

# Titan Vinyl Playset



# Assembly Manual

# Titan 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. We recommend at least two able-bodied men for this assembly. 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



Cordless Drill  
& 1/2" drill bit

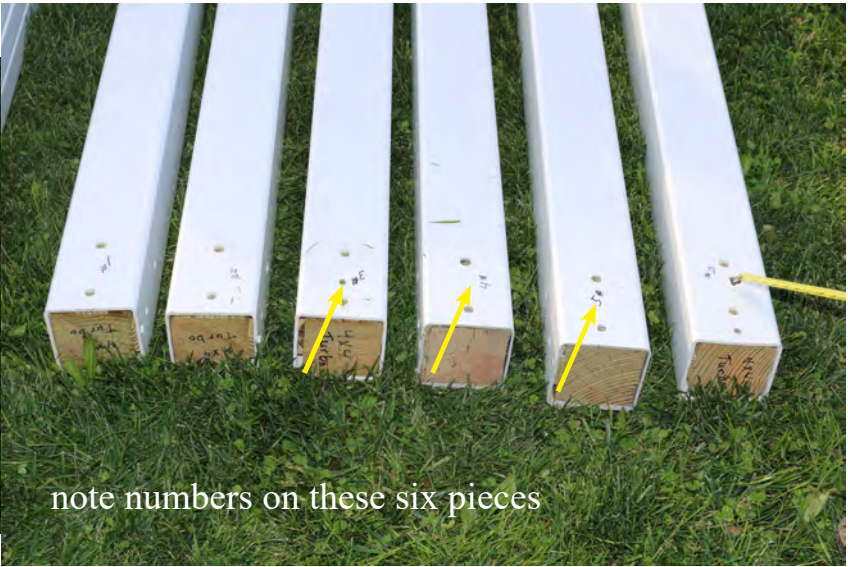


#2 Square  
Drive Tip  
(included)



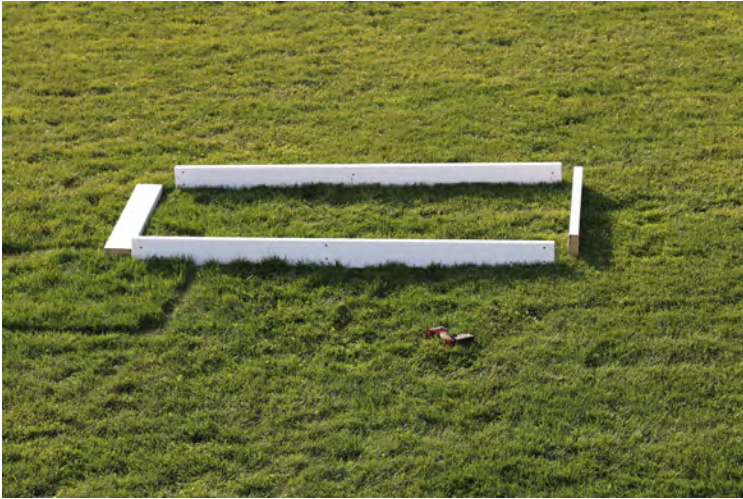
T30 Star  
Drive Tip  
(included)

# Parts List



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Ugr "3:



Begin by positioning two 2x6x14's and two 2x6x56's on a flat surface.

Ugr "2:



Place 4x4x128" labeled "1" in corner. Note pre-drilled hole pattern.

Ugr "3:



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

Ugr "4:



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

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Uygr "5:



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

Uygr "6:



Place 4x4x128" labeled "2" in position as shown. Very important to note drilling patterns on 4x4's.

Uygr "7:



Fasten using 6 7/8 bolts. Finger tighten acorn nuts at this point.

Uygr "8:



Place 4x4x108" labeled "3" in this position. Notice the pre-drilled hole patterns, especially at the 5' and 7' height.

