

N Scale BCR TOFC Instructions

Thank you for purchasing this kit. It is a fairly simple build, and all parts except for trucks and couplers are included. Pay attention to the text and refer to the photos to ensure a correct and easy build.

You will need the following items and supplies to complete this kit:

#47 drill bit

#79 drill bit

pin vise

XActo knife with fresh #11 blade

400 grit sandpaper

Micro Trains Bettendorf trucks with low profile wheels and without couplers

Micro Trains 1015 couplers

CA glue



Included are the following printed parts:

- 1 body
- 2 hitches (one down, one up)
- 2 coupler boxes
- 2 end ramps

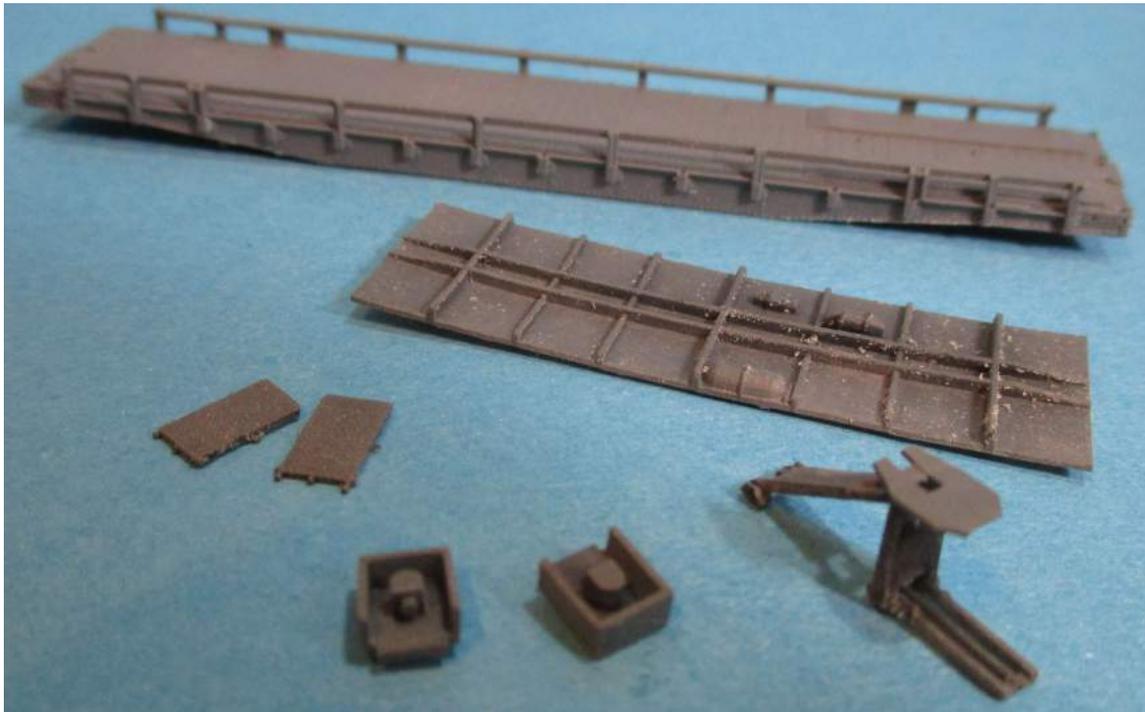
Included are the following etched parts:

- 10 grab irons (8 required)
- 4 stirrup steps
- 2 cut levers
- 1 brake wheel
- 1 brake wheel rod
- 2 ramp braces
- 1 brake rod assembly

