

MATERIALS LIST

Obtain the following materials before beginning assembly:

1. Acrylic Glue



2. Acrylic Glue Syringe



3. Set square



4. Glue gun and glue stick



For acrylic gluing instructions, review the below video link:

https://www.youtube.com/watch?v=hT6Ow_cBTps

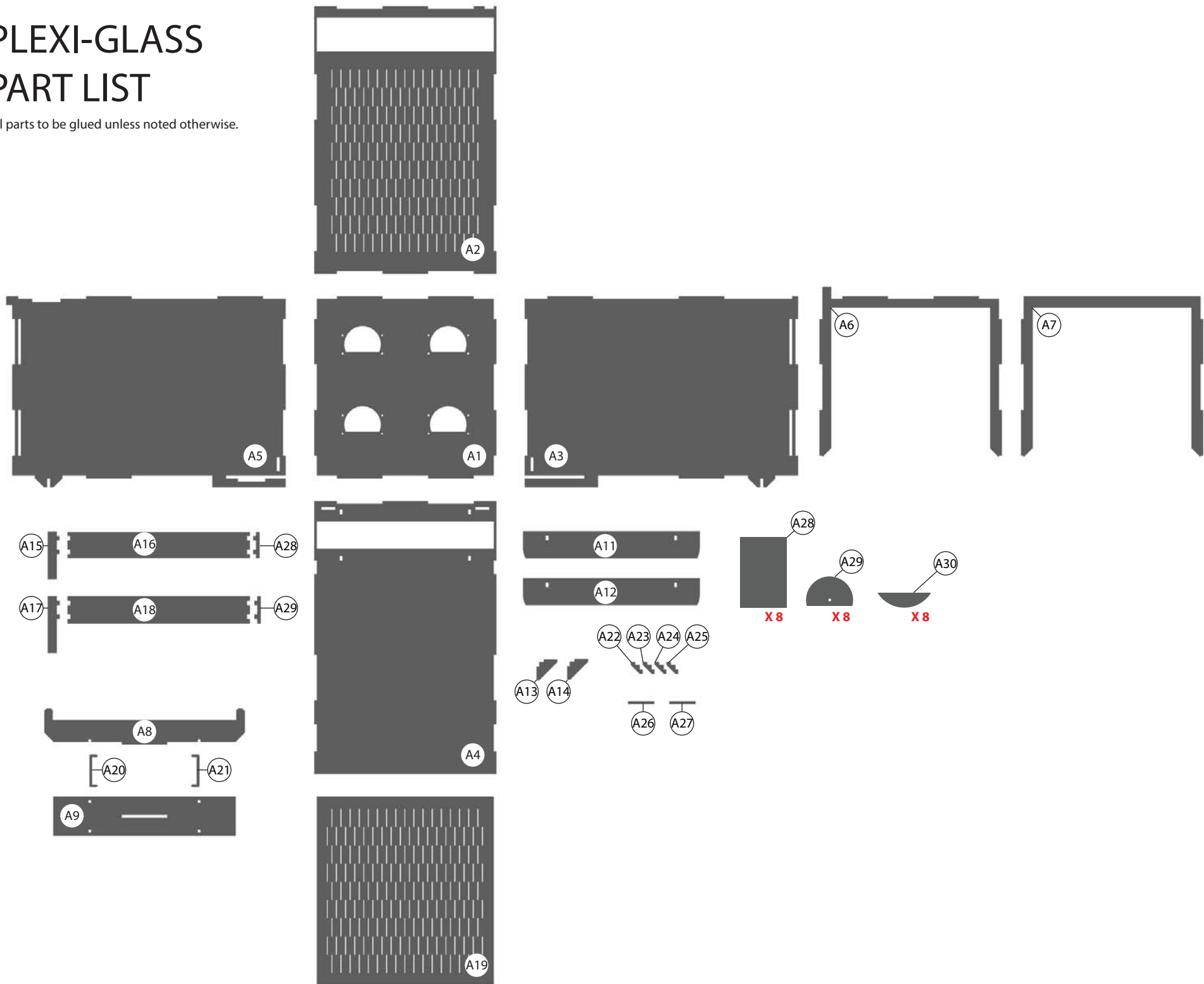
5. Screw and bolt



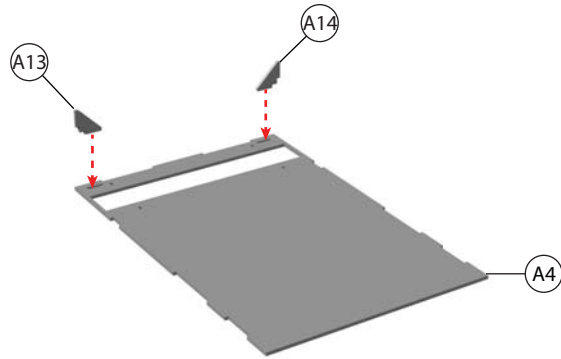
Ensure that screws are no wider than 2mm, and at least 15mm long.

PLEXI-GLASS PART LIST

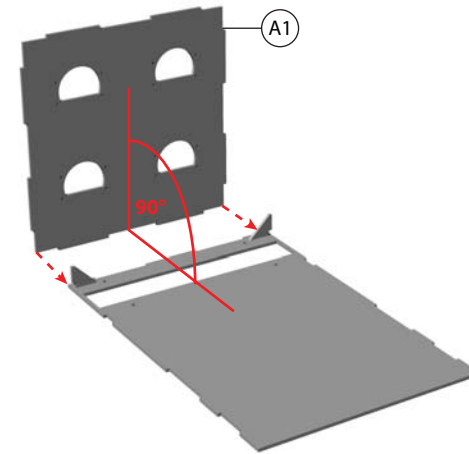
All parts to be glued unless noted otherwise.