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Uygr "9:



Align pre-drilled holes on 4x4 with pre-drilled holes on 2x6. 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 flat washer between acorn nut and vinyl. Bolts should be flush with outside of 2x6 before putting on the bracket.

Uygr "10:



Repeat previous step in this corner, using 4x4x108" labeled "4."

Uygr "11:



Place 4x4x128" labeled "5" in position as shown. Very important to note drilling patterns on 4x4's.

Uygr "12:



Fasten using 6 7/8" bolts. Finger tighten acorn nuts at this point.

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Ugr "13:



Place 4x4x128" labeled "6" in corner. Align pre-drilled holes on 4x4 with pre-drilled holes on 2x6. 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 flat washer between acorn nut and vinyl. Bolts should be flush with outside of 2x6 before putting on the bracket.

Ugr "14:



Lay out four 2x6x56" as shown. Also notice the pre-drilled hole pattern on this 2x6. You can also place the 6 7/8" bolts with an acorn nut and washer on one side, in the pre-drilled holes, as shown. This will be the placement of the framing for 7' and 5' decks. Lower deck framing consists of two 2x6x62 (with joist hangers attached) and two 2x6x56's. .

Ugr "15:



Notice two outside 2x6's with joist hangers attached.

Ugr "16:



Begin fastening 2x6x56." (This should have joist hangers attached on inside). Fasten with acorn nuts and washer at this end only for now.

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Uygr "17:



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

Uygr "18:



Continue fastening 2x6x56."  
Only finger tighten acorn nuts at this point.

Uygr "19:



After four 2x6x56's are in their proper place, your set should appear like this.

Uygr "20:



Tighten all the acorn nuts on the framing for the 7' deck. Use a 9/16" deep socket and a 9/16" open end wrench. Keep in mind that over-tightening can damage the acorn nut.



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Ugr '21:



Identify two 2x6x62" with joist hangers attached.

Ugr '22:



Install one 2x6 with joist hanger, then install 2x6x56" with no joist hanger.

Ugr '23:



Install second 2x6 with joist hanger.

Ugr '24:



Then install second 2x6x56" with no joist hanger.

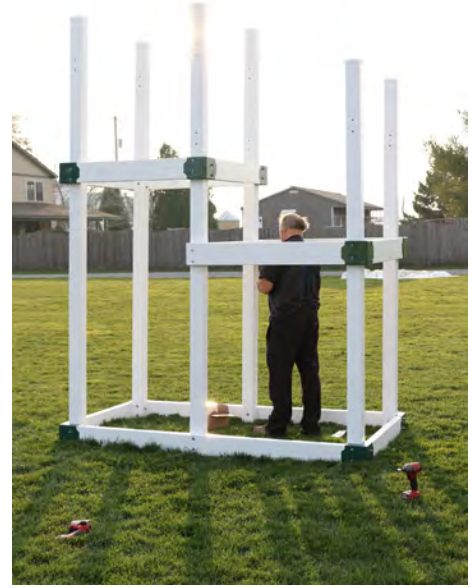
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Uvgr '25:



These two corners do not get corner brackets.

Uvgr '26:



Set should look like this at this point. All acorn nuts should be tightened at this point, using a 9/16" deep socket and a 9/16" open end wrench. Keep in mind that over-tightening can damage the acorn nut.

Uvgr '27:



You will receive two sandbox seats with your playset. The can be installed at any corner using 1 1/2" screws provided.

Uvgr '28:



Install floor joists as pictured. Two on upper deck and two on lower deck.

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Uvgr "29:



Fasten using 1 3/4" washer head screws provided. Two screws on each joist hanger.

Uvgr "30:



Fasten 60" floorboards to lower deck framing using 1 1/2" screws provided. Align ends so they are flush with outside edge of 2x6. Use 54" pieces between posts. One narrow piece goes in center of floor.

Uvgr "31:



Repeat step 30 on upper deck, using 47 3/4" between posts.

