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N Scale Trinity 5161 Hopper Kit Assembly Instructions

Overview:

These instructions will guide you through the assembly of your N Scale Trinity 5161 Hopper Kit. Please read the instructions thoroughly so that you have a complete understanding of the necessary steps. Take your time, and be patient through the process and your finished kit will bring years of enjoyment.

Preparation Steps & Tools Required:

- Find a work space that is well lit and will provide protection to the kit and the loose parts during the assembly process.
- Should you paint your kit prior to assembly please test fit each part carefully as the paint can make some of the parts not fit properly unless the joining areas are cleaned.
- Wash all of the plastic parts with warm soapy water and rinse thoroughly prior to painting and/or gluing in place.
- Select your preferred plastic model adhesive for all plastic to plastic part assembly
- Select a CA type of adhesive for all plastic to metal and metal to metal assembly.
- Inspect each part to make sure the it is free of excess plastic (flash), remove if necessary.
- Test fit each part thoroughly prior to applying adhesive.
- Tools Required: Sharp knife (X-ACTO #11), Tweezers, CA Adhesive

Parts Included In Your Kit:

Body Components:

- Body Shell
- Roof
- Roof Walk
- Roof Walk Grab Irons (2)
- Hatches
- Weights (6)
- Discharge Gates (3)

Truck Components:

- Bolster Frame – Brake End
- Bolster Frame – Non-Brake End
- Trucks & Couplers (2)
- Truck Pins (2)

Air System Components:

- Air Reservoir
- Brake Cylinder
- Brake Valve
- Air Lines (3)

Ladder Frame Components:

- Brake End Ladder Frame
- Non-Brake End Ladder Frame
- Hand Brake Wheel

Center Sill Components:

- End Sills (4)
- Middle Sills (4)

Step 1:

Inspect the car and parts carefully. Lift out the end roof walk supports, and remove the roof walk. Lift off the roof and remove the parts bags from inside the car. Carefully inspect and organize the various parts.

Step 2:



Step 2

Install the weights as shown using adhesive. Let dry completely before continuing.

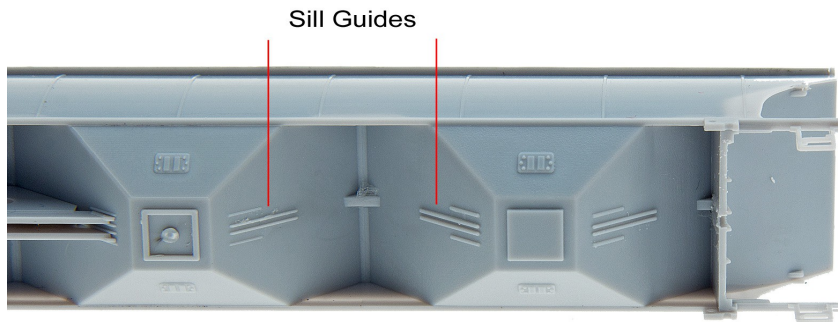
Step 3:



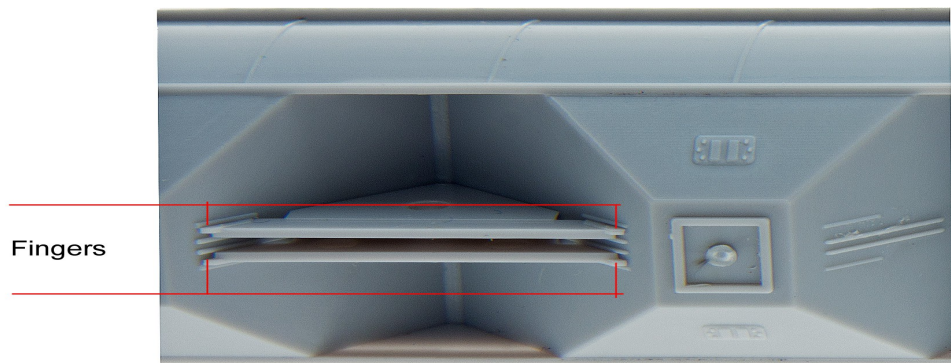
Step 3

Install the roof noting the orientation. The hatch hinges should be on the left side when looking at the brake end of the car. (Look for the small hole in the end of the car.)

Step 4:



Step 4A



Step 4B

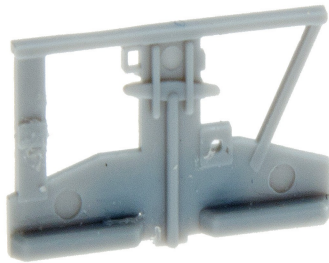
Install the Middle sills in the guides as shown with the sill finger oriented to the outside.



