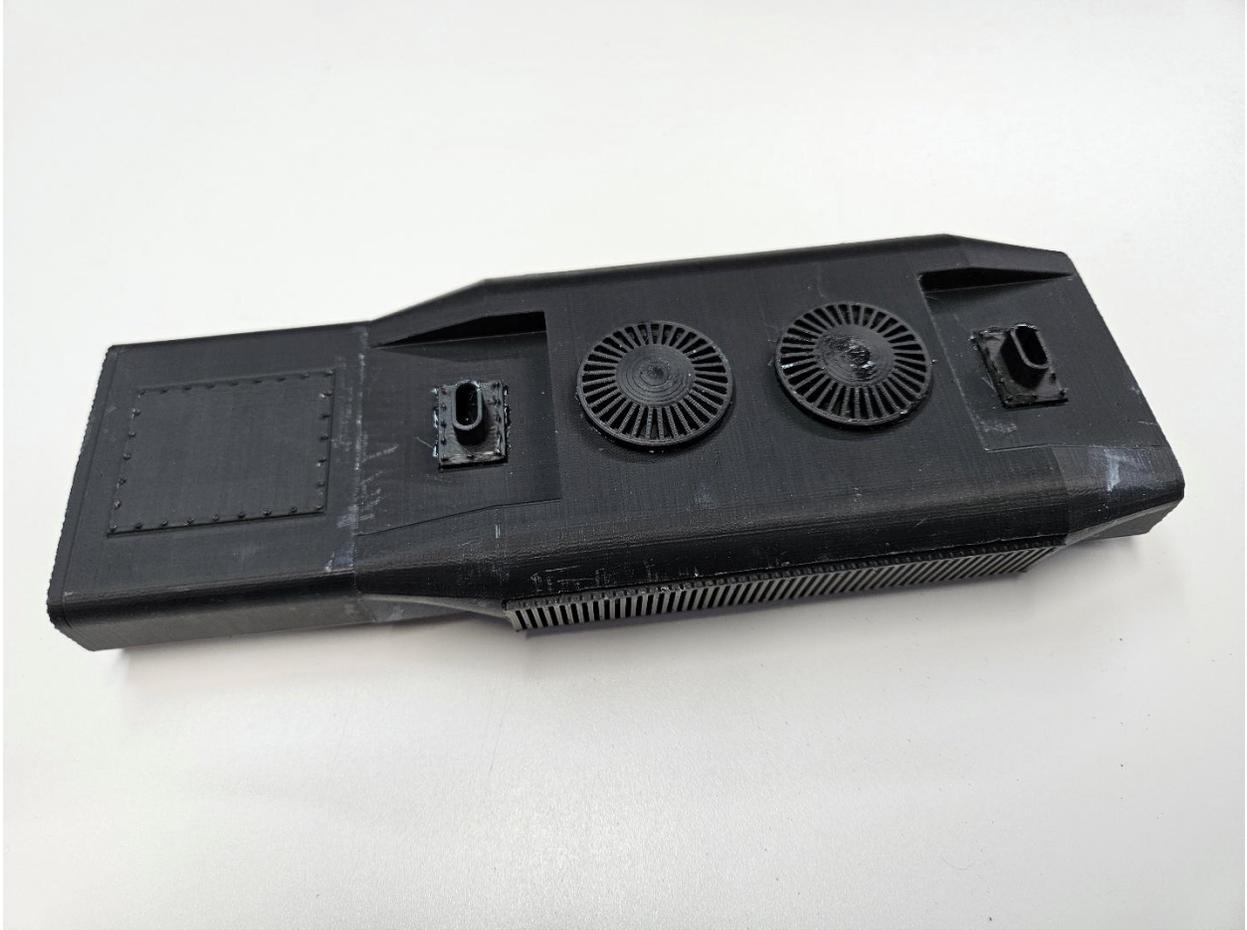


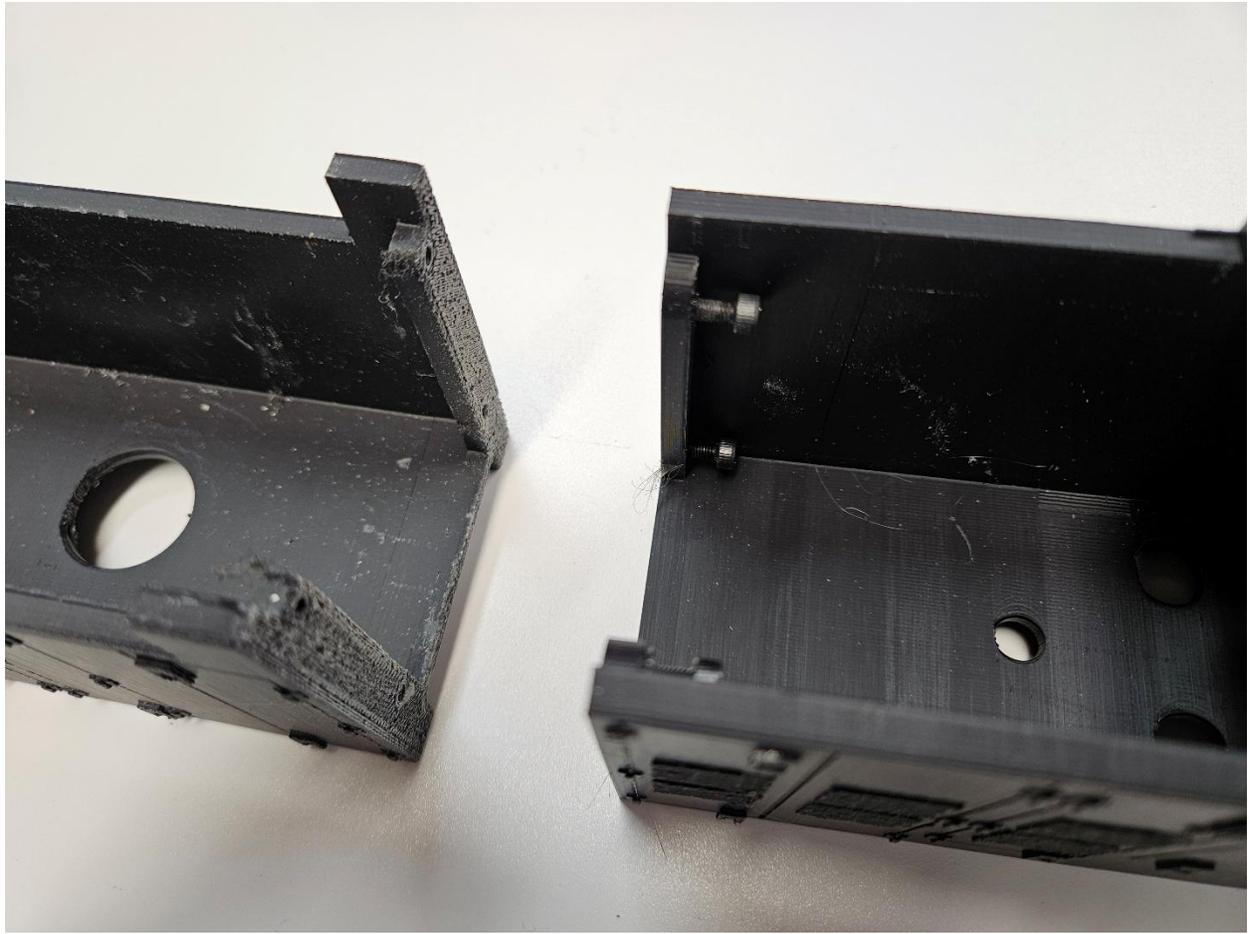
### Southern Pacific "West Coast" SD9 assembly photos

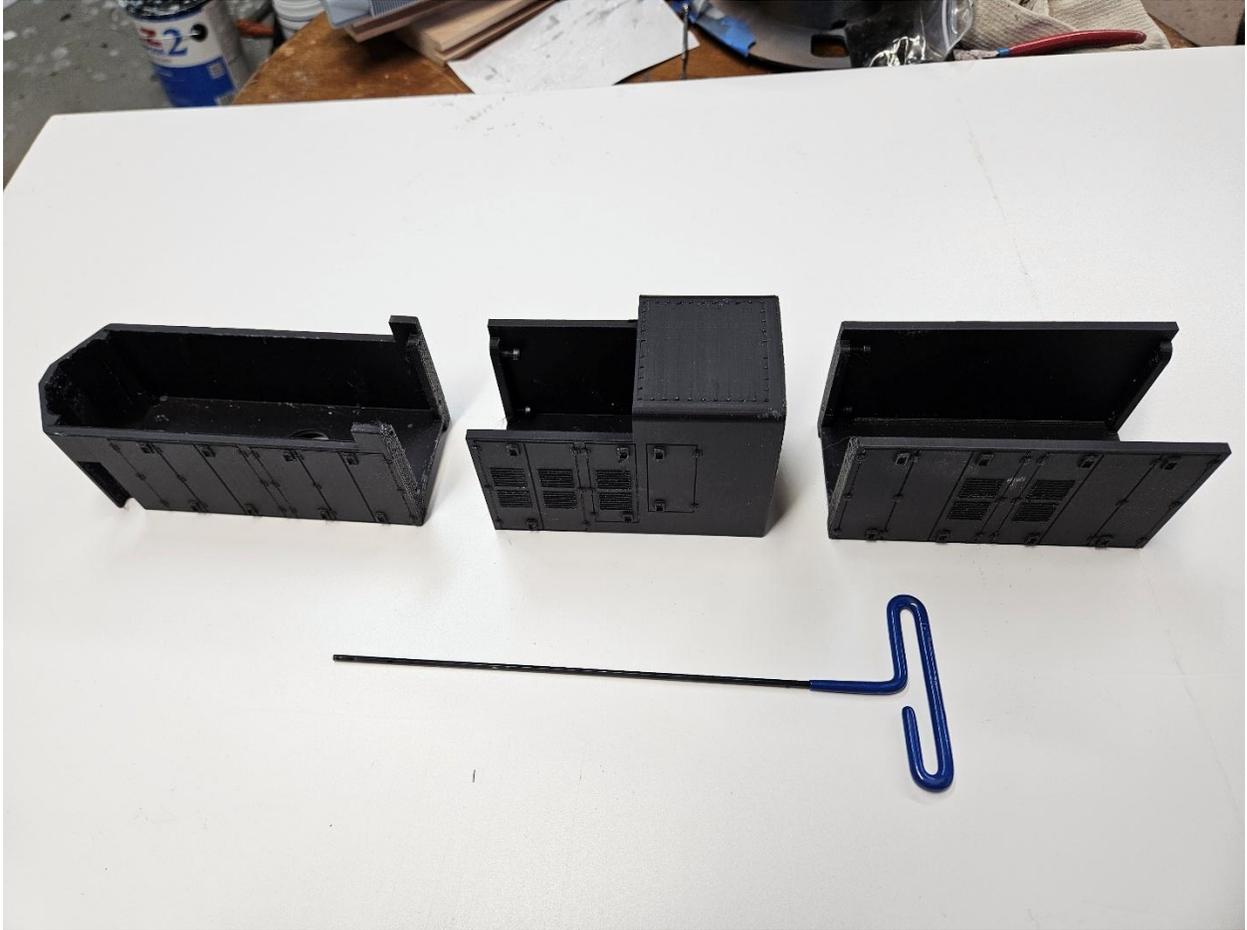
The Dynamic Brake Blister and the extension are glued together. There are holes in which guide pins, such as small brads, can be inserted to guide the piece together into proper alignment. The extension section (on the left) faces the front of the locomotive. The blister is removable and provides access to the charging port and on/off switch inside the locomotive. The fan covers, grilles and smokestacks are glued on.





