

Roto Boat 2025 Kit

Instructions

In order to help those who in the past have expressed interest in building a boat but did not know where to start, we have created a new category of boat called the Roto Boat 2024 Kit.

The kit includes

- The cardboard and layout of all the pieces
- A list of additional tools and supplies
- Assembly Instructions

General Notes

1. The black lines on the layout are cut lines.
2. The **red lines are fold lines** (Note: fold up or down using a straight edge.)
3. Use 1" sheetrock screws to hold the dry fit together
4. You may need to trim to fit as necessary
5. Screws are used to hold the boat together while the glue is drying. They must be removed from final assembly.

List of additional tools and supplies

- A sharp cutting tool and multiple blades
- Tape measure
- A long straight edge
- Paint roller and pads 6"
- 1" through away brushes
- Phillips screw driver or screw gun
- Screen roller (to score the cardboard for folding. Try not to cut through the paper.)
- Caulking gun
- Paintable sealant
- 1" sheetrock screws
- Contact cement 2 qts
- Oil base paint
- Latex paint
- Lacquer thinner

Assembly

- Locate Part #1 (Hull) Cut on black lines.
- Score on **red line and fold.** (Figure 01)
 - Fold by placing a straight edge along the **red line** and bending up or down.
 - Fold and hold the Stern as shown, secure with sheetrock screws. (Figure 02)
 - Fold and hold the Bow as shown, secure with sheetrock screws. (Figure 03)
- Locate Part #2 (Bow Inner Panel). Cut if necessary and trim to fit and lay in place. (Figure 04)
- Locate Part #3 (Stern Inner Panel). Trim to fit as necessary and lay in place. (Figure 04)
- Locate Part #4 (Left or Port Side Cap) fold on **red lines** as shown and screw in place. Trim as necessary. (Figures 05 & 06)
- Locate Part #5 (Right or Starboard Side Cap). Cut on black lines and fold on **red lines** as shown and screw in place. (Figures 07 & 08)
- Locate Part #6 (Stern or Back Cap). Cut on black lines and fold on **red lines** and screw in place. (Figures 09 & 10 & 11)
- Locate Part #7 (Bow Cap). Cut on black lines and fold on **red lines** as shown and screw in place. (Figures 13 & 14)

Congratulations, you have dry-fitted your Roto Boat 2025 (Figures 15 & 16 & 17)

It is now time to glue your parts in place with contact cement.

- Disassemble. Reassemble using glue and screws following the instructions below, referring to figures used during dry fit.
- Apply the glue in a well-ventilated area.
- Be sure to coat both sides of the cardboard and let it dry to the touch.

Part #1 Hull Stern: Remove the screws and coat both sides of the tabs with glue.

Remember do not let the glued pieces touch until you are ready to assemble them.

- When dry to the touch, align carefully and press together. Use screws to hold in place while drying.
- Repeat on the other side.

Part #1 Hull Bow: Remove the screws and coat folded tabs and side panels with glue.

- When dry to the touch, align carefully and press together. Use screws to hold in place while drying.

Part #2 Bow Inner Panel and #3 Stern inner panel.

- Coat both #2 & #3 panels as well as the Part #1 Hull with glue.
- When both sides are dry to the touch, carefully install #3 Stern inner panel and then #2 Bow inner panel.

Part #4: Remove the screws and coat the bottom of the Port Side Cap and the Hull inner panel. Also coat the top cap and the side of the top cap.

- When dry, properly align the Port (left) Side Cap and press in place then secure the top cap to the side of the hull. Secure with screws until dry.
- Repeat procedure above to Part #5 Starboard (right) Side Cap.

Part #6 Stern (back): Remove screws and apply glue to all touching surfaces.

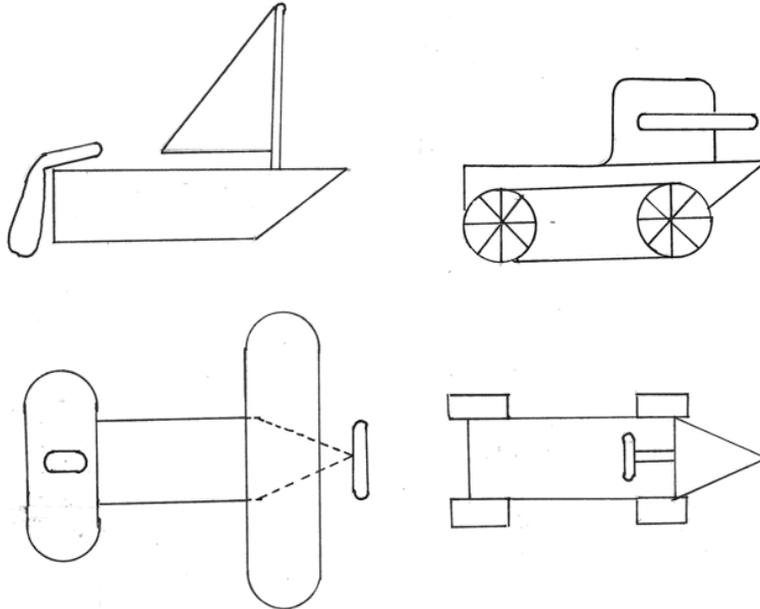
- When dry carefully align and press into place. Use screws to hold in place until dry.

