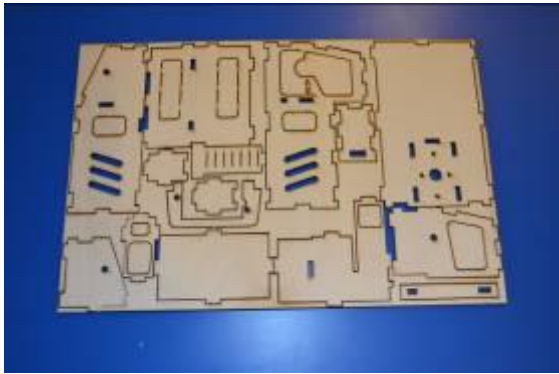
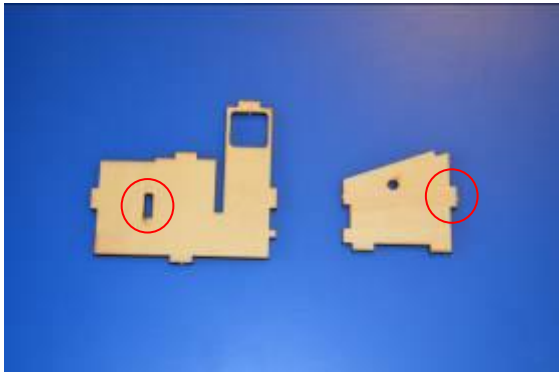


### Excavator- 3



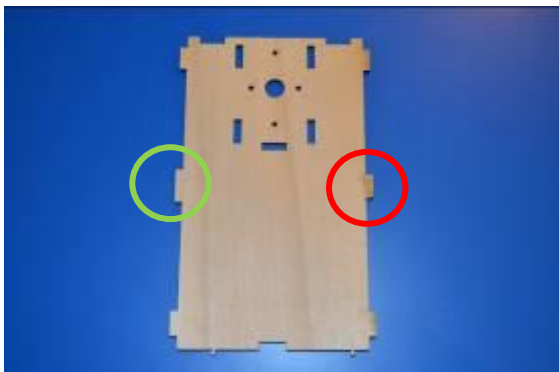
First, check all the parts from the previous lesson plan. Once checked, continue. Today we are going to use ALL the parts of the wooden plate shown in the picture. However, pop out each piece step by step according to the lesson plan



Pop out the pieces shown in the picture



Glue the parts together (look at red marks)



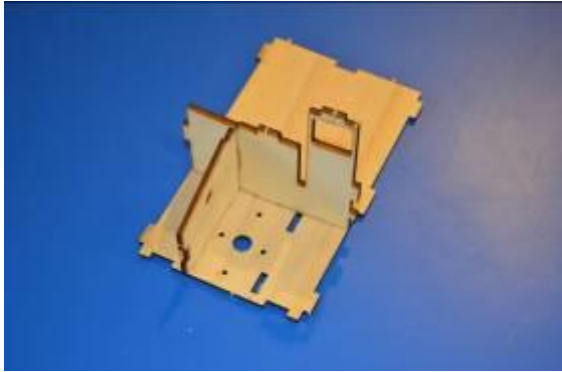
Pop out the base and place it on the table. Please notice that the part must be place exactly like in the picture. The left middle bump (green circle) is wider than the right one (red circle).



Glue the front cabin onto the base



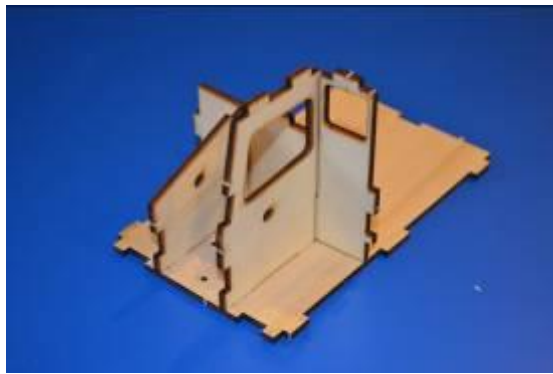
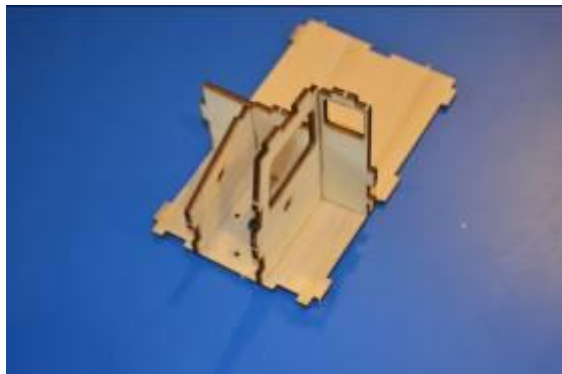
View from a different angle



We are going to continue working on the base when it is facing us.



