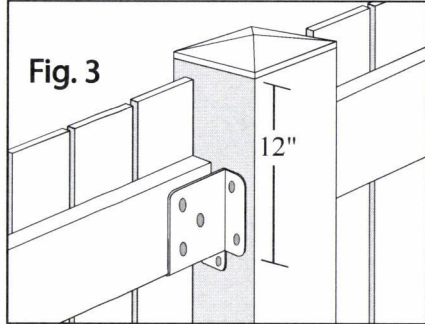


# Installing Fence Panels

## For Privacy Style Fence

### Step 1) Bracket Installation

- Center and attach the top brackets, 12" down from the top of the post sleeve to the bottom of the bracket. You can use a string level between brackets to check that they are level.
- The open end of the bracket needs to face towards the side of the fence that will have pickets (see Fig 3).



### Step 2) 2 x 4 Sleeve Assembly

- Cut all 2 x 4s and 2 x 4 sleeves to 67-3/4" (For 72" O.C. post spacing).
- Slide the 2 x 4 sleeves over the 2 x 4 boards until the ends are flush, these will be your picket backer rails.

### Step 3) Preassembling Fence Panel

- On a flat surface position the 3 backer rails parallel to each other spaced 23" apart.
- Evenly place the pickets across the backer rails.
- Line up each picket so that it is at 90 degree angle to each backer rail and is 6" above the top surface of the upper backer rail.
- Using 1-5/8" screws attach pickets to the backer rail. 2 screws into each backer rail (6 screws per picket).

*NOTE: Due to the weight we recommend that someone assist you with these next steps*

### Step 4) Attaching Remaining Brackets

- Flip the panel over so that the pickets are now facing down.
- Attach the remaining 4 brackets to the ends of the middle and bottom backer rails.

### Step 5) Installing Panels Between the Posts

- Lift the panel into position between 2 posts and slide into the upper brackets that were previously installed. Fasten the upper brackets to the top backer rail.

### Step 6) Level Panel and Complete Attachment

- Using a level check for vertical plumb alignment of panel and then fasten the remaining brackets to the sides of the post sleeves.
- Repeat steps 1 through 6 for all remaining fence panels.

## For Scalloped style fence

### Step 1) Bracket Installation

- Center and attach the top brackets, 12" down from the top of the post sleeve to the bottom of the bracket. You can use a string level between brackets to check that they are level.
- The open end of the bracket needs to face towards the side of the fence that will have pickets (see Fig 3).

### Step 2) 2 X 4 Sleeve Assembly

- Cut all 2 X 4s and 2 X 4 sleeves to 67-3/4" (For 72" O.C. post spacing).
- Slide the 2 X 4 sleeves over the 2 X 4 boards until the ends are flush, these will be your picket backer rails.

### Step 3) Preassembling Fence Panel

- To create the scalloped top effect, you will need to cut the pickets to the following lengths: 2 qty. - 72" (no need to cut as this is the original length), 2 qty. - 71-1/4", 2 qty. - 70-1/2", 2 qty. - 69-3/4", 2 qty. - 69", 2 qty. - 68-1/4", and 1 qty. - 67-1/2".
- On a flat surface position the 3 backer rails parallel to each other spaced 23" apart.
- Evenly place the pickets across the backer rails, positioning the longest pickets on the outside, and arranging the rest of the pickets in descending size toward the center.
- Line up each picket so that it is at 90 degree angle to each backer rail and is 6" above the top surface of the upper backer rail for the 2 outer pickets.
- Working towards the middle of the panel, each picket should be 3/4" lower the previous picket, and all pickets should be even along the bottom of the panel.
- Using 1-5/8" screws attach pickets to the backer rail. 2 screws into each backer rail (6 screws per picket).

*NOTE: Due to the weight we recommend that someone assist you with these next steps*

### Step 4) Attaching Remaining Brackets

- Flip the panel over so that the pickets are now facing down.
- Attach the remaining 4 brackets to the ends of the middle and bottom backer rails.

### Step 5) Installing Panels Between the Posts

- Lift the panel into position between 2 posts and slide into the upper brackets that were previously installed. Fasten the upper brackets to the top backer rail.

### Step 6) Level Panel and Complete Attachment

- Using a level check for vertical plumb alignment of panel and then fasten the remaining brackets to the sides of the post sleeves.
- Repeat steps 1 through 6 for all remaining fence panels.

## For Shadow Box Style Fence

### Step 1) Bracket Installation

- Center and attach the top brackets, 12" down from the top of the post sleeve to the bottom of the bracket. You can use a string level between brackets to check that they are level.
- The open end of the bracket needs to face towards the side of the fence that will have 7 pickets (see Fig 3).

