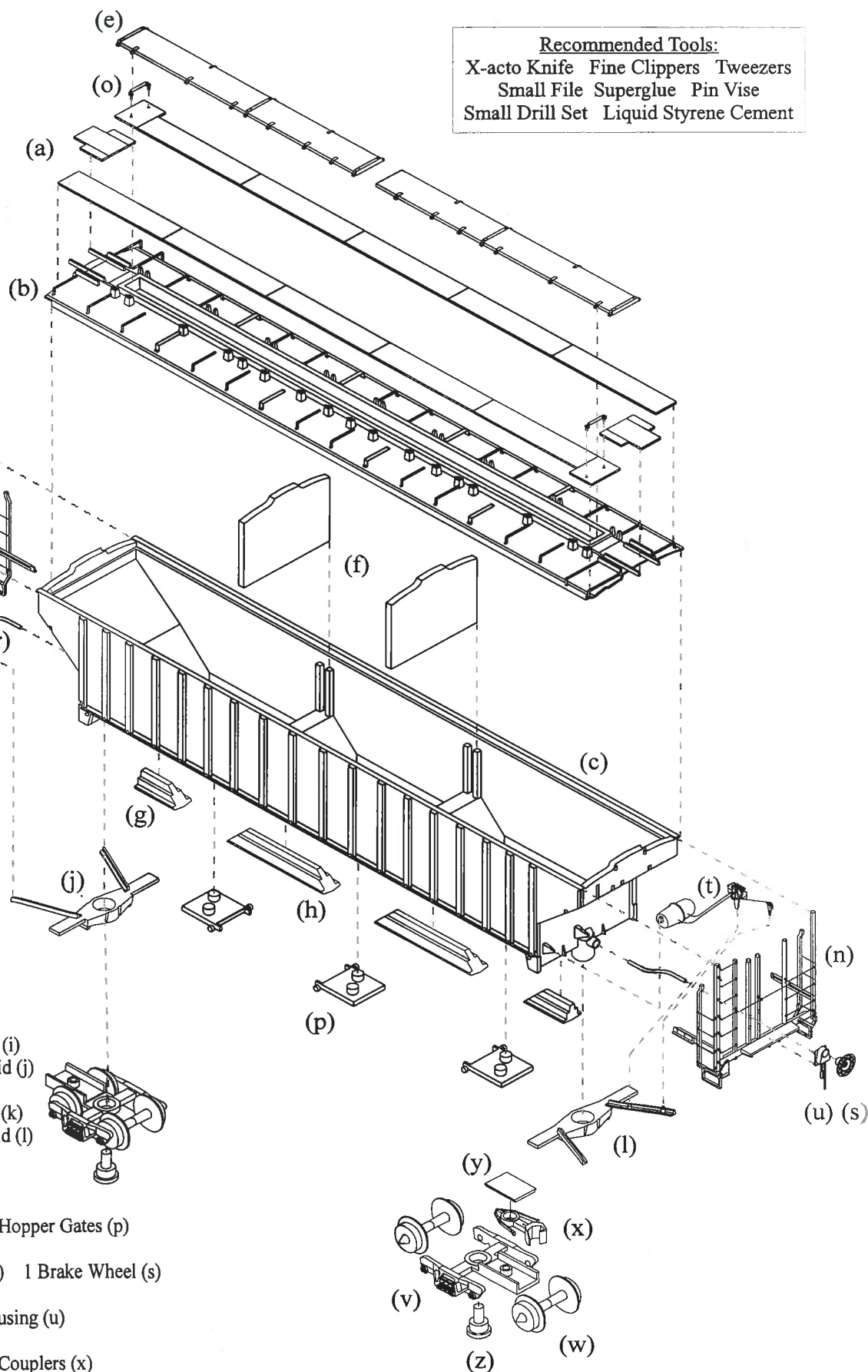


InterMountain Railway Company

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N-Scale 4750 Cu. Ft. PS-2 Covered Hopper



Parts List

- 1: Running Boards (a)
- 2: Roof (b)
- 3: Body (c)
- 4: Hatch Cover Sprue:
 - 2 Ribbed Hatch Covers (d)
 - 2 Smooth Hatch Covers (e)
- 5: Large Detail Sprue:
 - 2 Dividers (f)
 - 2 Short Center Sills (g)
 - 2 Long Center Sills (h)
- 6: A-End Bolster Sprue:
 - 1 A-End Bolster w/Coupler Box Lid (i)
 - 1 A-End Bolster w/o Coupler Box Lid (j)
- 7: B-End Bolster Sprue:
 - 1 B-End Bolster w/Coupler Box Lid (k)
 - 1 B-End Bolster w/o Coupler Box Lid (l)
- 8: A-End Ladders (m)
- 9: B-End Ladders (n)
- 10: Small Detail Sprue 1:
 - 4 Running Board Grab Irons (o)
 - 3 Hopper Gates (p)
- 11: Small Detail Sprue 2:
 - 2 Coupler Boxes (q)
 - 2 Air Lines (r)
 - 1 Brake Wheel (s)
- 12: Small Detail Sprue 3:
 - 1 Brake Gear (t)
 - 1 Hand Brake Housing (u)
- 13: Trucks:
 - 2 Trucks (v)
 - 4 Wheel Sets (w)
 - 2 Couplers (x)
 - 2 Coupler Box Covers (y)
 - 2 Truck Mounting Pins (z)

