

Mine Truck v3



I had a mind to make a few more Mine trucks using my [earlier design](#). I did this, but soon grew bored with sticking together the buffer bits and also the extra time required to glue the side assemblies together. So I redesigned it to be easier to assemble and generally quicker to build. While this design looks the same, it is somewhat different.

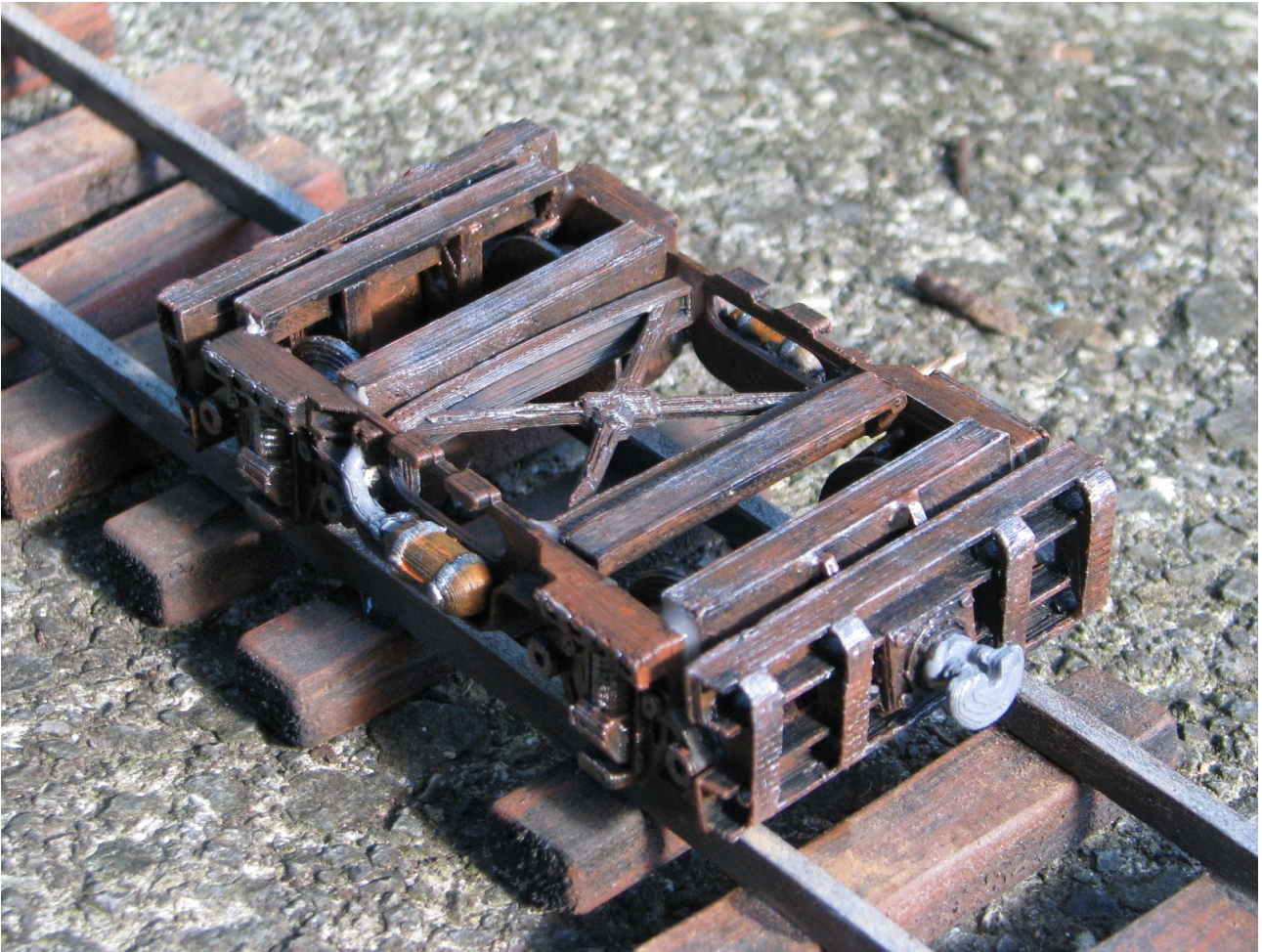
The front buffers are now a single print. The side panels are now a single print too. This means that there is a little bit more fall off around some of the overhung parts on the buffers, but this is minimal.

Like the previous version, this is just the chassis. Decks and whatever else is going to be mounted on it are simply scratch built. There are some other very cool model railway bits and pieces on Thingiverse that may lend themselves quite nicely to being adapted to go on this chassis.

The overall dimensions are 65mm wide x 120mm long x 32mm tall. The track gauge is about 38mm. The wheels have reasonably wide flanges and so can ride on rails up to about 40mm between rail centrelines.

