

Black Nightmare Puzzle Box Assembly Instructions

Original Black Nightmare by Bruce Viney, Homemade Puzzles, Jan. 2008

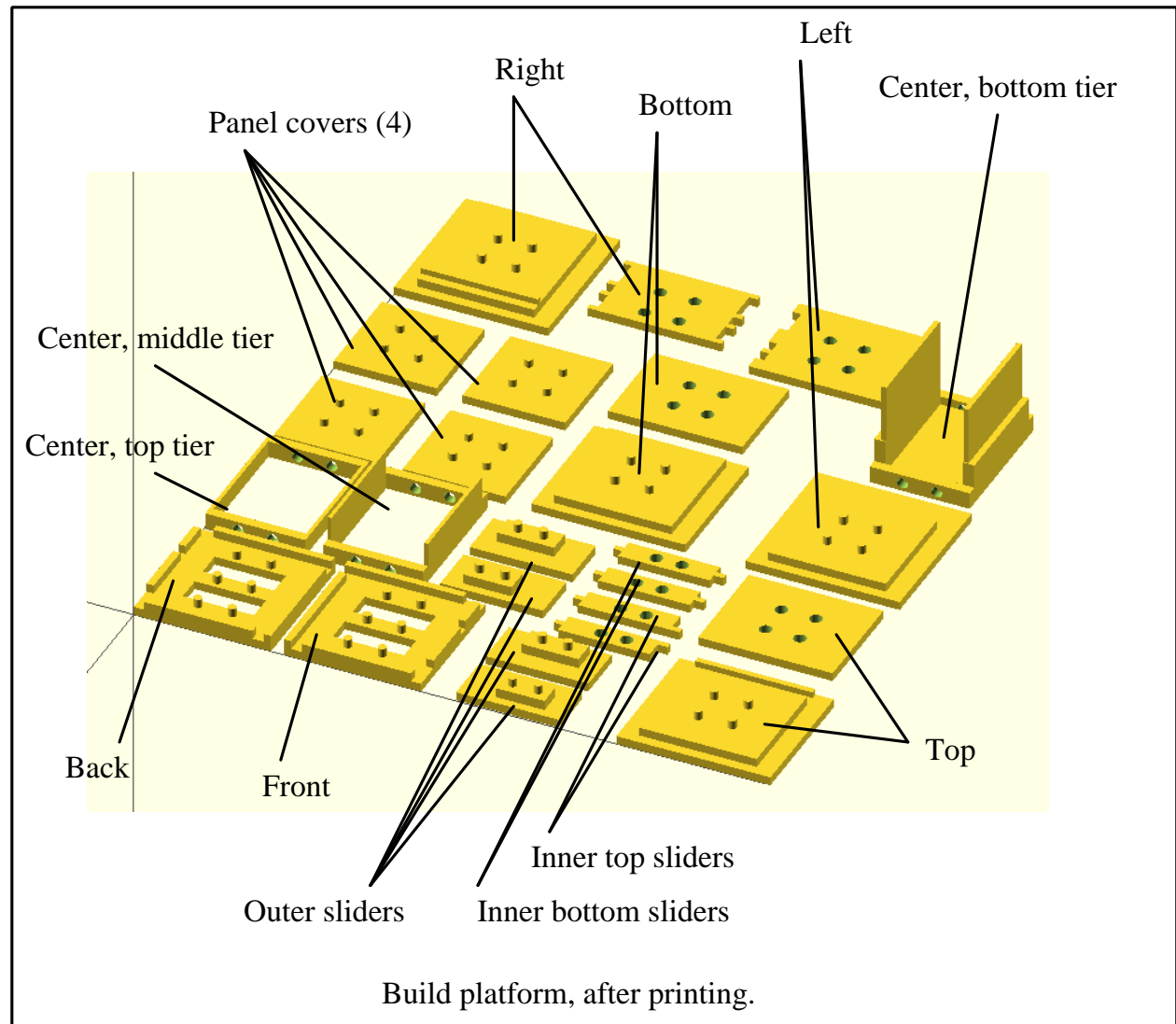
<http://homepage.ntlworld.com/bruce.viney/Black%20Nightmare%20Plans.pdf>

