

Mini Mersey

1/18 TUG Boat Build instructions



Specifications	
length	232mm
Width	111mm
Height	200mm
Weight	332g
Scale	1 / 18

Requires
RC transmitter with at least 2 channels
Rudder: 9g servos*1
Motor: 180 Brushed motor

TonyRay Aero Model Co.,Ltd

ESC: 30A brushed ESC
Battery: 2s 400-1000mAh LiPo battery

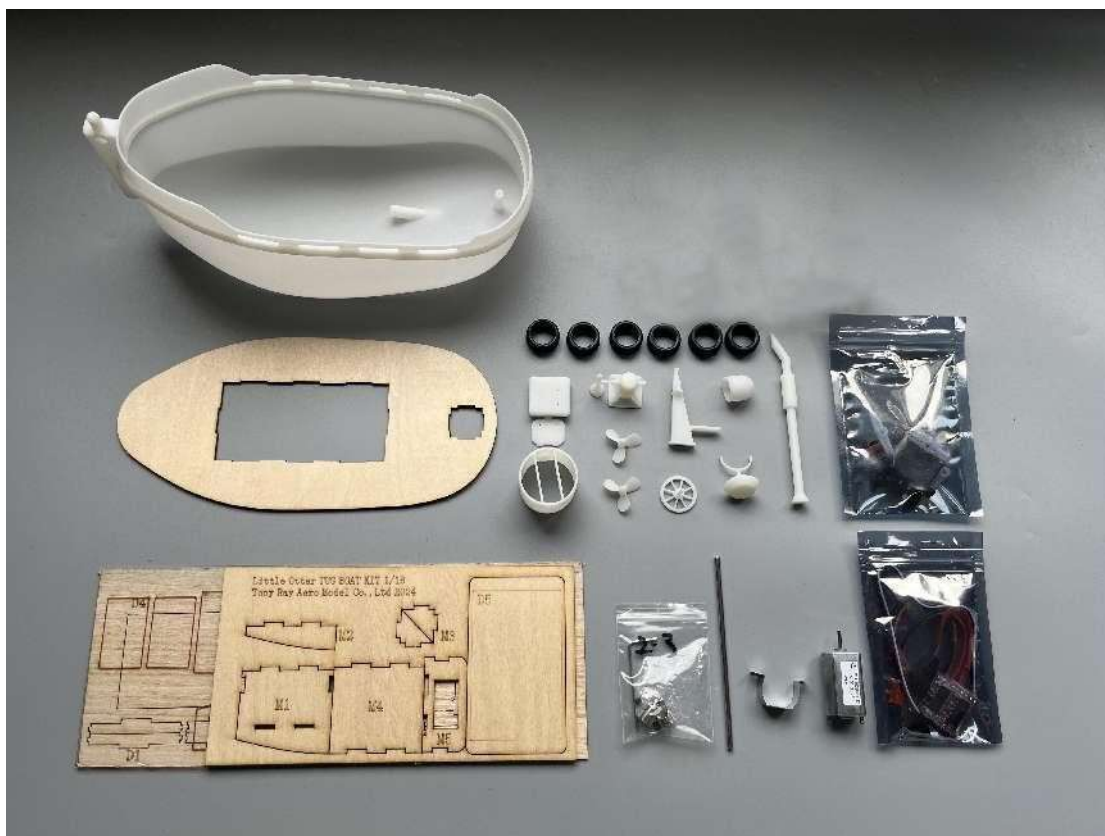
BEFORE YOU BEGIN

Attentions and Tips

1. Read through the manual before you begin, so you will have an overall idea of what to do.
2. Check all parts. If you find any serious defects or missing parts, please contact your local dealer.
3. Please build your kit in strict accordance with the sequence of the user manual.
4. Pre-Sanding: Before removing any parts from the laser-cut plywood sheet, use a sanding block loaded with 250 – 400 grit sandpaper and lightly sand the back side of the sheet. Which can significantly reduce burn marks of the wood and make the parts match better
5. Before building the model part on drawings, It is recommended to cover a layer of kitchen cling film (polyethylene film) on the drawing. This way can prevent parts from sticking to the drawing and causing damage.
6. Parts Assembly: This product's tabs and notches interlock like a 3D puzzle. We strongly suggest that when fitting parts, you “dry fit” (use no glue) the parts together first. It is advised to work 1 – 2 steps ahead in the instructions, using this dry-fit technique. This allows the opportunity to inspect the fit and location of assembled components, and shows the benefits of our construction technique. As each successive part is added, it contributes to pulling the entire assembly square. Once you arrive at the end of a major assembly sequence, square your work on a flat work surface, and bond the dry-fit joints with glue. Using the dry-fit process, you'll be able to recover from a minor build mistake, and will ultimately end up with a square and true assembly.
7. This is a precision laser-cut kit. Our lasers cut to within 0.2mm in accuracy. Yet the wood stock supplied to us by the mill may vary in thickness by up to 0.2-0.3mm. This variance in the wood stock can cause some tabs and notches to fit very tightly. With this in mind, consider lightly sanding or lightly pinching a tight-fitting tab, rather than forcing the parts together. You may break some parts in assembly, but please don't worry, after the final covering work, it will not affect the strength and appearance of your model. You will end up with a true hull.

