

GlideRite™ Retractable Cover System

For HotSpring® & Tiger River® Spas (except Classic® & pre-2000 Landmark® Spas)

List of Contents

Quantity	Description
12	#10 x 1 1/2" Flat Head Phillips Screw (see pg. 2)
2	#10 x 1/2" Pan Head Phillips Screw (see pg. 2)
8	1/4" x 2 1/2" Lag Bolt (see pg. 2)
7	1/4" - 20 x 5/8" Hex Head Bolt (see pg. 2)
1	1/4" - 20 x 1" Hex Head Bolt with yellow locking threads (see pg. 2)
8	1/4" x 5/8" Stainless Steel (SS) Washer (see pg. 2)
8	1/4" x 1" Stainless Steel (SS) Fender Washer (see pg. 2)
1	1/4" Plastic Washer (see pg. 2)
2	Thick Side Hinge with screw (see pg. 2)
1	Thin Side Hinge with screw (see pg. 2)
1	Bearing (see pg. 2)
1	Slide Lock Bar (see Figure 3 below)
1	1 1/4" x 1 1/4" x 48" Long Tube (see Figure 1 below)
2	1" x 1" Corner Tube with 2 nut inserts, 1 Pivot Collar with screw, & 1 Rubber Bump Stop (left & right) (see Figure 1 below)
2	1" x 1" Side Arm with 2 nut inserts and plastic end fitting
2	1 1/4" x 1 1/4" x 21" Slot Tube (see Figure 1 below)
2	1" x 1" Base Tube with plastic fitting (left & right) (see Figure 2 below)
1	Warranty Sheet
1	Instruction Sheet
1	Label "Close from other side"
1	Label "Lift Slide Lock Bar to close"

Tools Required

- Slot Screwdriver
- Phillips Screwdriver
- Tape Measure
- Pencil
- 7/16" Wrench
- Drill
- 1/8" Drill Bit
- 7/64" Drill Bit
- 3/16" Drill Bit
- Socket Wrench
- 7/16" Socket

IMPORTANT: Use the illustrations below and on the following page to identify the contents of this box.

Figure 1

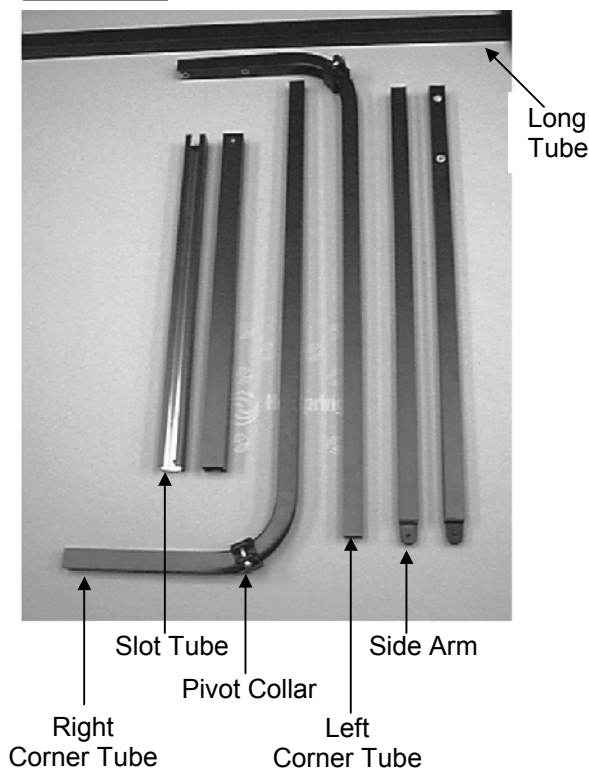


Figure 2



Figure 3

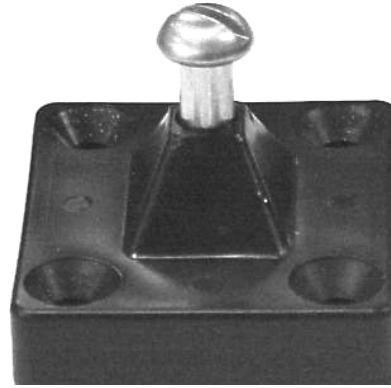


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Thick Side Hinge with Screw

There are 2 of these brackets; both of them are attached to the side of the spa cover.