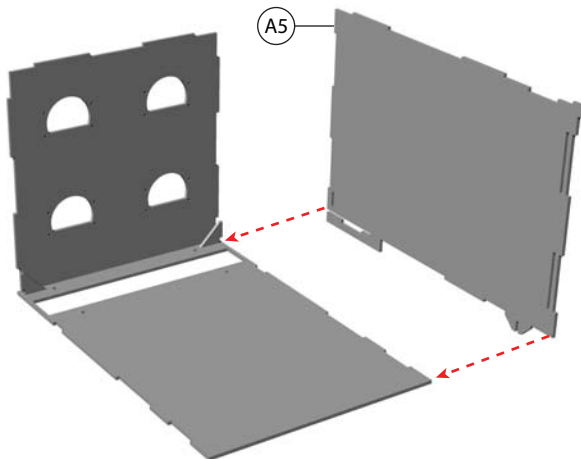
01 Insert part A13 and A14, but do not glue them in until after you complete step 03 and 06.



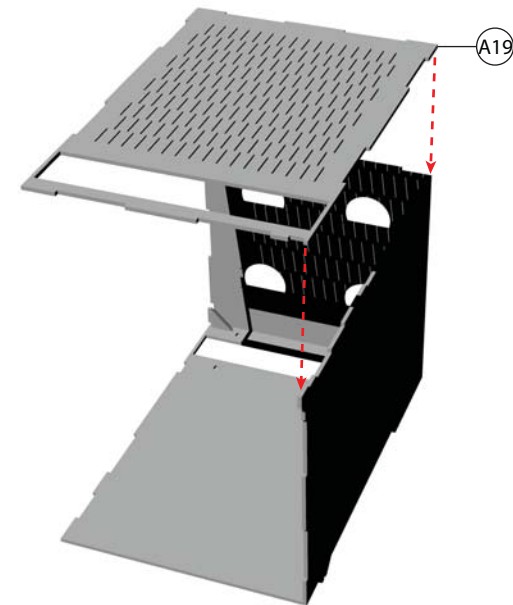
02 When gluing part A1 ensure that it is at a 90° angle.



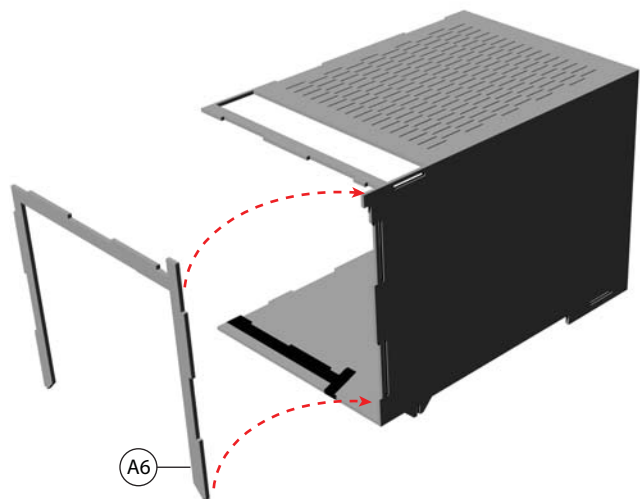
03 First glue part A5, and then glue part A14.



