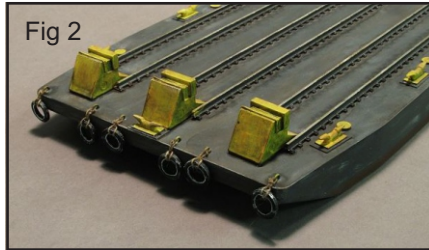


FRENCHMAN RIVER MODEL WORKS 169' 3 TRACK CARFLOAT

Install tie down points. Cut supplied jump rings in half (be sure to save 5 for later use). There are faint marks on the castings between the rails as well as along the stern of the float to be used to locate these. They are located approximately 3-5/8" and 7-1/2" from the bow on the 2 outer rails and 10-1/4" from the bow for the center rail. There are 6 tie downs across the stern. Glue the half jump rings to these points.



Painting Suggestions:

- We recommend a good quality automotive primer before you detail your kit to help the paint adhere. In addition, the dark gray primers have a nice, prototypical finish and color. Now is an ideal time to do this. If you paint the rail, clean the top of the rails with fine sandpaper for a prototypical look.
- Carfloats were painted according to their particular railroad's preferences. Many times the track bumpers and manhole covers were painted to match the railroad's paint scheme. Most carfloats had safety yellow cleats.
- Use powdered chalks and washes to weather your carfloat to your liking.

Protect

After you have weathered your kit we recommend carefully spraying it with an acrylic matte finish spray to protect and seal the paint. Be especially careful with the first coat as the solvents may soften your paint and cause it to run.

Final Details

- Using the supplied rope, tie the tire bumpers to the 6 loops at the stern of the hull. You may want to use a drop of glue on the knots to secure them. Fig 2
 - Cut the chain into 5 equal pieces (3"). Using a jump ring, attach each piece of chain to the 5 metal loops in between the rails on the bow section.
- *On the real carfloats these chains were wrapped around the couplers of the freight cars to prevent them from moving during transport. The multiple chain placement allow for proper centering of the freight cars whether transporting 2 or 3 per side.
- 64' extension pieces are available at Frenchman River Model Works website (www.frenchmanriver.com). These extension pieces can be added between the bow and the stern hull sections to allow you to build longer version of the 3 track carfloat.

Thank you for purchasing this kit. We hope you enjoy building and displaying this 3 Track Carfloat as much as we have enjoyed producing it. If you have any questions or comments, please email us at: frenchmanriver@gmail.com or send a letter to the address below.



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Frenchman River Model Works

KIT #152

HO 1:87 SCALE

169' 3 TRACK CARFLOAT



This kit is primarily based on a 169' B&O 3 Track Carfloat in operation during the 1950's and 1960's. This float is also very typical of the floats used by other railroads during this time as well as in earlier eras.

Float Bridges were used to connect the Carfloat with the railroad on the shore allowing loading and unloading of freight cars. One type rested on a pivot on the shore end and the end connecting to the float rested on a pontoon allowing it to rise and fall with the tides.

You may scratch build your own float bridge or you may wish to purchase a float bridge kit available separately from Frenchman River Model Works.

Cautions

- Kit contains small and/or sharp parts
NOT SUITABLE FOR CHILDREN UNDER THE AGE OF 14!
- Always wear your safety glasses when you are working with CA glues and when cutting, shaping, or snipping parts and when painting.
- Also use adequate ventilation when working with glue or paint.

Kit Contents

Resin Parts

- 2 Hull Halves
- 3 Track Bumpers
- 6 Tire Bumpers

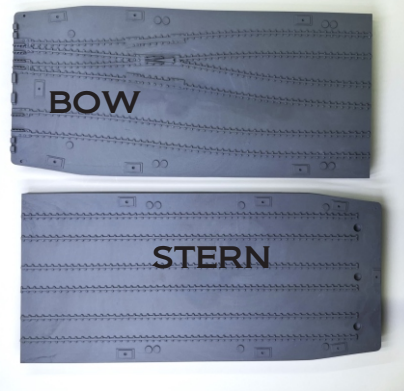


Metal Parts

- 8 54" Cleats
- 6 45" Cleats
- 2 Bridge Hooks

Miscellaneous Parts

- 1 Rope
- 1 Chain
- Jump Rings



Nautical Terms

For the landlubbers among us, here are a few nautical terms.

