

TRANSFORMER 5 ASSEMBLY INSTRUCTIONS



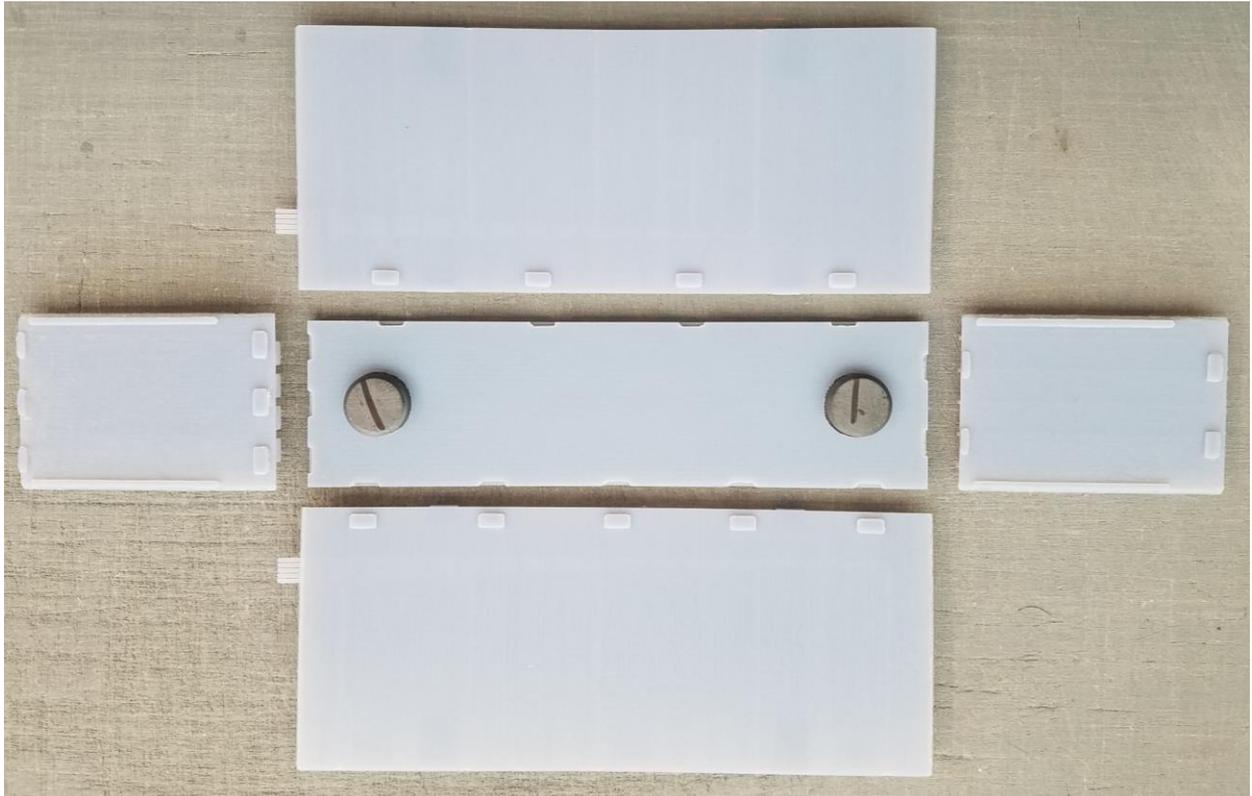
Please note that the color of parts in your kit may vary from that shown in these instructions.

Preparation

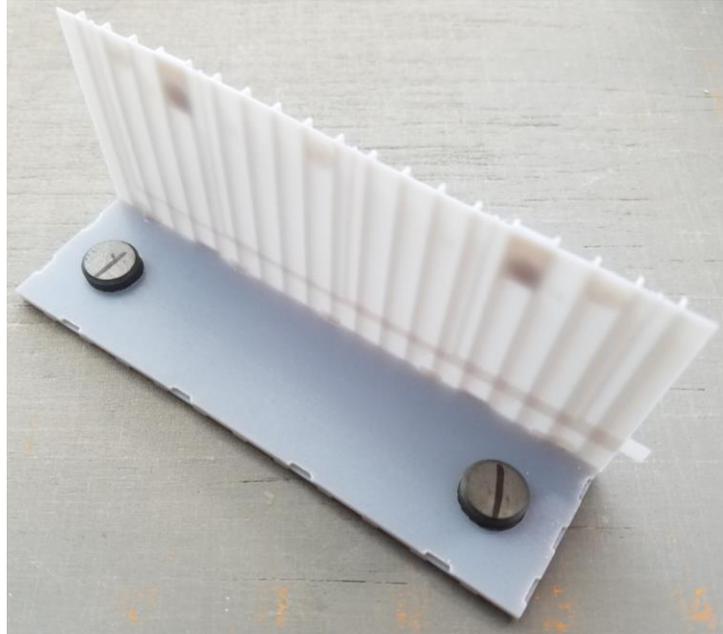
1. You will need a clean flat work area 3 to 4 square feet in size.
2. Tools required are a small file, small angled needle nose pliers, and toothpicks.
3. Spray booth or well ventilated and clean area to paint.
4. Area where parts can be set aside without getting dirty or damaged.
5. Carefully remove the contents from the 2 poly bags. Remove the parts from the packing material. DO NOT open the small bag with many small detail parts at this time.

