

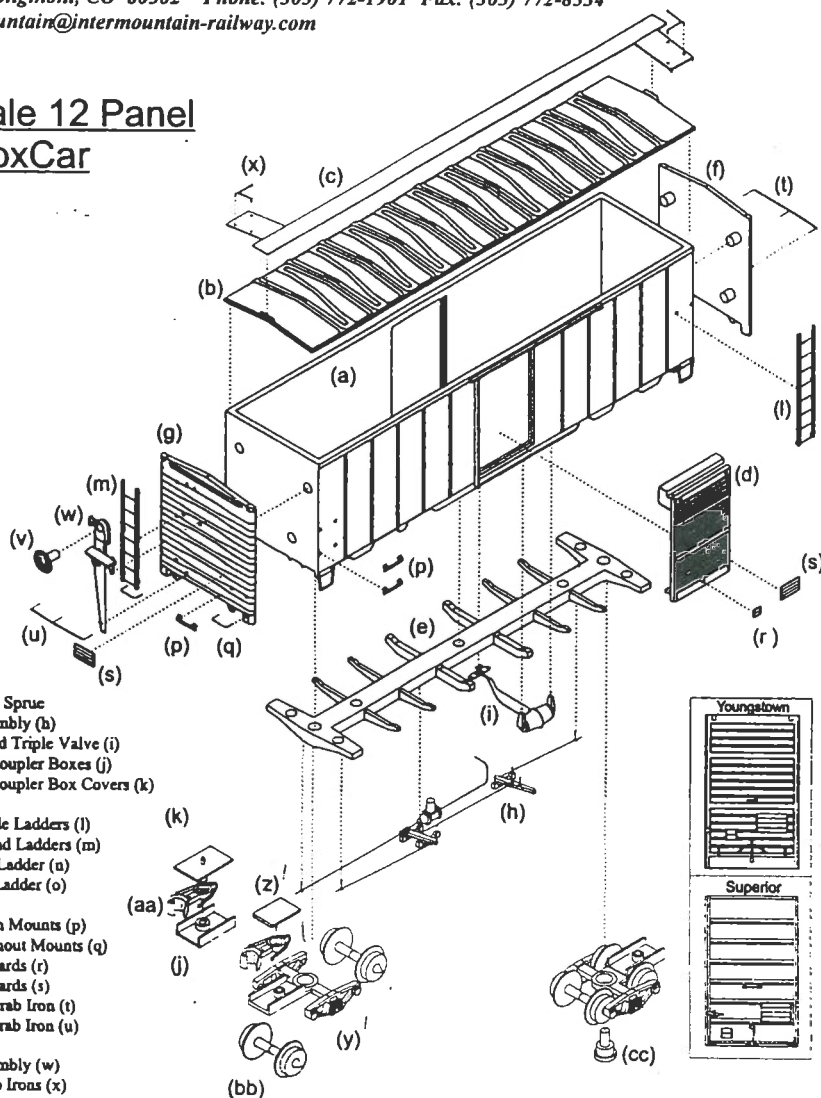
InterMountain Railway Company

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N-Scale 12 Panel 40' BoxCar

Parts List

1. Body (a)
2. Roof (b)
3. Roofwalk (c)
4. Doors (d)
5. Underframe (e)
6. Car End Sprue:
 - "A" End (f)
 - "B" End (g)
7. Underframe Detail Sprue
 - Brake Rod Assembly (h)
 - Air Reservoir and Triple Valve (i)
 - 2 Body Mount Coupler Boxes (j)
 - 2 Body Mount Coupler Box Covers (k)
8. Ladder Sprue
 - 2 Eight Rung Side Ladders (l)
 - 2 Seven Rung End Ladders (m)
 - Four Rung Side Ladder (n)
 - Four Rung End Ladder (o)
9. Body Detail Sprue
 - 8 Grab Irons with Mounts (p)
 - 6 Grab Irons without Mounts (q)
 - 2 Small Tack Boards (r)
 - 4 Large Tack Boards (s)
 - Long "A" End Grab Iron (t)
 - Long "B" End Grab Iron (u)
 - Brake Wheel (v)
 - Handbrake Assembly (w)
 - 2 Roofwalk Grab Irons (x)
10. Trucks
 - 2 Trucks with Coupler Box (y)
 - 2 Coupler Box Covers (z)
 - 2 Couplers (aa)
 - 4 Wheel Sets (bb)
 - 2 Truck Pins (cc)