Part #7 Bow Cap (Front): Remove screws and apply glue to both the Bow Cap tabs and the mating side of the hull

- When dry carefully align and press into place. Use screws to hold in place until dry.

Congratulations you have now completed the basic framework of your Roto Boat 2025.

It is time to add bling to your boat. Examples:



Time to waterproof your Roto Boat

- Seal all exposed cardboard edges and internal seams with paintable construction adhesive. **Note** you may want to seal the internal seams before closing it off.
- First coat your boat with an oil base paint to seal the cardboard.
- Then you can use latex paint

Have Fun and be Creative

Appendix: Figures (below)

Figure 01



Figure 02

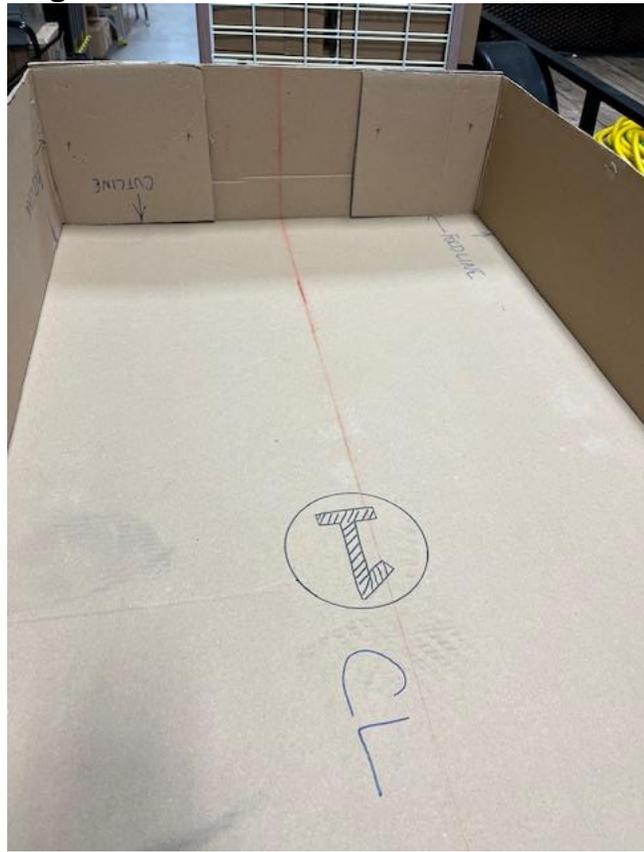


Figure 03

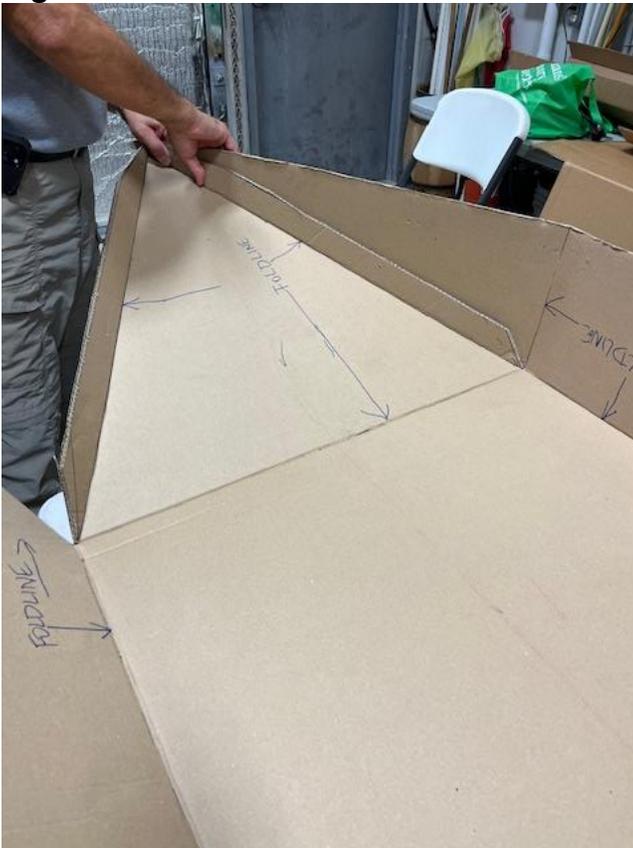


Figure 04



Figure 05



Figure 06



Figure 07



Figure 08



Figure 09



Figure 10



Figure 11



Figure 12



Figure 13



Figure 14



Figure 15



Figure 16



Figure 17

