



## HON3 LOGGING DISCONNECTS

CM\_WT002\_HON3

### INTRODUCTION

Thank you for purchasing this kit from Colerain Models! I hope you enjoy building and running these little 4 wheel logging disconnects. Couplers and decals are not included in this kit so that you can use the couplers of your choice. The link and pin coupler is present on one side of each model so that you can couple the cars in pairs. Kadee 714 couplers can be fitted to the model opposite of the link and pin couplers.

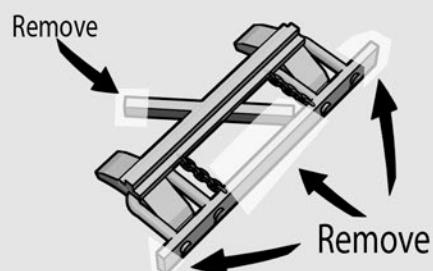
### PRE-ASSEMBLY

The body of the kit is 3D printed in a durable resin. The nature of this process leaves a few traces you'll need to clean up before proceeding with assembly. First, here may be small "nubs" left over from the supports used to print the model. Second, there are lines or "steps" left over from how the model was built up. These can be sanded smooth with fine grit sanding sponges like the Tamiya sanding sponge sheets. Compared to some resin castings, the end result of the rapid prototyping process is quite good. Some of the areas actually benefit from the steps as they look like wood grain. On the Journals, I used a small flat head jewelers screwdriver to scrape the surface smooth. You can use fairly strong pressure when scraping.

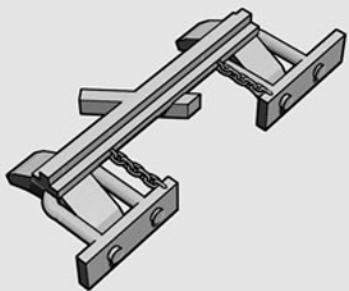
### STEP ONE - WHEELS & COUPLERS

As mentioned above, the body is designed to accept Kadee 714 couplers. You can use the screws included with the Kadee couplers, or you may want to CA or epoxy the coupler box in place when you've got them set. No shimming should be necessary, but you should check the heights of the couplers with other rolling stock or engines to make sure. Install the wheels once the couplers are installed by inserting one point of the wheelset in one side and gently bend the opposite journal out to snap the other point in. If you pry too hard and break off the journal, CA works well to glue it back together. You shouldn't have to apply so much force that the journal breaks though.

### STEP TWO - BRAKE GEAR

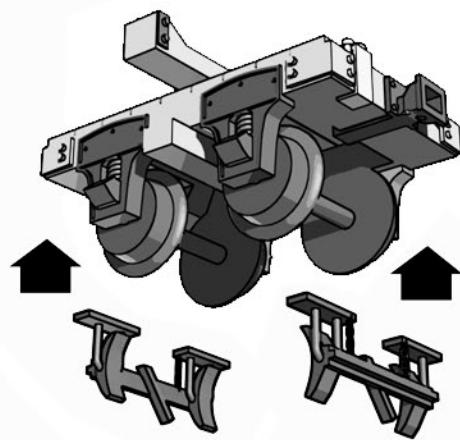


1-A



1-B

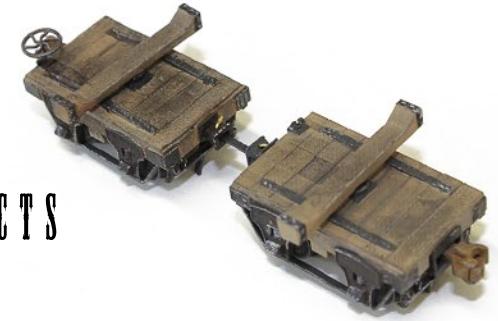
The brake gear included in the kit is from Rio Grande Models and is beautifully cast in white metal. These brake hangers need a little clean up to fit the model. Remove any flashing from the brake hangers and remove the areas shown in illustration 1-A. The finished brake hanger should look like illustration 1-B. File the top of the brake gear where the hanger "U" bolts penetrate the main bar where it will attach to the car. Next, file the bottom of the car where the brake hanger will be attached on all four corners. Finally, use a fast setting Cyanoacrylate (CA) glue or epoxy to glue the brake beams on as shown in illustration 1-C.





