

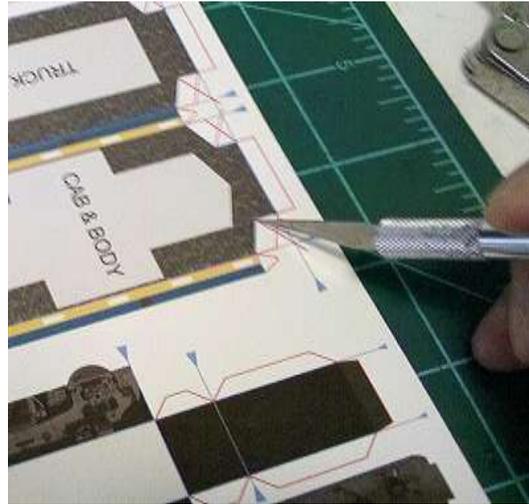
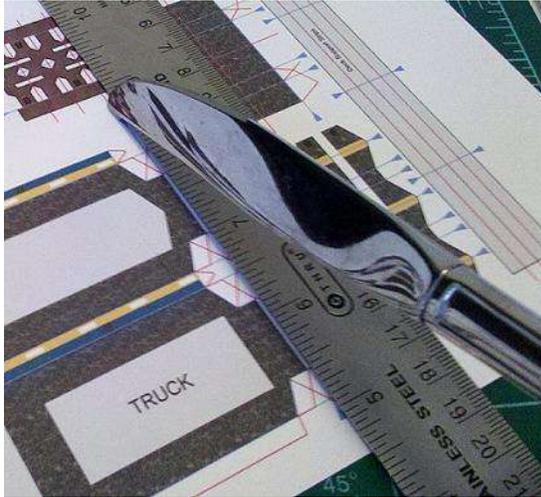
# RXR Models – General Assembly Instructions for N Scale 4-8-4 Steam Locomotive with Tender

(Parts and/or photos may vary depending on specific model)

**DO NOT PRINT THESE INSTRUCTIONS ON CARD STOCK PAPER!**

**Print these pages on standard copy paper, then switch to card stock for the model parts only.**

Print design pages on a good “Card Stock” or “Tag Board” type paper. The model can be done on conventional 20lb copier type paper of course, but thin paper will not hold shape very well and the assembled model will be very “wobbly”. A good heavy card type paper will be easier to construct, provide cleaner lines, and make a good sturdy model.



Score all Blue lines prior to cutting parts from sheet. This can be done with any blunt blade, like a dull butter knife, or other thin blade that will not cut the paper. Use a metal ruler, or metal-edged ruler to keep lines straight. Blue Guide Arrows are provided where possible, however, there may be fold lines that arrows cannot be placed on, so look closely for those.

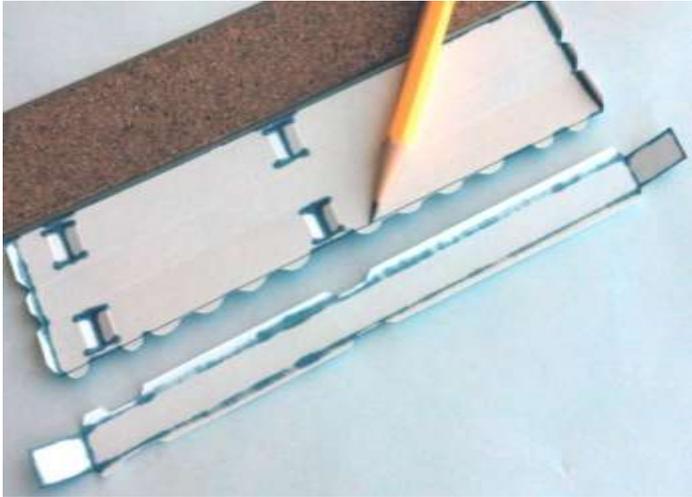
Cut out parts using a good sharp modeling knife. Cut all Red lines as they indicate additional cuts needed. *Caution/Disclaimer: Use of sharp modeling knives should not be allowed by children unsupervised!*