Body sections are connected using M3 allen head bolts. I apply epoxy to the surface of the flanges, then insert the bolts to bring the body parts together.



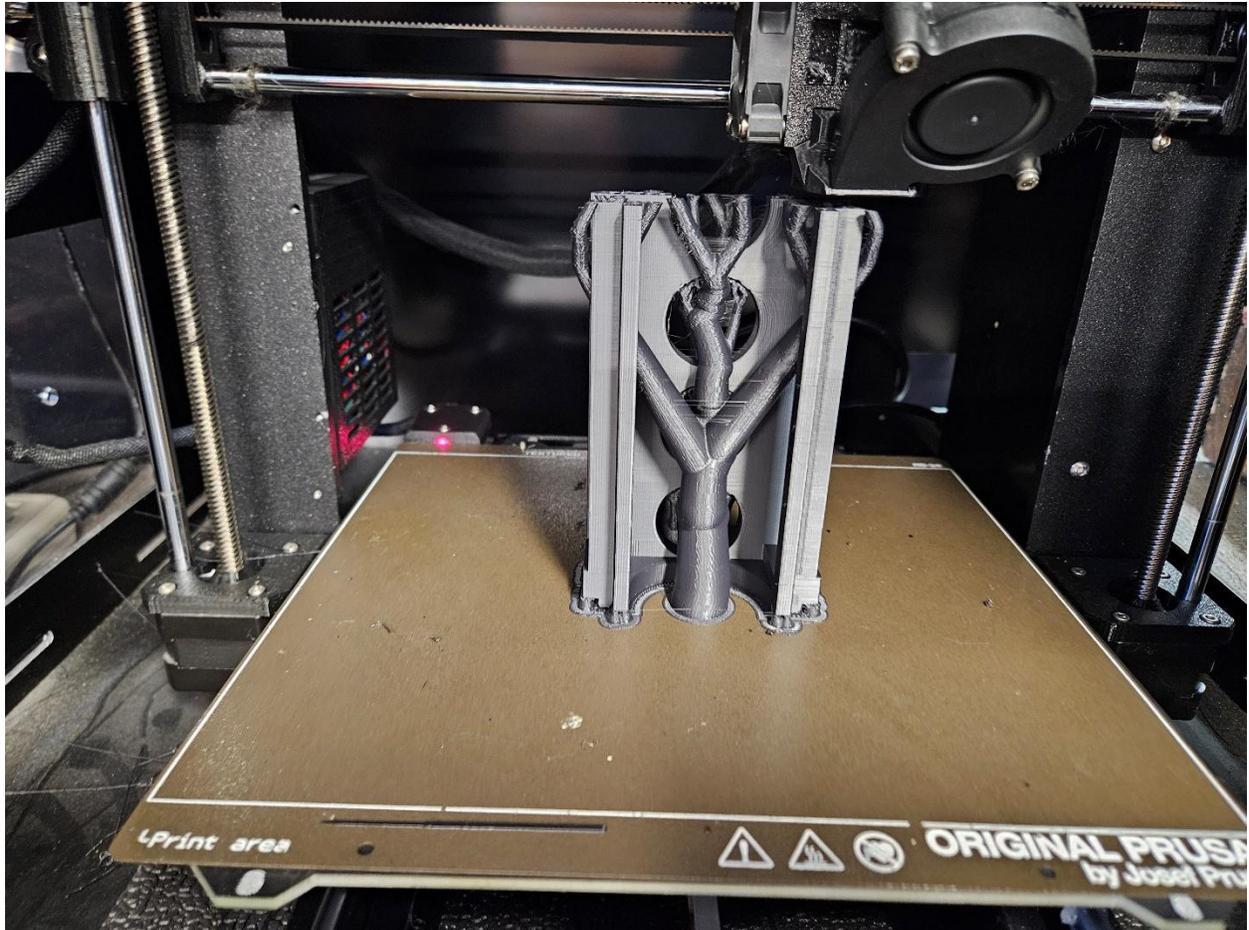


The radiator section has two grilles which are glued in place. The radiator is also removable.

