

Pluto Vinyl Playset



Assembly Manual

Pluto Vinyl Playset Assembly Manual

Thank you for your purchase of this playset.

This manual is designed to simplify the assembly process, however we recommend having an experienced carpenter involved in the project. Please read through the entire manual before starting!

Take a deep breath and get at it; the satisfaction and enjoyment of this hideout is only a few minutes away. Have fun!

You have purchased a product that consists of bulky pieces. With your purchase, you assume full responsibility to have the necessary manpower available to assemble the product. You also agree that any damage that happens to the product during the entire construction process is your responsibility, and neither the seller, nor the manufacturer, will be held liable for any such damage.

Tools Required for Job



One 4' Step
Ladder



25' Tape
Measure



9/16th Wrench



9/16" deep socket



Cordless Drill
& 1/2" drill bit
& 5/16" drill bit



#2 Square
Drive Tip
(included)



T30 Star
Drive Tip
(included)

Parts List



Your package will look like this or similar.



Pluto Vinyl Playset Assembly Manual

Step 1:



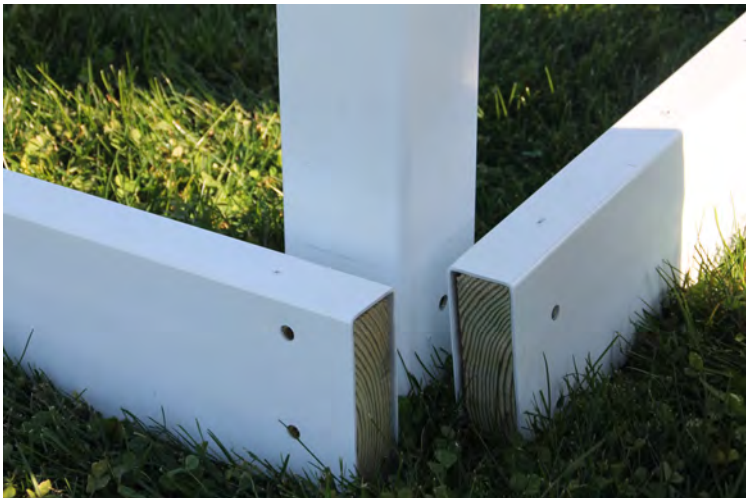
Unpack and identify parts.

Step 2:



Begin assembly by placing four 2x6x56" in a square. Place four corner braces at each corner. Holes on 2x6's and corner brackets are offset. A good pattern to use is left-low, right-high. This pattern should be used in the entire framing process.

Step 3:



Place tower 4x4 in corner. Align pre-drilled holes on 4x4 with pre-drilled holes on 2x6.

Step 4:



Using 6 7/8" bolts, begin fastening 2x6's to tower 4x4. Thread acorn nut onto rod as far as you can, then back off several turns. Be sure to place washer between acorn nut and vinyl.

Pluto Vinyl Playset Assembly Manual

Step 5:



Bolts should be flush with outside of 2x6 before putting on the bracket.

Step 6:



You will be able to tap on the acorn nut after the bolt has started coming through the bracket. Doing so prior may damage the threads on the bolt.

Step 7:



Place washer and acorn nut on bolt. Only finger tighten at this point.

Step 8:



Repeat steps 3-7 on the remaining three corners, then measure across the corners to be sure tower is square.

