

Vinyl Triangle Pergola Assembly Manual



Pergola Assembly Manual

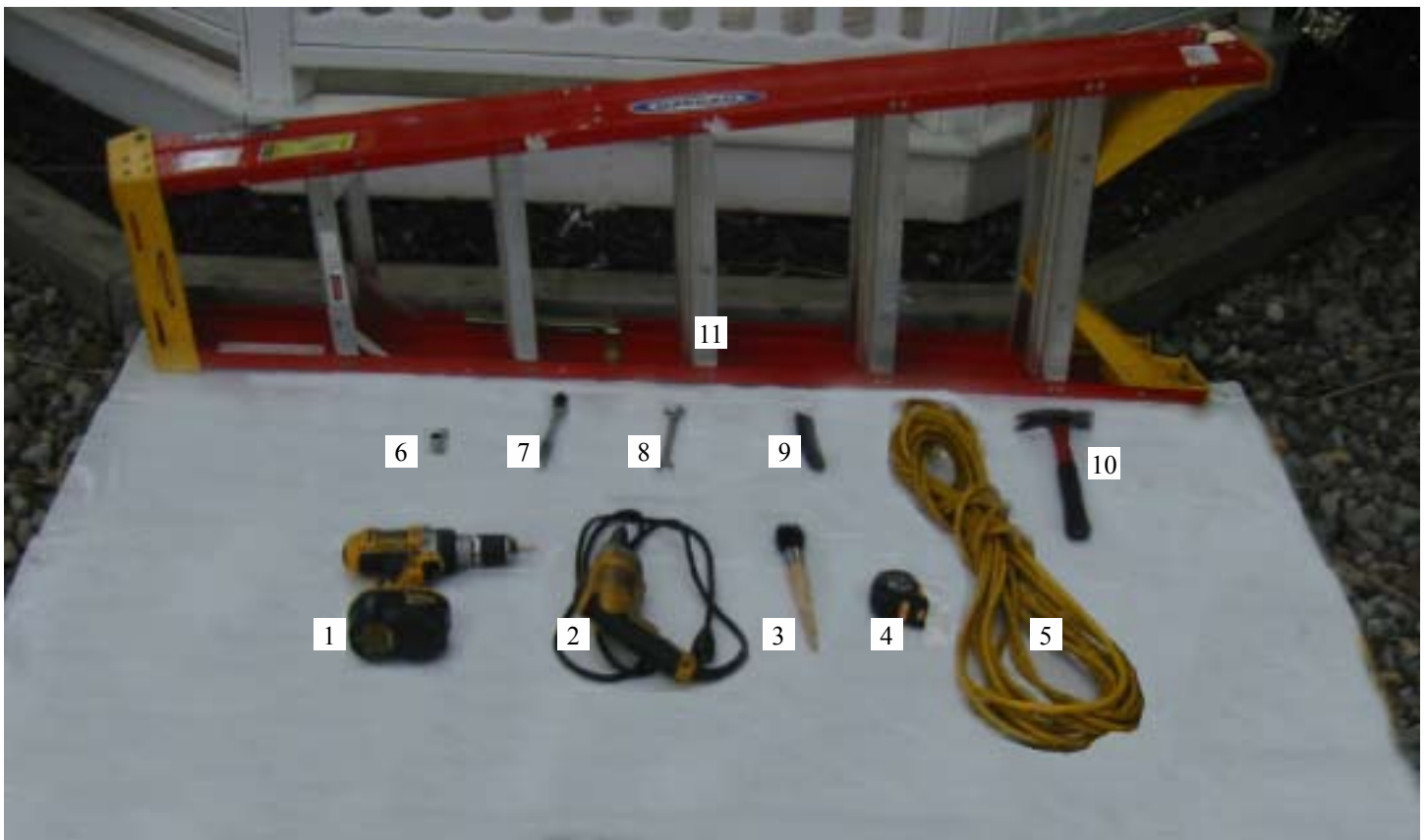
Thank you for your purchase of this Pergola

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!**

The Pergola put together for this manual was a 11 Triangle. This manual can also be used for other models. It took 3 men, approximately 2 hours using the tools shown below. However, it may take you longer since it will be a new project for you.