Black Nightmare 3D printer port: "ikilledkenny" (Don), Apr. 19, 2012

<http://www.thingiverse.com/thing:21658>

Black Nightmare SCAD port: Tim Edwards, OpenCircuitDesign, Feb. 25, 2013

(Corrections to figures on Page 4 and Page 7, Feb. 6, 2015)

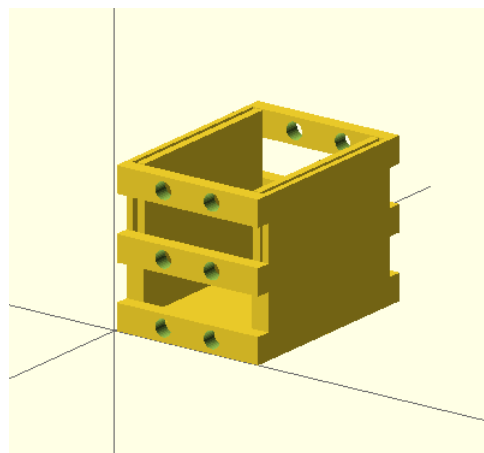
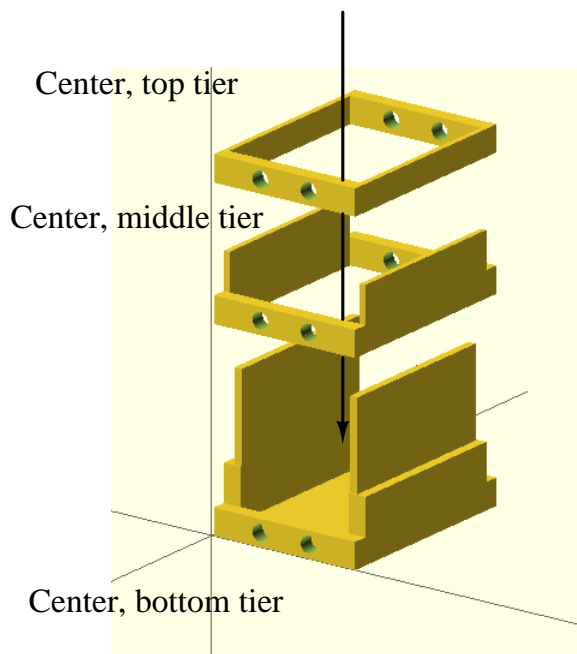


General instructions:

The box has been designed with pins and holes for proper alignment. Everything is supposed to fit together as advertised. However, different 3D printers will produce different hole and pin diameters. If pins are too large, holes can be drilled out to a larger diameter. Make sure all pieces are sanded smooth to avoid obstructing the channels where the pieces slide. In particular, the sliders on the front and back sides should move freely, after the inner box assembly.