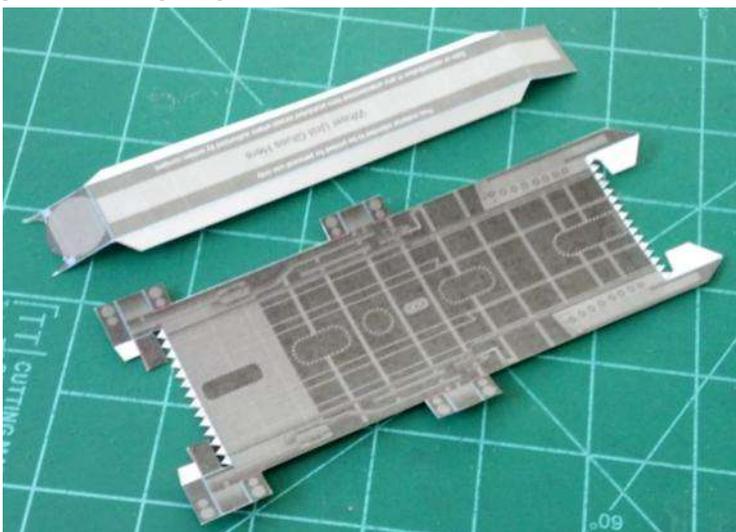
Before assembling (gluing) parts; always color all cut edges and fold lines to eliminate the white lines left by the uncolored paper. Avoid using dark permanent markers; instead use highlighter type markers for a more natural look. Use Gray for Black and dark areas, and try to match other colors where possible. This makes for a much more realistic model.

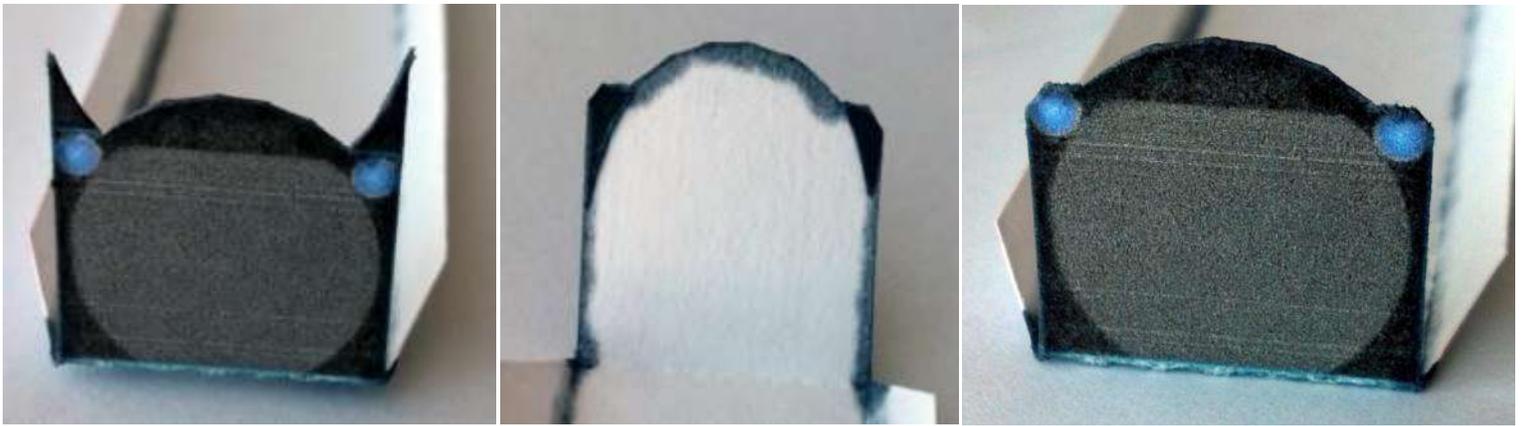
## Assemble Locomotive as shown:

1.) Fold all score lines before cutting or gluing any parts. Be sure to identify, score and cut the openings on each side that will mate to the Piston Boxes. Using a ruler, draw a pencil line on the backside of the Wheel Section to mark the bottom of the box on both sides. The wheels themselves drop below this line. These lines will aid in getting the box bottom panel set straight while gluing. Start by gluing the bottom part to one side only of the Wheel Unit following pencil line. Make sure the notches in the bottom flaps are on the same end as the Piston Box cutouts. Set the end-folds on the bottom to match flush to the ends of to Wheel Unit. Let set and then glue the opposite side so it completes the box. Complete the Wheel Unit by folding up front and back ends and gluing into place as shown.



2.) Cut out the Boiler Housing and Housing Bottom. Be sure to clip the red lines along the top of each Piston Box sides (6 places) and cut and remove the RED triangles at the front. Use a ruler and pencil to draw lines on the back of the boiler to get a guideline for gluing the bottom on. Use the folded tabs at front and rear to determine where to lay the ruler as shown.