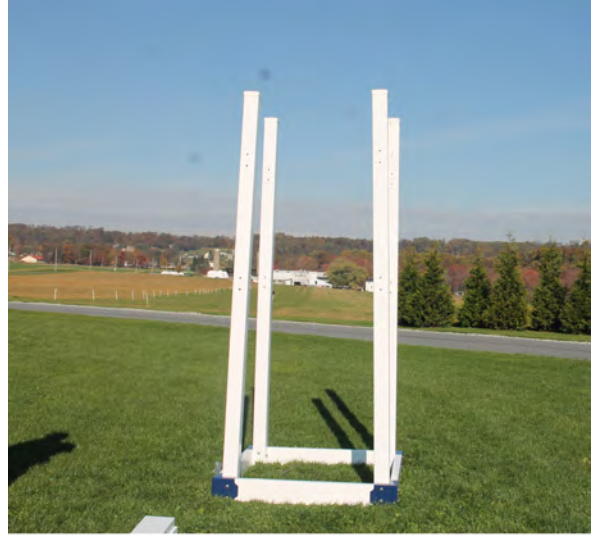
Pluto Vinyl Playset Assembly Manual

Step 9:



Tighten all bolts using 9/16" deep socket and 9/16" open end wrench. Keep in mind that over-tightening can damage the acorn nut.

Step 10:



This is how your set should look at this point.

Step 11:



Repeat steps 4-7 to assemble the "floor ring." Tighten all bolts using 9/16" deep socket and 9/16" open end wrench. Again, keep in mind that over-tightening can damage the acorn nut.

Step 12:



This is how the completed "floor ring" should look.

Pluto Vinyl Playset Assembly Manual

Step 13:



You are now ready to complete the install of the floor. Using the template provided, fasten joist hangers at proper positions. Fasten white metal joist hanger using 1 3/4" stainless steel washer head screw provided. Template will show amount of joist hangers that should be used.

Step 14:



Install joists as shown. Top of joist should be flush with top of 2x6.
Note: there will be three floor joists.

Step 15:



Installed joists.

Step 16:



Lay out floorboards. Two shorter floorboards go between posts. Narrow floorboard goes in the center of the floor.

Pluto Vinyl Playset Assembly Manual

Step 17:



Fasten floorboards using 1 1/2" screws provided.

Step 18:



Repeat steps 4-7 to assemble the "top ring." Tighten all bolts using 9/16" deep socket and 9/16" open end wrench. Again, keep in mind that over-tightening can damage acorn nut.

Step 19:



Complete main structure assembly by fastening "lips" of corner braces to 2x6's using 1 3/4" washer head screws provided. Each bracket will use four screws except the bottom side of the "sandbox ring."

Step 20:



The next step is to fasten the slats to the 2x6 to complete the railing. Top of template slats should be flush with top of 2x6. Fasten slats using 1 3/4" screws provided.

Prior to fastening the slats, understand exactly where you will be attaching the slide, step ladder, cargo net, rock wall, swing frame, or any other components you may have purchased with your playset. The following steps specify how many slats each side should receive.

Pluto Vinyl Playset Assembly Manual

Step 21:



Spacing between slats for step ladder should be 25 3/4".

Step 22:



Be sure top of ladder is flush with top of floor.
Attach using four 1 1/2" screws provided.

Step 23:



Spacing between slats for slide should be 25 3/4".
Same spacing should be used for rockwall.

Step 24:



Fasten slide to floor using three 1 3/4" screws provided.
Be sure screws are going through the decking and into the 2x6 of the floor ring, not just into the decking.

Pluto Vinyl Playset Assembly Manual

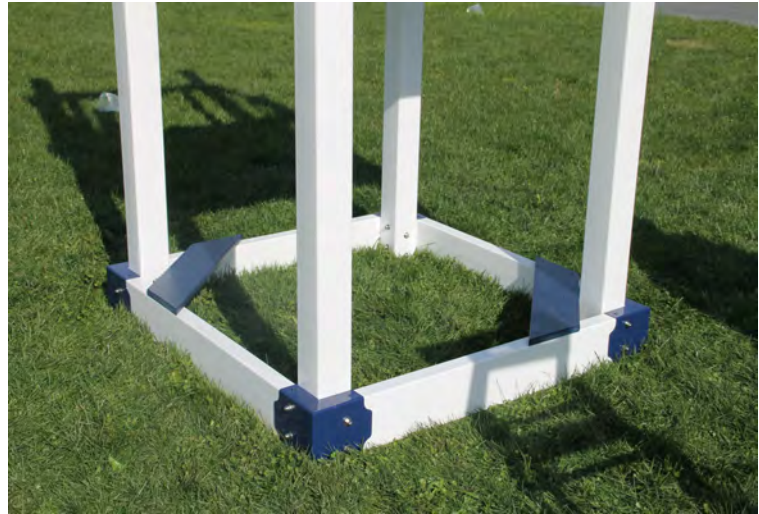
Step 25:



This is how your set should look at this point.