Assembly

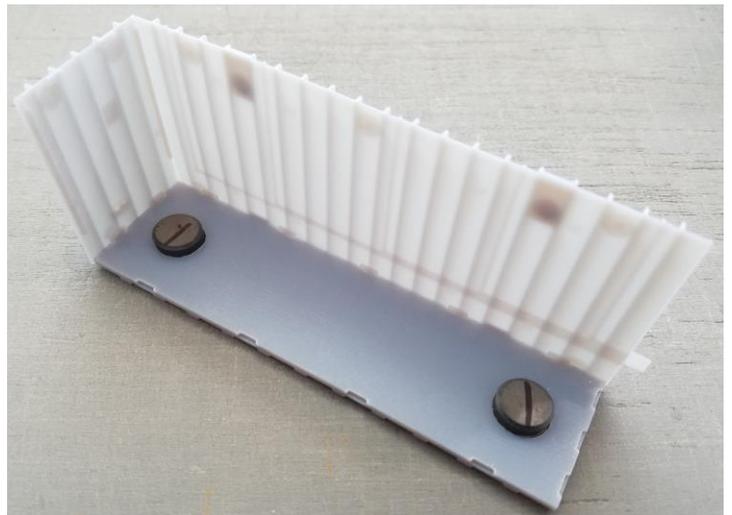
1. Please note that the transformer design modeled in this kit has many small, fine features, which are delicate. **Hold the panels by the edge to minimize the chance that any of those features get damaged.**
2. Use medium viscosity CA glue only. No other glue will hold the parts together. Only a small amount of glue is necessary. Place a small amount of glue on the part and spread the CA with a toothpick so all the joint surface is covered. Error on the side of less glue, as you do not want glue to ooze out the joints.
3. Lay out the sides and ends around the bottom. The bottom should have the magnets facing up. The ends and sides are keyed to the bottom, so they will only fit one side correctly.



4. Dry fit the sides and ends with the bottom to ensure a tight a proper fit with each piece. The corners should not have any gaps. Do not move to the next step until you are satisfied with the fitting of the parts.
5. Start with one of the sides and the bottom. Place CA on the inside edge of the bottom. Place the end piece into position on the bottom, holding the two parts perpendicular for about 8 seconds.



6. Next dry fit the end piece with 2 tabs at the bottom to make sure the corner with the side fits with no gaps.
7. Apply the CA to the bottom and the edge of the end piece and place the end piece into position.