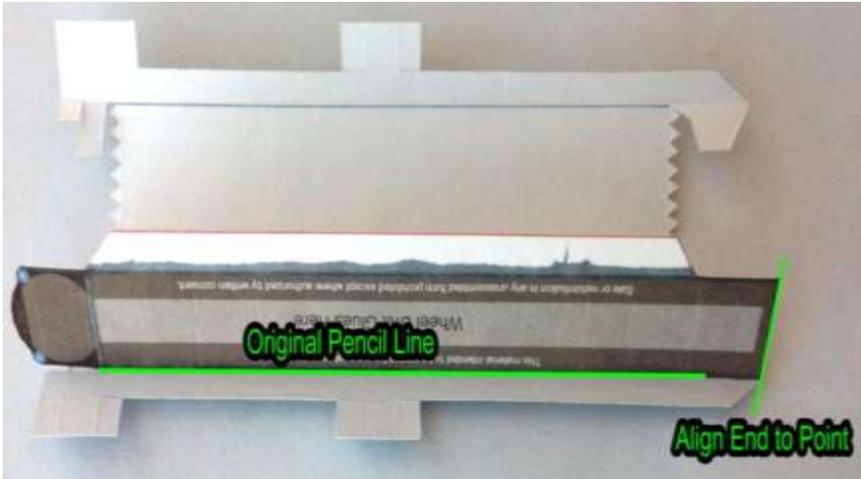




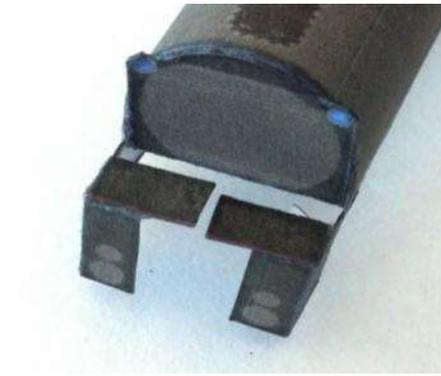
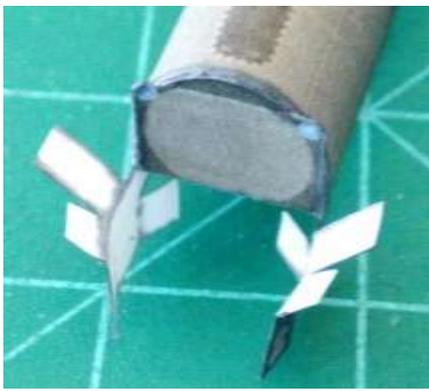
Note the Boiler Face has a couple of “ears” – these fold back and glue to the backside of the lights on the boiler face. Then nip the corners as shown. These ears are exposed on the rear when done, so this colors the backside and gives the ears a little extra thickness for sturdiness.



Roll the boiler section over a table edge to develop an arch to this piece as shown. The front of the bottom will get folded up to glue to the front of the boiler.



Attach arched Boiler top to the bottom floor part on one side. Flush the floor to the straight edge pencil line. The back edge of the “floor” will align to the “point” of the rear of the boiler. The boiler face should align so it will fold up flush to the front of the boiler’s arch. Once one side is set, complete the body by repeating on the opposite side.



Finish by folding up Boiler Face, two front Piston Box corners, and rear Tabs fold down and glue onto floor as shown.