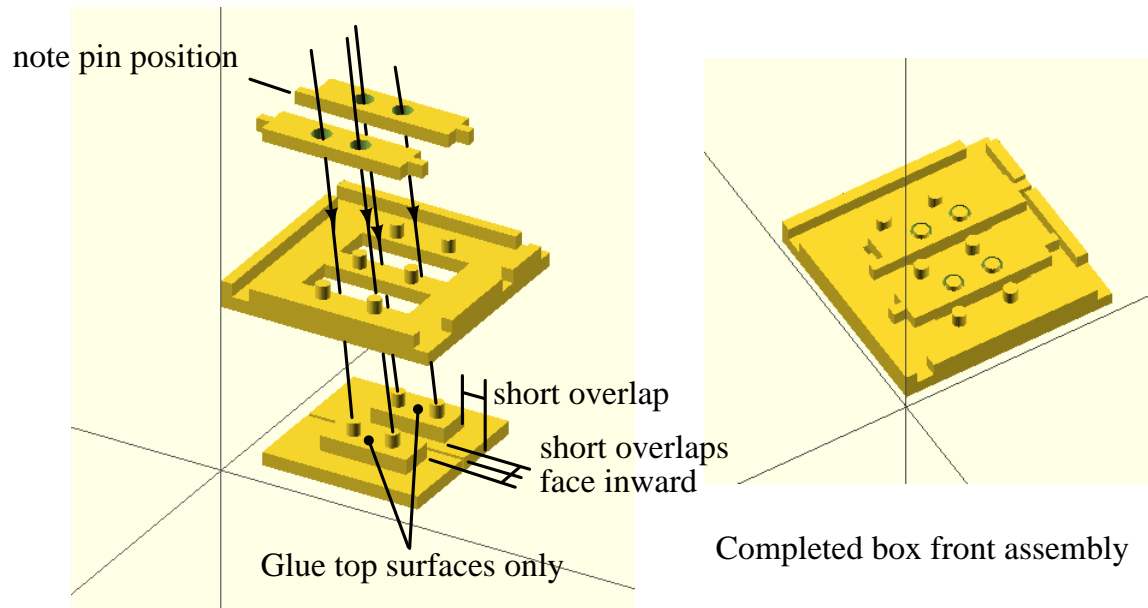
Step 1. Building the center box

This step only requires stacking the pieces. They do not need to be glued.

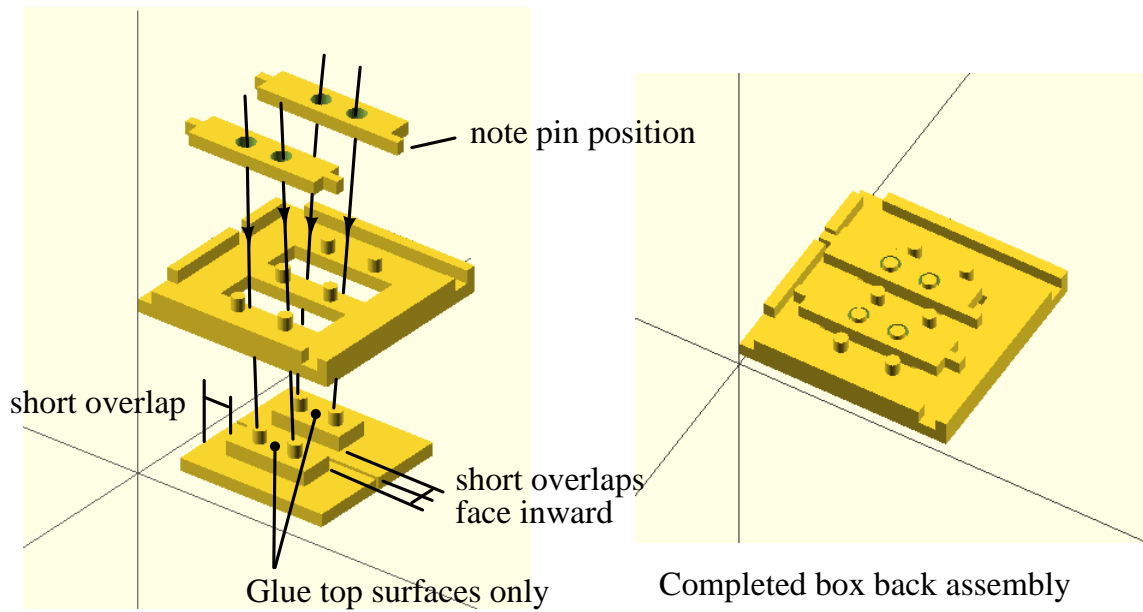


Completed middle box assembly.