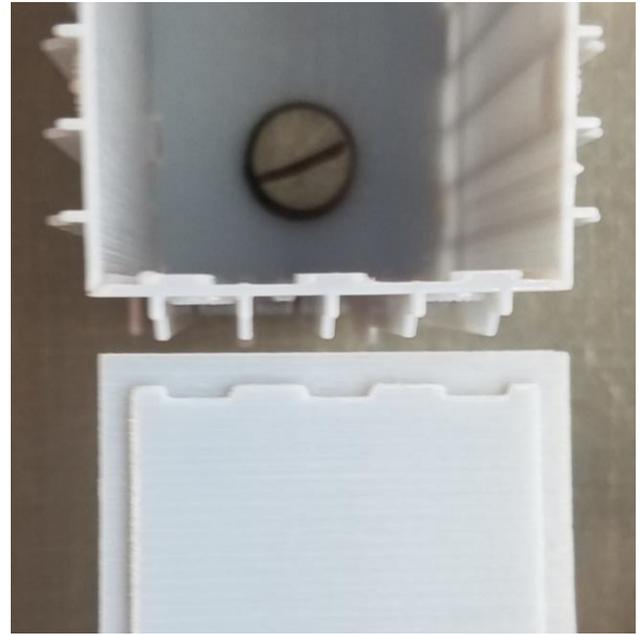
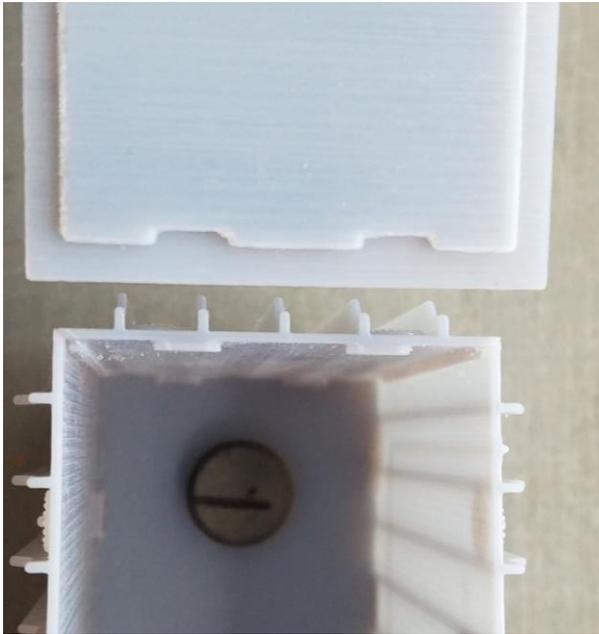
8. Now dry fit and glue in the opposite end piece with 3 tabs. Make sure the piece fits properly and there are no gaps.



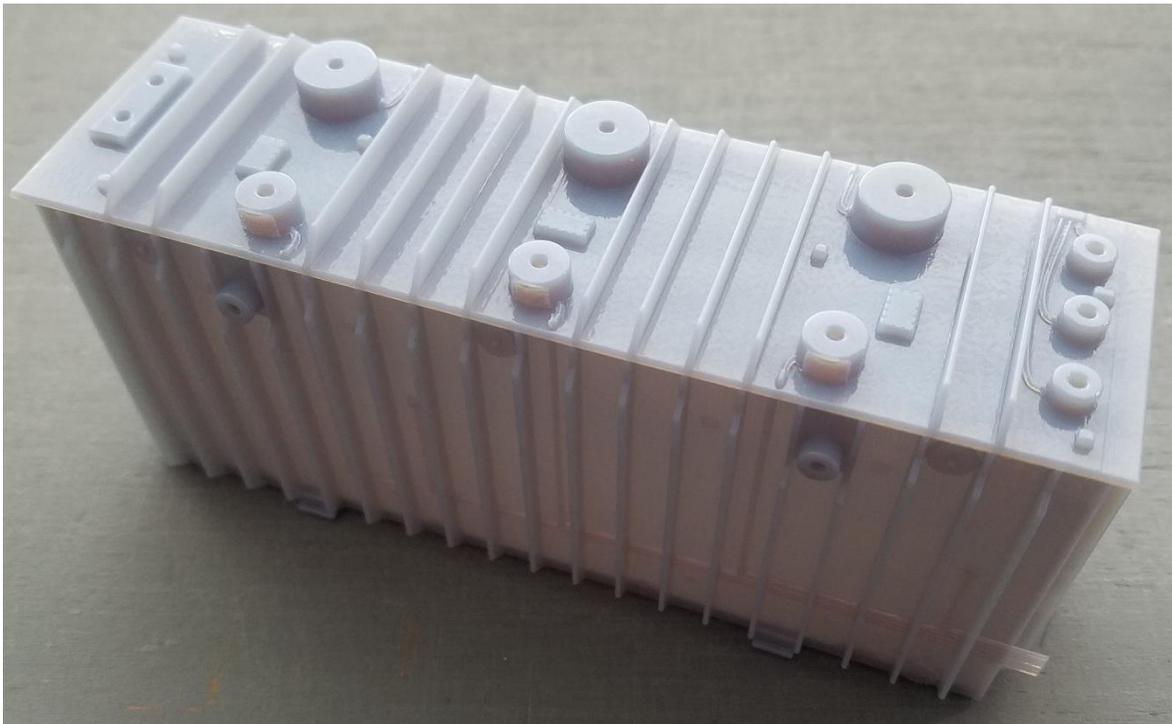
9. Dry fit and glue the remaining side piece to the assembly.



