

Resin Car Works Load 02 - Transformer Load

Introduction

Thank you for your interest in Resin Car Works and this offering. Resin Car Works is not a business in the traditional sense. Its purpose is to share in the fun of prototype railroad freight car modeling and their operations with others to provide unique and different equipment that isn't readily available. Several friends, assisted with various production phases so it's not quite a one-man project. To list a few who helped with production I would like to thank: Andrew Dahm of Westerfield for his gorgeous castings; Ken Soroos for the creating the instruction and labels; and to Eric Hansmann the keeper of the website and blog. The kit is composed of a pair of one piece resin castings for the transformers and wood crates, along with other small resin parts and Tichy turnbuckles. The modeler is to supply any other materials such as wire, styrene and paint to finish the model. The purpose of the transformers and crates is to create a load, but they can be used anywhere that an electrical power source would be needed (sorry but the flat car isn't included).

Warranty

All sales are final. There will be no exchanges or returns. Resin Car Works will replace any part(s) found to be defective due to manufacturing or shipping to the original purchaser within the first 30 days after shipment. The damaged part(s) must be sent back with your request for replacement. As these are limited production kits don't ask for replacement of parts that you damage or lose after the 30 day period.

Liability

Resin Car works will not be responsible or held liable for any and all personal injury and/or health problems, short and/or long term that may result from the use and/or misuse of tools, adhesives, materials, castings, paints or any other product(s) used to construct and/or contained in this kit. This kit contains polyurethane castings. Although non-toxic in its cured state, dust is created during filing, sanding and drilling. Air circulation and/or ventilation should be provided. Always work in a well in a well-ventilated room. Wear a dust mask or respirator and safety glasses for projection. Always wash your hands when you're finished working.

The Kit

These transformers represent oil cooled units that are being returned for or from rebuilding. The transformer design is from the Twenties, so they can be built new for that era or used into the 60's when transformers of these type were replaced.

Construction

Always as a first step it's recommended that the castings be washed in warm water with Dawn dish soap. A good color to represent a refurbished transformer is a medium gray. I use Testor's Model Master Enamel, medium gray, FS 35237 (#1721), but your paint of preference will work just as well. Its recommend that if the transformers are to be used as a load that a piece of 0.040" styrene be attached to the underside as a connection point. Double sided masking tape allows the boiler to be attached to the car but will also allow the load to be removed.

As these are one piece castings there isn't much to do as far as assembly. Add the radiator and motor bracket using the photos as a guide. You can also add the motor but this was most likely shipped in the crates along with such other parts as the insulators. Resin parts are supplied for the blocking. Attach these to the transformers and crates as per the photo. A handy way to paint small parts is to attach them to a paint stirring stick with double sided masking tape. The crates are painted with Testor's Model Master random tan, FS 33613 (#1709), with a little yellow mixed in. When dry they were given a very light wash of an oil based black. When that was dry they were dry-brushed with the random tan.

Choice a flatcar on which to load the transformers. The photos show an InterMountain car with new Tahoe trucks that has been weathered. The transformers were tied down with rods running from the top of the transformer to the stake pockets connected by turnbuckles to tighten the rods. Use 0.0125" brass wire (supplied by the modeler) for the rods. Slip turnbuckles over the brass wire before attaching to the transformer and the stake. The rod is attached to the corners of the transformer with a 90 degree bend slipped through the lifting anchors. The crates are held down with scrap etched straps bent around the stack pockets. The straps were painted a khaki color before attaching them to the car.