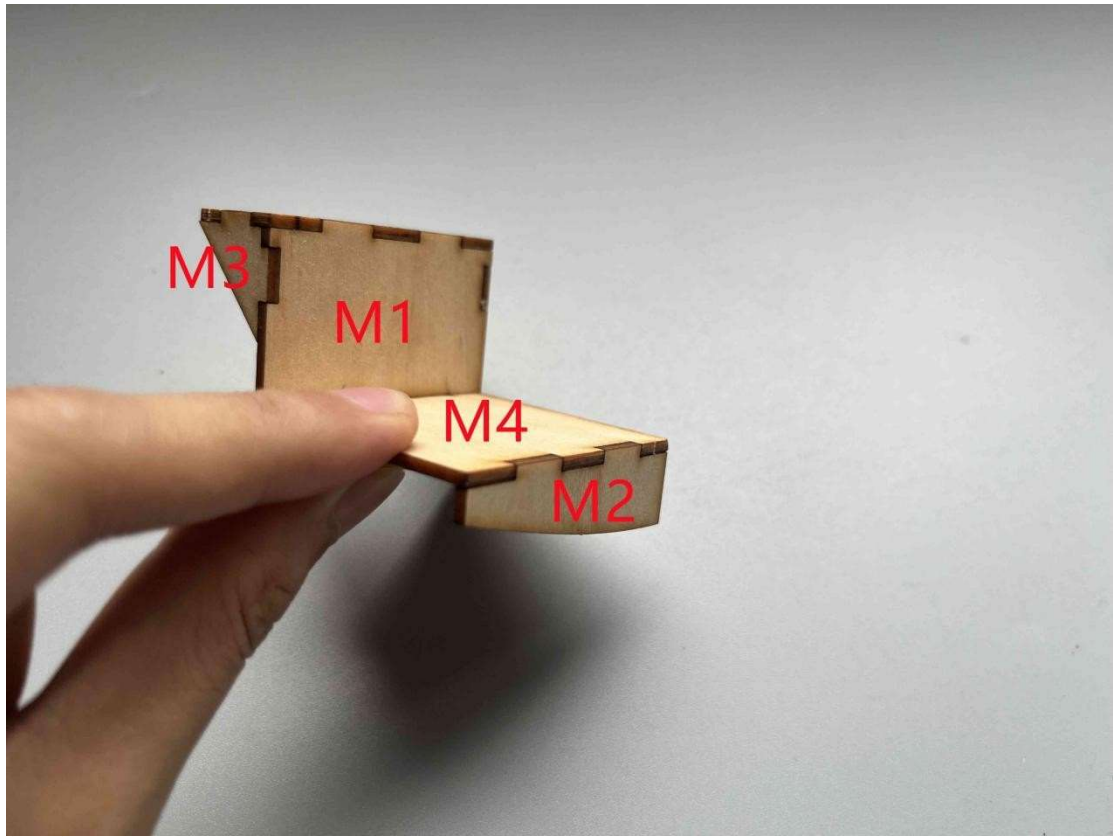


KIT INVENTORY

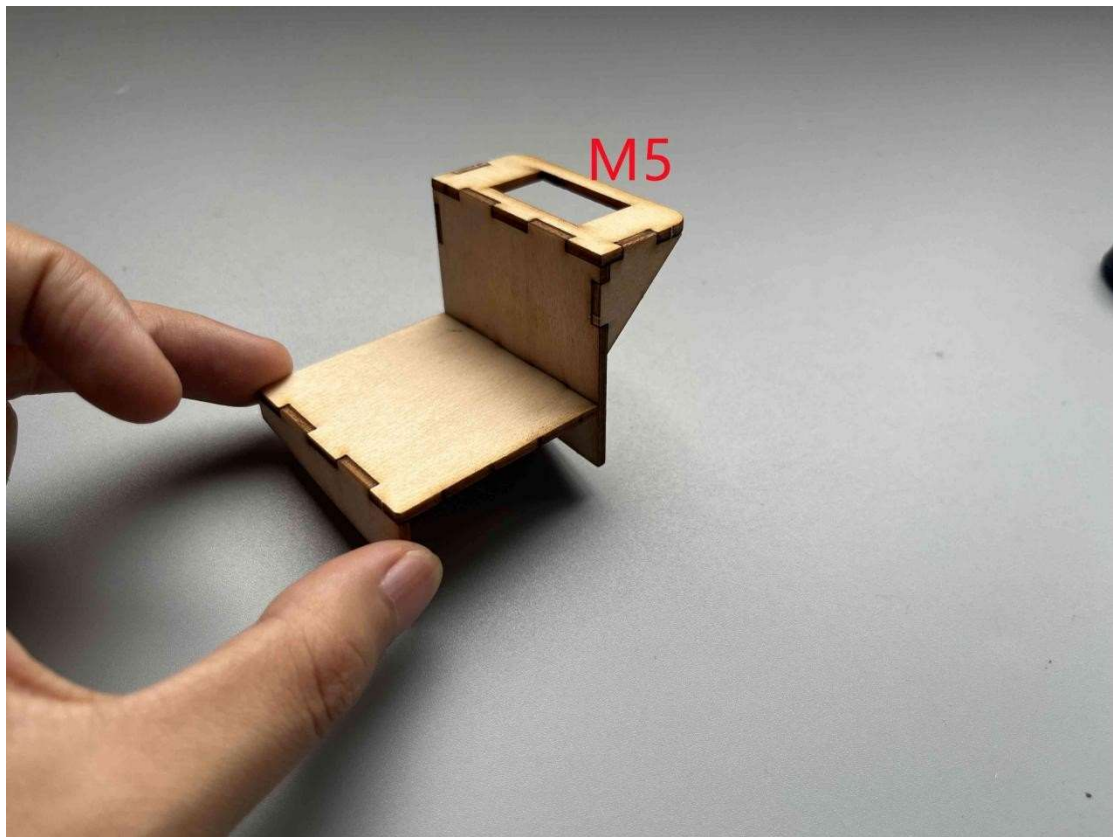


Hardware	
M2 Steel push rod (Thread at both ends Length:35mm)	1
Steel rod adapter	1
M2 Screw nut(black version)	1
M2 Screw nut	1
2 to 3 mm connection module	1
Steel Shaft (Diameter: 3mm length: 100mm)	1
Steel push rod (Diameter 1.2mm)	1
Rubber wheels	6
180 brushed motor	1
Motor holder	1
30A ESC	1
9g servo	1
Laser cut PVC sheet	1
Copper hinge	4