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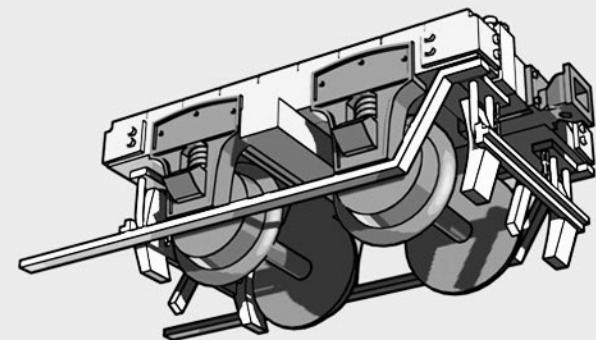


### STEP THREE - SUPPORT STRINGER

The support stringer is constructed using the supplied styrene strips in the kit. Begin by applying a small amount of CA or epoxy to the end beam. Bend an approximate 45 degree angle in the styrene taking care not to break it. Apply the stringer to the pool of CA and hold for 30 seconds to ensure it's attached. Next, add CA to the bottom of the Journal box and bend the styrene and attach to the bottom of the Journal as shown in illustration 2-A. Next, apply CA to the bottom of the second Journal and attach the stringer to that Journal and hold for 30 seconds. Finally, add a pool of CA to the other end beam and bend the styrene stringer to attach as shown in illustration 2-B. Repeat for the opposite side.

### STEP FOUR - BRAKE WHEEL

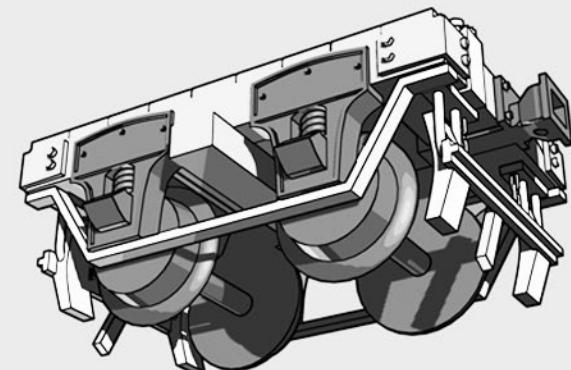
The kit includes a laser cut brake wheel from Vectorcut and a small section of wire. Next drill a #78 (approx) hole through the deck in the location shown in illustration 2-C. Simply glue the brake wheel to the post.



2-A

### STEP FIVE - LOG BUNK

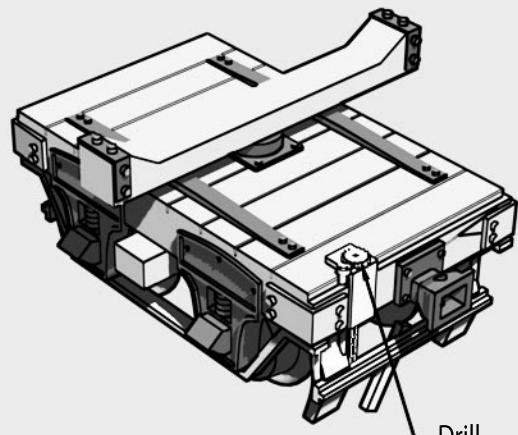
The log bunk is a separate piece in the kit. The bunk is modeled with a small post on the bottom side and the plate on the deck of the disconnect has a hole to receive this post. Simply CA/glue the bunk's post into the hole. Optionally, you can remove the post, drill out the bunk and secure a screw through the bottom of the deck so that the bunk swivels on the screw. You may wish to paint the bunk and the body of the car prior to attaching the bunk to make painting both pieces easier.



2-B

### STEP SIX - PAINTING

I paint the wood areas first as it is the largest part of the car. I chose to brush paint the car simply because it was easier than handling the car while airbrushing. You have to make sure the car is free of any of the waxy support material prior to painting. The acetone soak in the first step should've removed all of it but if any is left, use a small piece of paper towel and a tweezer to wipe it away. I've found that either Tamiya Dark Yellow or craft store Folk Art "Barn Wood" acrylics work well to simulate wood on the cars. The rest of the metal pieces are painted with Tamiya 50% flat black & 50% red brown. Dust the car with some chalk powder (black and rust) for weathering.



2-C

### STEP SEVEN - LINK & PIN

The draw bar and link and pin are simply made up using the basswood bar in the kit and the styrene strips used for the stringers. Cut to size and drill a small hole in the ends. Use the supplied brass wire to make up small pins.

I hope you've enjoyed building this unique little car and you consider some of the other cars in this series. You can find more at: [www.colerainmodels.com](http://www.colerainmodels.com)

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