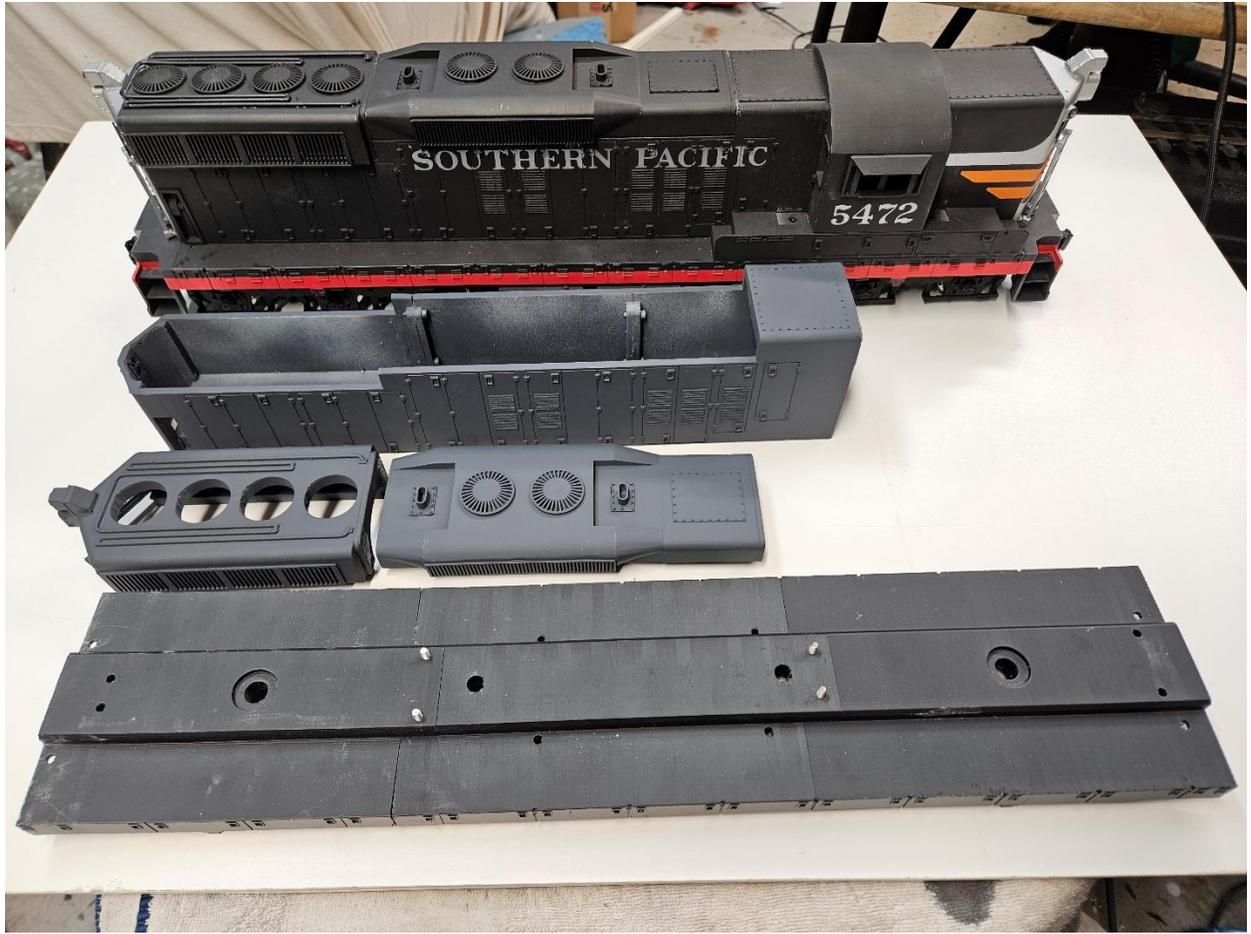




I recommend printing the large parts vertically. Standard supports always seem to work, but on some parts I have been able to use organic supports. This photo shows the radiator with organic supports.