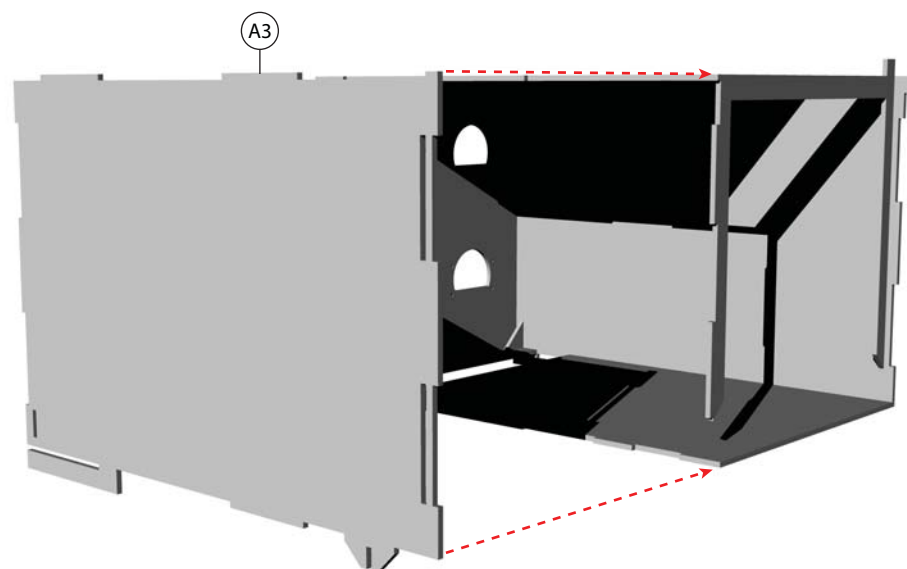
04



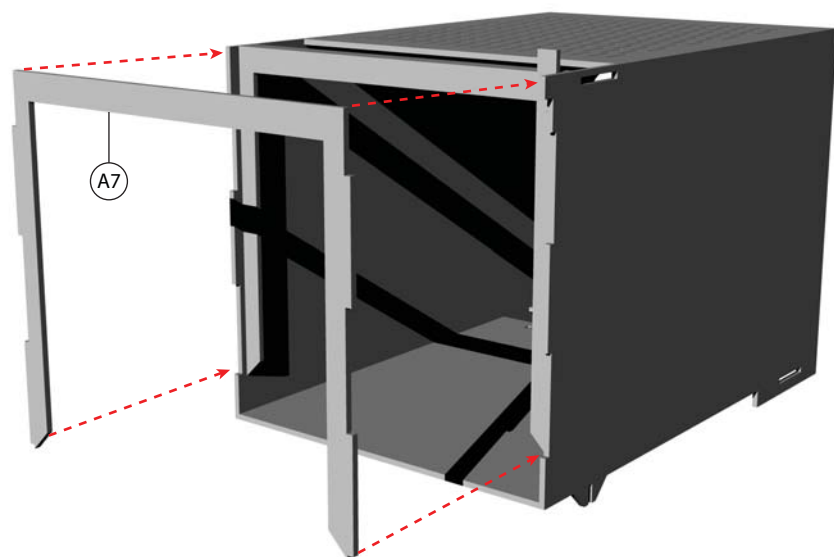
05



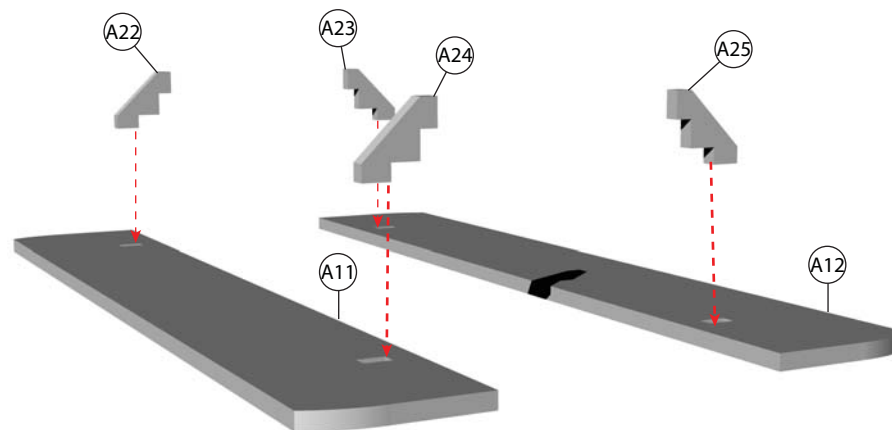
06



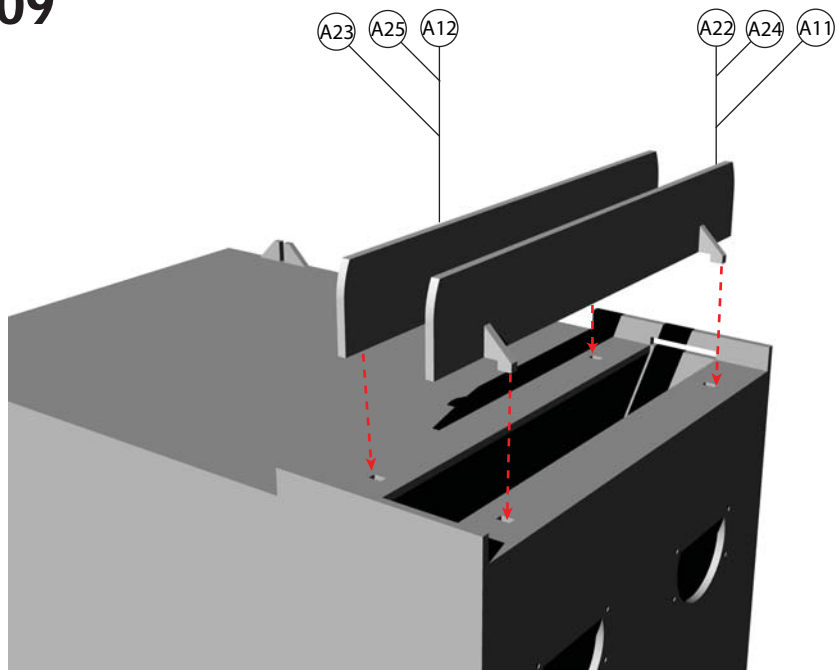
07



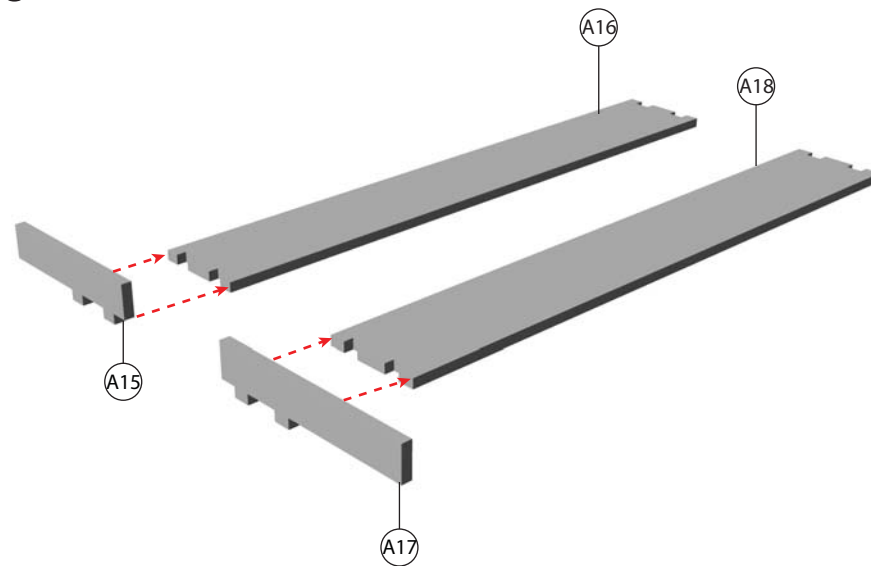
