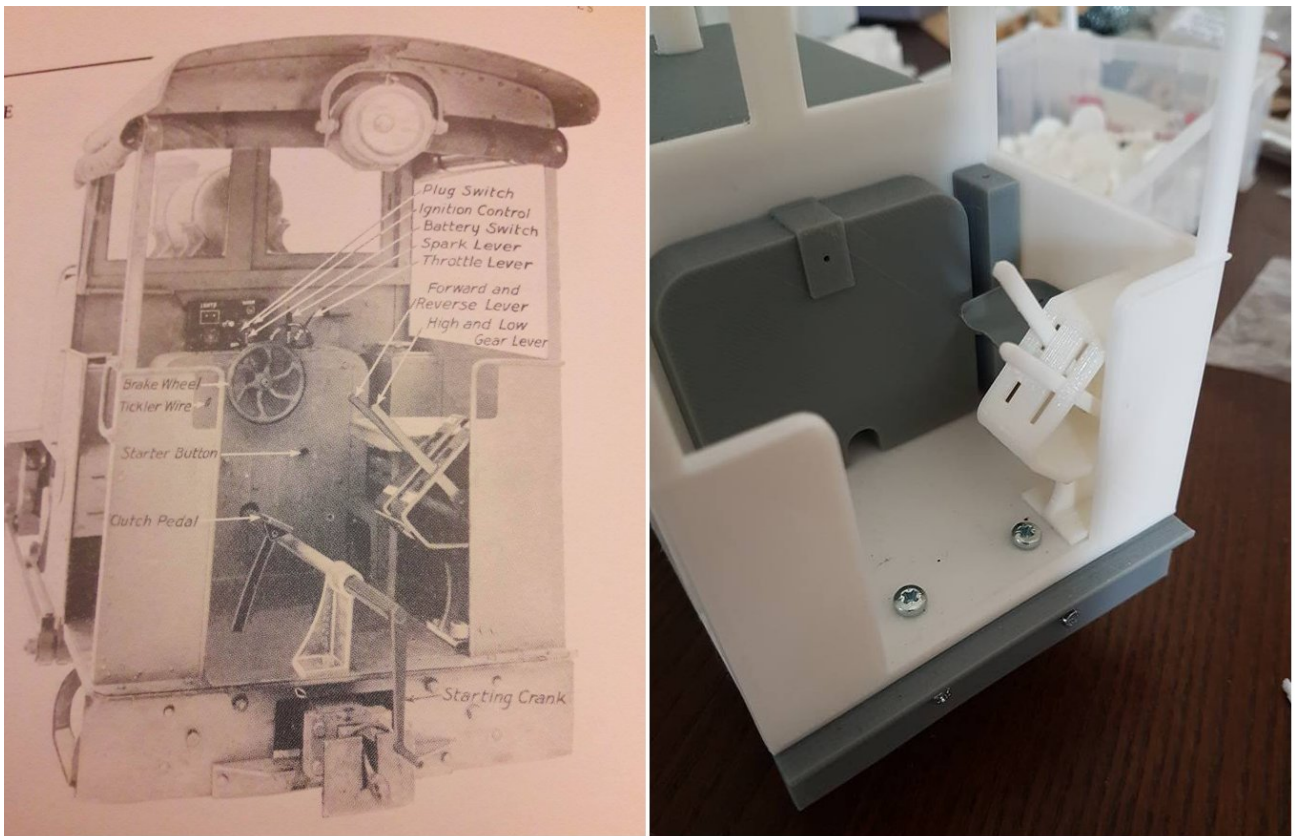


FIG 6

Take the cab and paint before gluing ones painted glue together as (FIG 5) glue the control panel inside the cab see (FIG 6 for cab detail)

Extra cab detail has been included in the kit, these may be added as required. Again, use the detail in FIG 6 for reference.

Take three 3mm x 10mm bolts and nuts and fit to the chassis one at the front of the cab and two on the floor at the rear. When happy, glue the roof in place.

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