Uvgr "32:



Identify four 2x6x56" and begin fastening as shown. Align pre-drilled holes on 4x4 with pre-drilled holes on 2x6. Using 6 7/8" bolts, begin fastening 2x6's to tower on 4x4. Thread acorn nut onto rod as far as you can, then back off several turns. Be sure to place flat washer between acorn nut and vinyl. Bolts should be flush with outside of 2x6 before putting on the bracket.

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Uvgr "33:



Complete top ring assembly using four corner brackets. Tighten all the nuts on top ring.

Uvgr "34:



Identify two 2x6x62" and one 2x6x56" and fasten on lower deck. This frame will receive two corner brackets. Tighten all nuts on lower ring.

Uvgr "35:

Before continuing, refer to print to know where all the components will be fastened to main tower. Then, using patterns provided, fasten poly slats at the proper positions using 1 3/4" screws provided. Assembly instructions for components can be found on pages 25-29.

Uvgr "36:



Install small access ladder between two towers using four 1 1/2" screws provided. Make sure to fasten underneath deck as well.

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Uygr 37:



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."

Uygr 38:



Your main tower assembly is now complete. You can now fasten rock wall (if you purchased one), step ladder, and slide.

Position rock wall at desired location. Fasten using four 1 1/2" screws.

Uygr 39:



Fasten step ladder and slide at desired location using 1 3/4" washer screws.

You are now ready to install your roof. Assembly instructions for the tarp roof can be found on pages 14-16.

# Tarp Roof Assembly Instructions

Uygr "1:



Identify three 2x4x37" for cover frame. Fasten brackets to one end using 1 3/4" washer screws. Flanges on bracket should be flush with bottom of 2x4.

Uygr "2:



Identify 2x4x80" for cover frame. Fasten 2x4's to 4x4 post on tower using 3" lag. Space on each end should be 12". One on front of tower.

Uygr "3:



There should also be one 2x4x80" at the location specified by the yellow arrow. .

Uygr "4:



There should also be one 2x4x80" on the back side of the tower.

# Tarp Roof Assembly Instructions

Uygr "5:



Then center one 2x4x37" with bracket on 2x4x80" and fasten using 1 3/4" screws.

Uygr "6:



A 2x4x37" with brackets needs to be fastened here as well (on center).

Uygr "7:



And a 2x4x37" with brackets should be fastened here as well.

Uygr "8:



Then fasten 2x4x61" centered on top of vertical 2x4's using 3" lag.

## Tarp Roof Assembly Instructions

Uygr '9:



Fasten 2x4x58 1/2" to support lower cover using 3" lags.

Uygr "10:



Identify covers attached to 2x4's. Drape over top of cover frame and fasten using 3" lags. Start on one end by fastening right next to cap on 2x4 support. Then pull tight on opposite side and fasten.

Uygr "11:



Additional 2x4x16" needs to be added to support lower deck frame.

Uygr "12:



Your completed tarp assembly should appear similar to this. The next step is to install the swing frame(s). Instructions for a swing frame can be found on pages 17-21. Instructions for a climbing set can be found on pages 22-24.