08



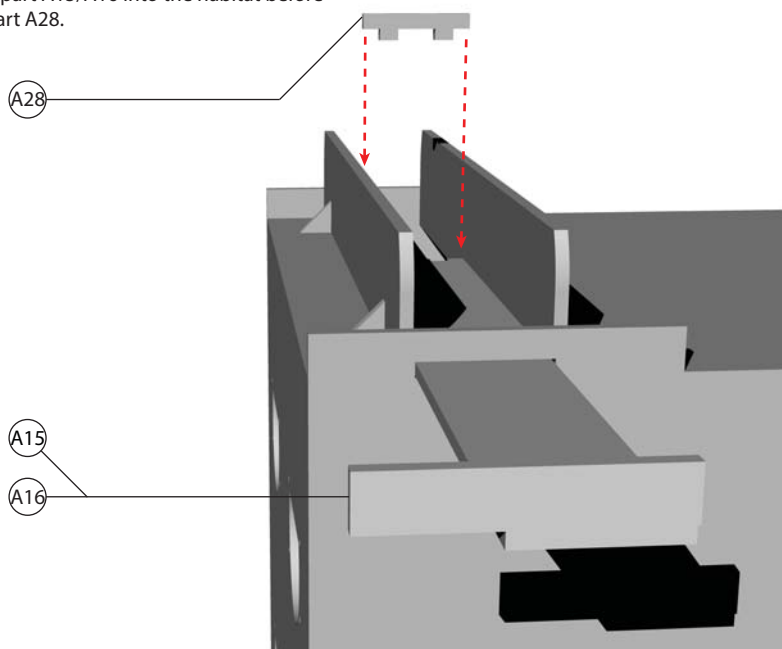
09



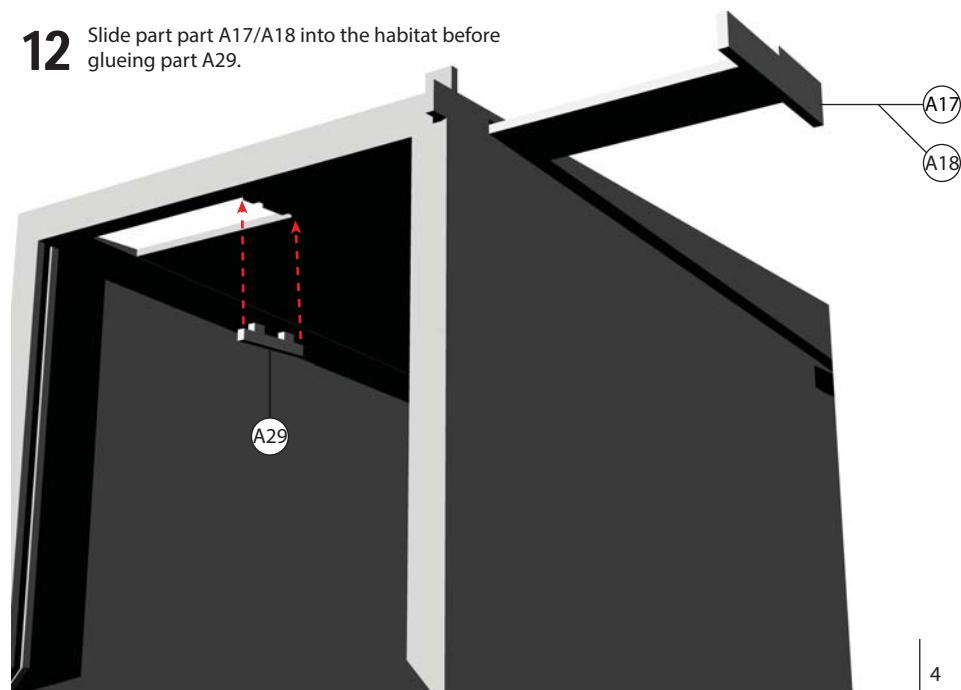
10



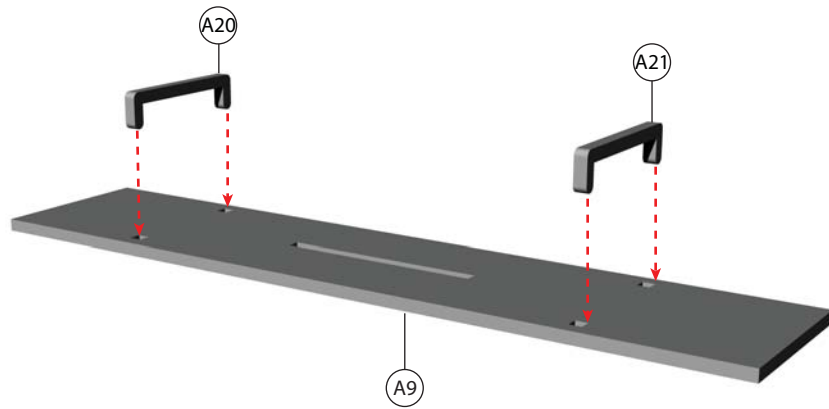
11 Slide part part A15/A16 into the habitat before glueing part A28.