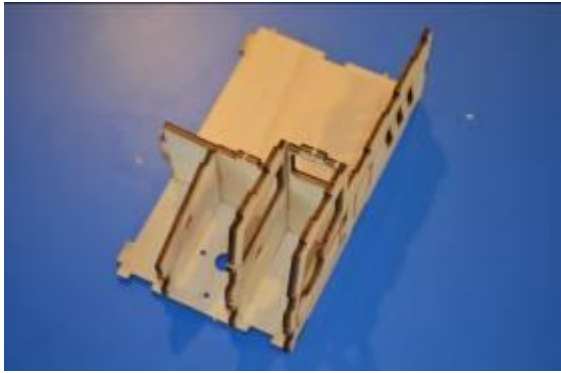
Pop out the part shown in the picture



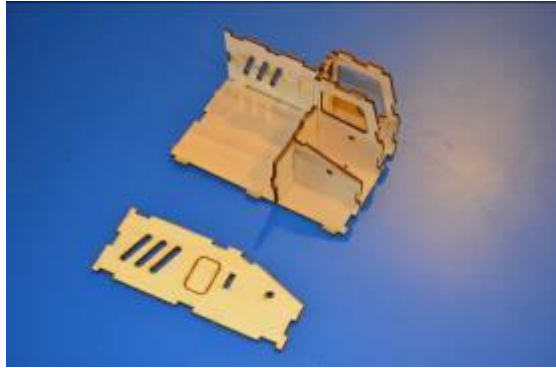
Slide the part from the top and into the base. Use glue to secure the part in its place.



Pop out the side wall of the base



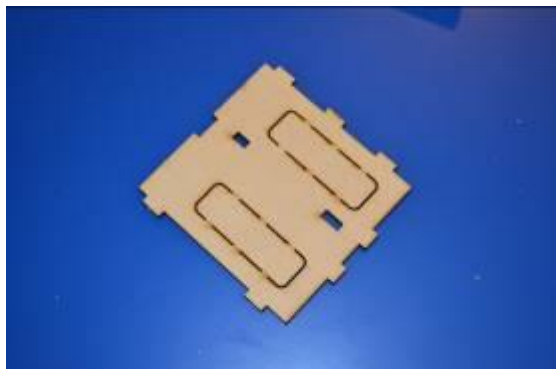
If the model is facing us, this part is the right wall of the base (driver's side). Glue it to its place. In a case a student placed the base backwards, now will be the time to fix it.



Pop out the left wall of the cabin



Glue it in its place



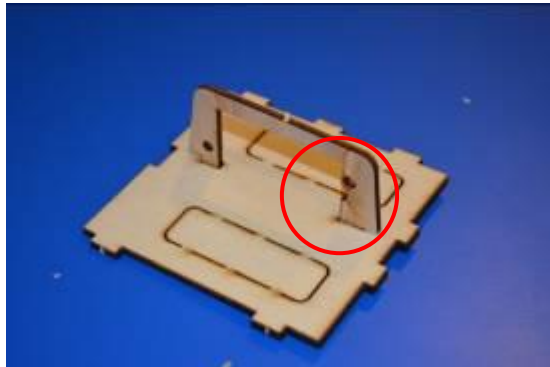
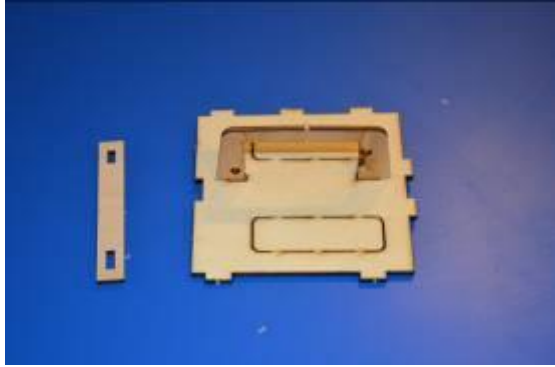
Pop out the part shown in the picture