### Step 2) 2 X 4 Sleeve Assembly

- Cut all 2 X 4s and 2 X 4 sleeves to 67-3/4" (For 72" O.C. post spacing).
- Slide the 2 X 4 sleeves over the 2 X 4 boards until the ends are flush, these will be your picket backer rails.

### Step 3) Preassembling Fence Panel

- On a flat surface position the 3 backer rails parallel to each other spaced 23" apart.
- On the front face of the backer rails attach the first picket to the left end of the backer rails.
- Line up each picket so that it is at 90 degree angle to each backer rail and is 6" above the top surface of the upper backer rail.
- Using 1-5/8" screws attach pickets to the backer rail. 2 screws into each backer rail (6 screws per picket).
- From the right edge of the first picket measure over 5-1/4" and attach the 2nd picket.
- Continue with this application to the 7th picket. Pre-cutting a 5-1/4" spacer will make spacing of the pickets easier and more uniform.

*Note: Due to the weight we recommend that someone assist you with this next step*

- Flip the panel over so that the pickets are now facing down.
- On the back face of the backer rail measure 3-1/4" from the left edge of the backer rail and attach the 8th picket.
- From the right edge of the 8th picket measure over 5-1/4" and attach the 9th picket.
- Continue with this application to the 13th picket. The 13th picket should end up 5-1/4" from the right end of the backer rail.

### Step 4) Attaching Remaining Brackets

- Attach the remaining 4 brackets to the ends of the middle and bottom backer rails.

*NOTE: Due to the weight we recommend that someone assist you with these next steps*

### Step 5) Installing Panels Between the Posts

- Lift the panel into position between 2 posts and slide into the upper brackets that were previously installed. Fasten the upper brackets to the top backer rail.

### Step 6) Level Panel and Complete Attachment

- Using a level check for vertical plumb alignment of panel and then fasten the remaining brackets to the sides of the post sleeves.
- Repeat steps 1 through 6 for all remaining fence panels.

## For Basket Weave Style Fence

### Step 1) Bracket Installation

- Center and attach the top brackets, 6-1/2" down from the top of the post sleeve to the bottom of the bracket. You can use a string level between brackets to check that they are level.
- The open end of the bracket needs to face towards the side of the fence that will have 7 pickets (see Fig 3).

### Step 2) 2 X 4 Sleeve Assembly

- Cut all 2 X 4s and 2 X 4 sleeves to 67-3/4" (For 72" O.C. post spacing).
- Slide the 2 X 4 sleeves over the 2 X 4 boards until the ends are flush, these will be your picket backer rails.

### Step 3) Preassembling Fence Panel

- On a flat surface position the 2 backer rails parallel to each other spaced 64" apart or 72" to the outer edges.
- On the front face of the backer rails attach the first picket to the left end of the backer rail.
- Line up each picket so that it is at 90 degree angle to each backer rail and is flush with the top surface of the upper backer rail.
- Using 1-5/8" screws attach pickets to the backer rail. 2 screws into each backer rail.
- From the right edge of the first picket measure over 5-1/4" and attach the 2nd picket.
- Continue with this application to the 7th picket. Using an extra picket as a spacer will make spacing of the pickets easier and more uniform.

*Note: Due to the weight we recommend that someone assist you with this next step*

- Lay the 3rd backer rail down and attach a bracket to the outer edge of each end. Position the brackets so that the top, or open end of the bracket, will be facing the direction of the top of the fence.
- Flip the panel over so that the pickets are now facing down and lay the panel on top of the 3rd backer rail so that the middle backer rail is evenly spaced between the two outer backer rails.
- Attach the pickets to the middle backer rail using a 1-5/8" screw in the middle of the picket, check that there is a 5-1/4" distance between each picket.
- From the back side of the fence, weave the remaining pickets over the outer backer rail, between the attached pickets, under the middle backer rail and back to the top of the other outer backer rail.
- Attach the remaining 6 pickets to each of the outer backer rails using 2 qty. 1-5/8" screws. Check that there is a 5-1/4" distance between each picket.

### Step 4) Attaching Remaining Brackets

- Attach the remaining 2 brackets to the bottom backer rail. The brackets need to be installed in the same direction as the middle brackets.
- Once again flip the panel over and attach the last 6 installed pickets to the middle backer rail in the middle of the picket, check that there is a 5-1/4" distance between each picket.

*Note: Due to the weight we recommend that someone assist you with this next step*

### Step 5) Installing Panels Between the Posts

- Lift the panel into position between 2 posts and slide into the upper brackets that were previously installed. Fasten the upper brackets to the top backer rail.

### Step 6) Level Panel and Complete Attachment

- Using a level check for vertical plumb alignment of the panel and then fasten the remaining brackets to the sides of the post sleeves.
- Repeat steps 1 through 6 for all remaining fence panels.