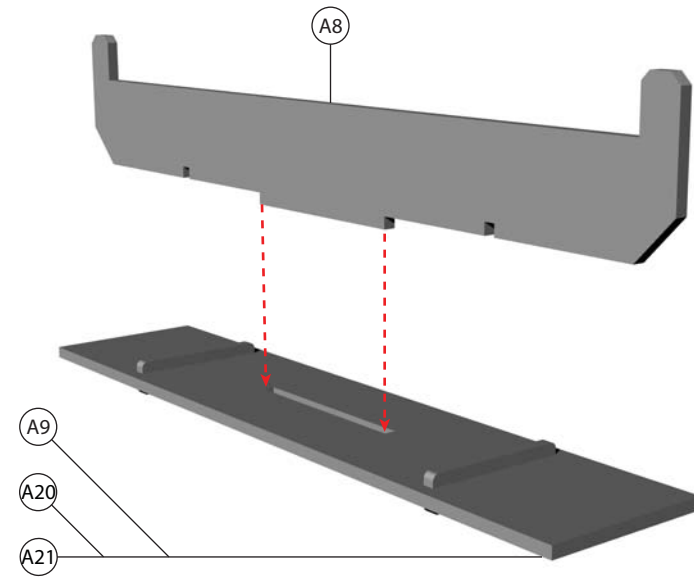
12 Slide part part A17/A18 into the habitat before glueing part A29.