Note: The positions of the slide and step ladder are interchangeable and can be placed anywhere on the tower according to your preference. This is simply done by removing slats wherever needed.

Step 26:



Fasten sandbox seats to "sandbox ring" using 1 1/2" screws provided.

They can be positioned at any corner, according to your preference.

You are now ready to install your swing frame. Follow the instructions on pages 11-15 for that assembly.

If you purchased any components with your set, go to pages 19-23 for instructions for framing and installation. Components can be installed anytime after the tower is assembled.

Swing Frame Assembly

Step 1:



You are now ready to assemble the swing frame. Begin by identifying the swing beam. The end of the beam without caps gets fastened to the tower.

Step 2:



Fasten swing bearings to swing beam using lags provided in bearing packs.

Step 3:



If you purchased a plastic glider, your next step is to install the glider bracket. This bracket needs to be fastened to the opposite side of the swing beam as the swing bearings. It can be placed at any swing position.

Step 4:



Pre-drill four 1/2" holes, then fasten using four lag screws provided.

Swing Frame Assembly

Step 5:



Finish fastening using the 1 3/4" washer head screws provided.

Step 6:



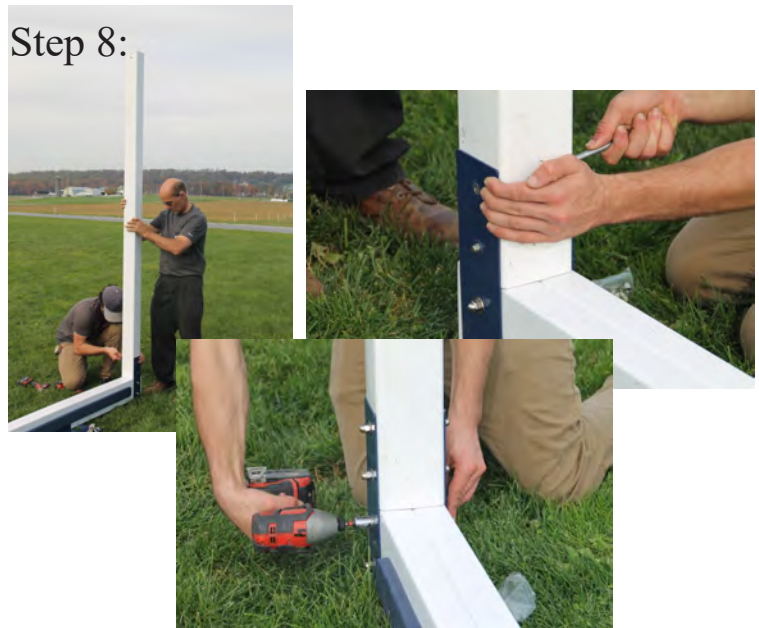
Rotate the swing beam 180 degrees so that the swing bearings are turned up. Fasten the swing beam receiver bracket to the swing beam using two 4 7/8" bolts provided. This bracket needs to be fastened to the end of the swing beam without the caps. Thread acorn nut onto bolt as far as you can, then back off several turns. Use washers between the acorn nut and the metal bracket. Tighten nuts.

Step 7:



With swing beam in same position, attach beam strap to swing beam using two 4 7/8" bolts provided. Only finger tighten at this point. Note that this end of the beam should have caps on it. This bracket is fastened 36" from the end of the 14' beam. Use pre-drilled holes.