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

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



Tools Needed

- | | |
|--------------------------|------------------|
| 1. Cordless Drill | 8. Wrench Set |
| 2. Electric Hammer Drill | 9. Utility Knife |
| 3. Paint Brush | 10. Hammer |
| 4. Measuring Tape | 11. Ladder |
| 5. Electric Cord | |
| 6. Socket | |
| 7. Socket Wrench | |

Parts Page



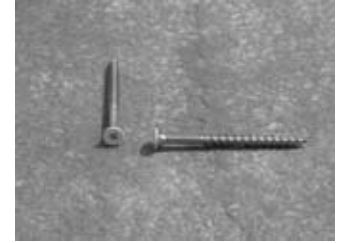
3/8" Wedge Bolt



10x2. " White PanHead
Screws



8x1. 1/4" SS Screw



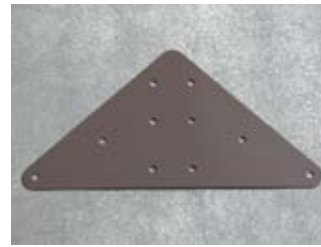
10x2 1/2" White Screw



PVC Cement



2x2 Screw Bit



Triangle Bracket



5x5 Posts



8x8 Superior Post Sleeve



Superior Post Foot Cover



Superior Post Spacer Blocks



2x6 Pergola Rafter



2x6 Pergola Rafter Caps



2x2 Pergola Runner Caps



Pergola Runner Spacer



Brace Headers



2x8 Top Plate Section

Post and Brace Sections



Step: 1

Your first step in assembling your pergola is to assemble your posts.

-First attach Top Cap and Bottom Footer to 8x8 Sleeve.

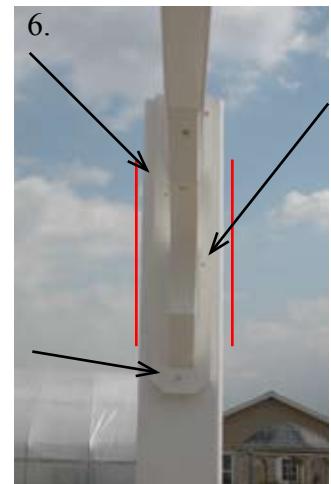
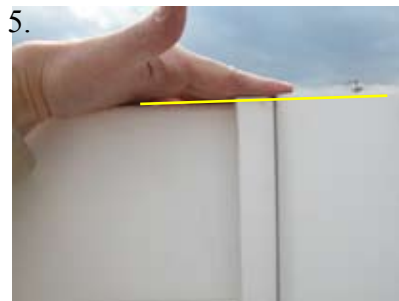
(Shown Photo 1 - Yellow Arrows)

Slide the 8x8 Superior Post Sleeve over the 5x5 Post.

(As shown on photo 1 - Red Arrows)

Place (4) Spacer Blocks in the bottom of the Sleeve and (4) Spacer Blocks into the top of the Sleeve

(As shown in photos 2 and 3)



Step: 2

-Find and Layout your 3 Brace Headers.

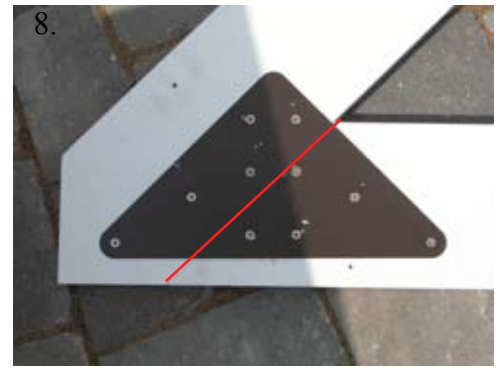
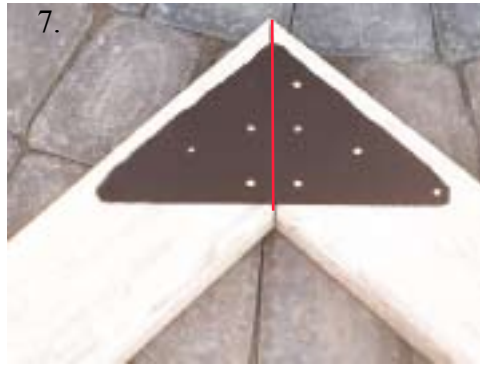
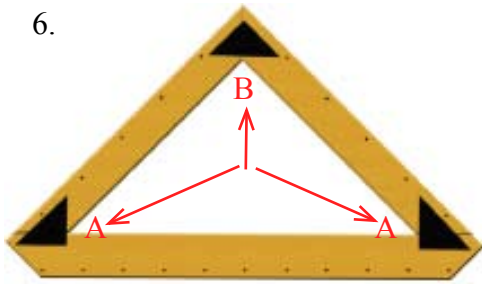
-Lift first Brace Header up and into position (Shown in Photo 4)

-Before screwing the Brace Header Section into place, ensure it is flush to the top of the post (Shown in photo 5 with yellow bar) and center on the post (Shown in photo 6 with Red Bars)

-Attach Brace Header to Post using (3) 10x2. 1/2" white screws per side (Shown in photo 6 with black arrows)

-Finish by completing the other 2 sides.