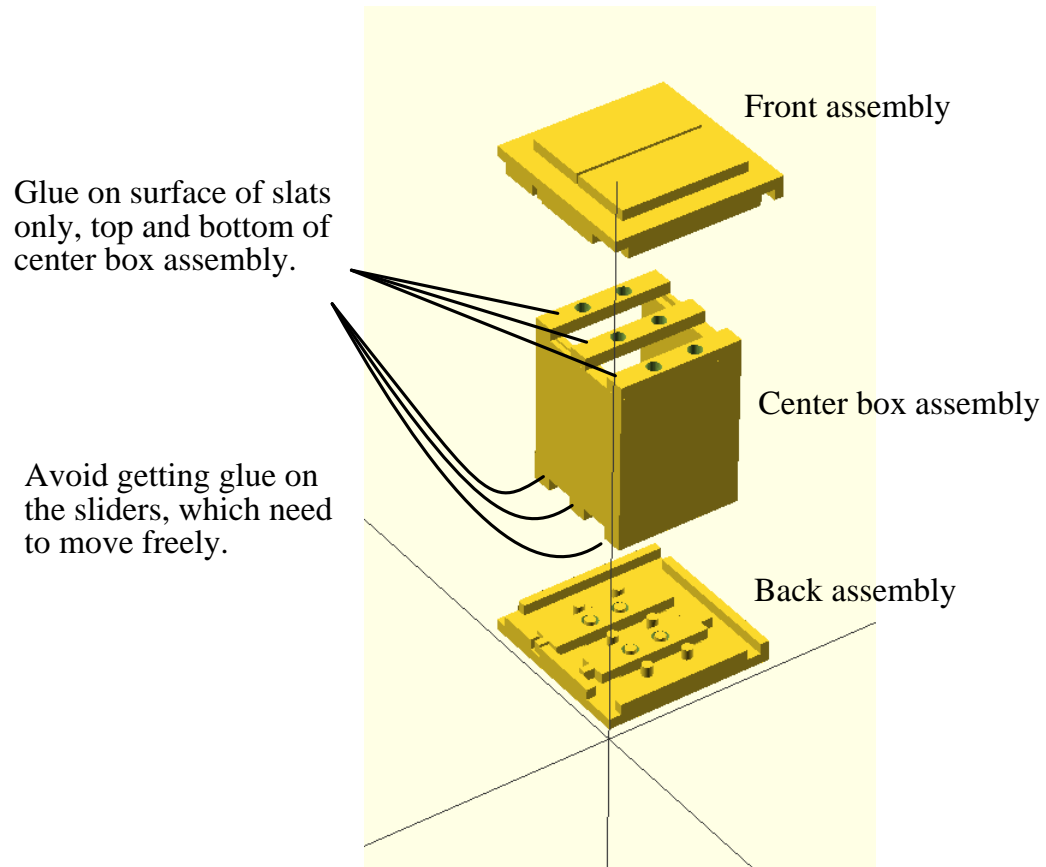
Step 2. Building the box front and sliders



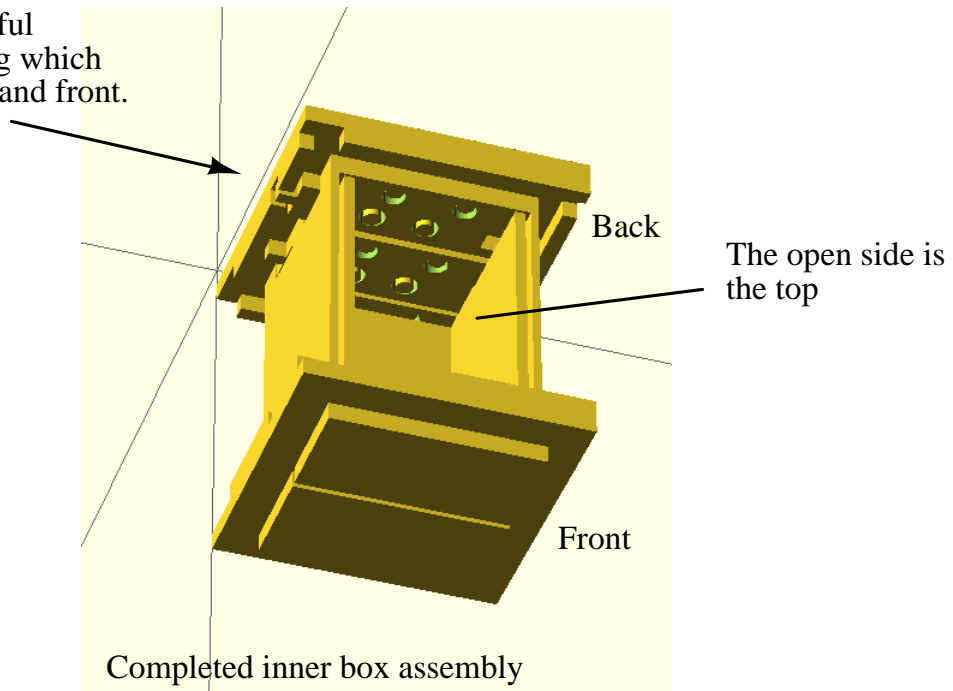
Step 3. Building the box back and sliders