Step 8:



Identify end post and place between beam strap. Fasten using two 4 7/8" bolts provided. You are now ready to tighten all four bolts on beam strap. If your setup location is level, the end post will need to be shortened approximately 1' (cut off bottom end).

Swing Frame Assembly

Step 9:



Fasten corner brace to swing beam and end post. Be sure end post is plumb. Attach using six 1 3/4" washer head screws.

Step 10:



Lift swing beam into position. One person should be up in the tower. The other person should continue to hold the end post steady.

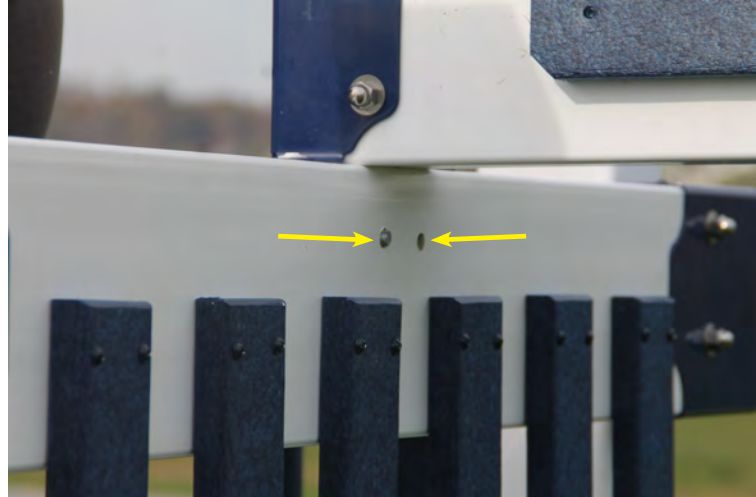
Note: Your beam may not appear exactly as pictured since the one in picture only has three positions.

Step 11:



Push bracket against 2x6 vinyl then fasten first with two lags provided.

Step 12:



Next predrill 7/16" holes and fasten with two 2 3/4" bolts provided, using acorn nuts and washers.

Swing Frame Assembly

Step 13:



Swing beam receiver properly fastened.

Step 14:



Identify ground runner and fasten to end post using 6 1/2" bolts. Thread acorn nut onto rod as far as you can, then back off several turns. Be sure to place washer between acorn nut and vinyl.

Step 15:



Identify end post braces. Fasten the short angle to the ground runner that was installed on previous step. Use 4 /18" bolts provided.

Step 16:



Align brace with end post then fasten long angle to end post using 3/8" x 4" lags provided. This should be pre-drilled using 1/4" drill bit.

Swing Frame Assembly

Step 17:



The completed swing frame should look like this.

The next step is to install your roof. Follow the instructions on pages 16-18 for roof assembly.

Tarp Roof Assembly Instructions

Step 1:



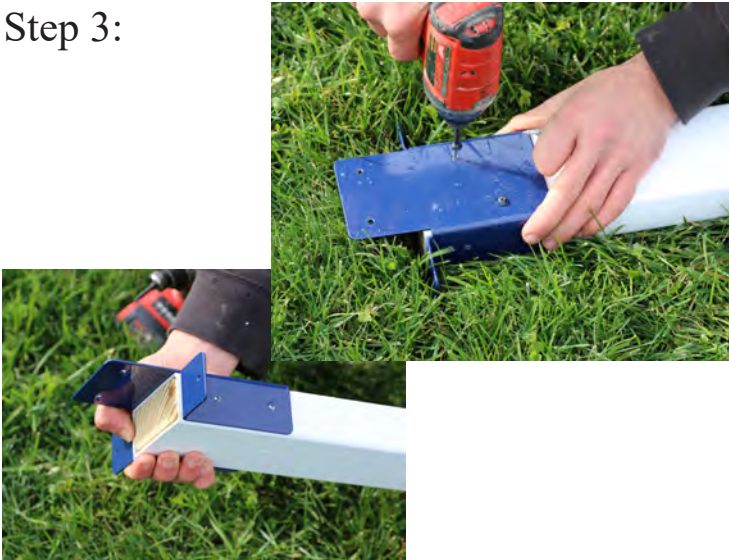
Fasten 2x4x80" to 4x4 posts using 3" lag screws provided. Pre-drilled holes on 2x4x80" should be centered on 4x4. Repeat on opposite side.