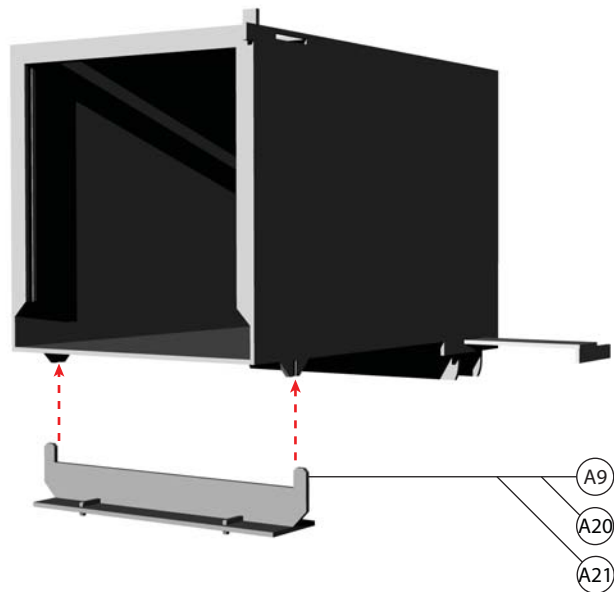
13



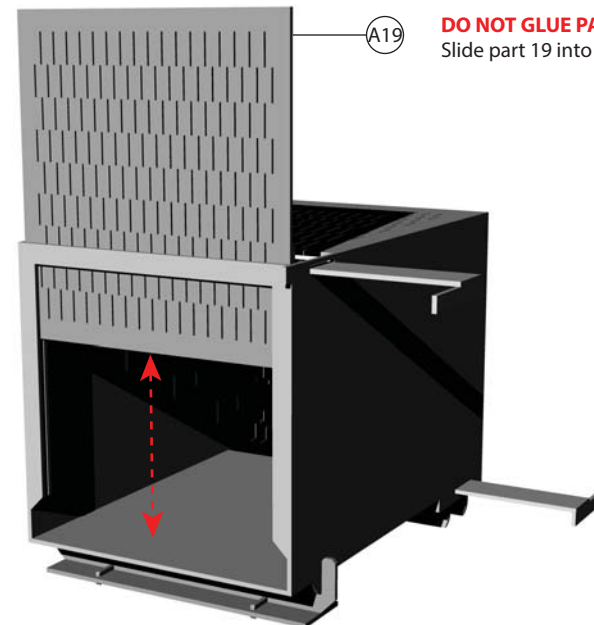
14



15

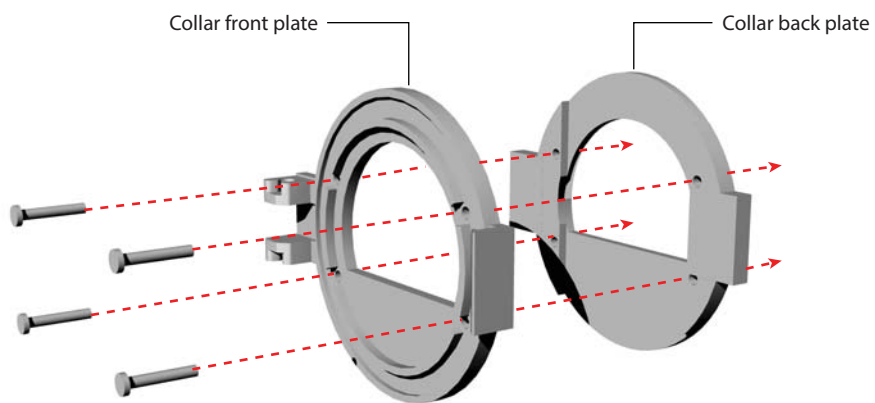


16

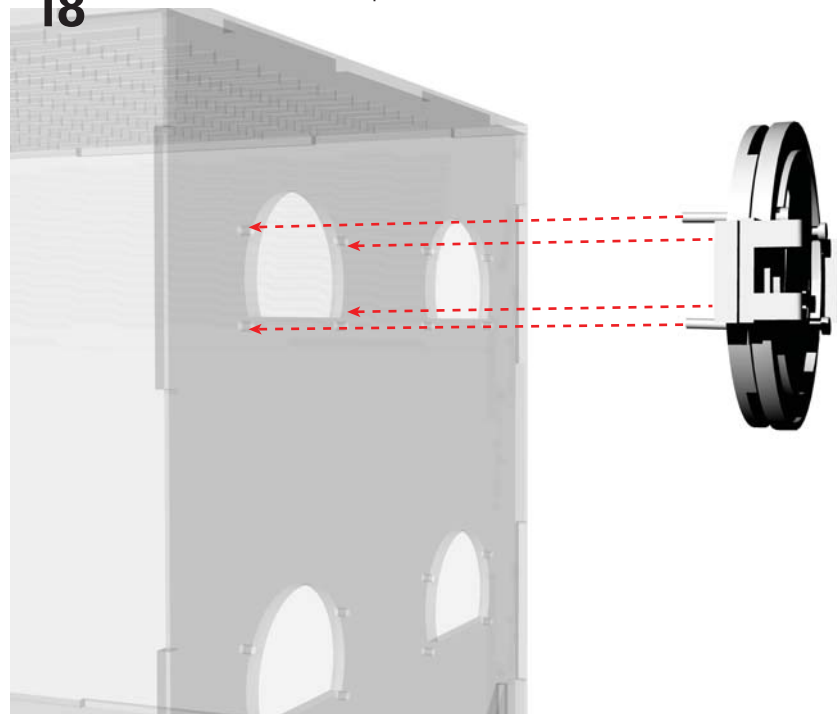


DO NOT GLUE PART 19.
Slide part 19 into the habitat.

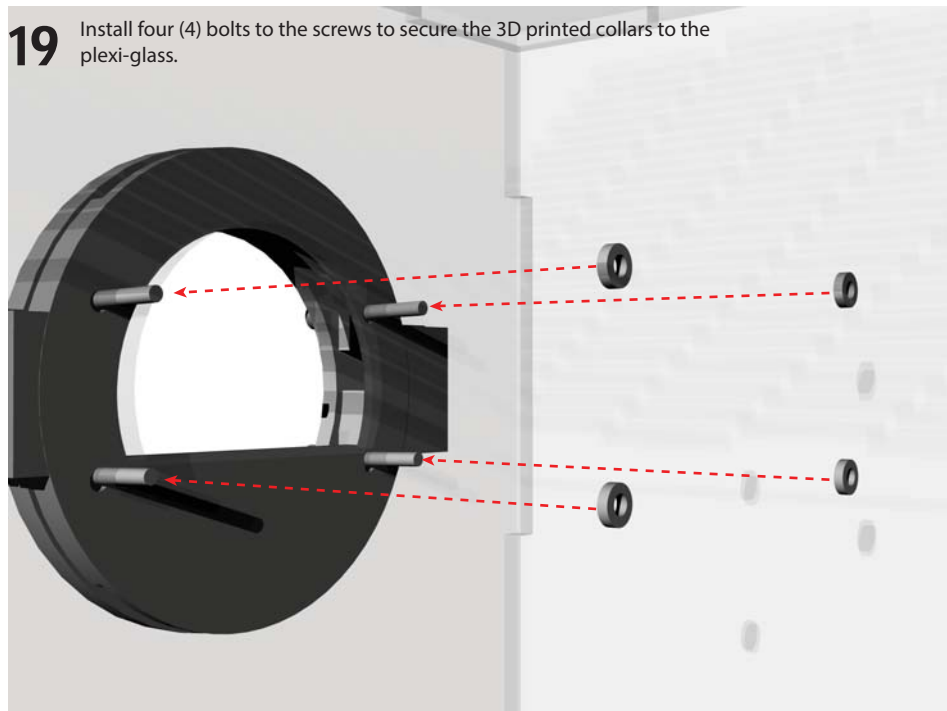
17 Install four (4) screws into each 3D printed collar.