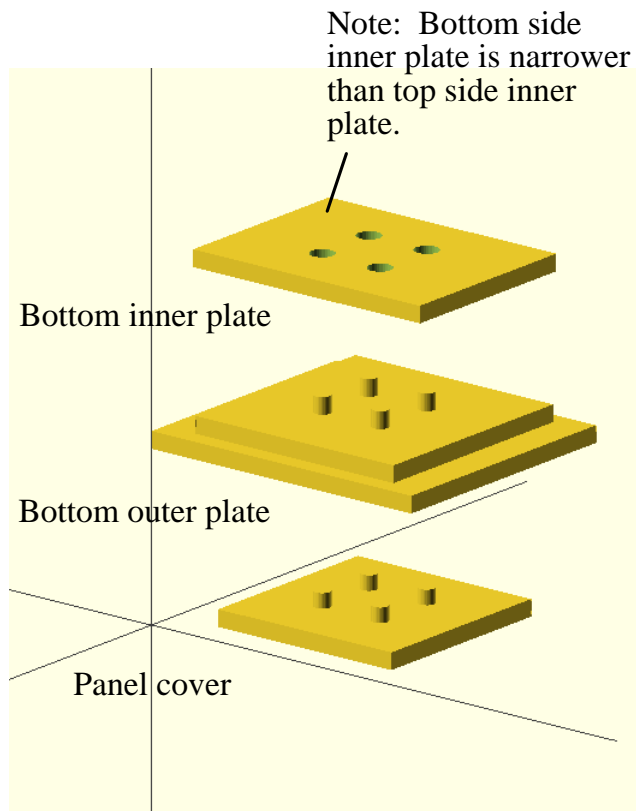
Step 4. Inner box assembly



This pin is useful for determining which sides are back and front.

