

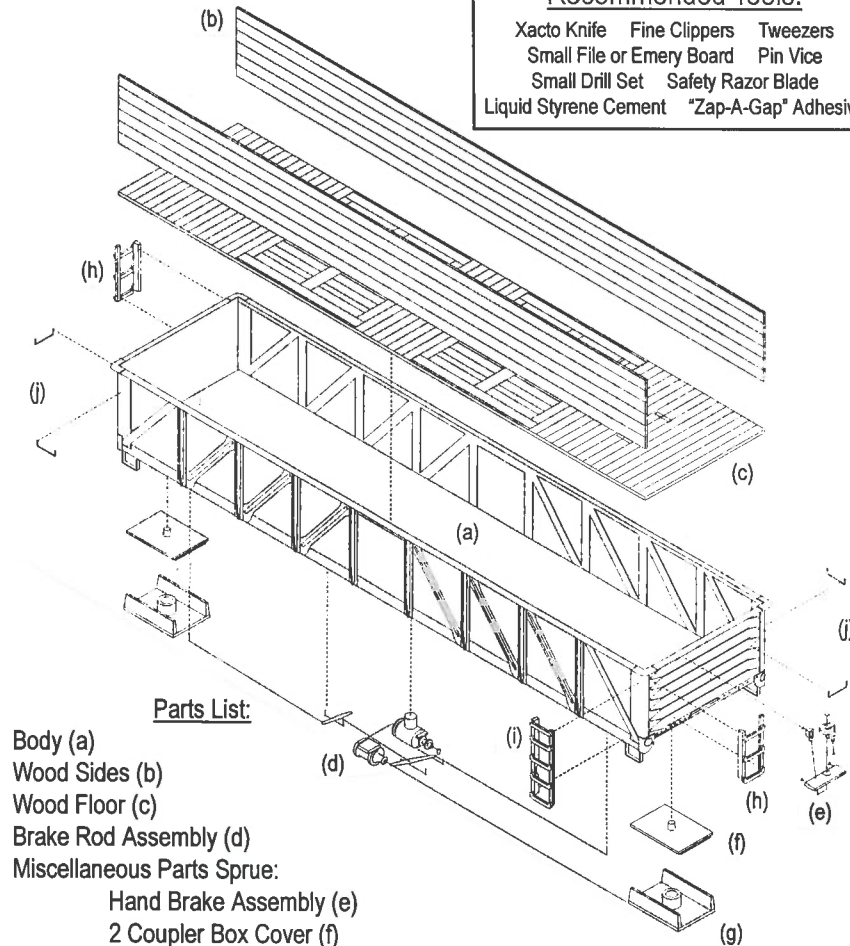
InterMountain Railway Company

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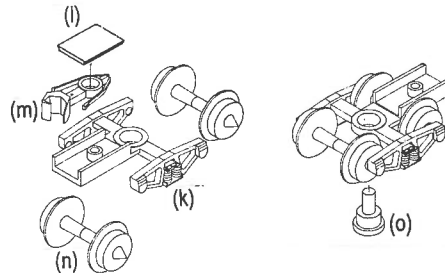
Recommended Tools:

Xacto Knife Fine Clippers Tweezers
Small File or Emery Board Pin Vice
Small Drill Set Safety Razor Blade
Liquid Styrene Cement "Zap-A-Gap" Adhesive



Parts List:

- Body (a)
- Wood Sides (b)
- Wood Floor (c)
- Brake Rod Assembly (d)
- Miscellaneous Parts Sprue:
 - Hand Brake Assembly (e)
 - 2 Coupler Box Cover (f)
 - 2 Coupler Box (g)
- Ladders & Grab Irons:
 - 2 End Ladder (h)
 - 2 Side Ladder (i)
 - 4 Grab Iron (j)
- Trucks:
 - 2 Truck w/Coupler Box (k)
 - 2 Coupler Box Lid (l)
 - 2 Coupler (m)
 - 4 Wheel Set (n)
 - 2 Truck Pin (o)



N-Scale USRA Composite Gondola

GENERAL INSTRUCTIONS:

Please read the instructions and study the drawings and parts before beginning assembly of this kit! Many of the parts are very delicate in order for your completed model to be as attractive and authentic as possible. DO NOT ATTEMPT TO BEND, TWIST OR BREAK PARTS FROM SPRUE. The most effective tools to use in removing parts from their sprue are an X-acto knife, fine clippers, or a safety single edge razor blade.

It is best to test fit ALL parts before applying glue. The locators sometimes are slightly damaged in removing from the runner and must be trimmed before the locator holes will accept them. Generally very small amounts of glue are needed to affix styrene parts, so we recommend that glue be used sparingly.

The connecting point between the part and the "runner" to which it is attached is called a "gate". The gates are designed to be trimmed completely flush with the part except in those cases where the part itself is used as the gate.

ASSEMBLY INSTRUCTIONS:

Step 1: Body, Sides, and Floor

The sequence used in installing these parts is very important as the Sides (b), when in place, are designed to provide a guide for placement of the Floor (c) in the Body (a). Separate the sides and lightly sand or scrape the edges to remove any irregularities. Test fit and glue sides in place. The least detail on the wood sides goes to the outside, and the extensive row of horizontal bolts on the opposite side is positioned to the top of the inside of the car on each side.

Smooth the plastic floor of the body by removing any excess material where the sprue has been removed. The best way to weight this car is with a lead sheet, a sheet of brass, or a stainless steel plate under the wood floor. If you are adding weight, do so now. You must add .75 ounces of weight to bring the total weight of the car up to NMRA standard weight of .95 ounces. After adding weight, test fit the wood floor and glue in place. (NOTE: "Zap-A-Gap" adhesive is recommended for use in gluing wood parts in place.)

Step 2: Underbody Detail

Remove Brake Rod Assembly (d) from its sprue and carefully clean any flash and remainder of gates from the parts. After test fitting, install the assembly on the floor of the body using the ten locator pins and two large locator posts. Note that the assembly can be installed in only one direction on the floor of the body.

Step 3: Side And End Detail

Remove the Hand Brake Assembly (e), End Ladders (h), Side Ladders (i), and four Grab Irons (j) from the parts sprues and test fit, using the exploded assembly view for reference. Glue all parts in place. Note that all of the ladders are positioned with the open end to the top, and the grab irons "hang" below their locators when installed.

Step 4: Trucks And Couplers

Place Couplers (m) in coupler boxes on Trucks (k) and retain by press fitting Coupler Box Lids (l). Add Wheel Sets (n) to truck assemblies. Attach truck assemblies to car using Truck Pins (o). (NOTE: Optional Coupler Boxes (g) and Coupler Box Covers (f) have been included in the parts to body mount the couplers if desired. If couplers are to be body mounted, the coupler box on the truck must be removed and discarded.)