## Care & Maintenance

As needed a gentle brush or mild detergent and a garden hose may be used to keep your fence looking great for years to come.

Use caution when trimming with a string trimmer to avoid contact with the fence panels and posts. Keeping the bottom edge of the fence 1" or more above the ground makes it easier to trim grass around the base of the fence.

Low-Maintenance  
**Composite Fencing**  
by UltraDeck

www.midwestmanufacturing.com

Low-Maintenance  
**Composite Fencing**  
by UltraDeck

## PRODUCT INSTALLATION GUIDE



- Composite Fencing by UltraDeck<sup>®</sup> is created using state-of-the-art equipment to specially blend plastic and wood fibers.
- Resists splintering, cracking, rotting and insects.
- No special tools required, easy as working with wood.
- Low maintenance. Spend more time enjoying your fence rather than maintaining it!
- UltraDeck<sup>®</sup> is a top selling manufacturer of composite wood materials.
- Our environmentally friendly products are made with recycled materials. Due to the presence of recycled materials in UltraDeck<sup>®</sup>, some color and texture variations may occur.

## Tools Needed

Building a fence is a rewarding project you can do with few tools. As with any project, be sure and use all necessary protection, i.e. eyewear, safety boots. Here is a list of items you will need to complete your fence.

Post hole digger	Level and String level
Shovel	String line
Drill/Power screw driver	Tape Measure
Hammer	Table or circular saw

### Additional Material:

- Bag of Gravel
- Instant post cement
- Container to mix cement

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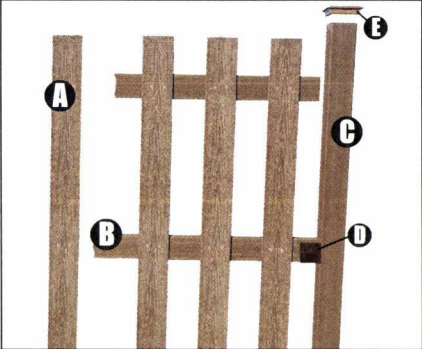
## Deciding On a Fence Style

There are literally hundreds of variations in fencing styles. The fence you choose depends primarily on its purpose. The fences described in these instructions are easy to build and are more attractive than an ordinary fence. With a little shrubbery or plants, such fences provide very attractive barriers along property lines.

Regardless of the type of fence you plan to build, be sure you know exactly where your property line is located. If you are uncertain about the location of the line, have your property surveyed or work out an agreement with your neighbor. Prior to construction, check with your local regulatory agency for special code requirements in your area.

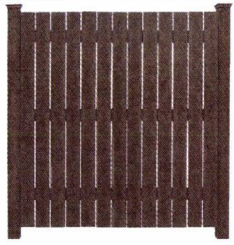
Study the designs in this brochure. Decide which of these styles you prefer, or use a little imagination and create your own fencing design. Being able to purchase components separately allows you more flexibility in your design.

## Fencing Components



- A** 13-piece picket pack
- B** 2x4x67-3/4" composite sleeves
- C** 4x4x78" composite sleeves
- D** Mounting brackets
- E** Post Cap

## Solid or Privacy Style



Allows for complete privacy. Used to surround swimming pools, define property lines or cover an unattractive area.

You'll need the following components for each section of this style of fence:

Fence Component	Qty. per section
<b>A</b> 13-piece picket pack	1 pack
<b>B</b> 2x4x67-3/4" composite sleeves	3
<b>C</b> 4x4x78" composite sleeves	1 (+ 1 at fence end)
<b>D</b> Mounting bracket sets	3 (sold as pairs)
<b>E</b> Post Cap	1 (per 4 X 4 sleeve)
• 1-5/8" screws	78
• AC2 treated 2x4x6'	3
• AC2 treated 4x4x10' post	1 (+1 at fence end)

## Scalloped Style

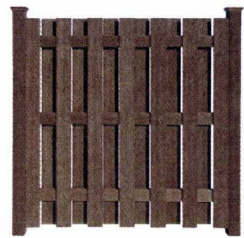


Also allows for complete privacy - ideal for defining boundaries while adding an extra decorative appeal.

You'll need the following components for each section of this style of fence:

Fence Component	Qty. per section
<b>A</b> 13-piece picket pack	1 pack
<b>B</b> 2x4x67-3/4" composite sleeves	3
<b>C</b> 4x4x78" composite sleeves	1 (+ 1 at fence end)
<b>D</b> Mounting bracket sets	3 (sold as pairs)
<b>E</b> Post Cap	1 (per 4 X 4 sleeve)
• 1-5/8" screws	78
• AC2 treated 2x4x6'	3
• AC2 treated 4x4x10' post	1 (+1 at fence end)

## Shadow Box Style

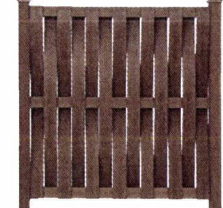


The ideal "good neighbor" fence features the same look on both sides of the fence. This style has the look of a privacy panel but allows more air circulation.