Step 2:



Top of 2x4 should be flush with the bottom of the cap on the 4x4.

Step 3:



Fasten 2x4 bracket to end of 2x4x37 as shown, using six 1 3/4" washer head screws provided.

Step 4:



Fasten bracket to tower to act as a vertical support for the tarp roof. Measure to find center.

Tarp Roof Assembly Instructions

Step 5:



Fasten using four 1 3/4" washer head screws provided.

Step 6:



Should appear like this.

Step 7:



Fasten 2x4x61" with caps on both ends to top using two 3" lags provided.

Step 8:



Fasten tarp 2x4, using 3" lags, about 1/2" from the end of the horizontal 2x4 (start right next to the cap). Be sure plastic strip on cover 2x4 is on the top before fastening.

Tarp Roof Assembly Instructions

Step 9:



Step 10:



Fasten opposite end of tarp using 3" lags provided. Be sure tarp is pulled tight.



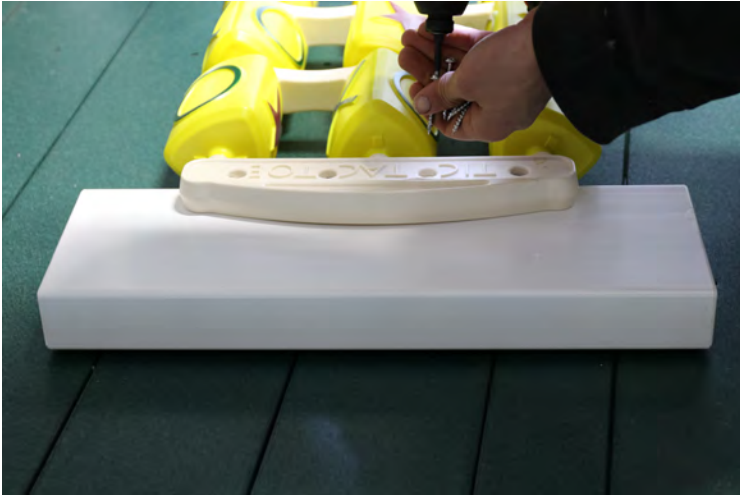
Completed tarp assembly.

The next step is to install any components you may have purchased if you have not done that yet. Assembly instructions for components can be found on pages 19-23.

Component Assembly Instructions

Tic-tac-toe panel:

Step 1:



With your tic-tac-toe panel, you will receive a 2x6x18 1/2". Fasten one end of the tic-tac-toe to 2x6, centered, using four 1 3/4" washer head screws.

Step 2:



Fasten opposite end to tower at any desired location, using four 1 3/4" washer head screws.

Step 3:



Fasten 2x6x18 1/2" to poly slats on railing using four 1 3/4" washer head screws.

Step 4:

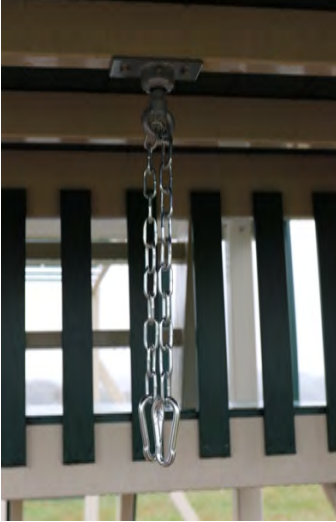


Completed install should look similar to this.