**DO NOT USE GLUE!!!!**  
Just place the part in its place so you understand how to assemble it.



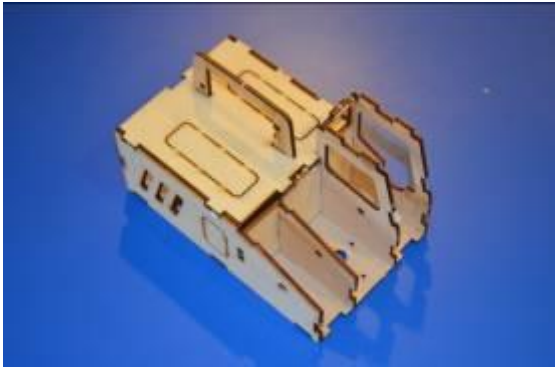
Pop out the parts shown in the picture



Lift the square part from the cabin and place it on the table as it was assembled. Insert the “goal” part when the crack is facing the front (red circle)



Glue the third part on the bottom to secure the goal in its place.

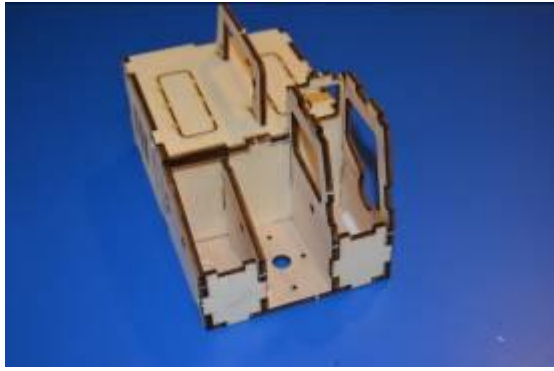


Only then glue the square piece onto the cabin making sure the circled crack in the goal part is facing the driver (red circle)



CHECKPOINT!!! Check all the models. Once checked, continue. Pop out the parts shown in the picture.

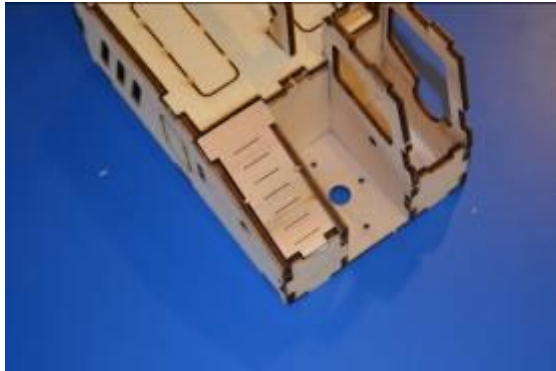




Glue the parts on the bottom of the cabin's front



Pop out the part shown in the picture



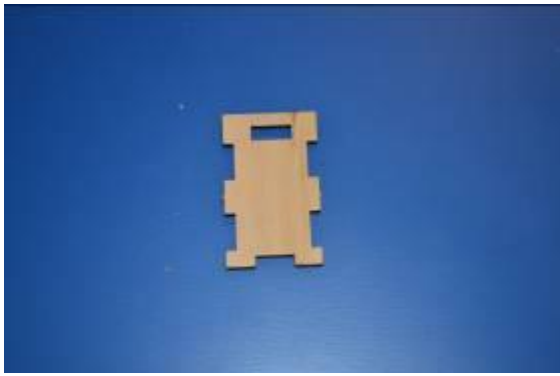
Glue it to its place



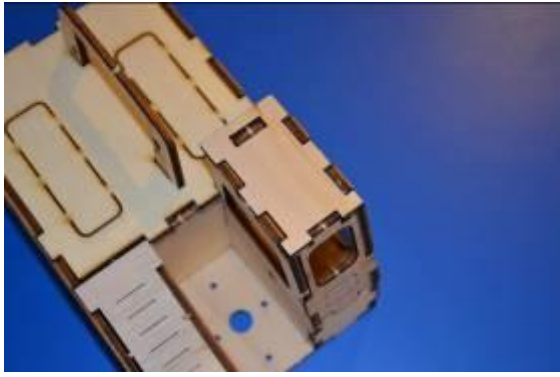
Pop out the part shown in the picture



Glue it to its place (driver's windshield)



Pop out the part shown in the picture



Glue it to its place



**CHECKPOINT!!!**

Check all the models and make sure all the students assembled the part correctly. Once checked, continue.