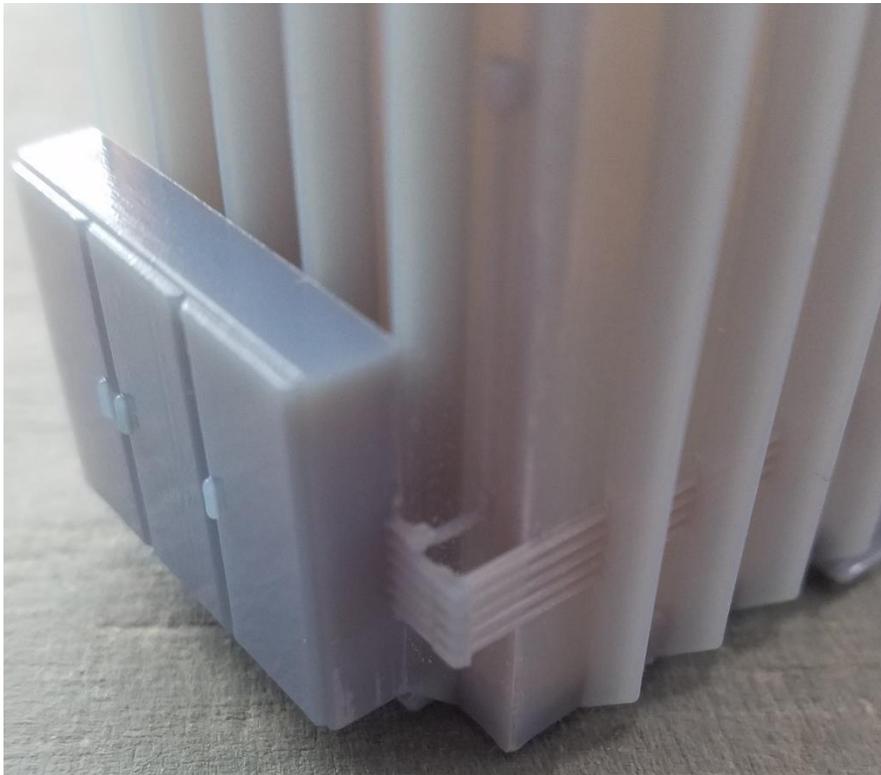
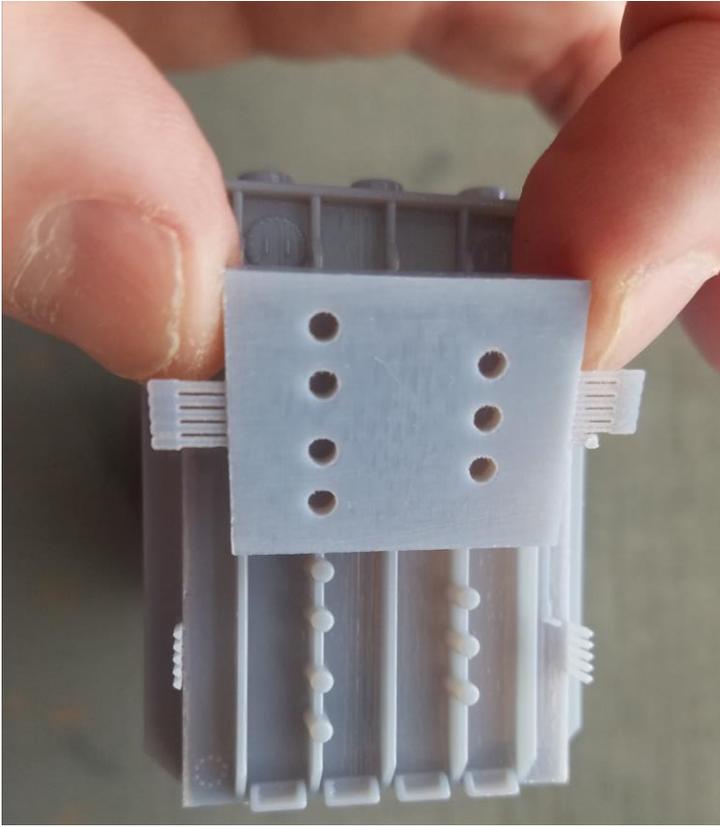
10. Dry fit the top piece and remove. Note the tabs on the end pieces correspond to notches in the top.



11. Apply CA to the inside edge of the sides and ends. Press in place verifying each side is seated firmly to the top of the side and end pieces.



12. Dry fit the electrical cabinet with conduits to the end piece as shown. Note where all of the mating surfaces are when test fitting. Remove the electrical cabinet and apply small amounts of CA to these mating surfaces then install on the side of the transformer.



13. Remove the detail parts from the small bag. Test fit and glue the pieces shown below to the locations on the top as shown below. Only a small dot of CA is necessary to secure each part. Make sure the parts seat flush and parallel to the side.