You'll need the following components for each section of this style of fence:

Fence Component	Qty. per section
<b>A</b> 13-piece picket pack	1 pack
<b>B</b> 2x4x67-3/4" composite sleeves	3
<b>C</b> 4x4x78" composite sleeves	1 (+ 1 at fence end)
<b>D</b> Mounting bracket sets	3 (sold as pairs)
<b>E</b> Post Cap	1 (per 4 X 4 sleeve)
• 1-5/8" screws	78
• AC2 treated 2x4x6'	3
• AC2 treated 4x4x10' post	1 (+1 at fence end)

## Basket Weave Style



Is also a "good neighbor" style fence and is often used on sloping terrain because it allows you to raise or lower each post and panel without disrupting the look.

You'll need the following components for each section of this style of fence:

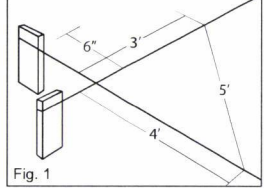
Fence Component	Qty. per section
<b>A</b> 13-piece picket pack	1 pack
<b>B</b> 2x4x67-3/4" composite sleeves	3
<b>C</b> 4x4x78" composite sleeves	1 (+ 1 at fence end)
<b>D</b> Mounting bracket sets	3 (sold as pairs)
<b>E</b> Post Cap	1 (per 4 X 4 sleeve)
• 1-5/8" screws	78
• AC2 treated 2x4x6'	3
• AC2 treated 4x4x10' post	1 (+1 at fence end)

## Layout & Setting of Posts

Prior to construction, check with your local regulatory agency for special code requirements in your area. Before digging postholes, contact Diggers Hotline or your local utility companies to mark any underground cables and pipelines.

### Step 1) Stake Out Fence Line

- Determine location of your fence and drive stakes into the ground beyond the corners and the ends of the fence. So you do not disturb the stakes when digging, locate them out an additional 6" beyond where the post is to be set (See Fig. 1)
- Stretch twine or heavy string between stakes and pull tight to mark layout of the fence line.



### Step 2) Setting Posts

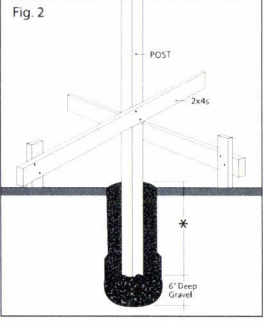
- Measure and dig post holes 72" from location of post center to post center.
- The required depth may vary based on the local frost line. You should check the requirements for your area. As a general rule approximately 1/3 of the total length of the post should be buried in the ground (Example: For a 10' post 3-1/2' will be in the ground and 6-1/2' above).
- Note: to accommodate the post sleeve 6"-6" of post needs to be above the ground.
- The post hole should be dug 6" deeper than needed and back filled with 6" of gravel to drain water away from the bottom of the post.

### Step 3) Checking Fit of Post Sleeve

- Check fit of post sleeves over the 4 X 4 posts before setting in the ground.
- Note: Unbracket post sleeves are designed to fit snug over dimensional 4 X 4 posts. If the 4 X 4 post you are using are outside of standards, trimming of edges may be required.

### Step 4) Setting the Posts

- Install the end and corner posts first. Brace the posts using 2 X 4's nailed to both the post and a stake pounded into the ground (see Fig. 2).
- Be sure the posts are in an exact upright position. You can check the alignment of each post with a regular level taking a reading on two adjacent sides.
- Tie a string between the posts along the fence line. This will establish a reference to ensure all the post will be in line.
- Set the remaining of the posts in a similar manner.



### Step 5) Filling the Post Holes

- *Option 1*) Pack the post in with the dirt removed from the hole, adding a little at a time around the post and tamping it down as you go along.
- *Option 2*) Or fill the post hole with Instant post cement stopping just below grade. Follow manufacturer's instructions on the cement bag.
- Once again use a level to check for vertical plumb alignment and the spacing between the posts. This should be 72" on center of each post or 68-1/2" between posts.
- Using the line stretched between end posts, ensure the front edge of each post is parallel with the fence line.

### Step 6) Post Sleeve Assembly

- If using cement make sure it has fully cured before removing bracing.
- Slide a composite sleeve over each fence post. Due to the height of the post we recommend using a step ladder and having someone assist you with this step.

### Step 7) Installing Post Cap

- Align post cap with the top of the post sleeve and slide onto the post sleeve. If desired use a silicon adhesive caulk to secure post cap to the sleeve.