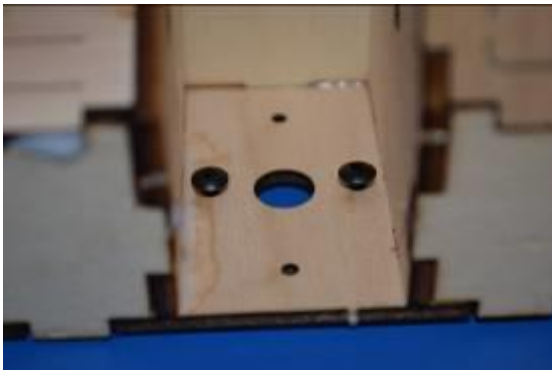


Pop out the part shown in the picture. **DO NOT GLUE!!!**

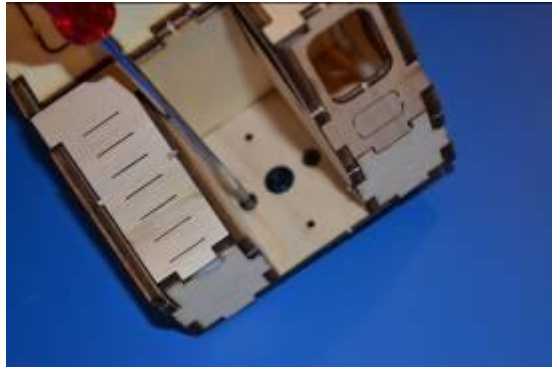
Write down the student's name on this part and place it in their plastic bag.



If you have time, continue, if not, start the next lesson with completing this part. Each Student gets 2 bug screws and one servo head.



Insert the tip of the screws from the upper part (next to the driver's seat) DO NOT TIGHTEN THE SCREWS!



Double check all students places the screws in the right place.



Place the servo head on the bottom side of the base. Make sure the bump on the servo head is facing the floor (so we can later connect it to a servo)



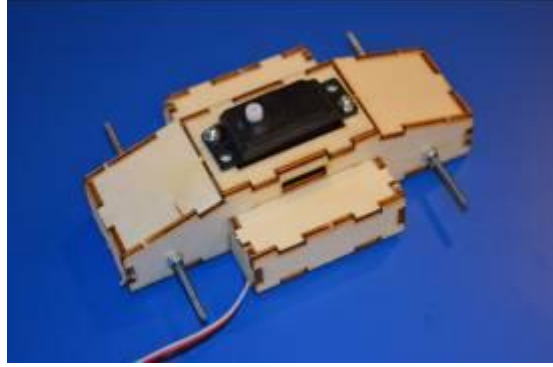
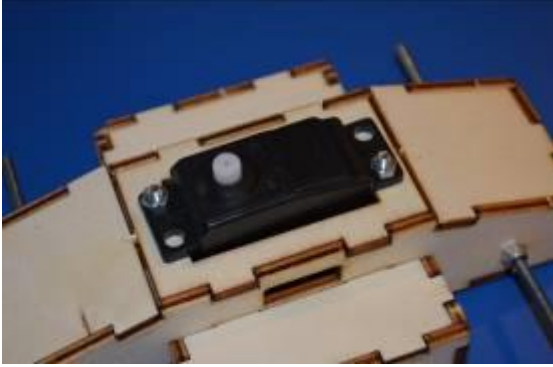
Tighten the screws! And again make sure the bump on the servo head is facing the floor (so we can later connect it to a servo)



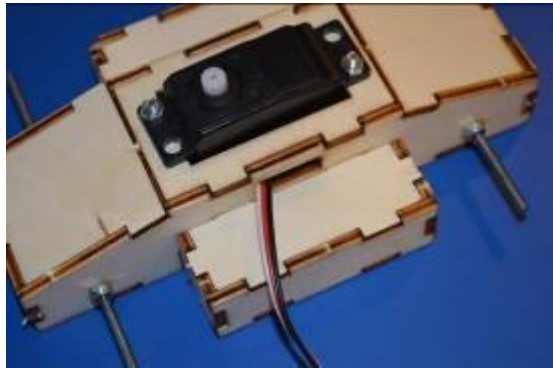
This is the complete cabin



If you have time, continue, if not, start the next lesson with completing this part. Each Student gets 2 servo (10) screws, 2 regular locknuts and one servo.



Place the servo onto the part from the previous lesson, and tighten it up with the screws.



Slide the wire through the side cracks.