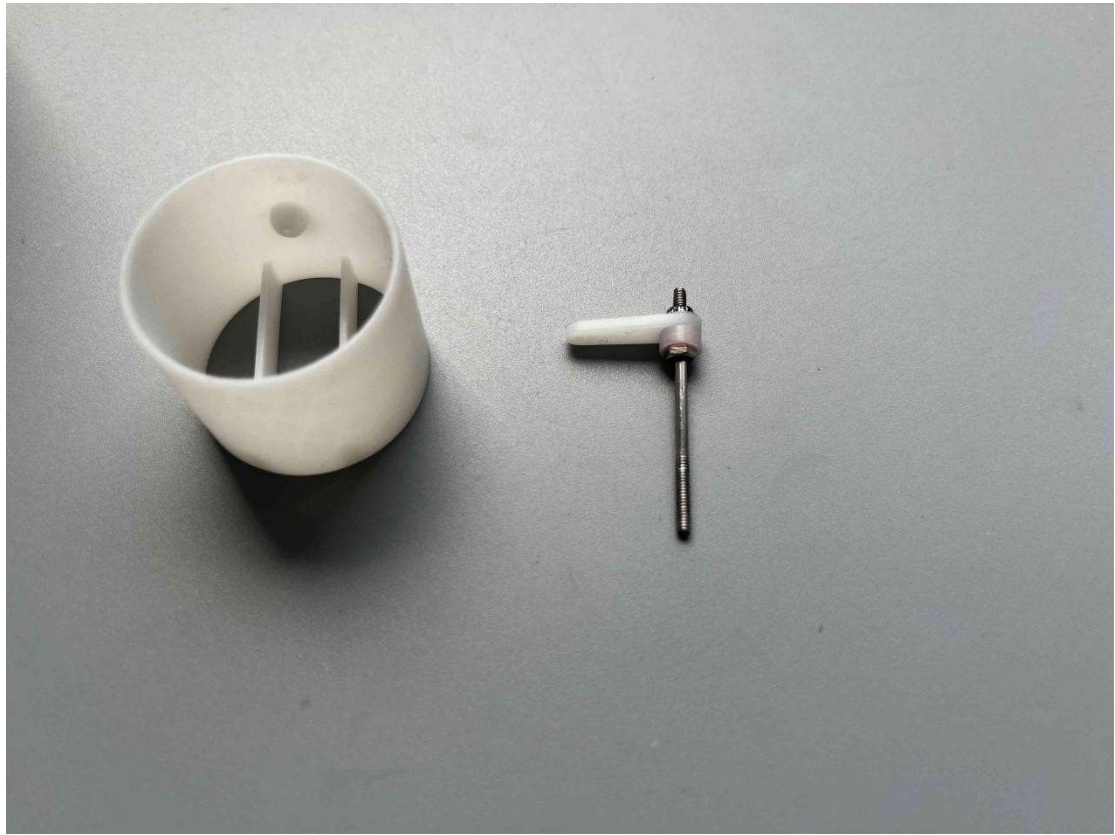
Step1



Step2



Step5



Step6



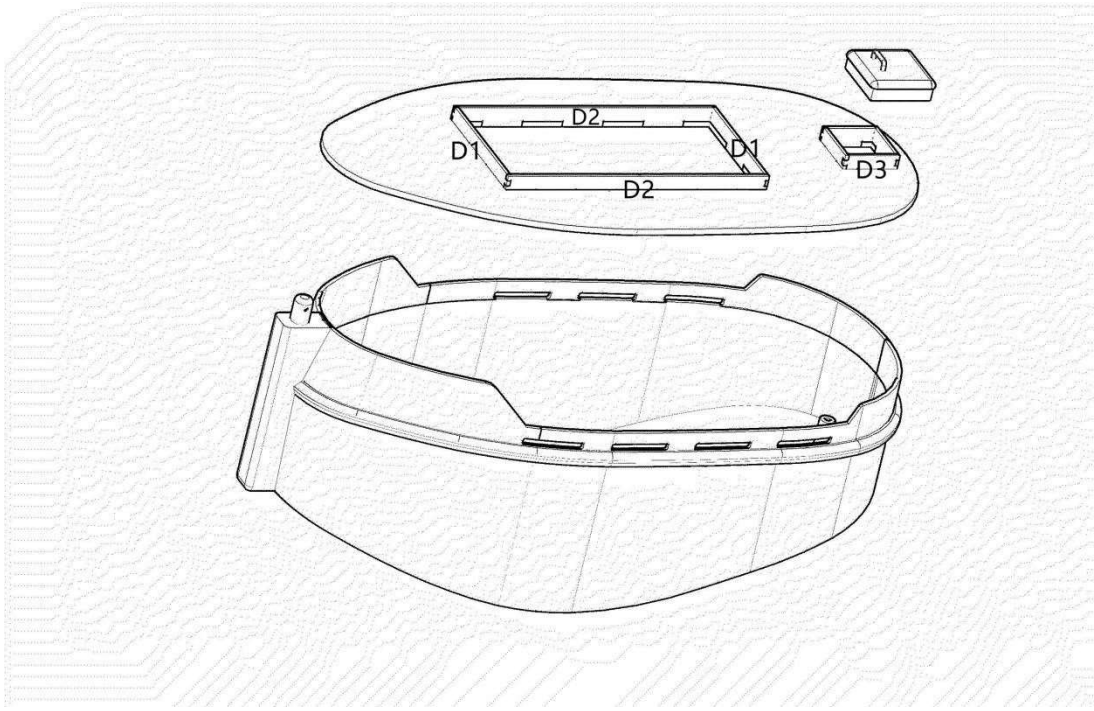
Step7



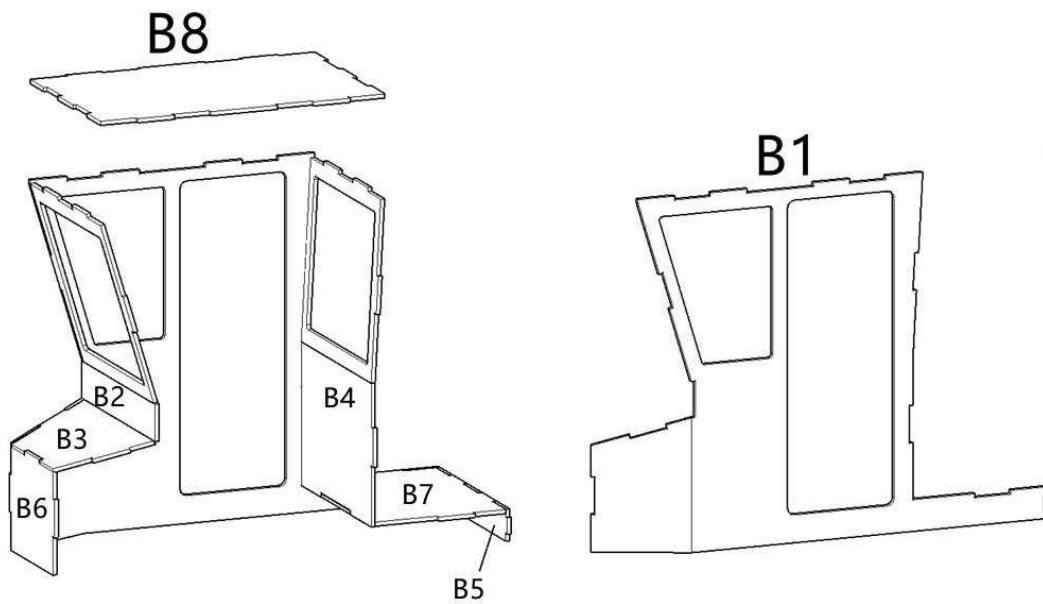