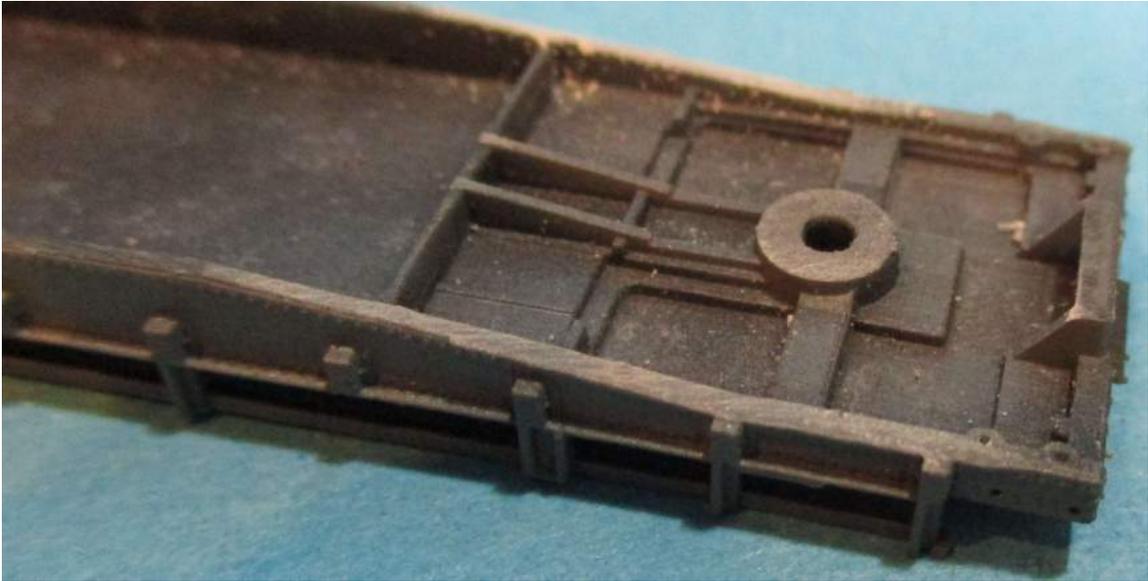
2 tie down sets (optional for installing trailers to car)

Construction:

1. Carefully use an XActo knife with a fresh #11 blade to remove the parts from the sprues. Use 400 grit sandpaper to clean up the attachment points. (I primed the parts in my kit to make it easier to photograph.)



2. Be careful with this step that you don't drill through the deck. Clear out the bolster pin holes #47. If you are using Micro Trains coupler pins, insert them with the trucks and test for swivel. 2-56 screws will thread right into the same size holes. When you are happy with the trucks, remove them and set them aside.

