

EXPANDED COMPONENT PACKAGE

Assembly Guidelines

Thank you for purchasing the Expanded Component Package. This system is designed for use in small, calm water environments and is best suited for lightweight, custom-built configurations.

The following guidance outlines one common approach to constructing a deck platform and integrating the included components into your build. Final design, materials, and layout will vary based on your specific project and intended use.

What You'll Need:

- Circular Saw
- Cordless Drill
- 1/4" Drill Bit
- 3/8" Drill Bit
- Measuring Tape
- Chalk Line or Marker
- 7/16" Wrench and Socket
- 9/16" Wrench and Socket
- Utility Knife
- Ear & Eye Protection
- A friend to help hold/lift pieces

Recommended Materials:

- (7) 8' Pressure Treated or Marine Grade 2" x 4"s
- (1) 4' x 8' x 1/2" sheet of pressure treated or marine-grade plywood
- (72) 2-1/2" Spax Exterior Wood Screws

Frame & Deck Assembly (Example Configuration)

Step 1: Cut the 2"x4" boards and plywood to the following dimensions for this example configuration:

2"x4" Boards:

- (2) @ 90"
- (7) @ 43"
- (2) @ 46"

Plywood:

- (1) @ 93" x 46"

Step 2: Arrange the 90" and 46" boards to form a rectangular perimeter frame. In this configuration, the 46" boards are positioned at the ends of the 90" boards, resulting in an overall length of approximately 93". your overall length 93".



What's Included:

- (4) Pontoons
- (6) Piece Railing Kit
- (1) Trowel
- (1) Tub of Carpet Glue
- (1) Roll of Pre-Cut Carpet
- (1) Transom & Spacer

Pontoons-to-Deck Hardware:

- (8) 3/8" x 4" Galv. Bolts
- (8) 3/8" Flat Washers
- (8) 3/8" Lock Washers
- (8) 3/8" Nuts

Transom Hardware:

- (2) 3/8" x 4-1/2" Galv. Bolts
- (4) 3/8" Flat Washers
- (2) 3/8" Lock Washers
- (2) 3/8" Nuts

Rail-to-Rail Hardware:

- (6) 1/4" x 2-1/2" Hex-Head Bolts
- (6) 1/4" Locking Nuts

Rail-to-Deck Hardware:

- (12) 3/8" x 2-1/2" Hex-Head Bolts
- (12) 1/2" Flat Washers
- (12) 3/8" Lock Washers
- (12) 3/8" Nuts

If you have any questions, please don't hesitate to contact us by phone at: (940)668-2573

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Assembly Guidelines Continued

Step 3: Secure the perimeter at each corner using appropriate fasteners (such as wood screws). Predrilling is recommended to help prevent splitting. See Figure 1 for a reference example.

Step 4: Mark the inside of the frame for placement of cross members. The following measurements represent one commonly used spacing layout (measured from each end of the frame):. Refer to Figure 2 for an example.

10.5" | 22.5" | 34.5" | 46.5"

Step 5: Position the (7) cross members (43") inside the frame, aligning them with your marks. Check the diagonals of the frame to ensure it is square, and adjust as needed.

Step 6: Ensure all boards are straight and flush with the top of the perimeter. Predrill holes or use self-tapping screws, and secure each cross member with fasteners at both ends.

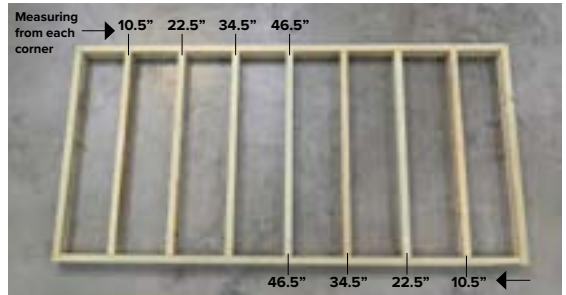
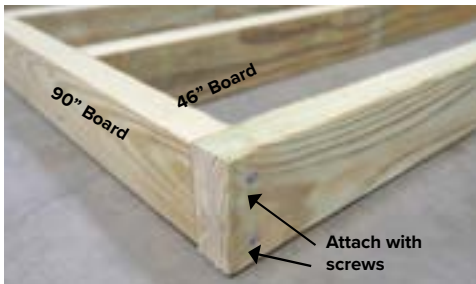


FIGURE 2: What your finished frame should look like

FIGURE 1:
Perimeter
Corner



Step 7: Place the cut sheet of plywood on top of the frame, aligning all edges so they are flush. Temporarily secure the plywood at the corners to hold it in place.

Step 8: To fully secure the deck surface, mark the plywood to indicate the location of the underlying frame members. This can be done using a marker or chalk line.

For this example layout, use the same spacing as the cross members along the longer sides:

10.5" | 22.5" | 34.5" | 46.5"

Along the shorter sides, typical reference points may include: **11.5" | 23"**

Step 9: Use a straight edge or chalk line to create guide lines across the plywood surface to indicate fastening locations (see Figure 3).