Top Plate Installation



Step 3.

-Find and Layout your (3) 2x8s for your Top Plate Sections.

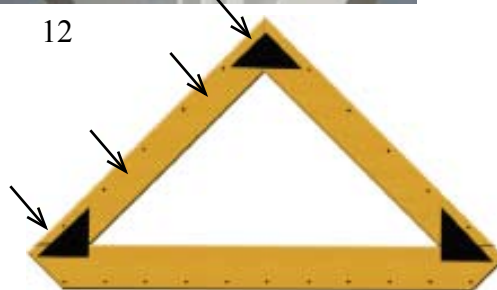
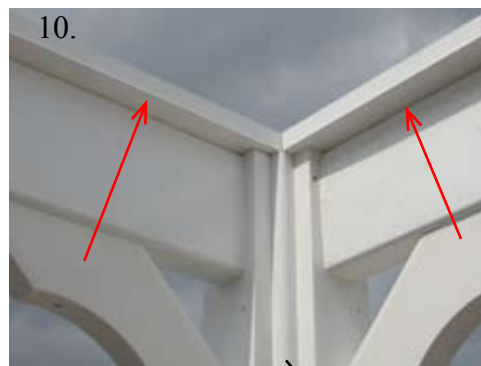
Layout these pieces into a Triangle shape. (Shown in photo 6)

Ensure all Letters Match (Shown Photo 6, with red arrows and letters) Remove Stickers after matching.

-Place the (3) Triangle Brackets on each corner of the top plate. (As Shown in photo 6,7,8)

Be sure to keep the Triangle Bracket as close to the inside edge as possible (as shown with on photo 6,7,8)

-Screw all (3) Triangle Brackets onto the Top Plate using (10) 8x1 1/4 SS Screws on each Plate.



Step 4.

-Using 2 - 3 Men lift the Top Plate and slide it onto the top of the pergola. (Shown on photo 9)

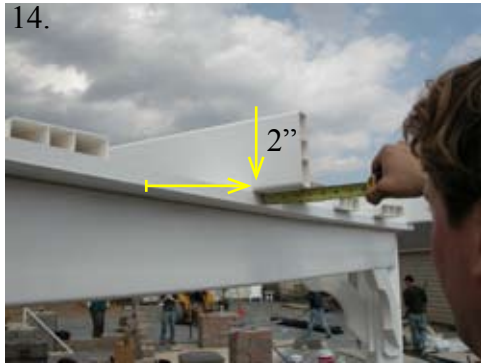
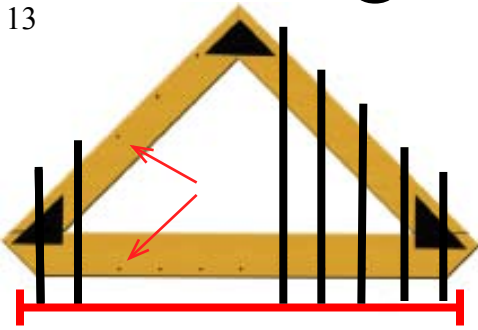
Ensure Reveal on all Three Inside corners are equal, and center inside and out.(Shown Photo 10, Red Arrow)

-After Top Plate is placed on top of post structure, Screw down the Top Plate by placing a screw by eye center of the 2x8 plate and screwing down into the Posts and Brace Section (Shown on photo 11).