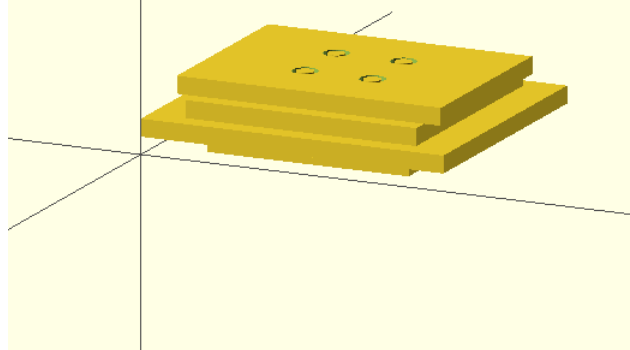


Step 5: Bottom side assembly



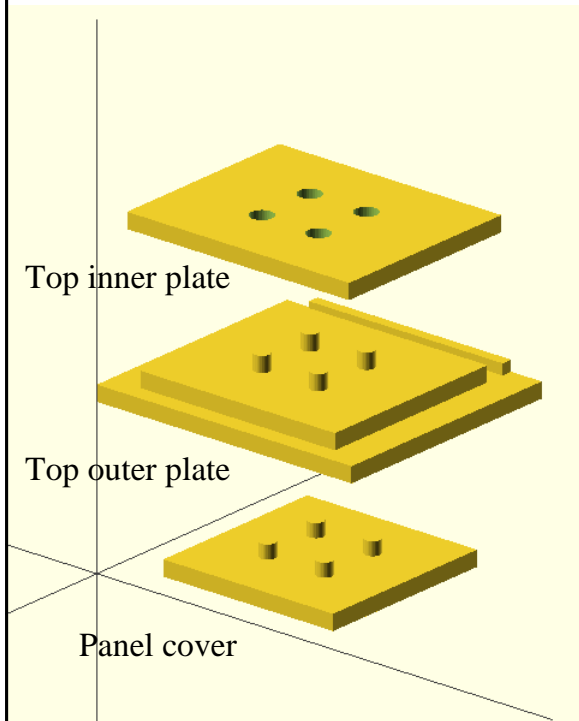
All panel covers are the same size.
Glue all pieces

Do not confuse bottom outer plate with left side outer plate. Bottom outer plate is centered on base; left outer plate is offset.