Recommended Tools:		
X-acto Knife or Safety Razor Blade		Fine Clippers
Tweezers	Small File or Emery Board	Pin Vise
#76 (.020" dia.) Drill	#52 (.063" dia.) Drill	Liquid Styrene Cement

N-Scale 12 Panel 40' Boxcar 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: Roof and Roofwalk

- a) Prepare the Roof (b) by completely removing the four pins on the underside of the edge of the roof.
- b) If the prototype you are modeling includes a roofwalk, install in one of the following ways:
 - 1) Remove the four large locator pins from the bottom of the roofwalk completely. Glue the roofwalk in place on the roofwalk supports on the roof, or
 - 2) Using a #52 drill bit, drill four holes in the roof, locating them at the four "dimples" on the underside of the roof. Test fit the four holes with the locator pins on the roofwalk and glue in place.

Step 2: Body

IF WEIGHT IS TO BE ADDED, DO IT NOW!! NMRA standard weight for this car is .95 oz. You will have to add approximately 1/2 ounce to attain this finished weight. Complete the body by centering the roof on the Body (a), centering the Ends (f, g) on each end of the body, ensuring there is no gap remaining between the ends and roof, and applying the Underframe (e), using locator holes on the body and locator pins on the parts. Glue roof, ends, and underframe in place.

Step 3: Underbody Detail

Test fit and glue Air Reservoir and Triple Valve (i), matching the three locator pins to the three locator holes on the body. Test fit and glue Brake Rod Assembly (h), matching the 11 locator pins to the eleven locator holes, one on the body, and ten on the underframe.

Step 4: Roof Detail

Test fit and glue Roofwalk Grab Irons (x) matching the three locator pins on each to the three locator holes in each end of the roofwalk. Be sure to completely remove the gate, without damaging the locators.

Step 5: Handbrake Detail

Test fit and glue Handbrake Assembly (w) on B end using five locator pins in five locator holes. (The B end has 5 more holes than the A end.) Install Brake Wheel (v) in hole provided on the handbrake assembly.

Step 6: End and Side Ladders

The Eight Rung Side Ladders (l) and Seven Rung End Ladders (m) each have four locators, which are keyed to prevent misplacement. Test fit and glue the four ladders in their appropriate positions. (Parts (n) and (o), short ladders, are used only on cars that have had roofwalks removed, and generally apply to later service dates. Check your prototype information!)

Step 7: Grab Irons

Test fit and install four Grab Irons without Mounts (q), two on each side of the bottom of each end. Install six Grab Irons with Mounts (p), two on the left of each side, and 1 on the right of each end. Using the three remaining locator holes on each end install the Long "A" End Grab Iron (t) and the Long "B" End Grab Iron (u). The long grab iron locators have different spacing to avoid misplacement, but test fit each first.

Step 8: Doors and Tack Boards

The drawing shows typical Tack Board (r, s) locations. Refer to prototype photos or drawings as desired. Glue tack boards in appropriate locations on doors and ends. Slide and snap finished doors into door openings on the body.

Step 9: Trucks and Couplers

Place each Coupler (aa) in Truck with Coupler Box (y) and retain by press fitting Coupler Box Cover (z). Add Wheel Sets (bb) to truck assemblies. Attach truck assemblies to car using Truck Pins (cc).

Now your car is ready to put into service on your rail empire. We hope you have enjoyed building this model. We welcome your comments on this kit, and suggestions for future projects. If you find a part missing or defective, or if you should break or lose one, please contact your dealer or contact us for a free replacement.

THANK YOU FOR PURCHASING AN INTERMOUNTAIN KIT!!