# 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:



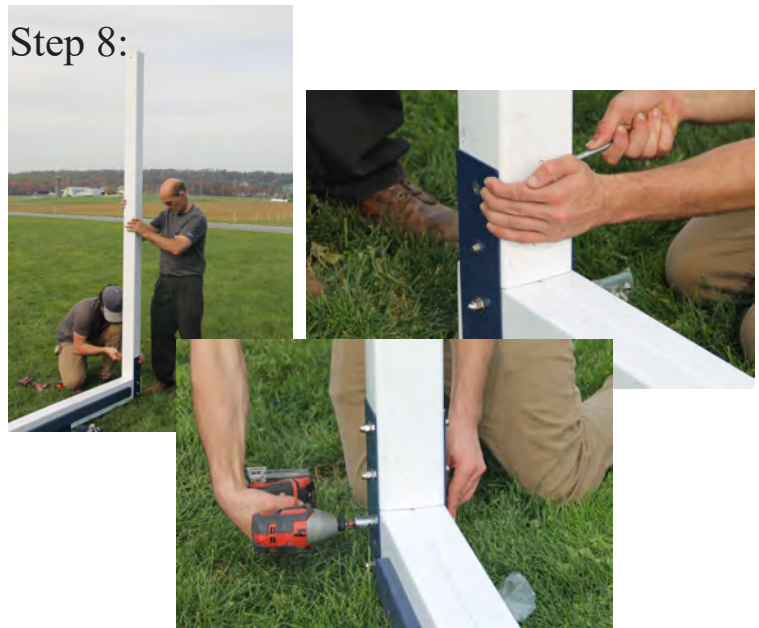
Rotate the swing beam 180 degrees so that the swing bearings are turned up. Fasten the swing beam receiver bracket to the swing beam using two 4 7/8" bolts provided. This bracket needs to be fastened to the end of the swing beam without the caps. Thread acorn nut onto bolt as far as you can, then back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

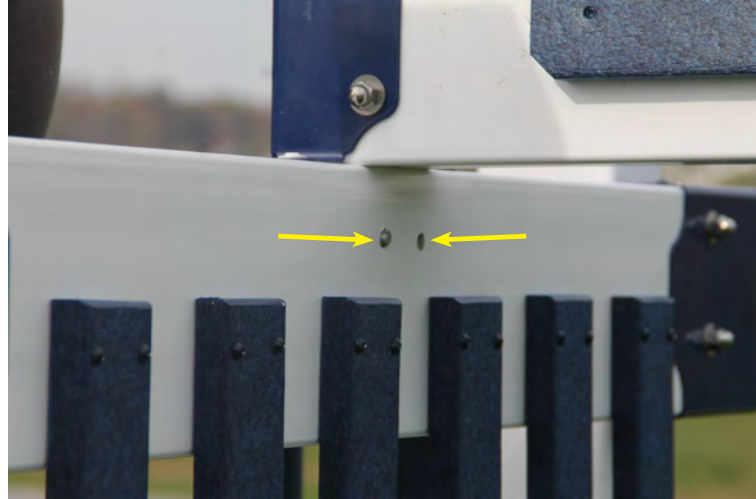
**Note:** your set may not appear exactly as pictured at this point.

## 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:



Next install the climbing frame, those instructions can be found on pages 22-24.

This is how your completed swing beam should appear after you have added your swings. Now is a good time to go over the entire set and be sure all bolts and nuts are properly installed and tightened.

# Climbing Set Assembly

## Step 1:



You are now ready to assemble climbing beam. To begin, identify the main components; one top ladder, one ground runner 2x4, and two brace 2x4's, and one end ladder.

## Step 2:



On one end, fasten two brackets as shown, using four 2 5/8" bolts (this is an upside down position).

## Step 3:



On opposite end, fasten end ladder to top ladder using four 4 1/8" bolts. Tighten using a 9/16" deep socket and a 9 1/6" open end wrench. Keep in mind that over-tightening can damage the acorn nut.

## Step 4:



Flip ladder into upright position and place at desired location on playset.

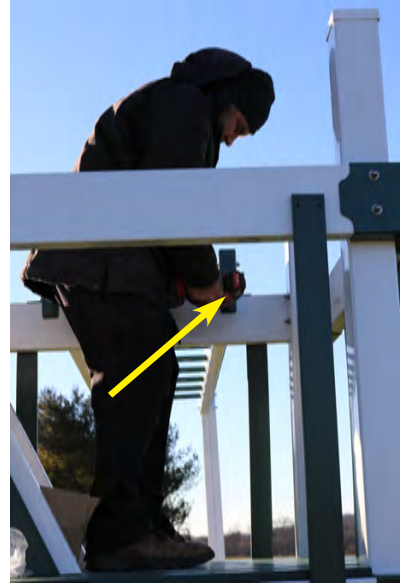
# Climbing Set Assembly

Step 5:



Fasten flange on bracket to 2x6 using two 3" lags. Be sure inside flange is tight against inside of 2x6.