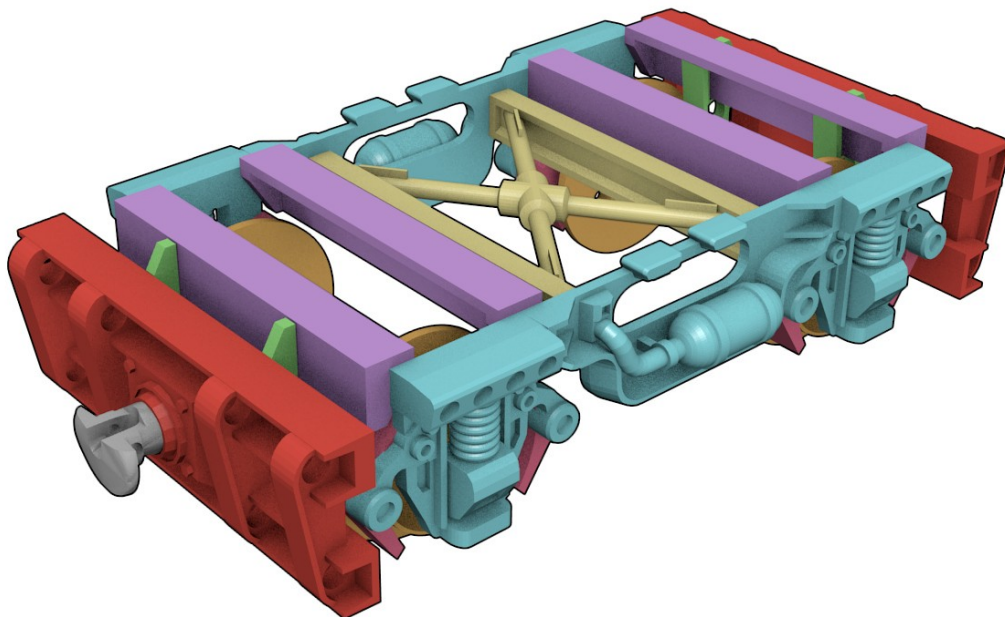
Things you will need in addition to the printed bits;

- 2 x Ø4mm rods of some sort for the axles. These are cut to 55mm long. I used dowel.
- Glue. I use an epoxy glue, but anything without too much flexibility will work.



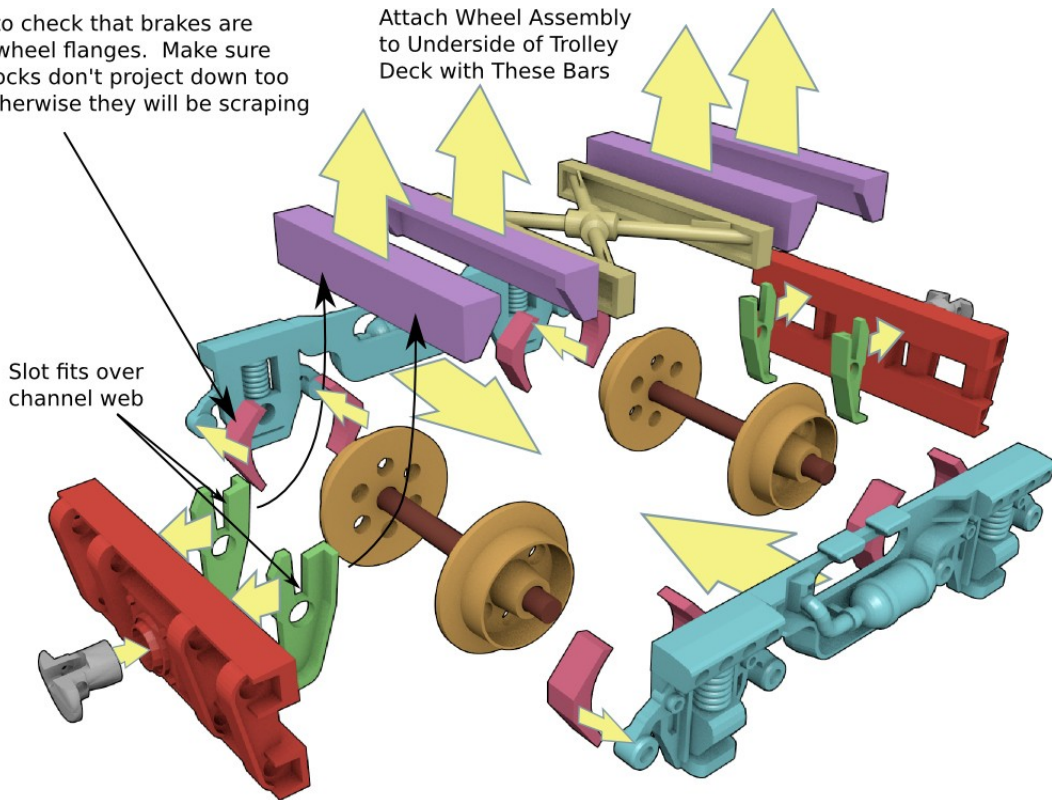
Mine Truck v3 Chassis

To illustrate the parts and assembly here is a view of the assembled chassis and an exploded view.



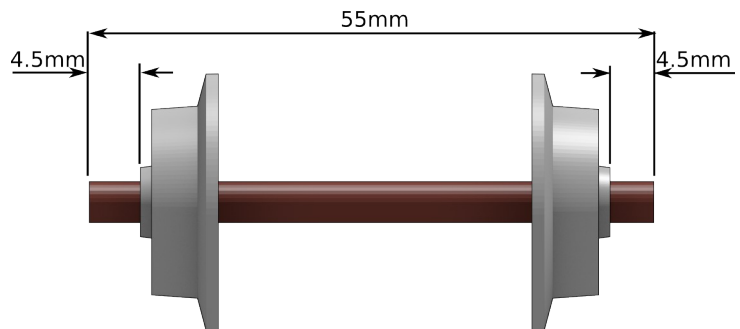
Use wheels to check that brakes are clear of the wheel flanges. Make sure the brake blocks don't project down too far either, otherwise they will be scraping on the rails.

Attach Wheel Assembly to Underside of Trolley Deck with These Bars



Assembly notes for the Wheels

When you cut the axles and mount the wheels, make sure the wheels are pushed on about 4.5mm from the ends of axles.



Have Fun



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