

HOn30 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 the 1 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. You should also visit the website for lots of information on the Gilpin Tramway including historical, modeling, and how to hike the right of way.

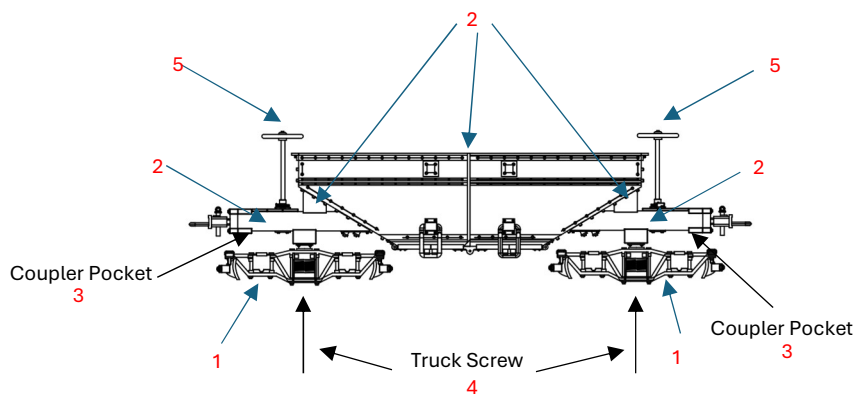
Please read the entire instruction set before starting the build and remember that resin 3d printed parts can be fragile so proceed with care.

General Instructions

Follow these steps for building the kit. See details below.

1. Paint and assemble the trucks. See color callouts below.
2. Paint the ore car itself. The ore car is printed in one piece. See color callouts below.
3. Press fit the couplers into the coupler pocket.
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 .6mm wire for the brake rod.

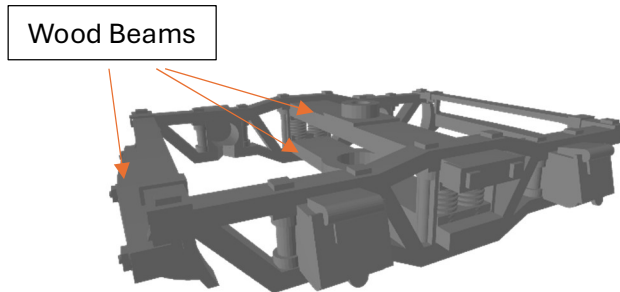
Note the diagram below does not show the wheelsets.



Color Callouts

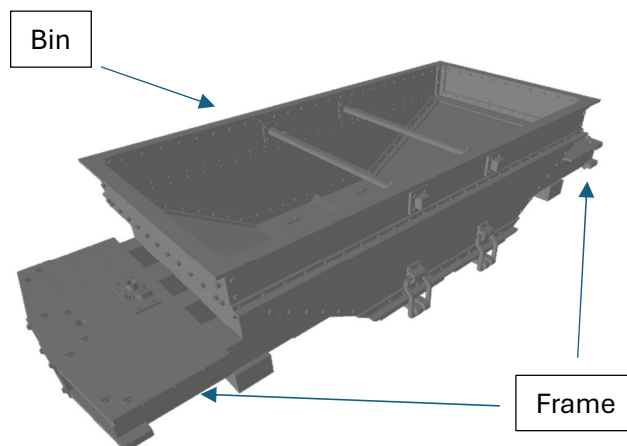
Trucks

The truck comes in one piece. The frame of course is metal. Most modelers will paint the frame black and highlight with rust. There are lots of bolt head and nut detail which should be highlighted. The two cross beams are wood and the beam that the brake shoes attach to is also wood.



The Ore Car Bin

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.



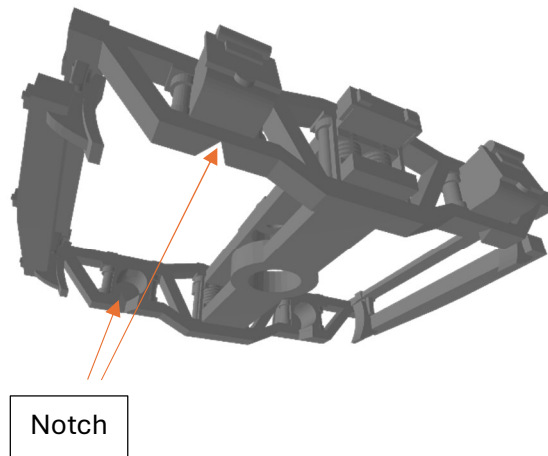
The Ore Car Frame

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.

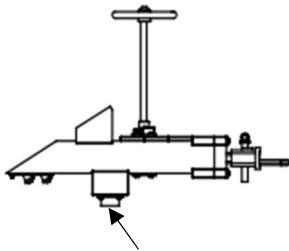
Truck Assembly Instructions

1. Add a bit of graphite lubricant to the hole in the journal box.
2. Attach the wheelsets to the trucks. The wheelsets will press into place. Place one axle end completely into the journal box. Line up the other axle end with the notch in the other journal box. Gently press with your thumb until the wheelset pops into place. DO NOT hold the truck by the brakes as they will break easily. If it won't pop into place easily then you may need to file the notch opening a little larger.



Car Assembly Instructions

3. The car is designed to be used with a Kadee 705 HoN3 coupler. The coupler housing will press fit into the ore car frame. You might need to file the opening a little to get it to work.
4. Using the 1.4 mm screws attach the trucks to the frame.



There are two holes in the bottom of the frame. 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.

5. Attach the brake post and brake wheel.

You need to supply some .6mm wire as the brake post. You might need to open the hole in the gear where the brake post goes. Use a .6mm 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.