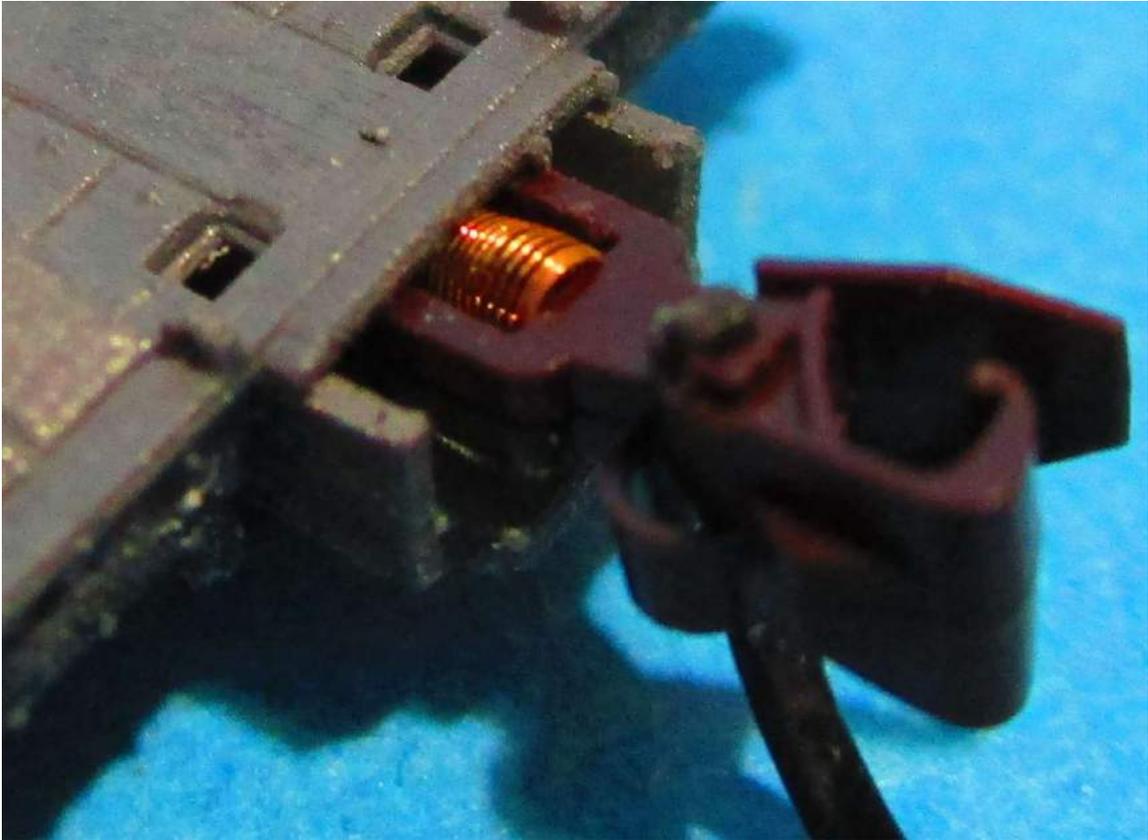


3. Trim the little nubs off the coupler shafts. 4. Assemble the couplers, insert them in the boxes, then slightly insert the coupler boxes into the frame pockets.





4. Insert the coupler springs into the boxes, then push the couplers the rest of the way in.



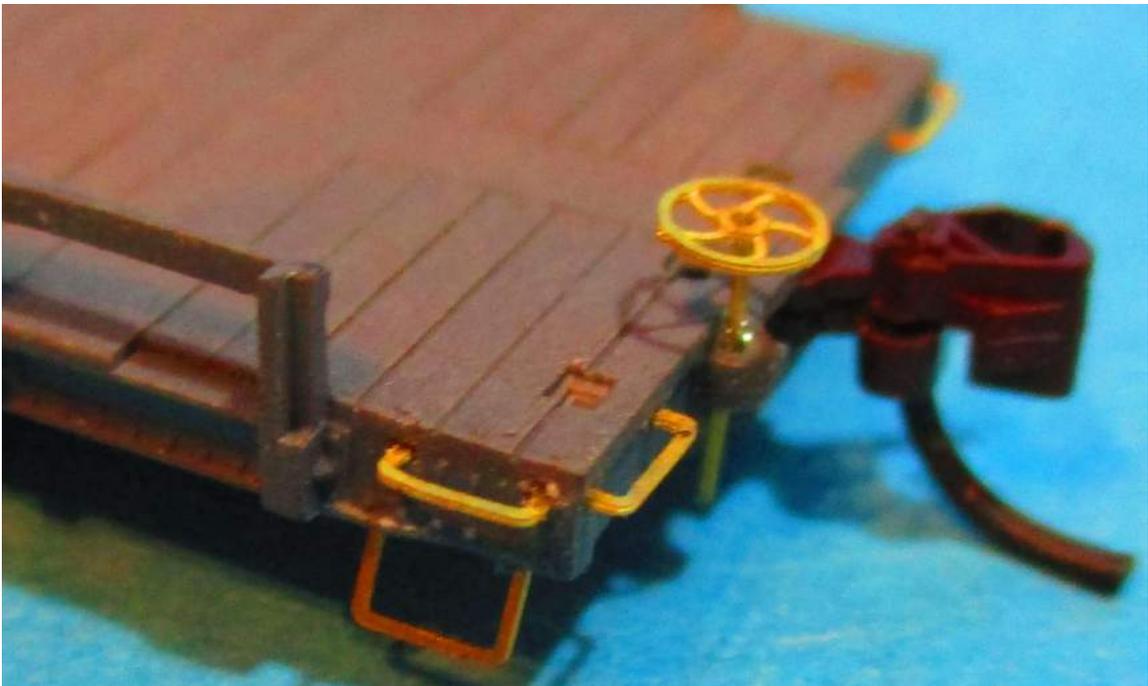
5. Glue the two weights in place in the underframe recess. Glue the underframe over top of them. Make sure the brake cylinder is pointing towards the brake wheel bracket.