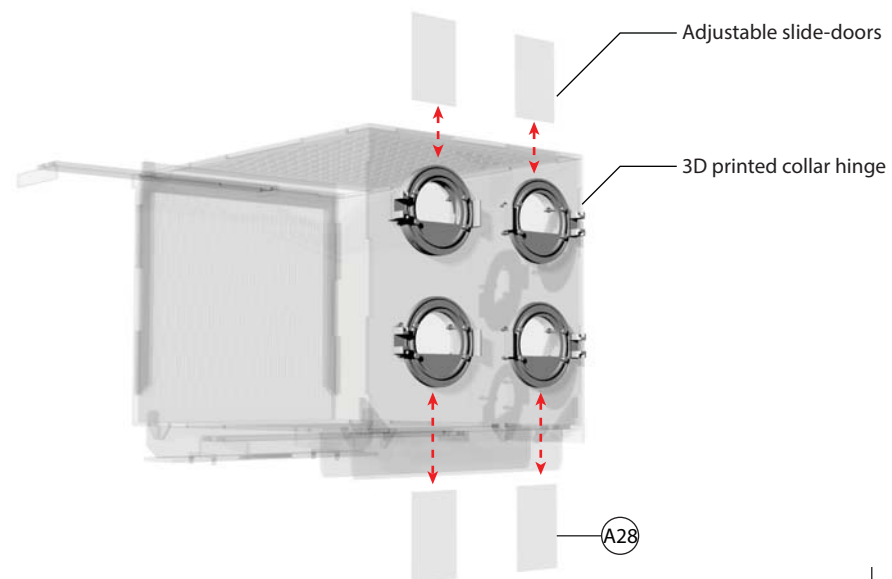
18 Insert the screw ends into the precut holes.



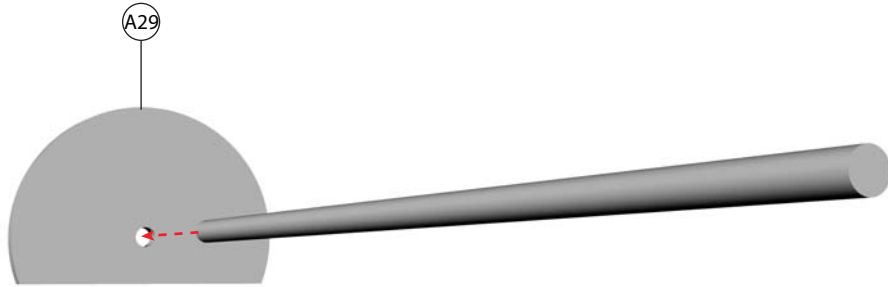
19 Install four (4) bolts to the screws to secure the 3D printed collars to the plexi-glass.



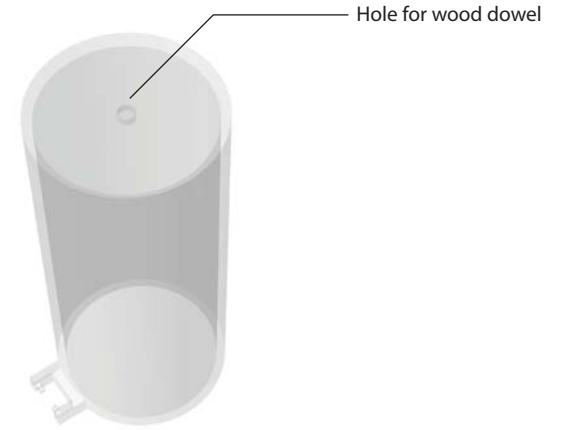
20 Ensure that all 3D printed collar hinges face outwards.



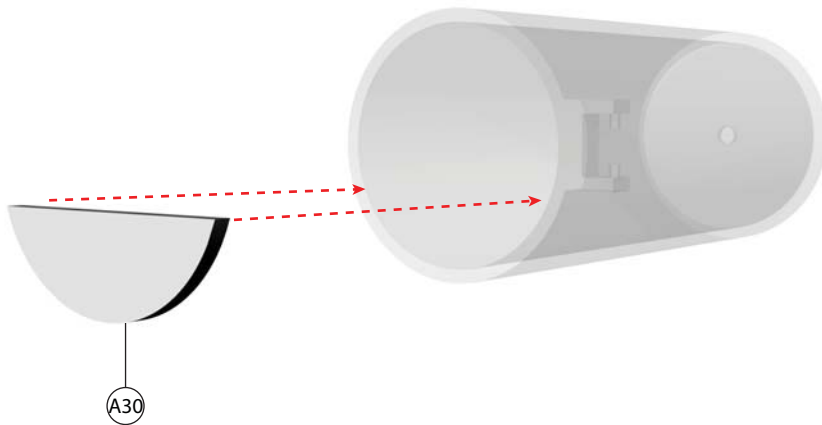
- 21** Create the plunger by hot glueing (glue gun) the wood dowels to all A29 parts.



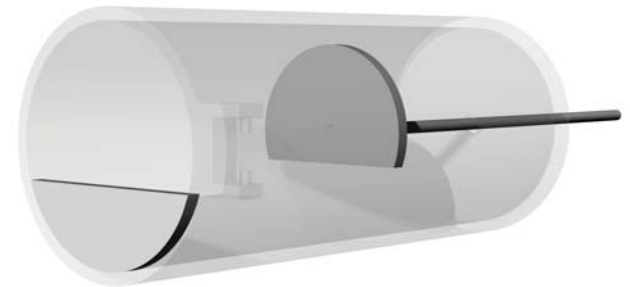
- 22** Drill a hole into the base of the cartridges that is large enough to fit the wood dowel.