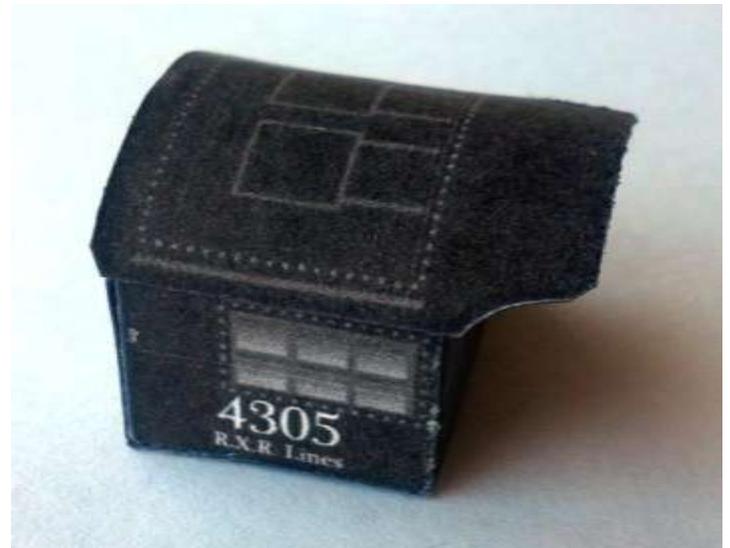
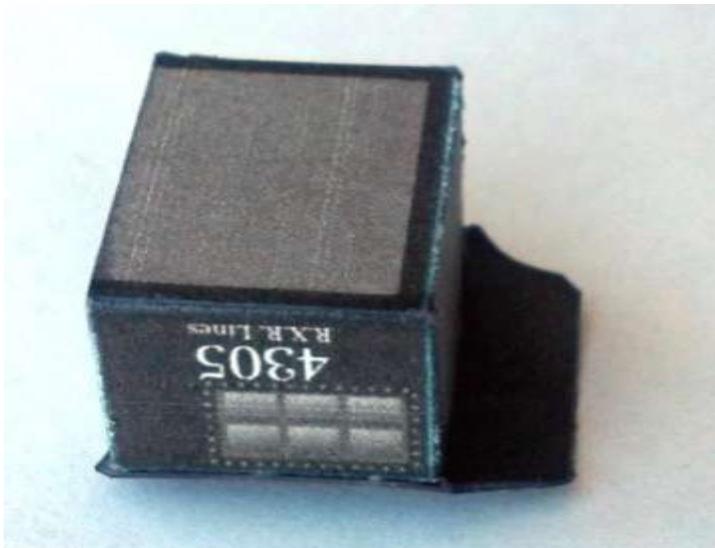
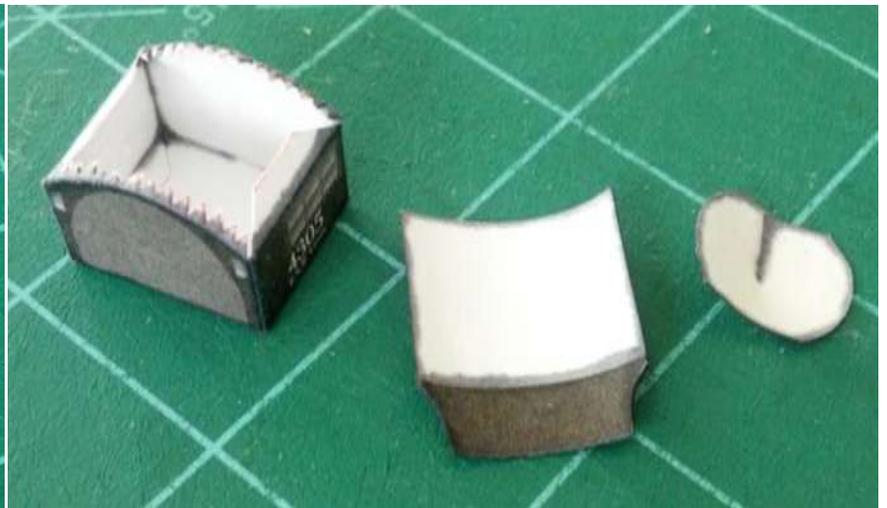
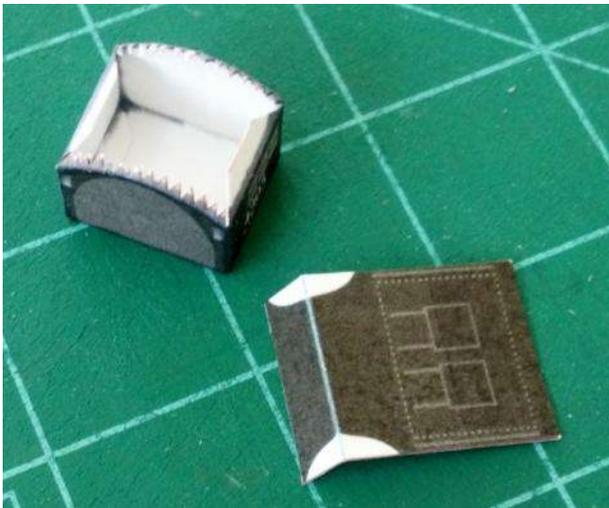
3.) Glue the complete lower Wheel assembly to the complete boiler assembly. Align using the gray shaded box on bottom of the boiler. This will place the wheel assembly centered left/right, and the rear end will be just a little short from the rear edge of the boiler floor. The Piston Box flaps on boiler will be aligned with the inner flaps of the Wheel Assembly. Secure all Piston Box Flaps. Use a scrap piece of paper or toothpick, etc. to place glue drop between flap sections. Then use tweezers to clamp together and hold a minute to let set. Repeat on all 8 flaps to complete the 4 Piston Boxes. Also glue the tabs up front in front of Boiler Face as shown.





