

PROTECT-A-POOL® INGROUND REMOVABLE SAFETY FENCE INSTALLATION INSTRUCTIONS



GLI POOL PRODUCTS • 215 SINTER COURT • YOUNGSTOWN, OH 44510
WWW.GLIPOOLPRODUCTS.COM • PH. 800-448-2343



INSTALLATION TOOLS

The following tools are required for installation.

- Chalk
- Pencil
- Utility Knife
- Tape Measure
- Template (included)
- Power Drill
- Rope - (need enough to outline the fence layout)
- Scissors
- Power Screw Driver
- Rotary Drill or Hammer Drill*
- 1/4' bit - (to be used as a pilot bit if you are using a Hammer Drill)
- 5/8' bit
- All purpose glue or PVC Cement
- Concrete Epoxy
- Compressed Air (to clean the holes of debris)

*If using a Rotary Drill, then you will only need a 5/8" diamond bit.

PLEASE NOTE:

If your patio was built with rebar or any other substance that may damage a normal drill bit, it is recommended that you use a Rotary Drill with a 5/8" Diamond Bit to drill the holes.

TABLE OF CONTENTS

| | |
|----------------------------|----|
| Fence Components..... | 5 |
| Getting Started..... | 6 |
| Marking the Holes..... | 7 |
| Planning for the Gate..... | 8 |
| Post Angles..... | 10 |
| Warning..... | 17 |
| Warranty..... | 18 |

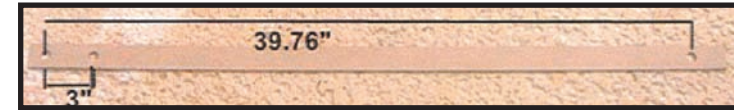
WARNING

THERE IS NO SUBSTITUTE FOR COMPETENT ADULT SUPERVISION IN THE SWIMMING POOL ENVIRONMENT! LIVES DEPEND ON YOU!

- ❑ **ALWAYS** KEEP THE GATE CLOSED AND FENCE PANELS FASTENED.
- ❑ IT IS **ALWAYS** RECOMMENDED TO WATCH CHILDREN AT ALL TIMES.
- ❑ THE USE OF THIS FENCE CAN HELP REDUCE THE UNAUTHORIZED USE OF A SWIMMING POOL, BUT **DOES NOT** GUARANTEE AGAINST ACCESS TO THE POOL AND IS **NOT** A SUBSTITUTE FOR ADULT SUPERVISION.

FENCE COMPONENTS

TEMPLATE



SECTION OF FENCE



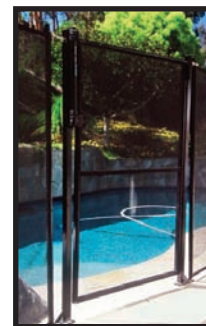
(2) LATCHES



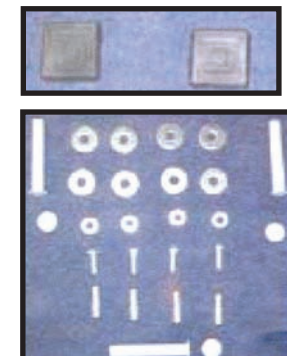
(4) SLEEVES



GATE (OPTIONAL)

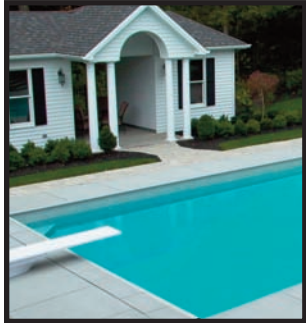


GATE HARDWARE



PLEASE READ THROUGH THE ENTIRE INSTRUCTION MANUAL BEFORE YOU BEGIN THE INSTALLATION.

GETTING STARTED

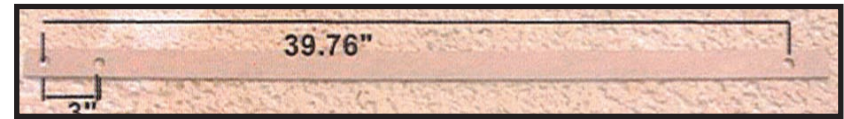


1. Determine the location of your fence.

Keep in mind that the fence **MUST** follow these guidelines:

- The fence must isolate the pool from every exit of the house.
- The pool must be encompassed on all sides by the fence and/or other permanent barriers (i.e, house, retaining walls, landscaping boulders, etc.)
- If the fence does not entirely surround the pool, it must be securely fastened to a strong and solid structure. That structure should be impassible to children.
- The fence should not be located near any structure that children could climb to gain access to the pool (unless the structure is inside of the fence)
- The fence should be located far enough away from the pool to allow for regular maintenance.