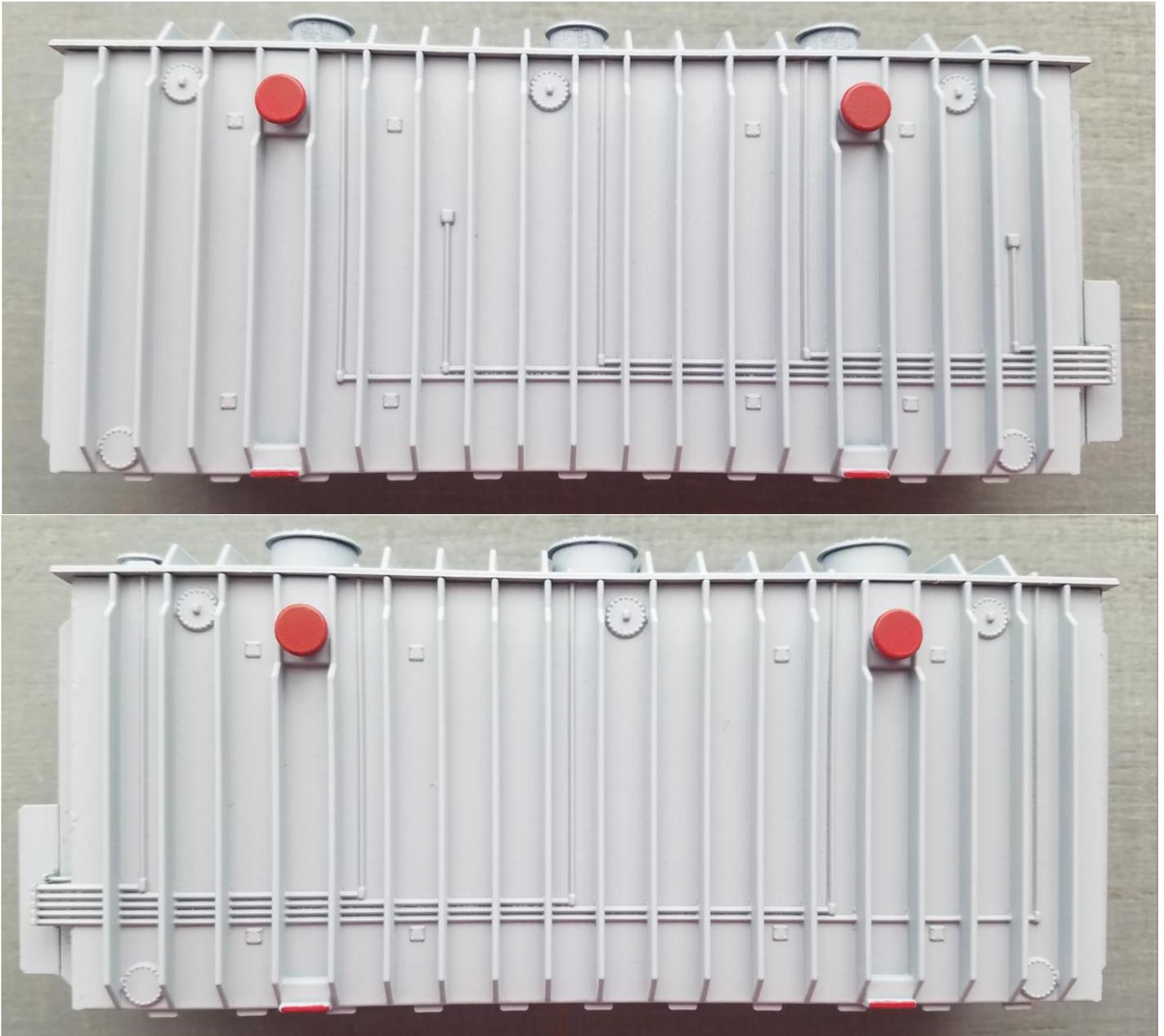
14. There will be 4 remaining smaller pieces with no bolt heads on the surface. These will be installed AFTER painting.

Painting

15. The transformer and 4 small parts are ready to prime and paint. We have found priming to be useful in achieving the best looking paint job, and highly recommend it.
16. Prototype transformers are painted light to medium grey, usually with a semi-gloss finish. Because there are so many nooks and crannies on the transformers, airbrushing is the only way to get a good looking paint job.

Post Finishing

17. Test fit and glue the 4 smaller pieces in the corresponding places near the top of the sides.
18. Using a small paint brush, paint the edges of the features shown below.



19. The transformer is now ready to place on your Railfan Models KRL 400 Ton heavy duty flat car.