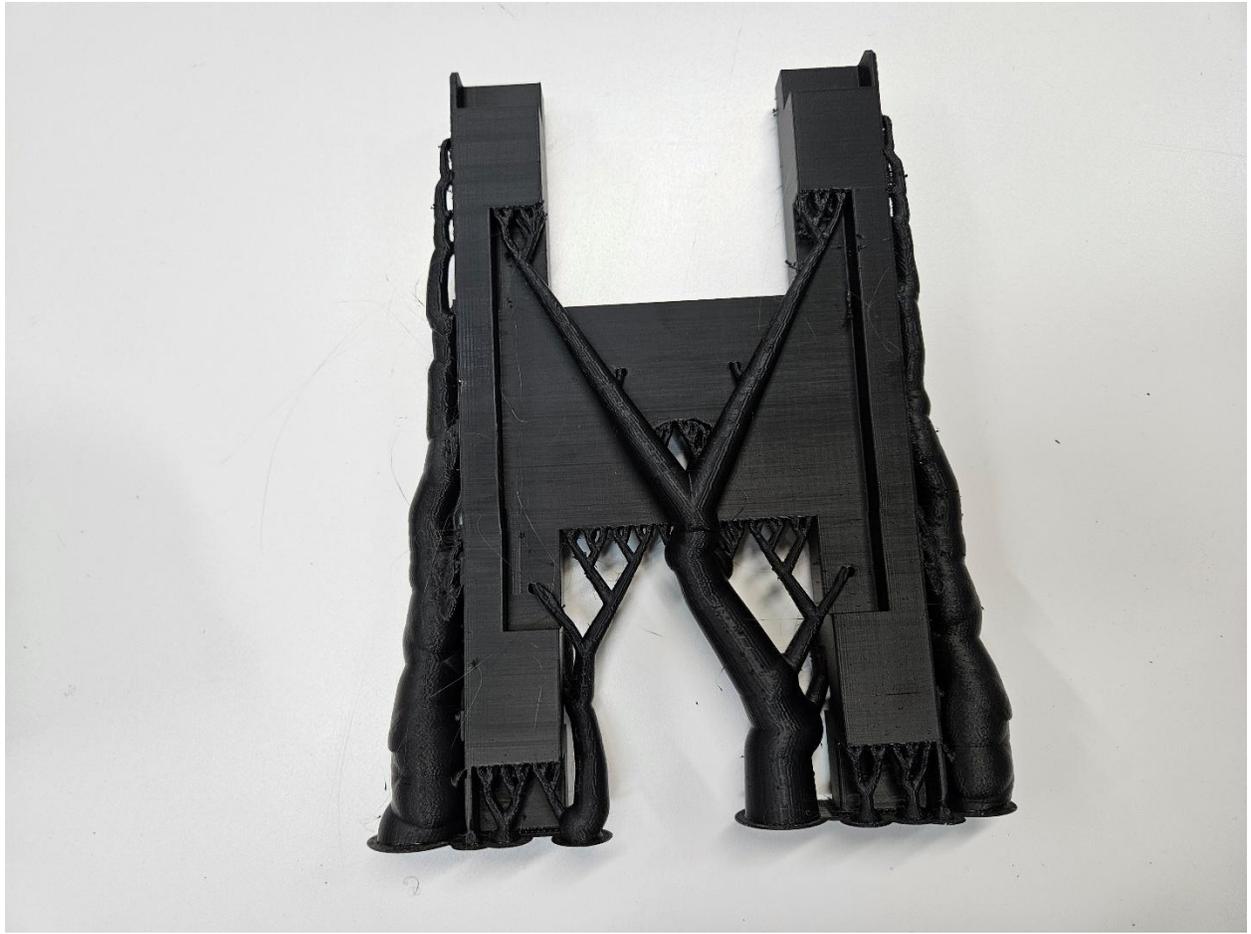


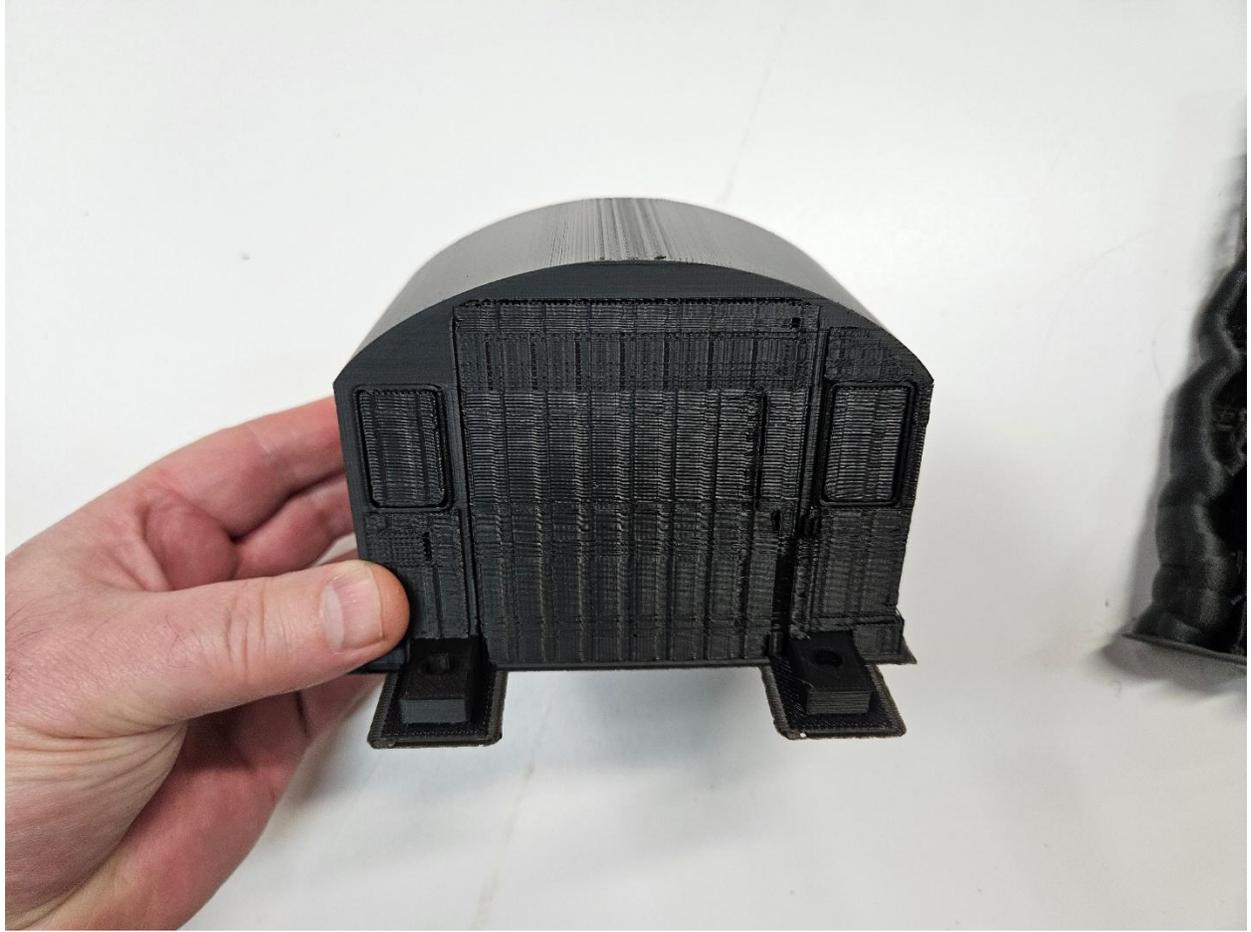
The base sections are connected using M4 bolts. You can also choose to glue them if you wish.