2. Determine the starting point of the fence along your proposed fence line.
3. Mark the holes for drilling using the template provided with the safety fence, or use a tape measure to mark holes for fence posts.



Note: When installing a curved run, the holes will need to be marked up to 1/4" closer or farther apart to compensate for slack in the fence.

MARKING THE HOLES



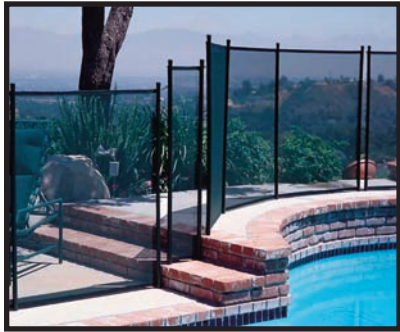
The following method is recommended in order to mark your fence layout as well as the holes that will need to be drilled.

- A. Take a rope and place it around the pool in the desired layout of the fence.
- B. Use the template and a tape measure to determine exactly where the holes will need to be drilled.



- C. Place the anchor caps or use chalk to mark where the holes will be drilled.
- D. Repeat this process until the entire fence layout and hole locations are marked in order to ensure the best setup of your fence.

PLANNING THE GATE

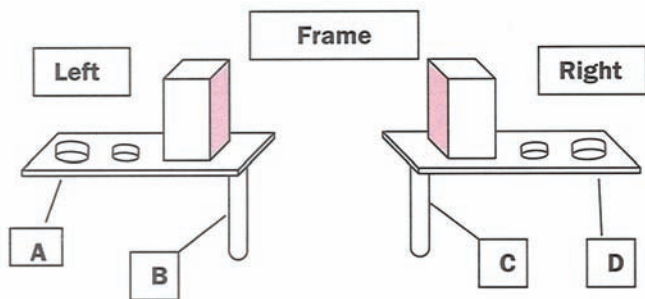


If you intend on installing the gate, you must consider the following measurements. This is due to the fact that a gate installation will alter the location of the fence holes where the gate is located.

Note: Detailed installation instructions for the gate can be found in steps 8 and 14 of this manual.

Measurements to consider when including a gate:

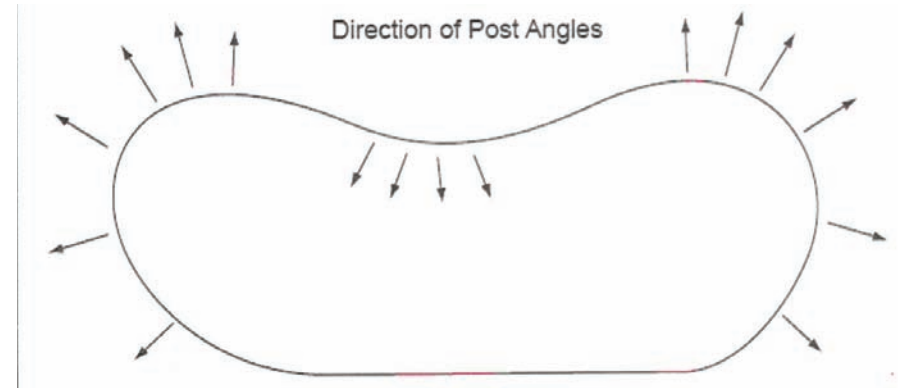
- A. Mark first hole for left gate post (point B) 5-1/2" from last hole of fence (point A) along same line as fence.
- B. Mark next hold for right gate post (point C) 36" from left gate post (point B).
- C. Mark second hole (point D) 5-1/2" from right gate post hole (point C). Hole (point D) will also contain fence pole of connecting fence section.
- D. When drilling holes A and D for fence, drill plum and level with deck.
- E. Drill holes for left and right gate posts (B and C) angling towards each other 4 degrees.