Step 10: Secure the plywood to the frame by installing fasteners at the intersections of your marked lines, ensuring even attachment across the surface (see Figure 4).



FIGURE 3: Making chalk lines



FIGURE 4: Attaching the plywood

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Important Notice

This guide is provided for general reference only. This product is sold as individual components, not as a completed vessel. Final design, assembly, and configuration are determined by the builder. Compliance with all applicable laws, regulations, and safe operating practices is the responsibility of the end user.

Step 11 : Using the provided trowel, apply a thin, even layer of adhesive to the plywood deck surface (see Figure 5).

Step 12 : Position the carpet at one end of the deck, centering it so there is slight overhang on each side. Gradually roll the carpet across the surface until the deck is fully covered (see Figure 6).

Step 13 : Using a pipe or similar cylindrical object, apply firm, even pressure across the carpet to remove air pockets and ensure proper adhesion (see Figure 7).

Step 14 : Trim excess carpet along the edges using a utility knife so it is flush with the deck perimeter (see Figure 8).



FIGURE 5: *Applying the glue*



FIGURE 6: *Laying the carpet*



FIGURE 7: *Rolling out the carpet*

Step 15 : Position the railing sections on the frame according to your desired layout. The components are designed to align in a specific orientation (see Figure 9 for a reference example).

Step 16 : Secure the railing sections together using the included 1/4" x 2-1/2" hex-head bolts and lock nuts. Tighten using a 7/16" socket and wrench (see Figure 10).

Step 17 : Attach the assembled railing to the deck frame. Using a 1/4" drill bit, drill through the pre-punched holes in the railing and into the frame. Secure using the provided hardware (bolts, washers, and nuts), tightening appropriately.



FIGURE 8: *Trimming the carpet*



FIGURE 9: *Arranging the railing*



FIGURE 10: *Bolting the railing*

Step 18 : Position the pontoon floats beneath the frame in your chosen layout. A common configuration places the floats near the corners of the platform for balanced support.

Set the deck/frame assembly onto the pontoons, aligning the frame within the mounting brackets and spacers (see Figure 11 for an example).

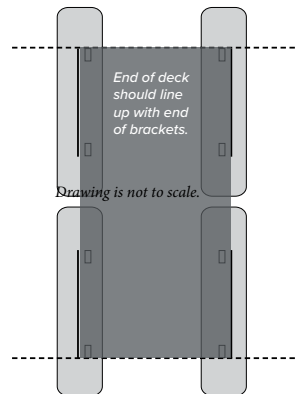
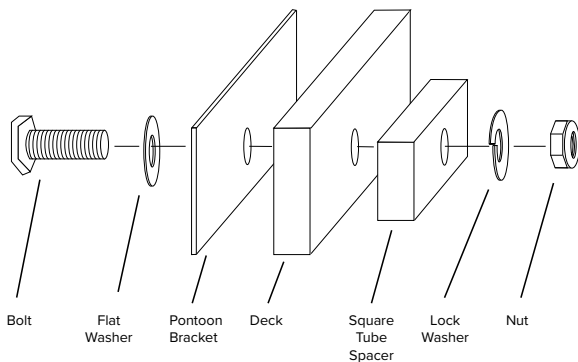


FIGURE 11:
Attaching the pontoons

Step 19: Attach the pontoons to the frame using the provided hardware (bolts, washers, and nuts), tightening securely with appropriate tools (such as a 9/16" wrench and socket).



Step 20: Position the transom/motor mount at one end of the frame in your desired location. A common approach is to center it along the width of the frame, with the bottom aligned flush with the lower edge of the frame.

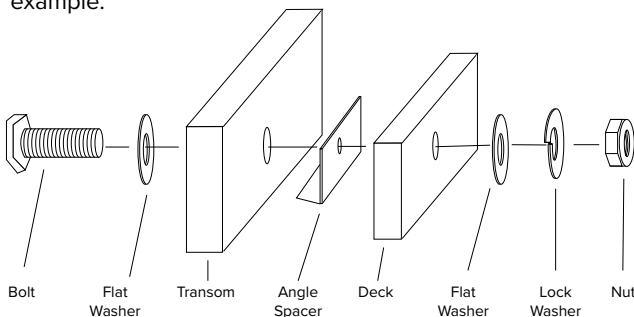
Step 21: Using a 3/8" drill bit, drill through the pre-drilled holes in the motor mount and into the frame material.

Step 22: Attach the motor mount to the frame using the included hardware: 3/8" x 4.5" hex-head bolts, 3/8" flat washers, 3/8" lock washers, 3/8" nuts

A spacer is included to help ensure proper alignment and a secure fit. Tighten all hardware using appropriate tools (such as a 9/16" socket and wrench). See Figure 12 for a reference example.



FIGURE 12: *Mounting the transom*



Note

Motor mount placement, reinforcement, and compatibility should be evaluated based on your specific configuration. The builder is responsible for ensuring proper installation and safe operation.