Main section completed as shown above.

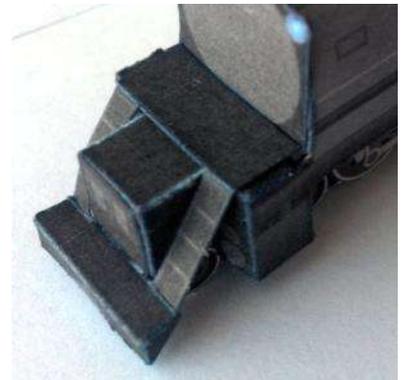
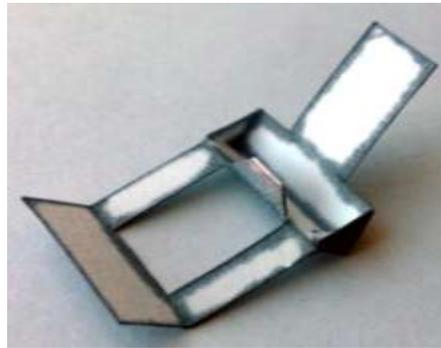
4.) Fold and complete the cab in a typical box construction method. Cut out the Roof following the straight lines. Leave the contour cuts for now. Fold and glue the rear section of the roof first. Then once the glue dries, cut out the contour lines. Darken with marker. Roll the roof on a table edge to develop and arch to match the roofline of the cab. Cut and glue the Boiler Front Plate by overlapping the edge to form a very shallow cone. Attach the Roof to the Cab. Align the back of the Cab (small windows shown are on the front) to the edge of the Underside Roof Tab folded over. There should be a very slight edge of the roof overhanging the front.



Completed cab can be glued to rear. Cab will overhang slightly on both left and right sides. Glue tabs on Boiler arch and make sure it gets formed properly to follow gray arch on front of Cab. Glue the beveled Boiler Face to front. Place the vertical seam on the lower side.



5.) Cut the front step unit and begin by folding and gluing the 2 triangular shaped sides. Start by gluing the long black tab to the front underside of the Wheel Unit. Align the short gray line to the front edge of the Wheel Unit. Then flip over and glue the inner tab to the front of the Wheel Unit. Set it so the "bumper" is squared to the nose as shown. Lastly lay the stair section over the nose. Glue the last upper landing to the top of the deck over the forward Piston Boxes.



6.) Next add the front Standing Platform. This folds up as shown forming a deck-like structure with 3 sides. This glues directly onto the top of the step landing. The 2 sides (with RXR on them) can be spot-glued to the face of the boiler to keep secured. The front panel will just stand by itself. Place a couple drops of glue in the lower inside corners to stabilize it. Lastly, fold up the small triangular “Cowcatcher” and glue to the front where indicated with the gray triangle.



7.) Fold up and assemble the triangular front Number Boxes and Bell and glue to top front of boiler as shown. Fold the Bell with Arm and Number Panels back and glue to make double-thickness parts. Color the area directly beneath the Bell – this will be exposed. Make two 90 degree folds and Glue the Arm back onto Top Boiler Plate as shown on far right.



8.) There are 4 more “Top Plates” that glue on top of the Boiler. Just cut out, arch to match top of the Boiler Section. Color the edges with marker, and spot-glue these to the top where indicated.

9.) Cut out and fold up one of the couplers as shown. Attach to the rear of the wheel unit – BE SURE to mount with the letter “B” on the BOTTOM. If you always mount couplers with the “B” facing down, they will always connect to other RXR units properly.





