

On30 Ore Car Kit Instructions

Thank you for purchasing our kit! We have worked very hard to create a detailed replica using 3d resin printing. These instructions work for both the 1 cord ore car and the ½ cord ore car. While this is a model of the Gilpin Tramway prototype, this ore car would be appropriate for any freelance western narrow gauge mining railroad. Our goal is for every customer to be happy so if you have any questions or concerns, please contact me by using the contact form on my website www.singerlinks.com.

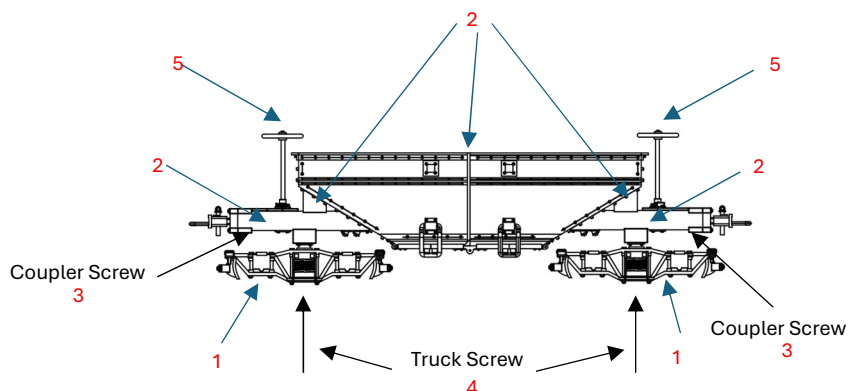
Please read the entire instruction set before starting the build, and remember that resin 3d printed parts can be fragile so proceed with care. The trucks have their own set of instructions, and I suggest you start there.

General Instructions

Follow these steps for building the kit.

1. Paint and assemble the trucks (see separate instructions).
2. Paint the ore car itself. The ore car is printed in one piece. See color callouts below.
3. Using the 1.4mm screws provided – attach the link and pin coupler to the frame. The coupler has a slot that is larger than the screw and is meant to move side to side.
4. Using the 1.4mm screws provided – attach the trucks to the frames.
5. Install the brake rod and brake wheel on each frame. You must supply the 1mm wire for the brake rod.

Note the diagram below does not show the wheelsets.



The ore car is printed in one piece but the instructions address the bin and frames individually.

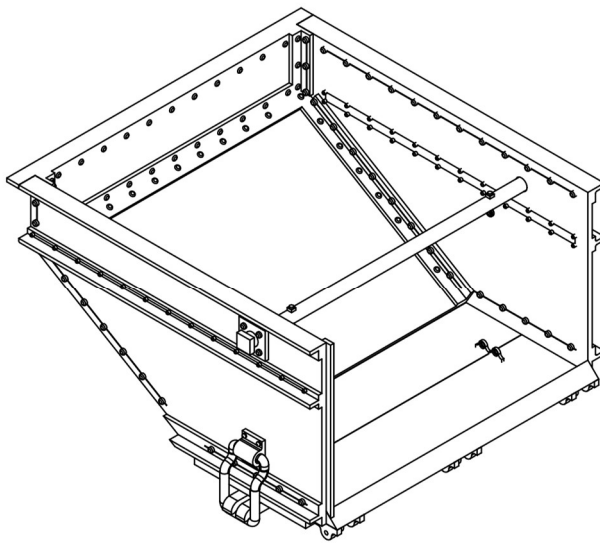
Bin Instructions

This page illustrates the bin. The bin and frames come in one piece.

The Ore Car Bin

Color Callouts.

The ore car comes in one piece, so no additional assembly is needed other than the brake wheel. The bin was constructed from ¼" steel so it would have been left to rust. A rust colored paint on the outside of the bin would be appropriate. The inside of the bin would be rusted, but also polished from all the ore being dropped in and then dumped out. Don't forget to highlight all the cool details on the bin – rivets, hinges on the bottom, dump handles on the side. The diagram below is a cut-away of half the bin.



Frame Instructions

This page illustrates the frame and provides additional construction details.

The Ore Car Frame

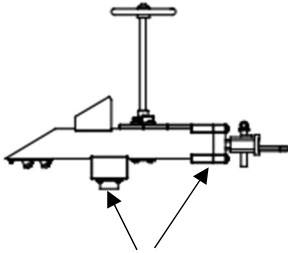
Color call outs:

The frame was made from wood. I doubt they painted it, but this is not known. It would be dirty, greasy, and dusty.

There are NBW's and other brackets bolted to the wooden beams. These are steel or cast iron and would be greasy and rusty.

Assembly Instructions

1. Using the 1.4 mm screws attach the trucks and couplers to the frame.



There are two holes in each side of the car. One is for attaching the coupler and the other is for attaching the truck. The 1.4mm screws self-thread into the holes. You might want screw them in and then back them out once before attaching the trucks and coupler.

2. Attach the brake rod and brake wheel.

You might need to open the hole in the gear where the brake post goes. Use a 1mm drill bit. DO NOT use a power drill. The rod goes through the hole and rests in the bracket underneath.

You may need to open the hole in the brake wheel as well. The hole does not go all the way through the brake wheel.

There is a brake wheel on both sides of the ore bin. The Gilpin did not have a centrally connected set of brakes, so each truck is braked individually.