6. Remove the brake rod assembly from the fret and glue it to the underframe.

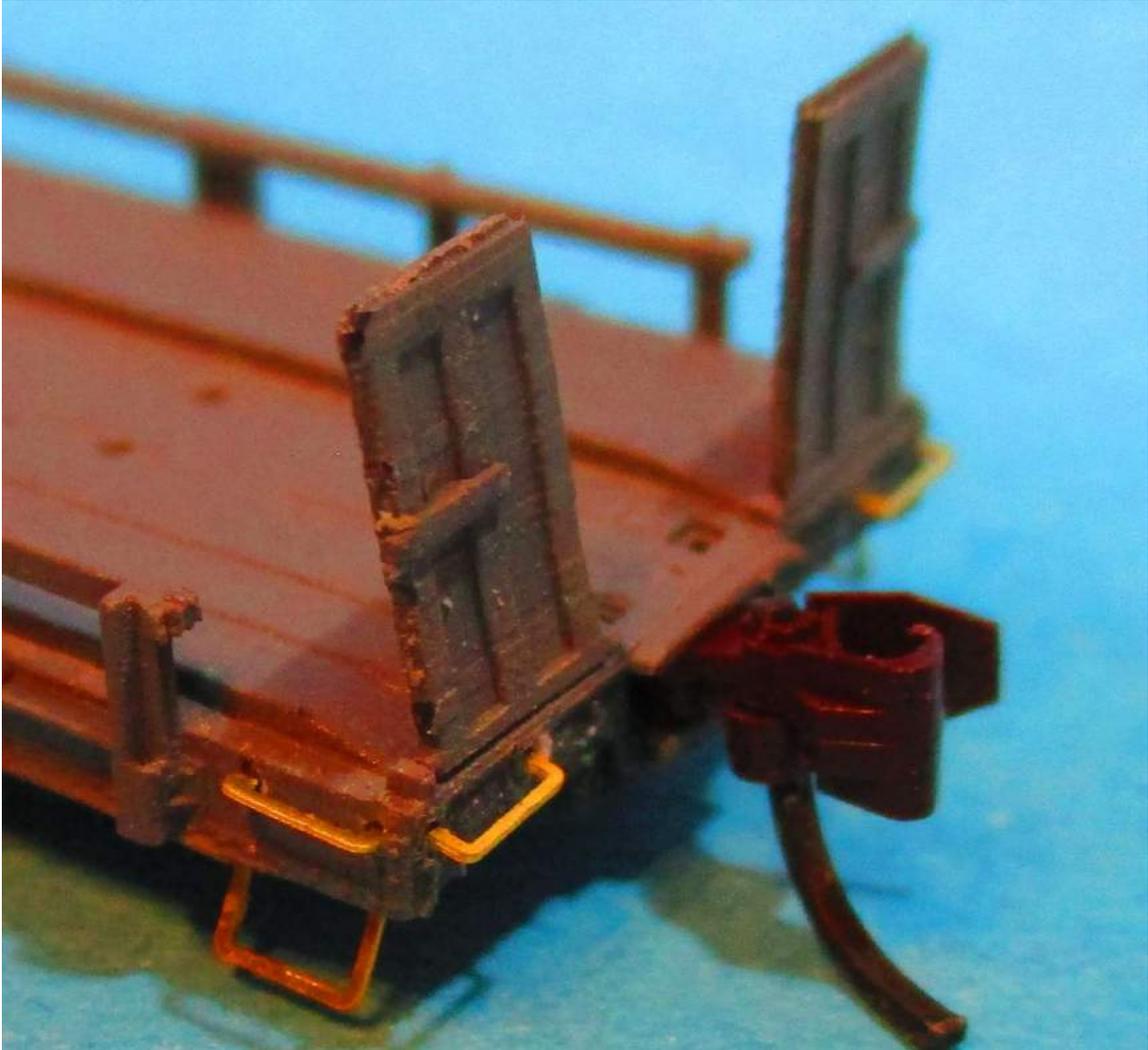


5. Drill the grab iron and stirrup step holes, as well as the hole for the brake wheel rod, #79. With your XActo knife, remove these items from the fret, then glue them in place. Glue the brake wheel to the brake rod. Glue the brake rod in place in the position you wish. Bend out the stirrup steps to match the photo. This is prototypical.

