

(b) Install the Left Hand Stirrups (i) and Right Hand Stirrups (j) under the side ladders. In each case the angled side of the stirrup is toward the center of the car.

(c) The location of the Side Tack Boards (q), if they are used, varies from one railroad to another. Please refer to prototype information for your railroad to determine the correct location of the side tack boards.

Step 5: Weights and Roof

If you are going to weight your freight car, now is the time to do it. You will need to add 3 ounces of weight to your car to bring it up to NMRA standard weight.

Once you have weighted your car, carefully test fit the Roof (b) and lightly glue it in place.

Step 6: Doors

Remove the two operating Doors (c) from their sprue and slip them into place.

Step 7: Trucks and Couplers

(a) Install the couplers of your choice using the Coupler Box Covers (s) provided. Lightly glue the coupler box covers in place so that they can be easily removed for coupler maintenance.

(b) Install the trucks to complete the assembly of your 60' PS-1 Single Door Boxcar. You are now ready to add it to the freight car fleet on your model railroad empire!

NOTE: We hope you have enjoyed building this exquisite model. We welcome your comments on this kit and also suggestions for future projects. If you find that a part is missing or damaged, or if you should break or lose one, please contact your dealer or the company for a replacement.

THANK YOU FOR PURCHASING AN INTERMOUNTAIN KIT!!

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HO Scale 60' PS-1 Single Door Boxcar

PARTS LIST

- | | |
|----------------------------------|---------------------------------|
| 1. Body (a) | 6. Body Detail Sprue Continued: |
| 2. Roof (b) | 1 Brake Wheel (l) |
| 3. Door Sprue: | 1 Brake End Step (m) |
| 2 Right Hand Youngstown Door (c) | 1 Non-Brake End Step (n) |
| 4. Underframe (d) | 8 Brake Step Bracket (o) |
| 5. Underframe Detail Sprue: | 2 End Tack Board (p) |
| 1 Underbody Brake System (e) | 2 Side Tack Board (q) |
| 2 Glad Hand (f) | 2 Long End Grab Iron (r) |
| 6. Body Detail Sprue: | 2 Coupler Box Cover (s) |
| 4 Side Ladder (g) | 7. Trucks: |
| 4 End Ladder (h) | 4 Sideframe (t) |
| 2 Left Hand Stirrup (i) | 2 Bolster (u) |
| 2 Right Hand Stirrup (j) | 4 Wheelset (v) |
| 1 Brake Wheel Housing (k) | 4 Brake Beam (w) |

RECOMMENDED TOOLS:

Xacto Knife	Fine Clippers	Single-Edge Razor Blade
Small File or Emery Board	Pin Vise	Small Drill Set
Tweezers	Small Phillips Screwdriver	Liquid Styrene Cement
"Zap-A-Gap", "Super Glue" or equivalent		

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 THEIR SPRUE. The most effective tools to use in removing parts are an Xacto knife, fine clippers, or a single-edge safety razor blade.

It is best to test fit ALL PARTS before applying glue. The locators are sometimes slightly damaged in removing from the runner and must be trimmed before the locator holes will accept them. It is also helpful to open all locator holes with a pin vise using a #72 drill bit. Generally, very small amounts of glue are needed to affix styrene parts, so we recommend that glue be used sparingly. Also, when locator holes extend through the part, apply glue on the inside.

ASSEMBLY INSTRUCTIONS:

Step 1: Underframe and Underframe Details

(a) Remove the Underframe (d) from the underframe sprue. Install on Body (a) being sure to match the small “x” on the underside of one of the bolsters to the small “x” on the floor of the car. This is important as the underframe can be installed in only one direction to assure the underbody detail is correctly installed relative to the brake end of the car.

(b) Remove the Underbody Brake System (e) from its sprue and test fit on the underframe. Glue in place using the locators on the brake system and the locator holes on the car body and the underframe.

Step 2: End Details

(a) Install the end details on both ends of the car in the following order after test fitting:

(1) End Tack Board (p)

The end tack boards are the two tack boards with locator pins to match the two locator holes in the car end. (Refer to drawing.)

(2) Brake Step Brackets (o)

(3) Long End Grab Iron (r)

The long end grab iron is installed with the grab iron to the top of the brackets. The grab iron then will be aligned with the top rung of the end ladder when installed.

(4) End Ladders (h)

The end ladders can be distinguished from the side ladders by identifying the “shoulders” on the lower two locators which are designed to hold the lower end of the end ladder away from the car body.

(5) Brake Steps

The Brake End Step (m) has a hole to accommodate the chain extending from the Brake Wheel Housing (k). The hole is positioned toward the left side of the car end. Install the Non-Brake End Step (n) on the non-brake end of the car. The brake steps rest on the brake step brackets, centered between the end ladders.

(b) Glue the brake wheel housing in place on the brake end of the car, extending the chain through the hole in the brake end step. Install the Brake Wheel (l) using the locator on the brake wheel and the locator hole in the brake housing.

Step 3: Glad Hands

Install the Glad Hands (f) using the two locator holes and the notch on the edge of the bottom of the coupler box on each end of the car.

Step 4: Side Ladders, Stirrups and Side Tack Boards

(a) Install two Side Ladders (g) on each side of the car body using the locators on the ladders and the locator holes in the car sides. The locators on the side ladders are all of equal size while two of the locators on the end ladders are longer and have “shoulders” to hold the lower end of the ladder away from the car body.

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