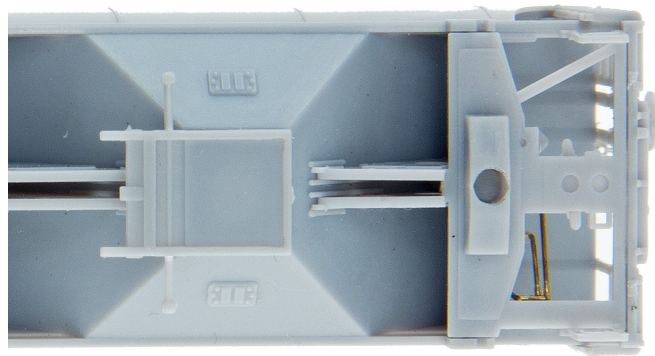
Step 4C

Install the End sills with the sill finger oriented to the outside and the notch aligned to the bolster mount.

Step 5:



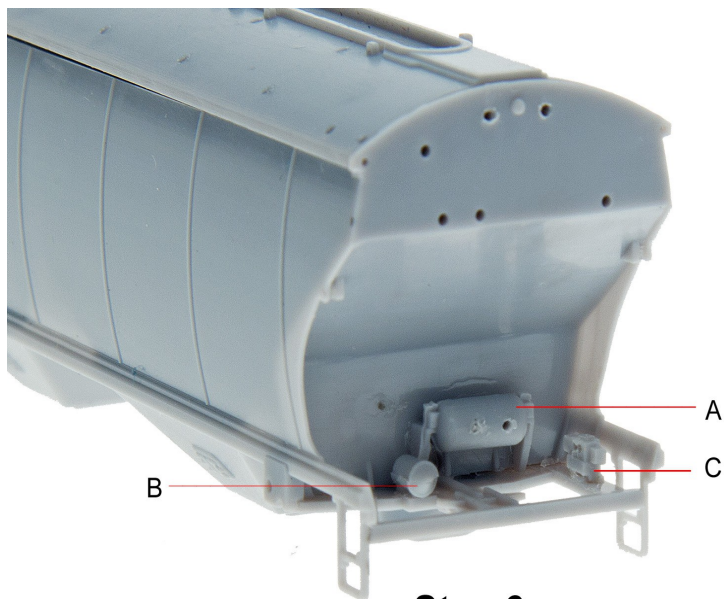
Step 5A



Step 5B

Install Bolster Frame – Brake End, orienting the king pin hole downward. Insure that the frame is parallel with the car supports.

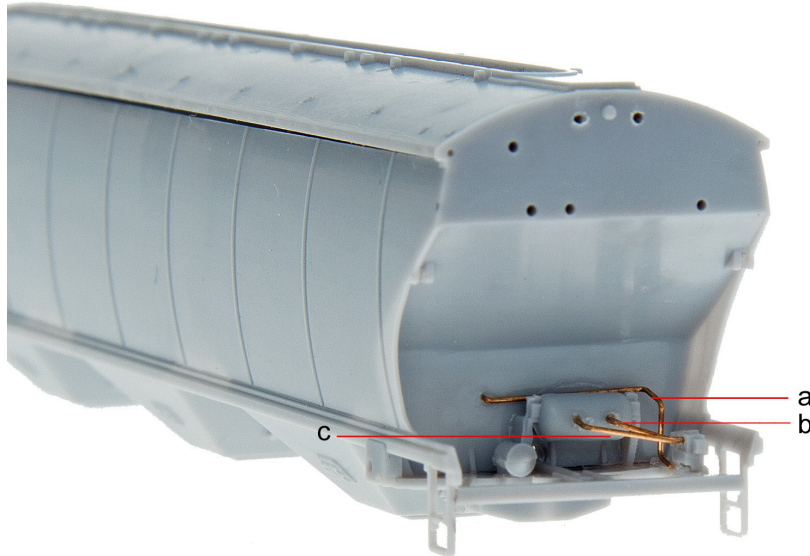
Step 6:



Step 6

Install the Air Reservoir (A), Brake Cylinder (B), and Brake Valve (C). Make sure that each of the air line hose holes are free and clear of debris so that the air lines can be installed easily. Allow to dry thoroughly prior to attempting to install the air lines. Make sure that the brake valve has the air line hoses oriented toward the middle of the car.

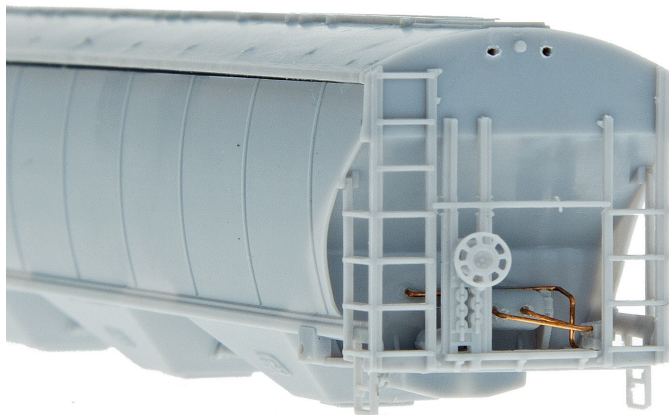
Step 7:



Step 7

Install the long air line from the car, to the brake valve (a). Install the short air line from the reservoir to the brake valve inner hole (b), and then install the middle length air line from the reservoir to the brake valve outer hole (c).