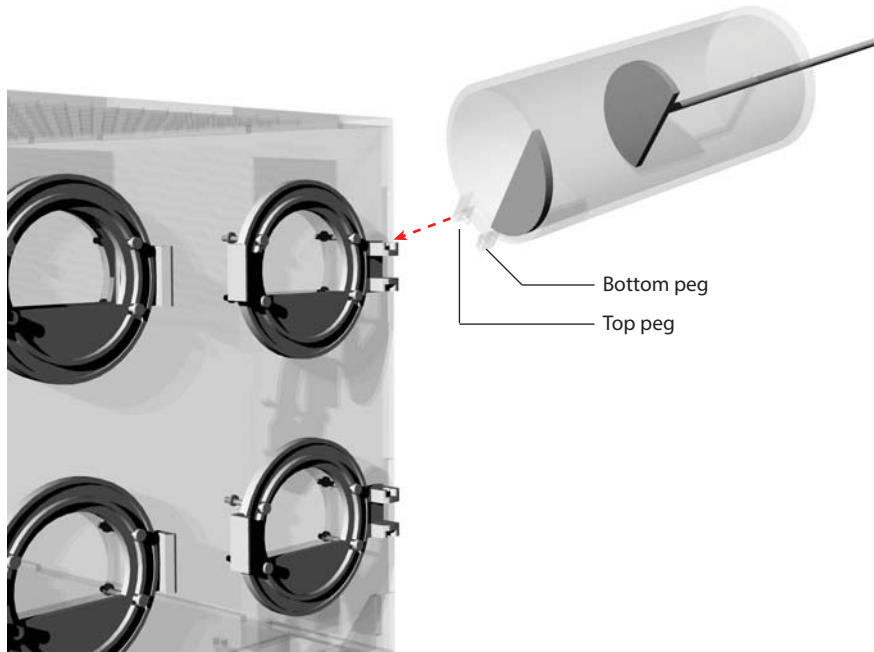
- 23** Hot glue (glue gun) all A30 parts to cartridges.



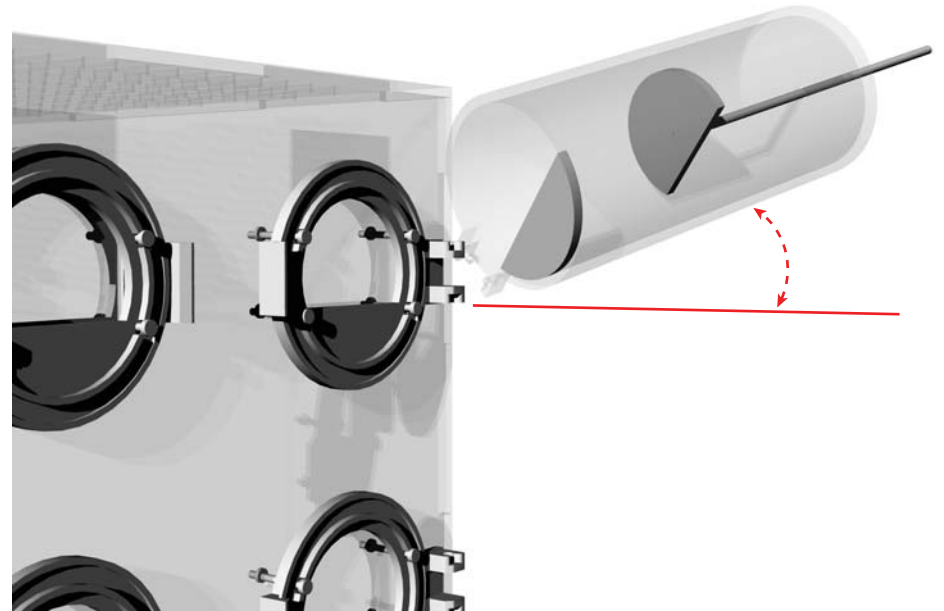
- 24** Insert plungers into cartridges.



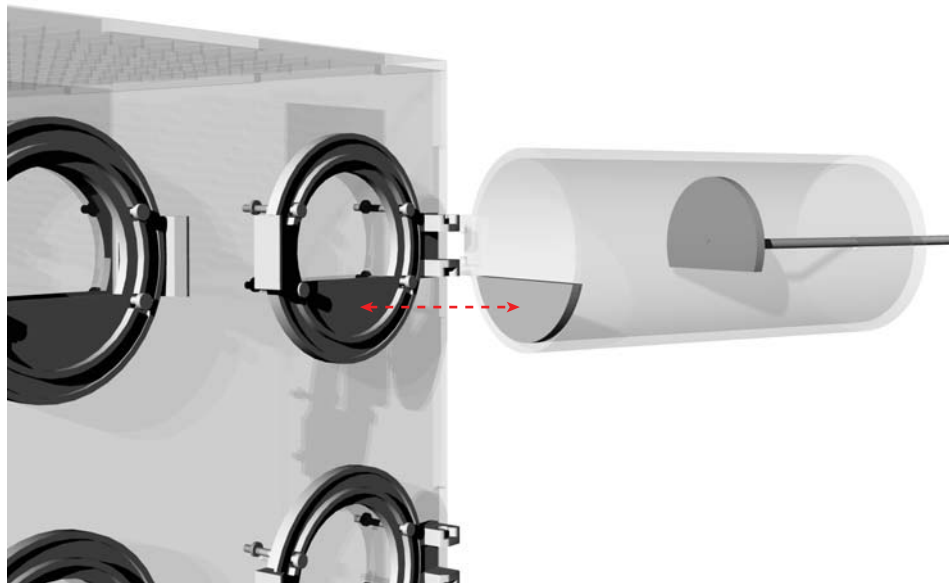
25 First insert the top peg of the cartridge into the hinge.



26 Gently rotate cartridge downwards to lock the bottom peg into the hinge.



27 Gently swing the cartridge shut.



28 HABITAT A IS COMPLETE.

