

# Wooden Rectangle 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 12x16 Rectangle. 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.



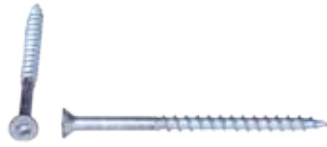
## Tools Needed

- |                          |                  |
|--------------------------|------------------|
| 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. 3/4" Socket           |                  |
| 7. Socket Wrench         |                  |

# Parts Page



3/8" Wedge Bolt



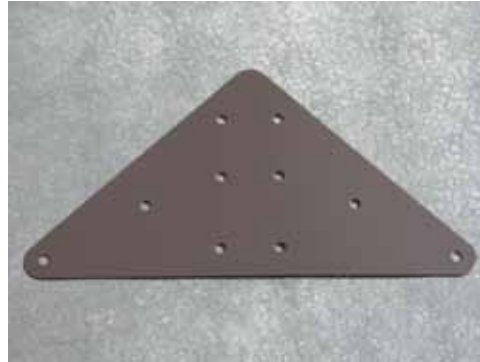
10x2. 1/4 " SS Screw



9x3" Brown Coated Screw



8x1. 1/4" SS Screw



Triangle Brackets



2x2 Screw Bit



5x5 Posts



Brace Headers



2x6 Pergola Rafters



2x8 Top Plate Sections



2x4 Pergola Stringers

# Post and Brace Sections

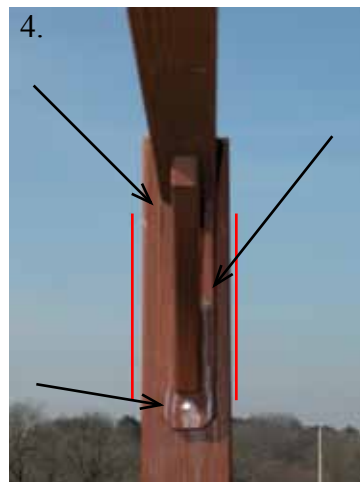


## Step: 1

-Begin by Starting with a clean area with all your parts sorted.

- Place your 5x5 Posts in the approximate area they will be located.

Use caution when standing posts upright. Posts can fall over if not held in place.



## Step: 2

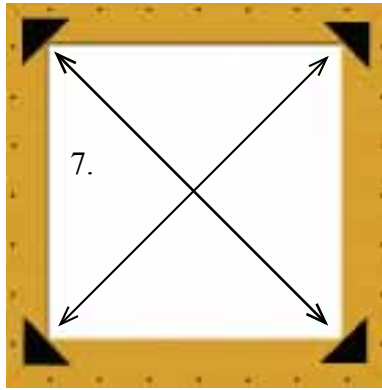
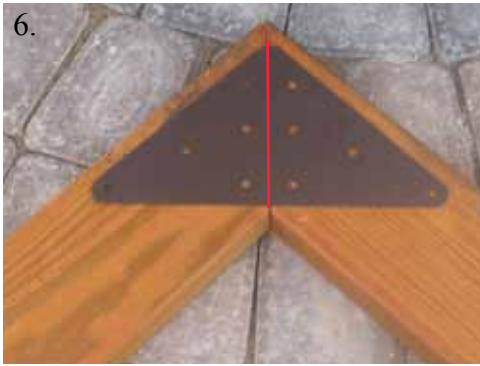
-Your next step is to attach the top brace sections between to posts. Begin by lifting 1 Brace Header in between two posts as show in photo 2.

-Before screwing the Brace Header Section in place, ensure it is flush to the top of the post (Shown in photo 3 with yellow bar) and center on the post (Shown in photo 4 with Red Bars)

-Attach Brace Header to Post using (3) 10x2. 1/4" screws per side (Shown in photo 4 with black arrows)

-Finish by completing the other 3 sides.

# Top Plate Installation



## Step 3.

-Find and Layout your (4) 2x8s for your Top Plate Sections.

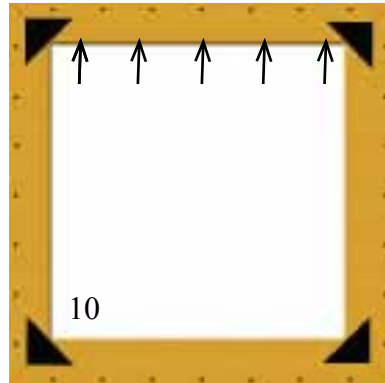
Layout these pieces into a square or rectangle shape. (Shown in photo 7)

-Place the (4) Triangle Brackets on each corner of the top plate. (As Shown in photo 6)

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

-Before attaching triangle brackets into place measure across your Top Plate in both directions and ensure measurement is equal (Shown with arrow in photo 7) This will ensure the top plate is accurate and square.

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



## Step 4.

-Using 3 - 4 Men lift the Top Plate and slide it onto the top of the pergola. (Shown on photo 8)

Ensure Reveal on all four corners are equal, and center inside and out. (Shown on photo 9 with Red Arrows)

-After Top Plate is placed on top of post structure, Fasten down the Top Plate by placing a 9x3" Brown coated screw by eye center of the 2x8 plate and driving screw down into the Posts and Brace Section (Shown on photo 11).