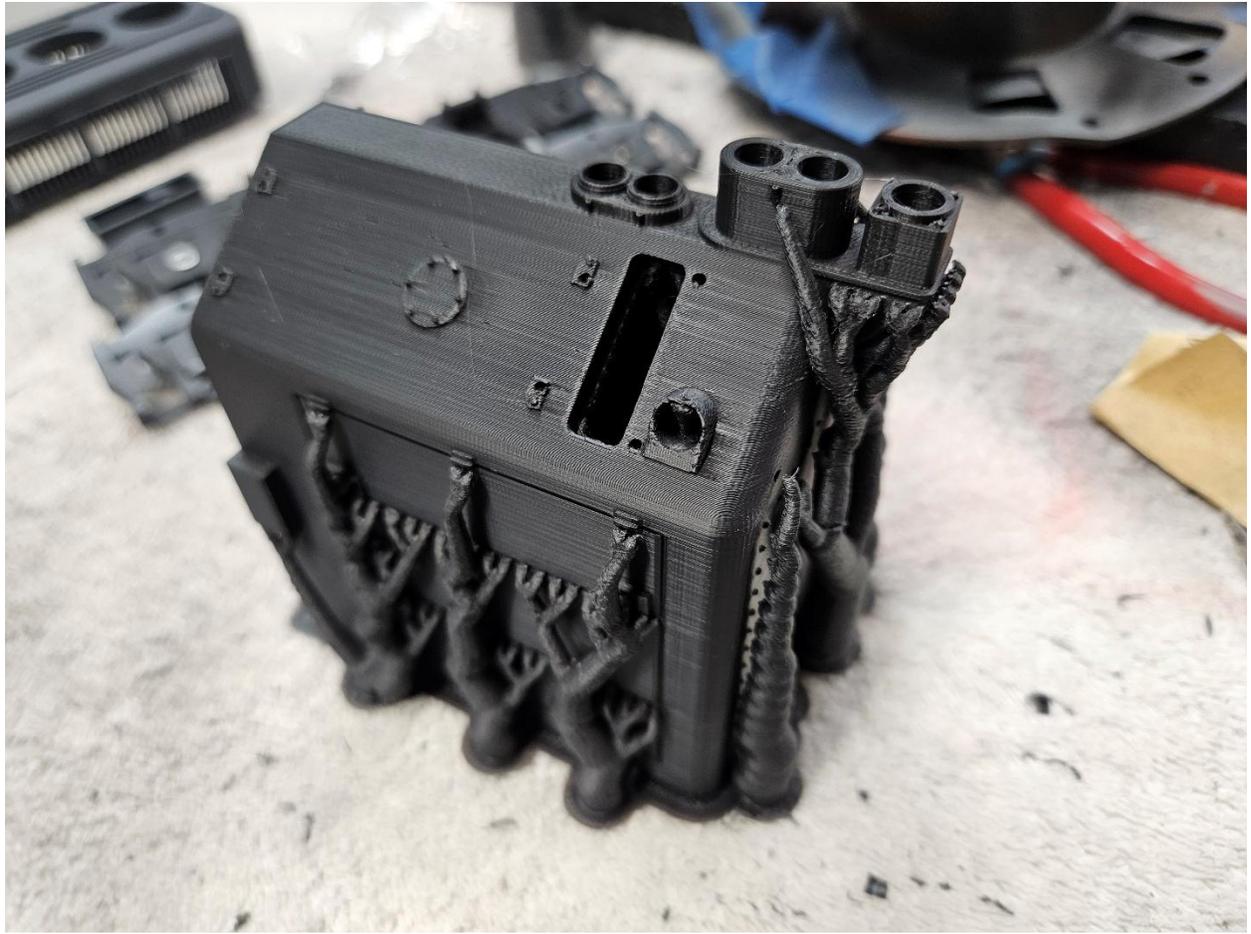
I print the cab with standard supports, and the cab steps with organic supports.