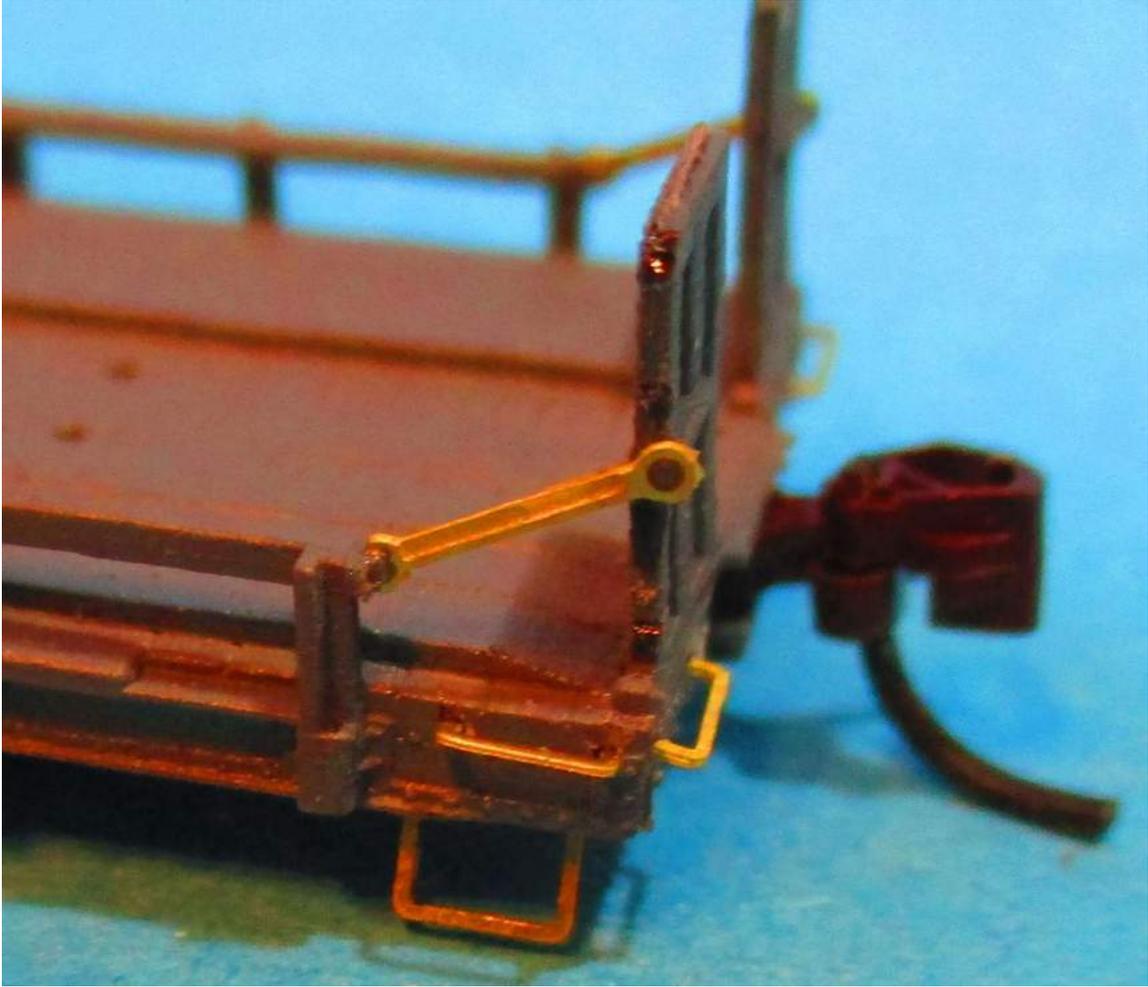


4. Place the deck ramps in position with the nubs on the end between the brackets

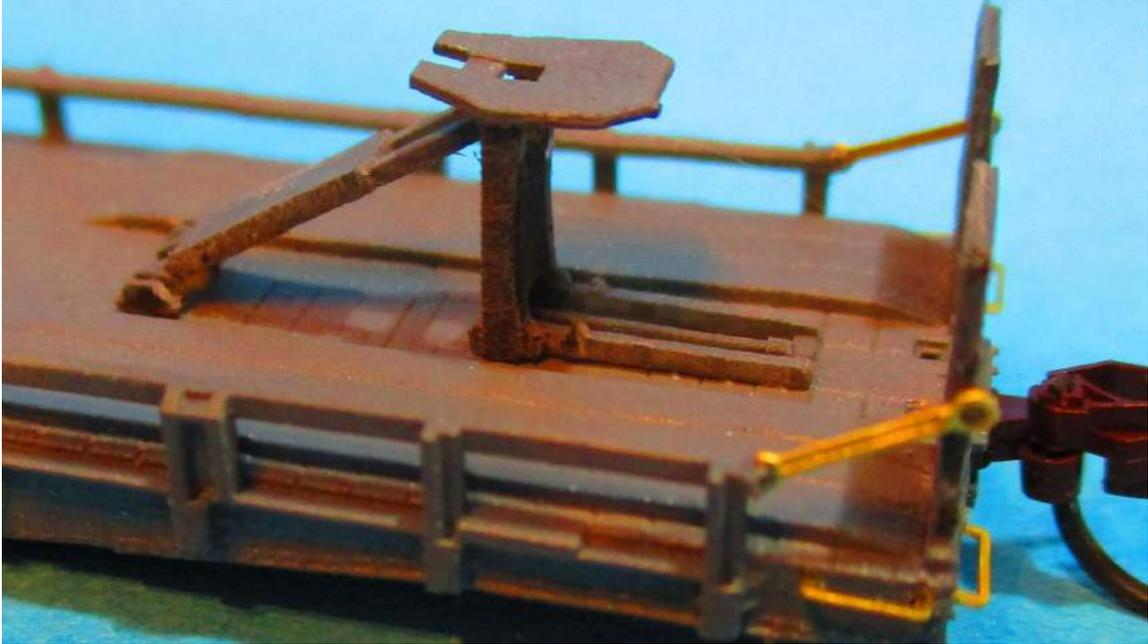
printed to the deck, and the nubs in the middle facing outwards.



5. Remove the ramp brackets from the fret and glue them in place over the nubs, and to the brackets cast to the end of the rub rails.



7. Install the hitch. There are locating holes in the deck, and it only fits in one way.