Using 10x2 1/2" White Coated Screws. (**DO NOT USE THE PRE-DRILLED HOLES** these holes are used later)

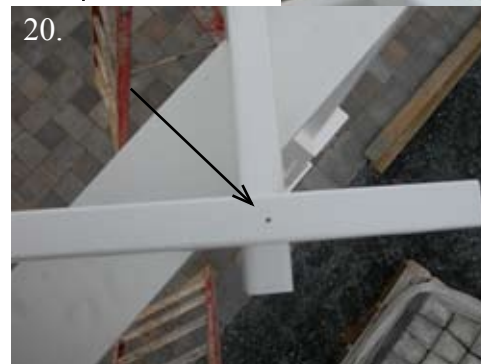
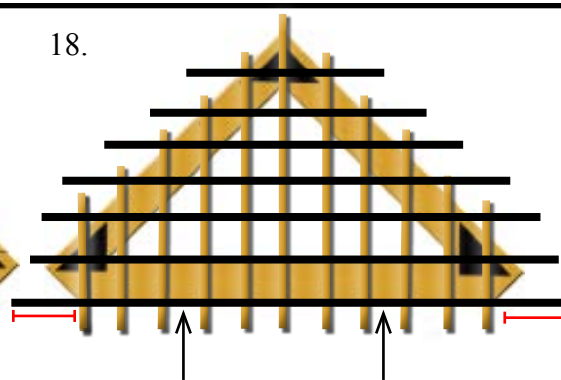
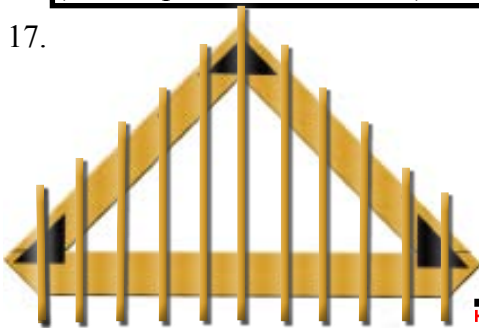
-Space screws out evenly across board depending on length you should only need 5 -7 screws per side. (See photo 12 and black arrows for example of spacing)

Pergola Roof Installation



Step 5.

- Place your first Roof Rafter on top of your Top Plate, and Center on the front and back (2 Pre-Drilled holes.) (Shown Photo 13 Red Arrows)
- Place The Remaining Roof Rafters by centering it on the next 2 Pre-Drilled Holes (Shown Photo 13 Black Bars and Red Arrows)
- Measure the front of each Roof Rafter so Spacing is Appoximetly 2" from the edge of the front of theTop Plate (Shown Photo 14 with yellow arrows)
- Attach Pergola Rafters onto Top Plate using 10x2 1/2" White Head Screws through pre drilled holes. (Shown photo 16, red arrow)



Step 6.

- After installing all Roof Rafters the top of your pergola it should look similar to Photo 17.
- Mount Pergola Runners across the Pergola Rafters placing them in the Pre-Notched Slots in your Spacer Bar (Shown Photo 18 with Black Bars and Photo 19)
- Ensure Front Pergola Runner is spaced away from Front 2 edge" (Shown Photo 19 with Black arrow)
- Ensure Pergola Runners are even on both sides and Center (Shown Photo 18 Red Bars)
- Screw each Pergola Runner down working across screwing each intersection using 10x2" White Panhead Screw. (Shown Photo 20). **CAUTION:Do not over tighten screws, you will break Plastic.**



Step 7.

- To attach end Caps do one at a time.
- Open PVC Cement Jar and apply to inside of cap (Shown Photo 21)
- Place Cap on end of Pergola Rafter (Shown Photo 22 and 23)
- Apply Cement on the inside of the Pergola Runner (Shown Photo 24)
- Insert Cap into Pergola Runner (Shown Photo 25)

CAUTION: Be careful with PVC Cement glue becomes permanent when dry and will stain clothes or ruin items glued over, We recommend finding a scrap piece of cardboard in case of glue spills. Don't Breath in fumes.

Attaching Your Pergola to your Patio.



When attaching your Pergola to your Patio, Ensure you attach it to a solid structure. (I.e. Concrete Base, Concrete Pad, Deck etc.. Do not attach to pavers alone. Pavers will not hold your pergola down in high winds.



First lift Superior Post Sleeve Up and away from brackets
Using a Hammer Drill and a 3/8 Drill Bit (Not Included). Drill into the Patio.



Photo Showing Newly Drilled Hole.



Insert Included Wedge Bolt and Hammer into hole.
Ensure Nut is on top of Bolt and you hammer on the nut. DO NOT HAMMER on top of the bolt, you will damage threads.
Hammer Bolt down leaving approximately 1/2" of threads exposed.



Tighten nut until wedge bolt becomes tight.
(This step can sometimes pull bolt out of hole slightly, about 1/2" to 1", this is normal)
After Tightening Bolt Lower Superior Post Sleeve into place.

Thank You for your Purchase and Enjoy your new Pergola.