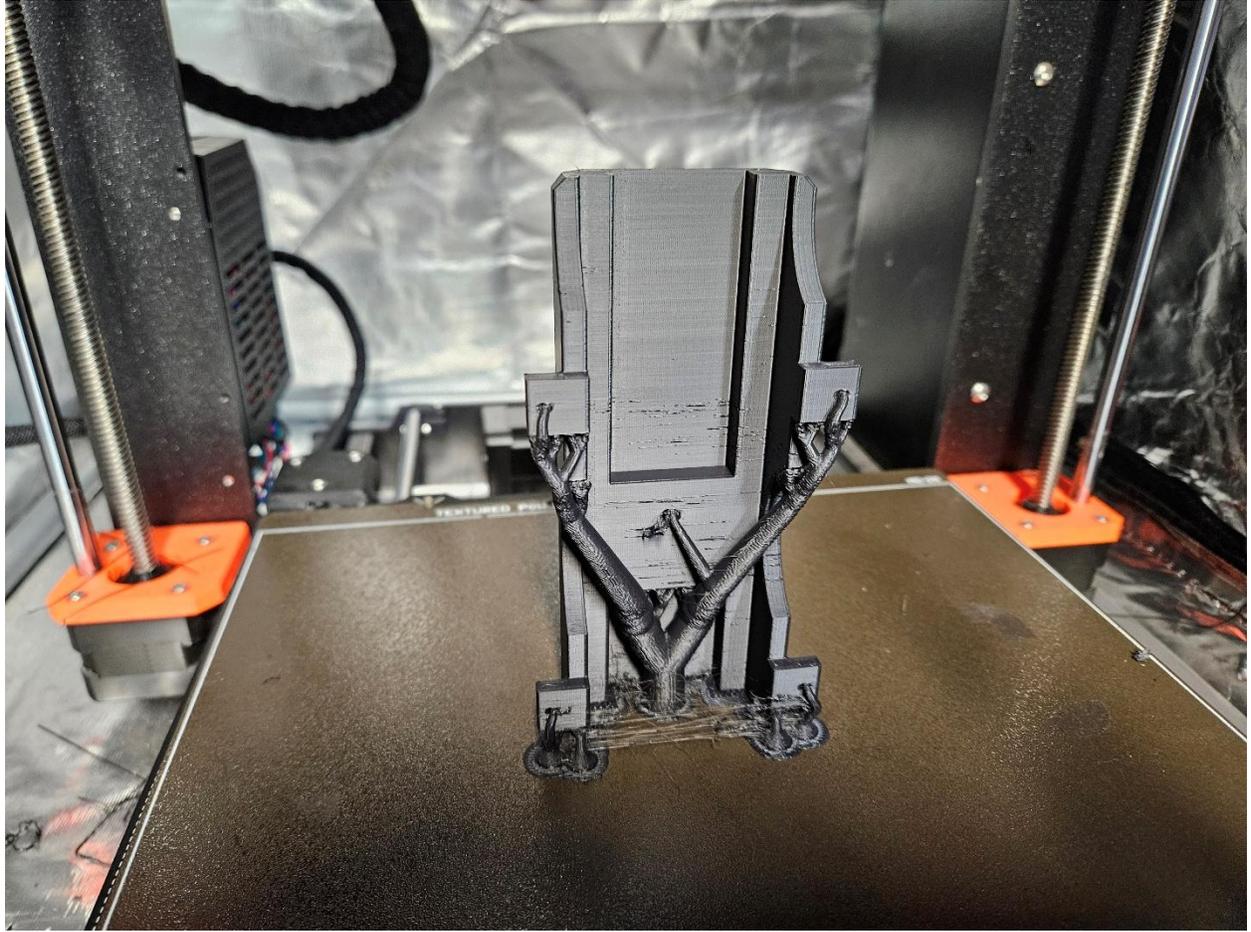
The short hood should be printed “nose up” for the best rendition of the SP lights.



The side frames are printed on edge, with the top of the sideframe “up”. I use organic supports for the side frames.