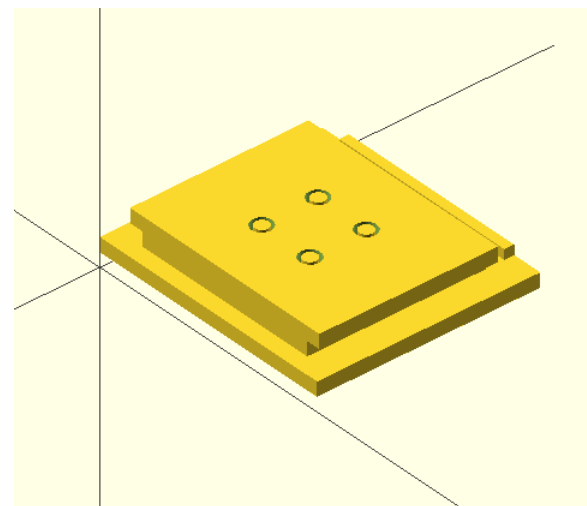


Completed bottom side assembly

Step 6: Top side assembly

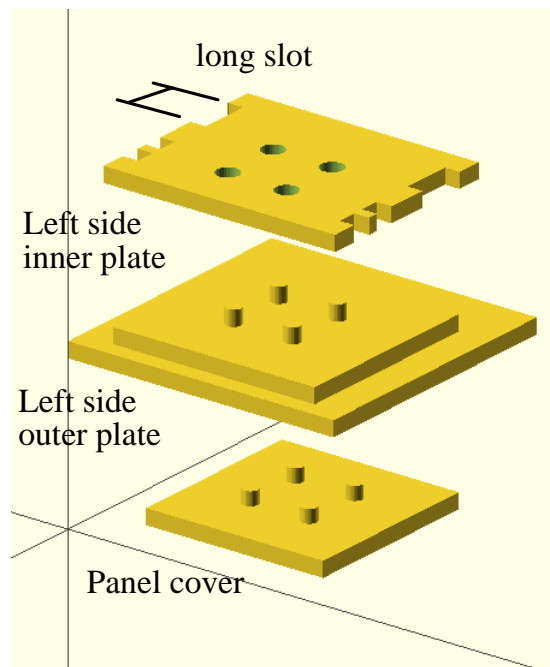


Glue all pieces

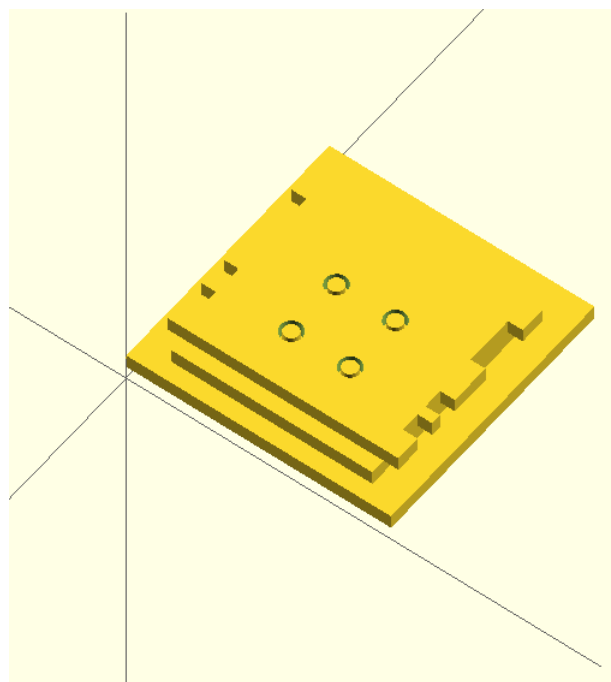


Completed top side assembly

Step 7: Left side assembly

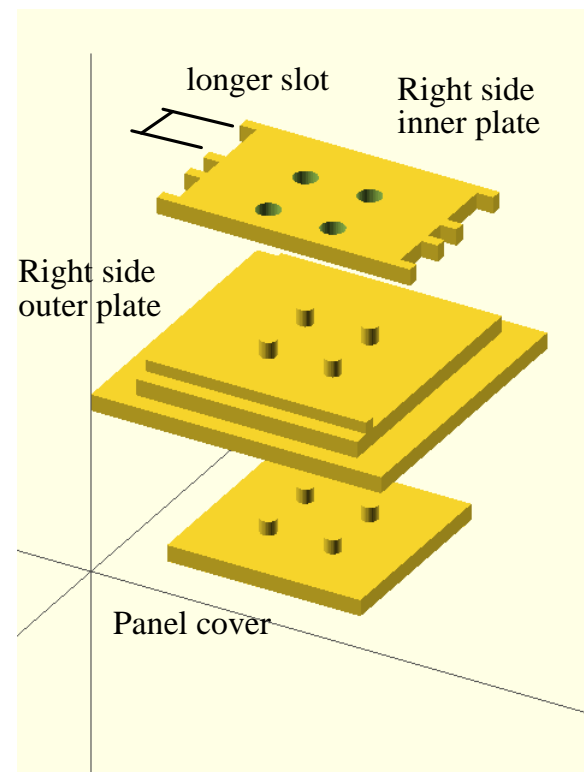


Glue all pieces

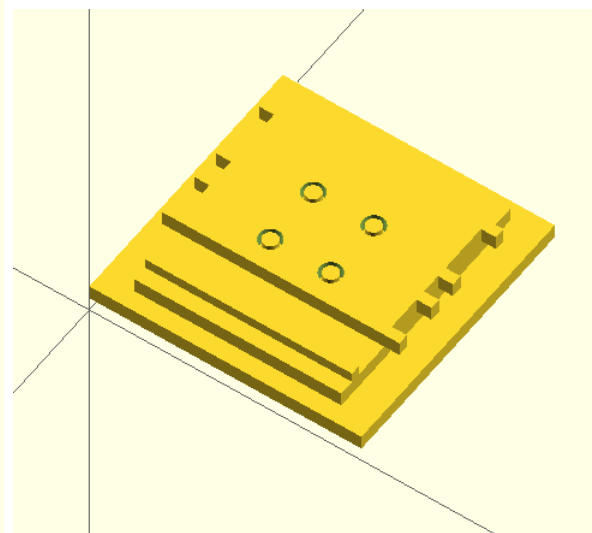