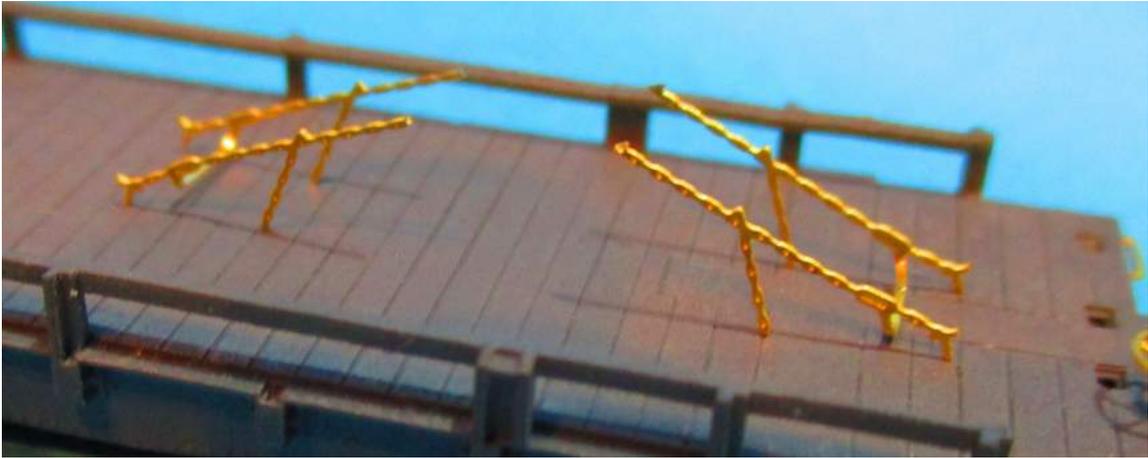
9. Remove the cut levers from the fret. First bend over the end, then bend in the bracket. Glue them to the bottom of the end sill and the coupler box.



This photo is a demonstration of how to bend the tie down chains and how they should interface with the deck. It requires a permanent mounting of the trailer, and BCR did

not use them often.

Paint and letter your car as desired, then re-install the trucks.



Some final shots of the assembled model.