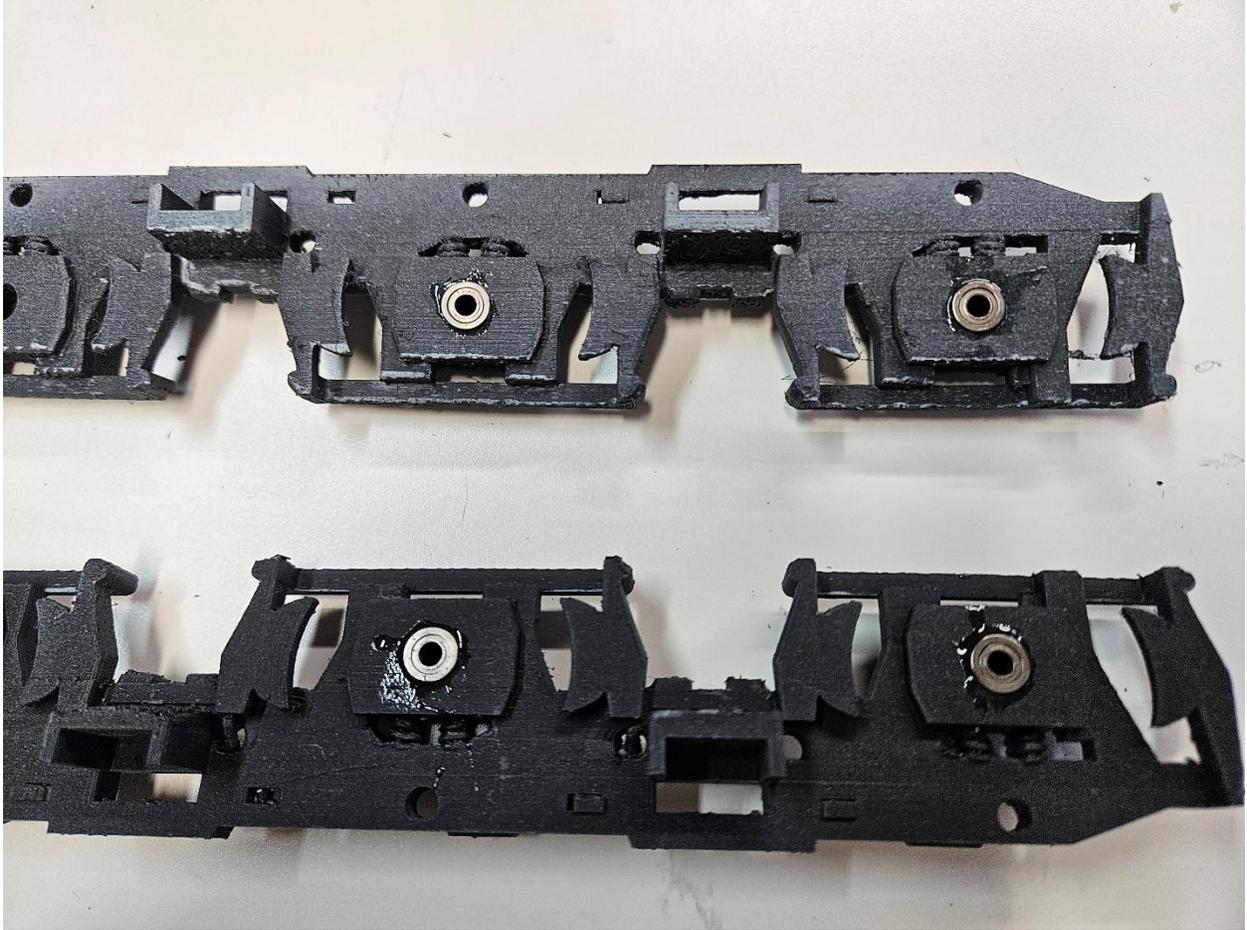


The motor mount should be printed on end. This will orient the layer lines for maximum strength on the pivot.

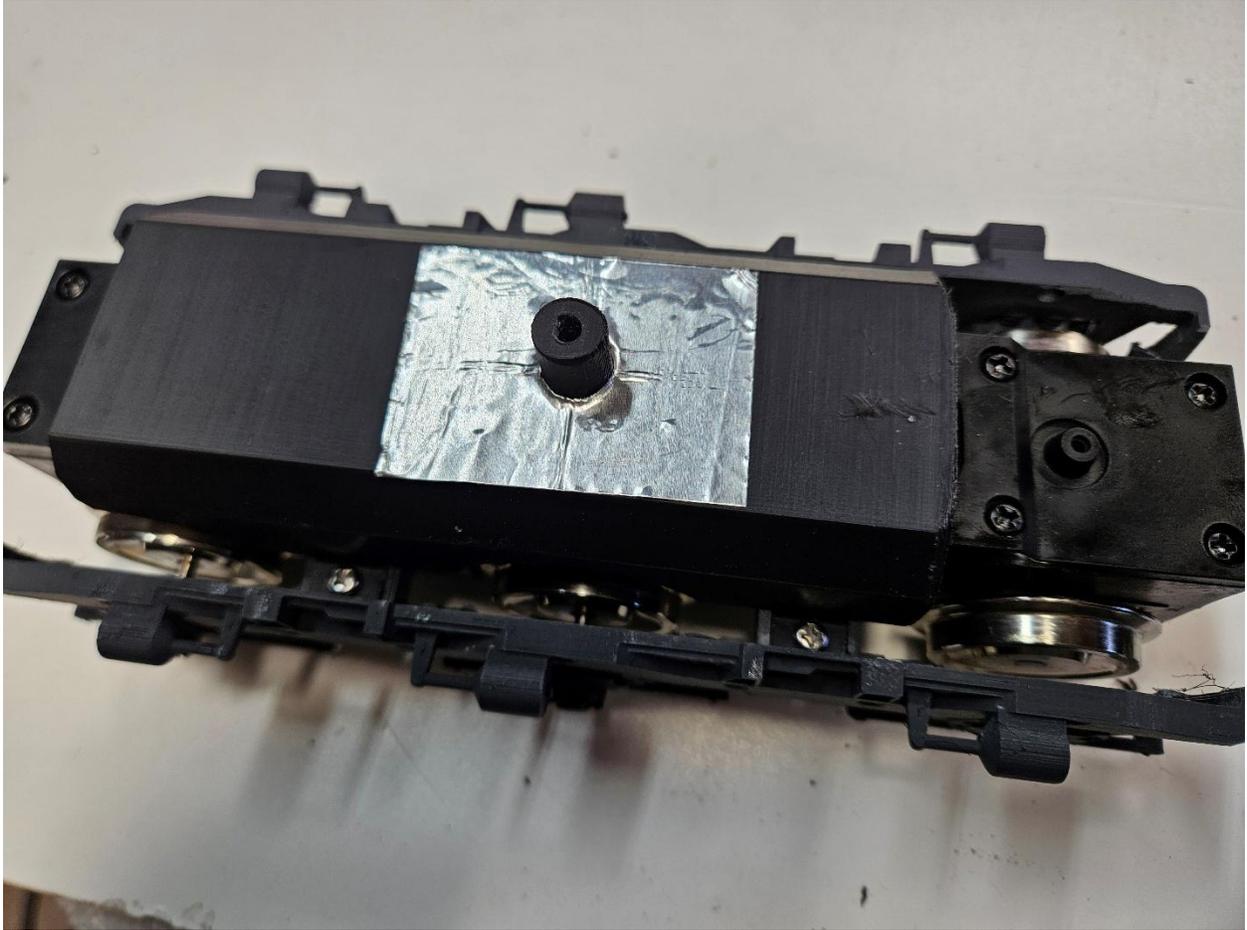




I insert roller bearings into the side frames. I epoxy the bearings into place, otherwise they can eventually work their way out. There are holes, however, in the bracket that would allow you to screw it directly to the motor block using longer screws. If you choose to do this, you should omit the bearings.



In order to reduce the friction between the base and the top of the motor bracket, I cover that area with metal foil.



The power truck assembly is mounted to the base using M4 bolts.



This document will continue to receive updates.