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GENERAL INSTRUCTIONS

Please read all 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 authentic and attractive 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 or fine clippers.

It is best to test fit ALL PARTS before applying glue. The locators sometimes are slightly damaged when removed from the runner and must be trimmed before the locator holes will accept them. It is recommended that all locator holes be cleaned out with a small drill before test fitting parts. Generally, small amounts of glue are needed to affix styrene parts, so we suggest you use glue sparingly.

The connecting point between the part and the "runner" is a "gate." The gates are designed to be trimmed completely flush with the part, except when the part itself is used as the gate.

ASSEMBLY INSTRUCTIONS

Step 1: Preparation and Installation of Roof and Dividers

Prepare Roof (b) by installing hatch covers (d,e). Any combination of hatch cover types may be installed according to the desires of the modeler. IF YOU ARE GOING TO WEIGHT YOUR MODEL, BE SURE TO DO SO BEFORE GLUING ROOF IN PLACE. (NMRA standard total weight for this car is 1.10 oz. This requires that .60 oz. of weight be added.) Install the dividers (f) in the car body at this time. Install roof assembly on car body, with the trough hatch hinges (there are 17) to the left when viewing the car body from the B-end. (The B-end of the car has four notches on the top end sheet and two locating fins on the lower end sheet. The A-end has three notches and no fins.)

Step 2: Installation of Bolsters, Center Sill, and Hopper Gates

These instructions are written for the use of truck mounted couplers. Remove bolsters (j,l), four center sill pieces (g,h), and hopper gates (p) from sprues. Install the center sill pieces on body first, then the hopper gates, referring to assembly diagram for proper orientation. Install bolsters, noting that the B or brake end bolsters have locator pins on the diagonal brace for location of the brake gear. If body-mounted coupler boxes are desired, use the bolsters with the integral coupler box lids (i,k) and remove coupler boxes from trucks. (Using body-mounted coupler boxes will limit the minimum track radius.)

Step 3: Completion of A-End

Remove airlines (r), and A-end ladders (m) from sprues. Set one airline aside, and install the other in hole on back of end sill feature of A-end ladders. Attach end ladder assembly to A-end of car body. Use notches on car end to locate ladder stiles and the notches on end of car body side sill to locate ladder side sills. The notches on back of end sill feature of ladders locate the diagonal braces on the top of the end sill. Ensure airline enters center sill hole of car body.

Step 4: Completion of B-End

Remove B-end ladders (n), brake gear assembly (t), handbrake housing (u), and brake wheel (s), from sprues. Be sure not to trim locators from ends of air tank on brake gear assembly. Install remaining airline from previous step into B-end ladders. Attach brake gear assembly to car body, using the shelf-like standoffs on the B-end to locate the air tank. Standoffs on the triple valve and regulator valve meet matching standoffs on the diagonal brace. Attach ladders to B-end of car, using locating features described in Step 3. Attach handbrake housing to B-end ladders, using locators on vertical stiles. Trim handbrake chain flush to top of brake step. Finally, attach brake wheel to handbrake housing.

Step 5: Trucks and Couplers

Place couplers (x) in truck-mounted coupler boxes (v) and retain by press fitting coupler box lids (y). When using body-mounted coupler boxes, the coupler boxes must be trimmed from trucks, then reverse the trucks to avoid interference with body-mounted coupler boxes. Place couplers in separate coupler boxes (q), and press fit to integral coupler box lids. Add wheel sets (w) to trucks and attach to car using truck pins (z).

Step 6: Running Boards and Grab Irons

Using superglue or similar adhesive, glue running boards (a) in place on roof, using standoffs for centering. Special cutters may be needed to separate etched metal parts. Remove running board grab irons (o) from sprue, and install in locator holes on ends of both long running boards.

Your model is now complete and ready to put into service on your rail empire. IF YOU FIND THAT A PART IS MISSING OR DEFECTIVE, OR IF YOU SHOULD LOSE OR BREAK A PART, PLEASE CONTACT US FOR A REPLACEMENT.