4. Drill holes for the fence posts.

It is recommended to drill a pilot hole with a 1/4" bit first, then finish the hole with a 5/8" bit.

Note: The posts **must** be installed at the correct angle to be fully functional.



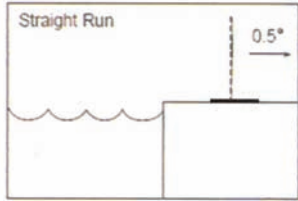
Note: It is recommended that you use a tape measure and the template to verify the location of the holes before you begin drilling.

Post Angle diagrams and descriptions are detailed on the next page...

POST ANGLES

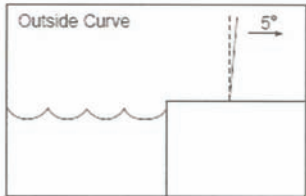
STEP 4 CONTINUED...

Straight Runs



Posts for straight runs of fence should be angled at 1/2 degree with the top angled away from the pool.

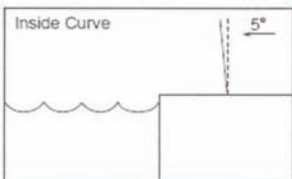
Outside Curves



Posts on an outside curve of fence should be angled at 3-5 degrees with the top angled away from the pool.

Note: Holes must be marked closer together in this situation to compensate for the fabric wrapping around the post.

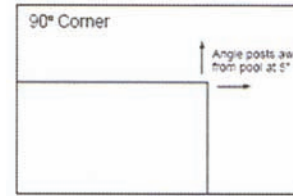
Inside Curves



Posts for an inside curve of fence should be angled at 3-5 with the top angled toward the pool.

Note: It is recommended that you use a tape measure and the template to verify the location of the holes before you begin drilling.

90 Degree Corners



90 degree corners should use two panels for maximum strength and stability.

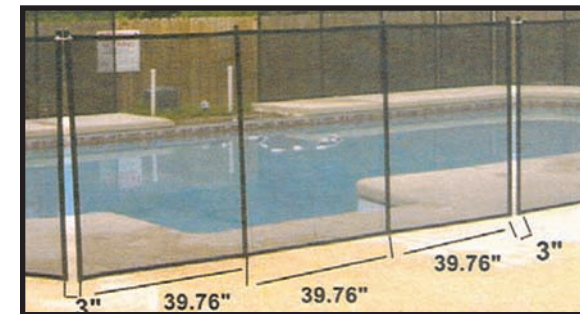
This can be done by placing two panels at a right angle and angling the posts away from each other at 5 degrees.

Make any adjustments **before** drilling holes.

5. **Clean any debris out of the drilled post holes; then install the plastic post sleeves and the first panel.**

Note: *DO NOT HAMMER THE SLEEVES.* If they do not install easily, try drilling the hole again.

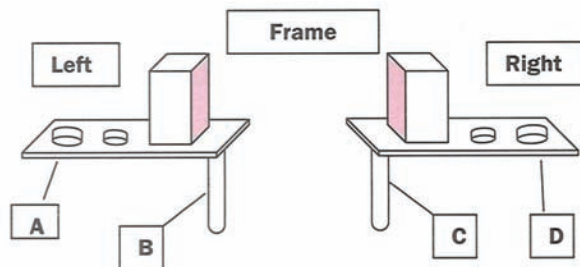
6. **Use the two closest holes on the template to mark the distance between the next panels, allowing three inches on center.**



7. Repeat steps 3 through 6 up to the location where the gate is to be installed.

8. Drill the holes for the gate.

- A. The gate is installed between two sections of fence.
- B. Gate needs to be installed along a straight run of fencing (not around a curve)
- C. The gate has been notched by the hinges and can be hung from left or right side, simply by rotating the gate 180 degrees.
- D. Gate should be hung so material is on the outside of gate, and gate always swings out.
- E. Gate posts are installed per below illustration



- F. First hole for left gate post is the same as last hole for fence pole (point A)
- G. Mark first hole for left gate post (point B) 5-1/2" from last hole of fence (point A) along same line as fence.
- H. Mark next hole for right gate post (point C) 36" from left gate post (point B)
- I. Mark second hole (point D) 5-1/2" from right gate post hole (point C). Hole (point D) will also contain fence pole of connecting fence section.
- J. When drilling holes A and D for fence, drill plum and level with deck.