Component Assembly Instructions

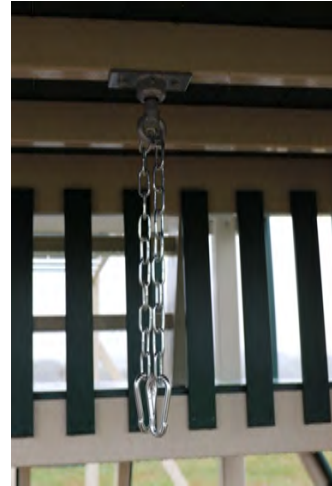
Hammock Swing:

Uygr "1:



Begin by identifying these parts: swivel, extra chain, two snap hooks, and hammock.

Uygr "2:



Attach snap hooks to either end of extra chain and then connect one end of the extra chain to the swing swivel and one end to the hammock.

Uygr "3:



Completed install should look similar to this.

Component Assembly Instructions

Framing for peek-a-boo panel, tornado tube, tunnel express, and sidewinder slides:

Step 1:



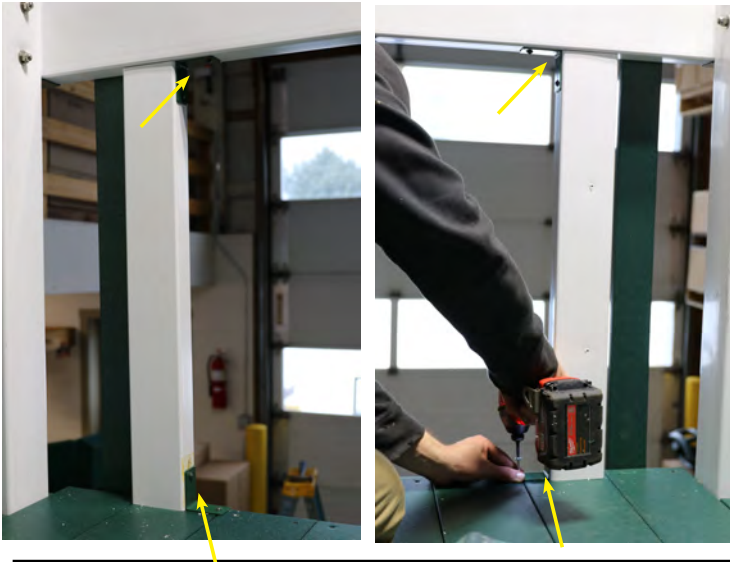
Fasten small angle brackets to 2x4x26" using 1 3/4" washer head screws.

Step 2:



There should be two like this one pictured when you have completed this step.

Step 3:



Fasten with 1 3/4" screws at desired location according to the components you purchased with your set. Fasten one on opposite side as well to create a frame. Spacing between 2x4's should be 29 1/2".

Step 4:



Fasten flange to frame using 1 3/4" washer screws for peek-a-boo panel.

Component Assembly Instructions

Tornado tube, Tunnel Express, and Sidewinder slide Assembly:

Step 1:



To fasten the slide to the tower, first fasten L brackets to outside of two 2x4x26" using 1 3/4" screws provided.

Step 2:



Then place 2x4's at desired location on tower and fasten using 1 3/4" screws. Space between vertical 2x4's should be 29 1/2".

Step 3:



Assemble slide and fasten slide to tower using hardware and instructions provided with slide.

Component Assembly Instructions

Super Spiral Slide Assembly:

Step 1:



After assembling slide according to instructions given in the box the slide came in, lift slide into place where you have already framed for the slide to be. This will take two able-bodied men.

Step 2:



One person hold slide steady while other person goes up into the tower to fasten slide.

Step 3:



Fasten the slide to the upper deck using the lags provided in the hardware pack that comes with the slide.

Step 4:



Fasten top of slide to top 2x6 of upper deck as well.