Completed left side assembly

Step 8: Right side assembly



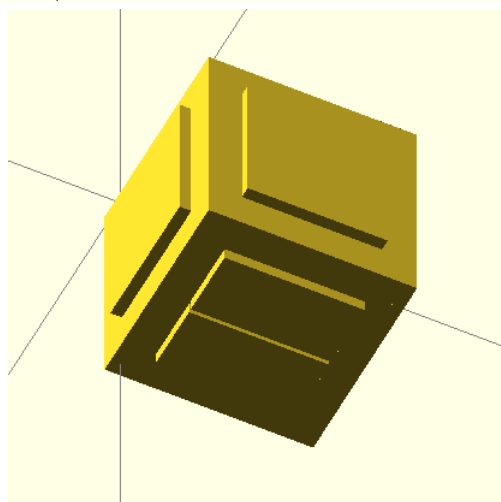
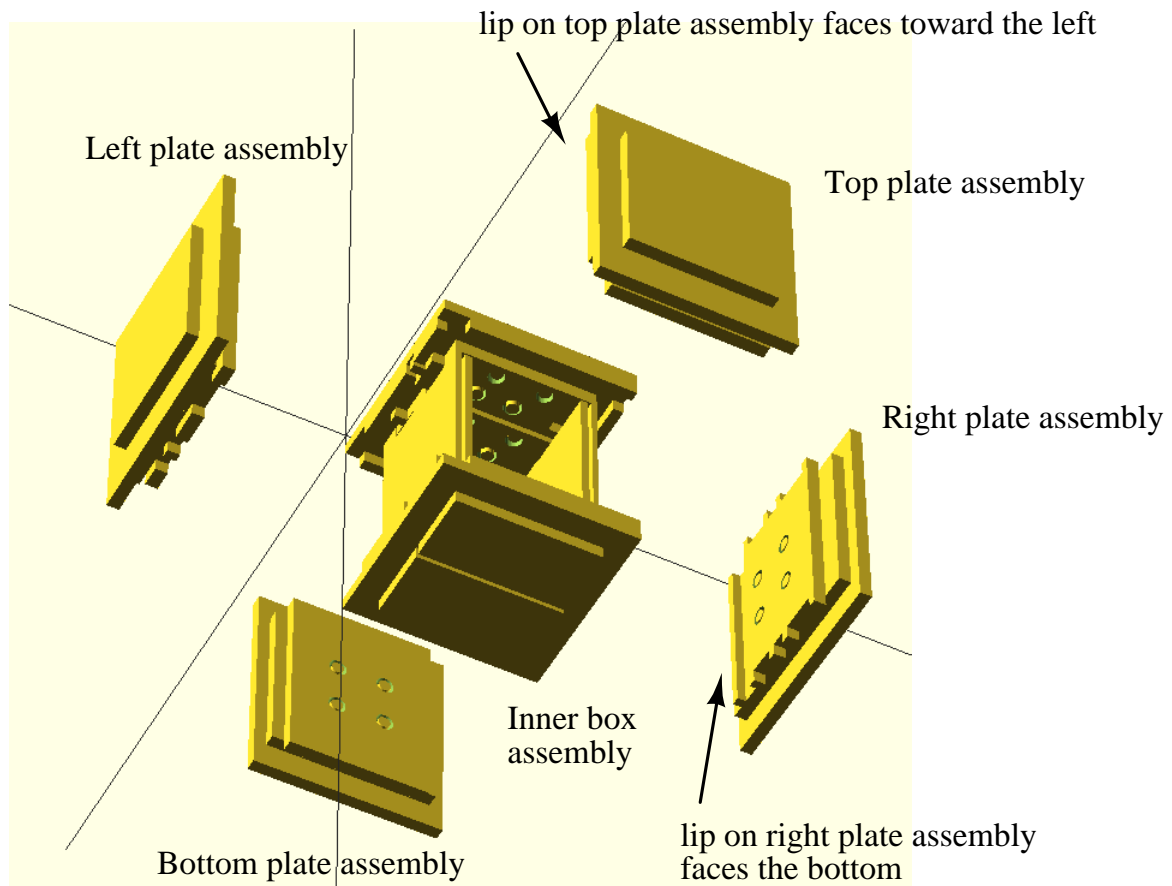
Glue all pieces



Completed right side assembly

Step 9: Final assembly (good luck!)

Instructions for solving the puzzle can be found at the original website (see cover page).



Completed (and solved!) Black Nightmare puzzle box