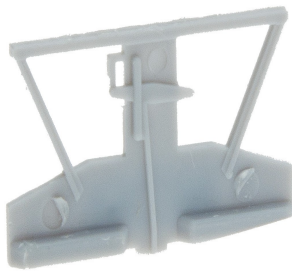
Step 8:



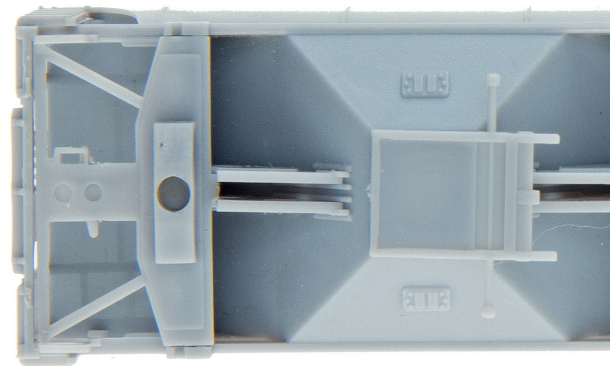
Step 8

Install the Brake End Ladder Frame (to where the hand brake wheel will attach). Test fit carefully prior to applying adhesive. Install the Hand Brake Wheel.

Step 9:



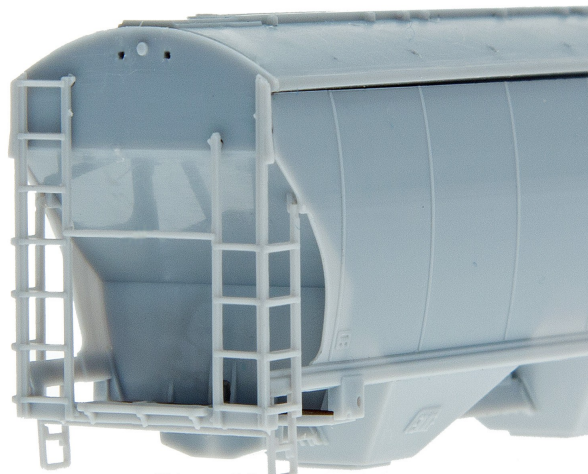
Step 9A



Step 9B

Install Bolster Frame – Non-Brake End, orienting the king pin hole downward. Insure that the frame is parallel with the car supports.

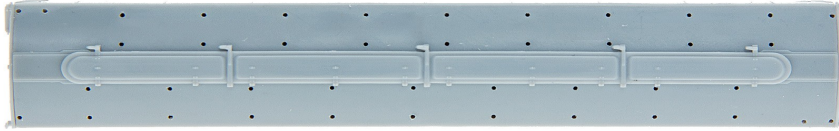
Step 10:



Step 10

Install the Non-Brake End Ladder Frame. Test fit carefully prior to applying adhesive.

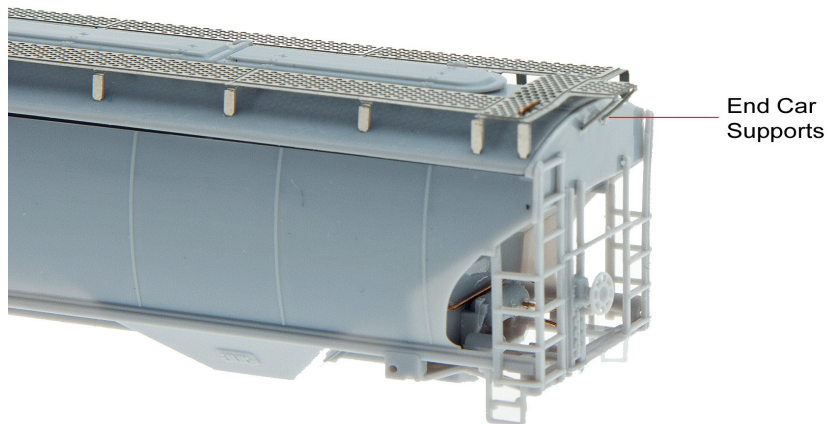
Step 11:



Step 11

Install the Hatches. Pay close attention to orienting the hatch hinges with the roof.

Step 12:



Step 12A

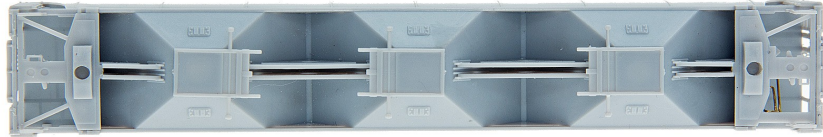
Install the Roof Walk. Start at one end, aligning the roof walk supports as you go. Do the end of the car supports first, working your way to the other end..



Step 12B

Install the Roof Walk Grab Irons on each end.

Step 13:



Step 13

Install the Discharge Gates.

Step 14:

Install the trucks and couplers by pressing the king pin into the bolster.

Final:

If you experience any issues please contact us so that we can assist you as needed.

Thank you for your support of InterMountain Railway Company products.