Step 6:



Pre-drill 7/16" hole through hole on inside flange and through 2x6.

Step 7:



Finish fastening top ladder to tower using two 2 5/8" bolts. Tighten immediately.

Step 8:



Fasten ground runner 2x4 to end ladder using two 6 1/8" bolts. Tighten immediately.

# Climbing Set Assembly

Step 9:



Fasten short angle of brace 2x4 to ground runner using two 4 1/8" bolts. Tighten immediately.

Step 10:



Fasten long angle to end ladder using 4" lag. Pre-drilling is recommended.  
Your climbing ladder assembly is now complete.

The next step is to install any components you may have purchased. Assembly instructions for components can be found on pages 25-29.



# Component Assembly Instructions

## Tic-tac-toe panel:

Ugr "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.

Ugr "2:



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

Ugr "3:



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

Ugr "4:

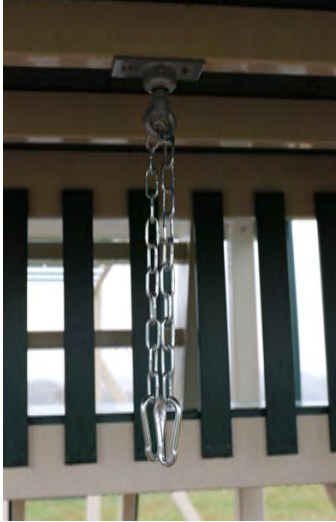


Completed install should look similar to this.

# Component Assembly Instructions

## Hammock Swing:

Uygr "1:



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

**Note: you will only need the extra chain and hook if you install this on a position of the swing beam instead of under the deck.**

Uygr "2:



Install the swivel using two lags provided. Then attach one end of chain to the snap hook. Finish the installation by attaching the snap hook to the swivel.

Uygr "3:



If you are installing under the deck it should look similar to this.

Uygr "4:



If you are installing on the swing frame, it should look similar to this

## Component Assembly Instructions

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

Uvgr "1:



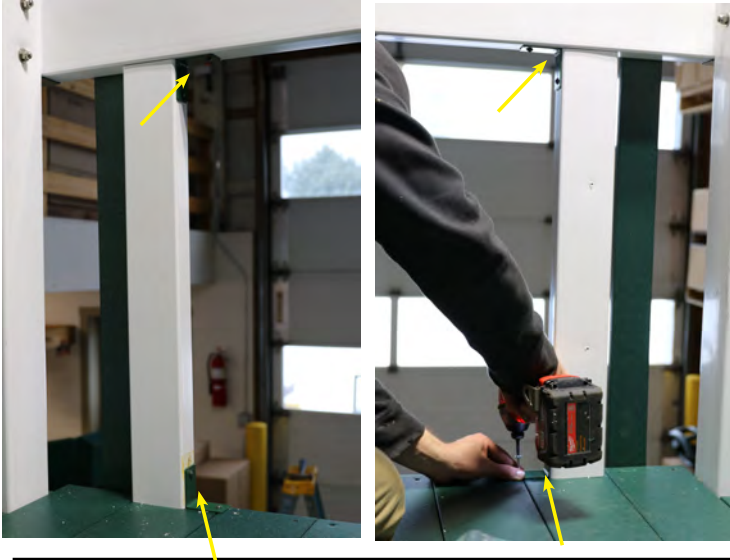
Fasten small angle brackets to 2x4x26" using 1 3/4" washer head screws.

Uvgr "2:



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

Uvgr "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".

Uvgr "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:

Uygr "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.

Uygr "2:



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

Uygr "3:



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

Uygr "4:



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