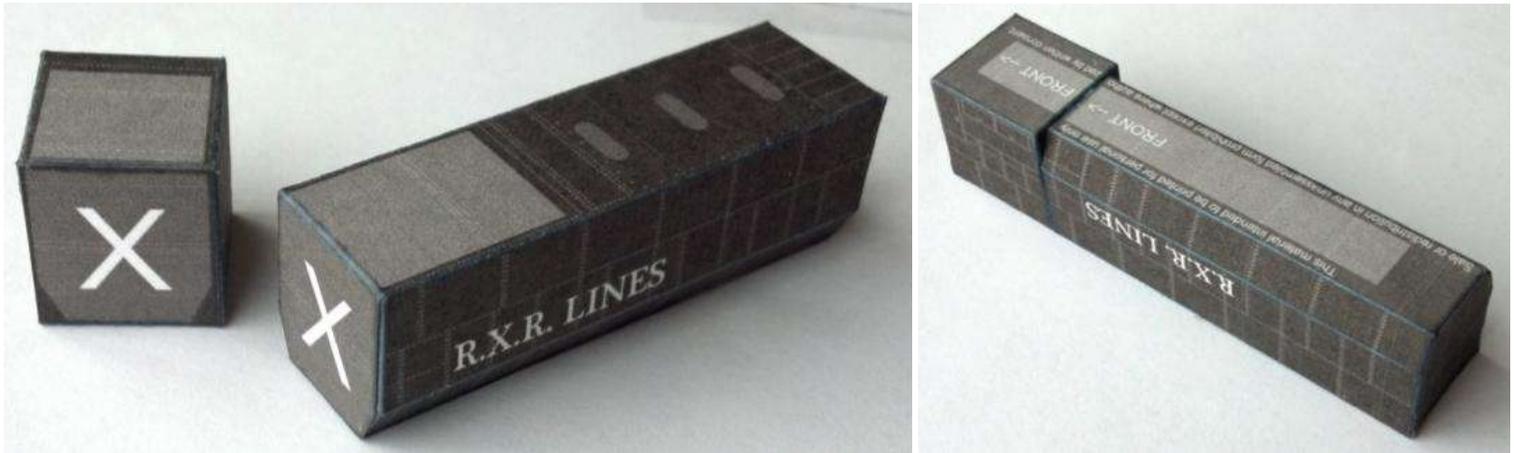
The Locomotive is now completed!

### Assembling the Tender.

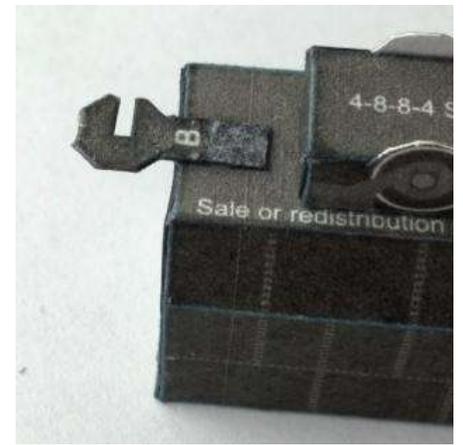
- 1.) Fold the Wheel Unit into a basic box as shown. It goes together just like the Locomotive Wheel Section. Add a Coupler to the FRONT end as shown. Use the short gray line to line up with end of Wheel Unit. Again – KEEP the 'B' Side DOWN!



2.) Fold upper section into 2 boxes as shown. These 2 parts glue together as shown – the large 'X' ends glue together. Both bottoms indicate which direction is 'FRONT' – make sure these point the same direction.



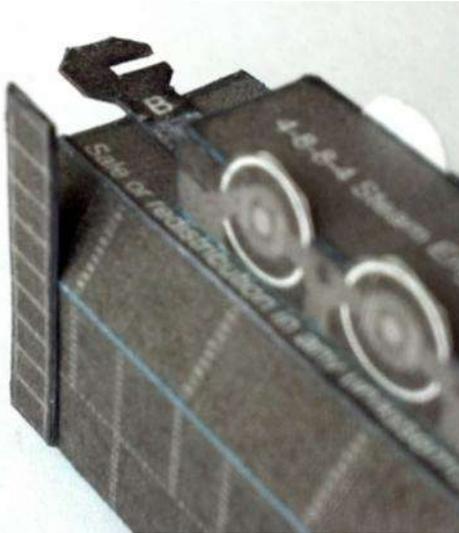
3.) Glue Wheel Unit to the bottom of the Upper Unit using light gray box to determine location. Then add second Coupler to the rear end as shown.



4.) Fold up the thin box with the Coal Design and fold/glue the two ends with the rounded tops. These go onto the ends of the Coal Box. Mount completed top to the top of the Main Tender Body locating it with light gray box for a guide.



5.) Fold and glue Ladders to make Double-sided parts. These ladders glue to the rear on each side as shown.



The Tender is Completed!



Join the two together and Enjoy!!



N-SCALE 4-8-8-4 Steam Loco and Tender Shown

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