Bow: The forward most part of the boat

Fore: Towards the bow of the boat

Stern: The aftermost end of the boat

Aft: Towards the stern

Starboard: The right side of the boat when standing on the deck facing forward

Port: The left side of the boat when standing on the deck facing forward

Recommendations

Before assembly or painting, read and understand assembly sequence. Some items in the kit may be difficult to paint once the kit is totally assembled, so you may want to pre-paint some parts/assemblies as you go. You may paint your model with any hobby paints, acrylics, oil/enamels or lacquers. We recommend using powdered pastel chalks in yellows, reds, browns, and black, brushed on with a fairly stiff short bristled paint brush for that old weathered and dirty look. After painting, assembly, and detailing, we recommend misting on a few coats of gloss or matte acrylic clear spray (depending on the look you are after). **Caution:** Mist lightly and allow to dry a few minutes between coats to prevent solvents in spray from softening and possibly causing the paint to run! Use your imagination and above all, have fun!

We recommend that you use cyanoacrylate instant glue (C.A. Glue) to assemble your kit as regular plastic cement will not work on resin kits. We also recommend that you purchase or make a one-drop glue applicator. You can use a thin piece of wire or a large needle and bend a slight hook at one end, dip this hook into a drop of CA glue and it will apply a drop of glue exactly where you want it. A dental pick with a hooked end or even a small crochet hook works great. You may also use this glue and your glue applicator to fill small air bubbles and gaps in the resin parts. Our kits have very little "flash" and require very little cleaning, however, it is hard to totally eliminate some small air bubbles and gaps on certain cast resin parts, but they are easy to fill. You can fill these with hobby putty/filler or, our favorite method is to spray the spot to be filled with CA Accelerator then apply a drop of glue with the applicator. It will usually set up instantly. Repeat until the void is filled slightly above surrounding surface. When it's set up, sand smooth and you're finished. Frenchman River Model Works offers a line of quality products to assist you.

Assembly

Clean

- Even though our parts require very little cleaning, there will be some areas such as parting lines that will need some work. Using a fine, flat needle file, sharp hobby knife, and/or sand paper, clean areas as needed. Be careful you don't sand off any details. Fill any air bubbles using the techniques described in "Recommendations".

Scrub

- Wash all parts thoroughly before assembling or painting. The parts may have mold release on them from the casting process which may prevent the paint from adhering. Scrub all cast metal and resin parts with dish soap and/or an abrasive cleanser such as Comet and hot (tap) water. Use an old toothbrush to get into all the details on the parts, rinse and let dry.

Assemble the Hull

- Be sure you work on a FLAT surface to ensure a good fit. Also, please protect your work surface (wax paper works great!) as it is easy to accidentally get glue on it! Thin CA Glue works by capillary action!
- Line up the hull halves. You may need to slightly shim up one side or the other to make the deck even across the joint.
- Make sure the 2 halves of the hull are aligned on the sides, then apply the glue along the seam being careful not to glue your hull to your work surface as it will quickly wick through the joint!
- An alternative method to glueing with super glue or epoxy would be to drill 2 holes in the adjoining ends of each section and use wooden dowel pieces to mechanically fasten each section to the next. This may provide a stronger, tighter joint in the long run.

Install Your Rail

- Choose the size of rail you wish to use (Code 100 or Code 83). If you prefer smaller rail you may need to make some modifications on the carfloat to maintain the track gauge. A small nail file makes a good tool to remove any material along the sides of the rail bed.
- Cut rail to length to match the rail bed on the carfloat.
- Test fit each length of rail holding it in place and using a track gauge, check along the length of the carfloat to make sure it is within standards. Glue the rails in place using your preferred glue. We used thin CA glue applied along the edges of the rail where it meets the resin rail bed. NOTE: If you have problems securing the rail, you may want to consider drilling holes in the resin and using some rail spikes for a mechanical bond.
- If using smaller than code 100 rail, you may want to file down the tops of the re-railers between the rails at the end of the carfloat as well as the frog assembly to match the height of the rails.
- Cut 2 pieces of rail 1.725" long (each). Carefully bend a slight angle .25" from each end to create a re-railer for each side of the frog assembly. Test fit these re-railers and carefully file the rail chairs to accommodate the correct spacing as needed.

Add Detail Parts

- Glue the 6 (45") cleats to the 3 bases located at each end of the float. Fig 1
- Glue the 8 (54") cleats to the remaining bases.
- Glue the bridge hooks to the deck using the holes and scribed lines indicated at the bow of the float. Be sure they are pointing aft. Fig 1
- Glue the 3 track bumpers in place between the rails at the stern of the hull. They should fit snugly in between the rail chairs. Fig 2