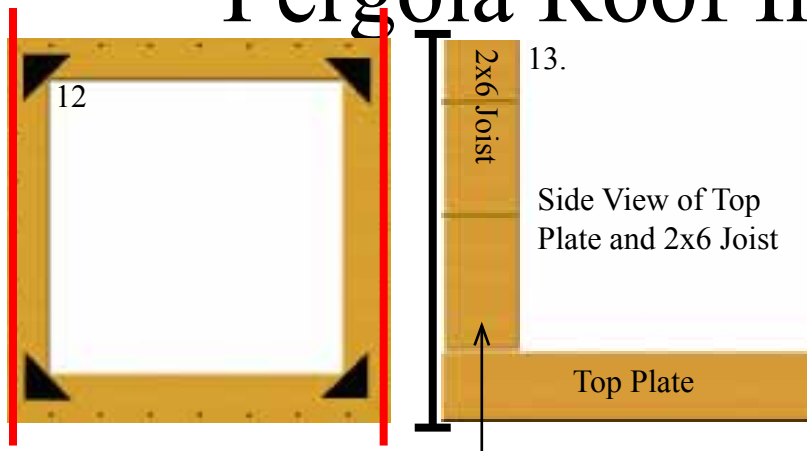
Using 9x3" Brown Coated Screws. **(DO NOT USE THE PRE-DRILLED HOLES** these holes are used later)

-Space screws out evenly across board depending on length you should only need 5 -7 screws per board. (See photo 10 and black arrows for example of spacing)

-After completing all the preceding steps your Pergola should look similar to photo 9.

Notice that all Posts, Braces and the Top Plate is installed and square.

# Pergola Roof Installation



## Step 5.

-Install the two outside 2x6 Pergola Rafters.

(2x6 locations shown with Red bar on photo 12.)

Attach Pergola Rafter onto Top Plate using 9x3" Brown Coated Screws through pre drilled holes.

(Shown photo 13 Black Arrow and photo 18)

Ensure the outside edge of the 2x6 and the top plate are flush.

(Shown photo 13 with Black Bar)

After the first two 2x6 Rafters are installed lift the rest into place. But don not fasten these into place until step 7 (Shown photo 14)



## Step 6.

- After Placing all 2x6 Rafters in place then begin to add 2x4 Stringer one at a time.

Place these into the Pre Cut Slots and space 2x6 Rafters to fit. (Shown photo 15)

Continue until all 2x4 Stringer are placed and fitted into the 2x6 rafter slots.

Attach 2x4 Stringers to 2x6 rafter at every cross point using 9x3 brown coated screws (Shown photos 16 & 17)



## Step 7.

After all 2x6 Rafters and 2x4 Runners are installed and fastened.

Fasten remaining 2x6 Rafters to Top Plate using 9x3 Brown Coated Screws

(Shown in photo 18)

# 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.



-Using a Hammer Drill and a 1/2" Drill Bit (Not Included). Drill into the Patio.



-Photo Showing Newly Drilled Hole.



-Insert Included 4" Concrete Lag Bolt into hole.

-Tighten Lag Bolt.

If your Pergola is Stained or Painted, Use the included Quart of Paint or Stain and Touch up your New Pergola as Desired.

Thank You for your Purchase and Enjoy your new Pergola.

# Optional Superior Post



Superior Post Panel



Post L Trim



Bottom Base Trim



Top Trim



8x1.1/2" Stainless Screw



9x2.1/2" Coated Screw



-Place (2) Superior Post Panels together as shown. Ensure that inside cross block is flush at top. Do not install upside down.



-Join together by using 1.1/2" Stainless screws through pre-drilled holes.



- Finish Post by adding additional Panels and joining together as shown in previous (2) steps



- Place Bottom Base Trim around Superior Post Panels and attach using (3) 1.1/2" Screw through pre drilled holes.



- Place Post L Trim onto corner ensure flush fit at top and bottom.



-Attach Post L Trim using 1.1/2" Screw.



-Place Top Trim into place as shown. Ensure even fit all around.

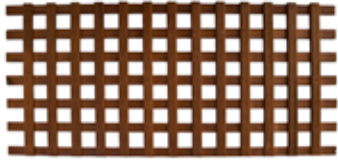


-Attach Top Trim using 2.1/2" coated screws

-Complete by finishing remaining desired posts.



# Optional Roof Lattice



2'x4' Lattice Panel



L Edge Trim



Flat Connecting Trim



9x2.1/2" Coated Screw



-Place 1st Lattice Panel in place between 2x6 Runners from the top. Place panel edge center of Rafter as shown.



-Place L Edge Trim onto lattice panel and ensure flush with front edge of pergola.



-Attach with (2) 2.1/2" Coated screws through pre-drilled holes.



-Showing L Edge Trim Installed.  
-Flush with front edge.



-Place 2nd piece into place.  
-Lattice should fall center of Rafter as shown above



Place Flat Connecting Trim to over lap both lattice sections.



-Attach Trim with (2) 2.1/2" coated screws through pre-drilled holes.



-Continue adding additional Lattice Panels and attaching Trim pieces until Lattice Roof is complete.