Step8



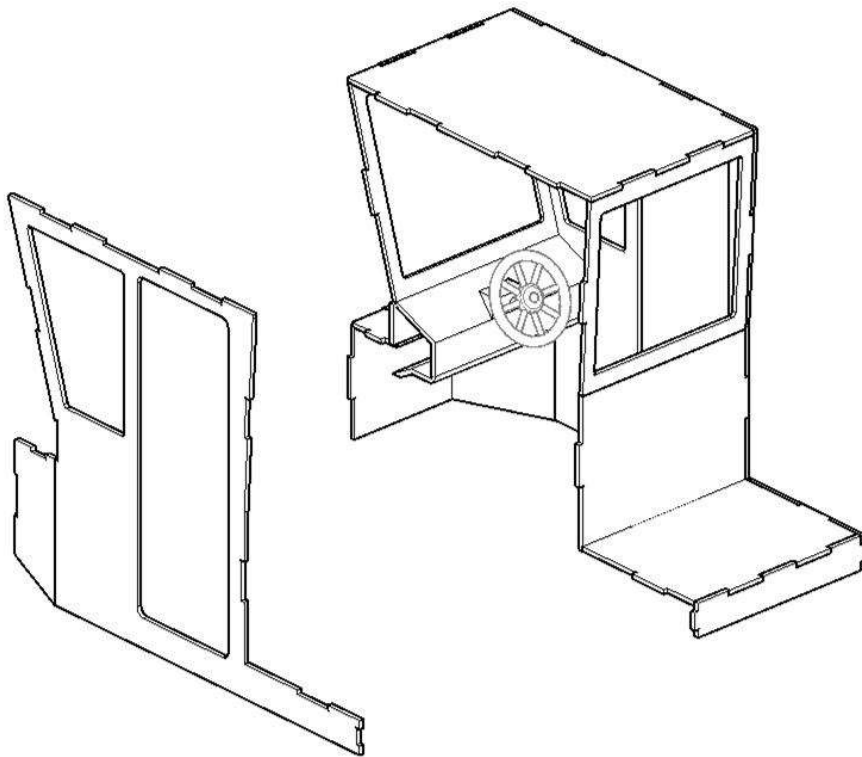
Step9



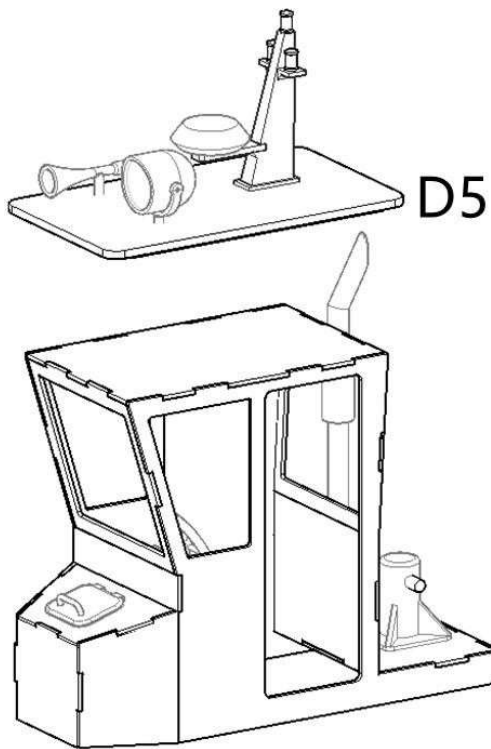
Step10

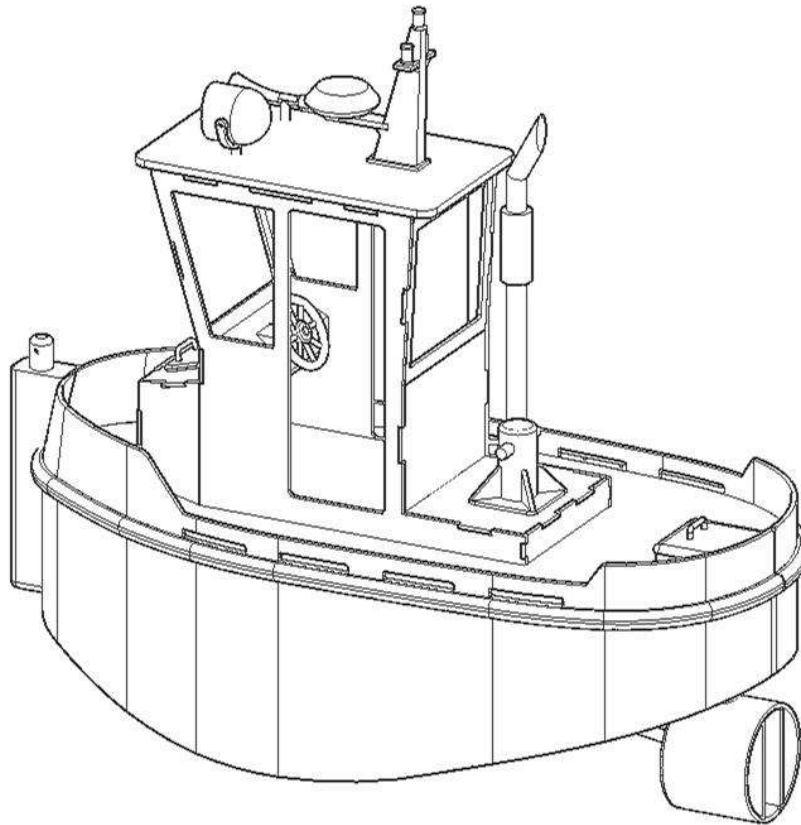


Step11



Step12





Before sailing,

depending on the weight of your batteries, you may need to add additional ballast to your cabin.

Thank you!



Tony Ray's AeroModel