



## RT MODELS

### 4mm scale 009 gauge Lister Style Autotruck loco body kit

Thankyou for purchasing this loco body kit based on the Lister Autotruck.  
The prototypes were mostly painted in a mid green with a white front on the engine casing.  
Recommended colours for the drivers uniform is a mid to light blue.

#### Contents

1x chassis top  
2x chassis sides  
2x chassis fronts  
2x couplings  
1x engine cover  
1x hand brake  
1x drivers seat  
1x driver  
1x drivers arm  
1x length of wire

#### Instructions

Take all the castings and clean them up with a flat needle file and fine wet'n'dry or a fibreglass pencil.

The dimples on the chassis top will need drilling out as well as the centre bar on it which doesn't have a dimple. This and the centre rear dimple need drilling with a 0.5mm drill to glue the wire pieces into. The other dimples need drilling with a 1.2 mm drill or larger to accept the castings.

Following the diagram do a dry run to make sure everything fits well.

It is recommended starting with making the chassis first before adding the details onto the top of it.

Make sure the chassis top is flat during construction.

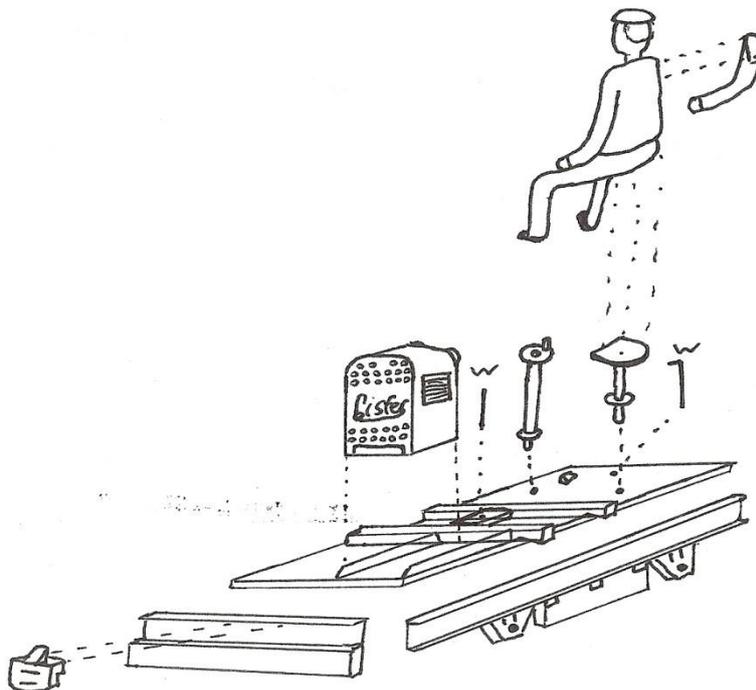
The Portram bogie will need to be added during the construction as the kit is designed to hold the bogie with the kits chassis sides, It is still possible to remove the whole bogie in future but may require removing one of the chassis sides once construction is complete.

The lines on the bogies black side pieces will need to be carved off to fit into the chassis.

Once you are satisfied glue the kit with either super glue or araldite, avoid getting any near the motor bogie.

Now cut a length of wire 7mm which needs to be glued into the centre hole in the chassis.

Now a length of wire needs to be cut 9mm which a 90 degree bend needs to be made with 1mm of the wire so it forms a handle, this needs to be glued at the back centre hole.



**This kit is designed to fit onto one of the Kato Portram's motor bogies which needs modifying to work on their own.**

**It is recommended that the portrams motor bogie is not run at more than half speed or on a feed back controller otherwise damage could occur to the motor.**

### **Modifying the Kato Portram motor bogie**

**Please note this is only a guide which RT Models or anyone else cannot take any responsibility for any damage to the motor bogies caused by converting them to run on their own. Test the model before modifying the bogies.**

First, pull each body off, then the seating to reveal the tiny plug and then cut the wires with enough length to solder to the brass tabs sticking out of the top of the bogie.

Now lever each motor bogie out carefully from underneath the tram as these are just a clip fit, make sure you don't slip and possibly cause damage to the gear at the end.

You can now solder the wires on by using a small amount of flux on each brass tab, pre tin the wires and then with a small pair of tweezers.

Hold the wire in place and VERY QUICKLY touch the wire and tab just long enough for the solder to melt and join the 2 together.

DO NOT hang around with the iron as this cause damage to the small gears **inside**

As it is, the chassis will only be able to operate up to half the voltage on your controller, any more than 6 volts will cause possible permanent damage to the motor.

It is possible to install a resistor for 4.5 – 6volts on one side as shown in the photo below, this will stop any damage to the motor and help control the speed better. The body does not need any modification for this.



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