K. Drill holes for left and right gate posts (B and C) angling towards each other 4 degrees.



L. Continuing installing fence, attach fence to sides of gateposts with hook and eyes supplied



9. Repeat steps 3 through 6 until all holes are drilled and all panels are installed.



10. In the event that custom panel sizes are needed, use the following process.

(It is recommended to locate custom panels at the back of the pool, away from the gates or access points).

- a. Find the desired width.
- b. Cut the fabric of a standard panel to be at least 4” wider than the desired width.
- c. Find an unused post and detach the trim using a screw driver with a 1/4” hex head bit.
- d. Mark the desired width with chalk.
- e. Fold the fabric back leaving it 1/2” longer than marked and fasten it back to the post along the chalk line.

Note: *Make sure that the fabric is between the trim and the post.*

- f. Once the proper width is achieved, trim off the excess material from the post and melt any frayed edges.



11. After all the hole have been drilled and all panels have been installed, attach the safety hooks and eyes.

- a. First, remove the top screw with a screwdriver and 1/4” hex head bit.
- b. Then screw the hook in one hole and the eye in the corresponding hole on the adjacent panel.

The screwdriver can be slipped through the eye and turned for additional leverage during installation .



Note: *Be sure not to over tighten because eyes will break under too much torque.*

Note: *When the panel attaches to a structure it may be necessary to install two hooks on the panel and an eye on the structure.*

12. Install post caps using an all purpose glue or PVC cement.

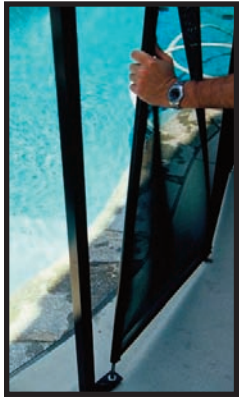
- a. Place a few drops of glue on the inside of the caps and slide the cap into place on the post.
- b. When in place twist the caps half a turn to ensure the glue is spread evenly.

13. When everything is assembled and the arrangement of the fence is acceptable, remove the panels and the sleeves.

Use a concrete epoxy to secure the sleeves in the drilled holes.

Note: *Be sure not to get epoxy inside the sleeves and clean up any excess on the pool deck with acetone.*

14. Complete the installation of the gate.

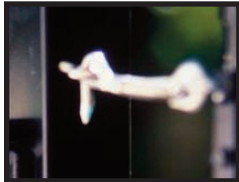


- A. Once fence panels have been installed and tension applied, hang gate by attaching hinges to frame with the self-tapping screws supplied.



Note: Hinges should be attached with tension adjustment facing up and the ridge flat against gate frame.

- B. Attach frame to posts. Frame should be hung level with top of fence.



- C. Attach latch and strike to frame. Follow directions on latch packaging. For 4' fence, top of latch should be 54" from the ground. For 5' fence top of latch should be 60" from ground.

- D. Adjust tension on gate by turning eye closer or further away from fence.
- E. Large washers are supplied to shim the gate if necessary. Shims are installed underneath the gate flange and through stainless steel rods.
- F. Use center hole to bolt gate into position (recommended for safety). To do this, drill 1/2" hole and tap anchor into place (hardware included), then slip (small) washer onto bolt and through gate flange. Turn until tight and the gate is level.

- G. Continue to adjust tension if necessary with shims.



WARNING

THERE IS NO SUBSTITUTE FOR COMPETENT ADULT SUPERVISION IN THE SWIMMING POOL ENVIRONMENT! LIVES DEPEND ON YOU!

- Always** keep the gate closed and fence panels fastened.
- It is **always** recommended to watch children at all times.
- The use of this safety fence can help reduce the unauthorized use of a swimming pool, but does not guarantee against access to the pool and is not a substitute for adult supervision.
- Check with local building codes to be sure you are in compliance with fencing laws.

The Protect-a-Pool® Inground Removable Safety Fence is designed to meet the ANSI/NSPI 1996 Model Barrier Code for Above ground/Inground swimming pools. The Protect-a-Pool® fence is not designed as a handrail for decking and does not meet handrail codes.