Thin Side Hinge with Screw

This bracket is attached to the spa side panel and used with the Slide Lock Bar.

1/4" Plastic Washer

This washer is placed onto the center screw on the Side Hinge Bracket in front of the Slide Lock Bar.



1/4" x 5/8" (SS) Washer

The 8 washers are used with the 8 Lag Bolts.



#10 x 1 1/2" Flat Head Screw

The 12 screws are used to fasten the three Side Hinges



1/4" - 20 x 5/8" Hex Head Bolt

The 7 bolts are used to fasten the Slot Tubes to the Side Arms and the Corner Tubes.



1/4" x 2 1/2" Lag Bolt

The 8 bolts are used with washers to fasten the left and right Base Tubes.



1/4" x 1" (SS) Fender Washer

The 8 washers are used with the 7 1/4" - 20 x 5/8" Hex Head Bolts & one 1/4" - 20 x 1" Hex Head Bolt.



1/4" - 20 x 1" Hex Head Bolt

This bolt is used to fasten the Slide Lock Bar to the Side Arm.



#10 x 1/2" Pan Head Phillips Screw

The 2 screws are used to hold the Corner Tube to the Long Tube.



Bearing

This bearing is placed over the 1/4" - 20 x 1" Hex Head Bolt.

NOTE: Hardware illustrated on this page is to scale.

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Step #1 Locate Plate Under Spa Cover



- Find the aluminum plate located beneath the vinyl encasement.
- Use your fingers to locate the two pre-drilled holes in the aluminum plate as illustrated by the two dimples.
- Use a pointed instrument to mark a pilot hole in the center of each dimple.
- Repeat this process on the other side of the cover.



IMPORTANT: The Warning Label on the spa cover must be facing the front of the spa.

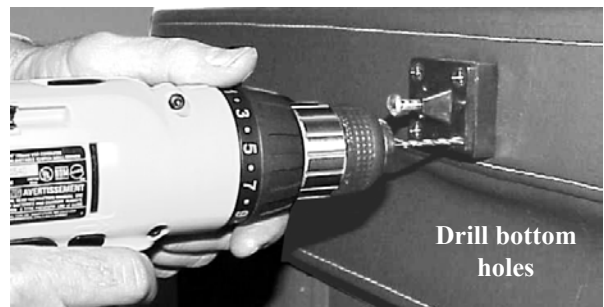
Step #2 Attach Thick Side Hinge to Cover

Hardware required:

- 8 - #10 x 1 ½" Flat Head Screw 
- 2 - Side Hinge Bracket 
- Drill with a 1/8" bit
- Phillips Screwdriver



- Align the **upper holes** of the Thick Side Hinge to the 2 pilot holes on the right side of the cover (created in step #1).
- Using the 2 upper holes, fasten the Thick Side Hinge with 2 of the #10 x 1 ½" Flat Head Screws as illustrated above.
- Using a 1/8" drill bit, drill through the center of the 2 bottom holes as seen in the right illustration (drill through the aluminum plate).
- Insert the two #10 x 1 ½" Flat Head Screws into the lower holes of the Thick Side Hinge and tighten.
- Repeat this process on the other side of the cover.



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Step #3 Attach Base Tubes to Spa Baseboard

Hardware required:

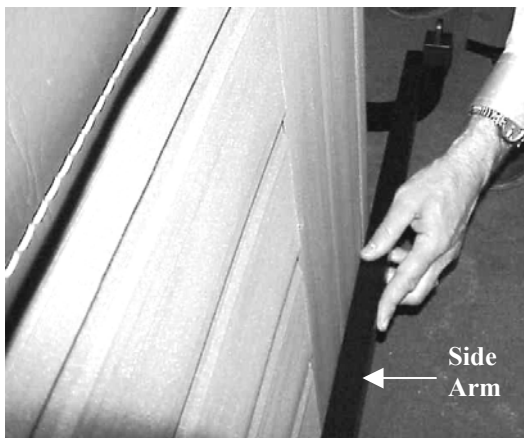
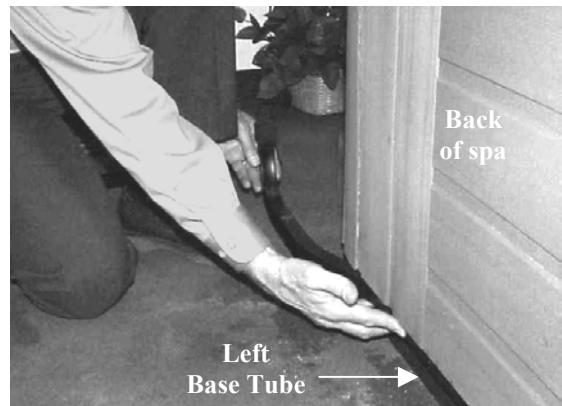
- 1 - Right Base Tube
- 1 - Left Base Tube
- Note: red sticker “R” is right Base Tube and green sticker “L” is left Base Tube.**
- Drill with a 3/16” bit
- 7/16” Socket and Socket Wrench



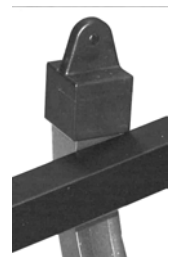
- 8 - 1/4” x 2 1/2” Lag Bolt 
- 8 - 1/4” x 5/8” (Stainless Steel) Washer 
- 1 - Side Arm (used only as a spacer to position the Base Tube) (see Figure 1)

Note: Determine right and left by standing behind the spa (face the spa).

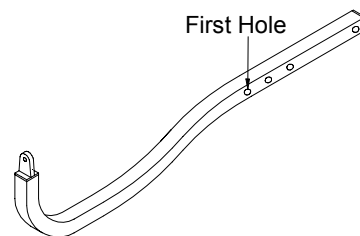
- A. Hold the left Base Tube under the spa cabinet overhang and against the spa baseboard (right illustration) on the backside of the spa. The end of the plastic fitting on the Base Tube will extend to the left, rearward, and up.
- B. Using the Side Arm as a spacer, slide the



Side Arm along the side of the spa (left illustration) until it is below the plastic fitting of the Base Tube (right illustration). Move the Base Tube until it touches the Side Arm.



- C. Hold the Base Tube in position, remove and set aside the Side Arm.
- D. Drill a pilot hole (3/16”) into the spa baseboard using the first hole in the Base Tube nearest the plastic end fitting as a template.
- E. Secure the Base Tube with one 1/4” x 2 1/2” Lag Bolt and one 1/4” x 5/8” (SS) Washer.
- F. Check the alignment by placing the Side Arm in its “spacer” position once again. The Base Tube and Side Arm should be touching.
- G. Pre-drill and secure the next 3 holes in the Base Tube.
- H. Repeat the entire process for the right Base Tube.






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Step #4 Long Tube to Corner Tube Preassembly

Hardware required:

- Long Tube 
- Left Corner Tube 
- Right Corner Tube 




- A. Place the Long Tube on the ground parallel to the back of the spa. The two pre-drilled holes and the Serial No. Label should be facing upwards.
- B. Place the Corner Tubes at each end of the Long Tube making sure right and left are in their proper position. The long leg of the Corner Tube should be facing towards the Long Tube with the short leg pointing upwards.
- C. Insert each Corner Tube into the ends of the Long Tube as illustrated below.



Note: The entire assembly should be extended slightly beyond the sides of the spa.

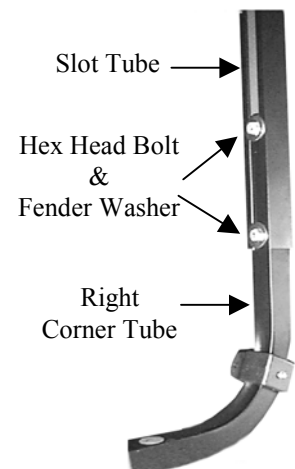
Step #5 Attach Slot Tube to Corner Tube Assembly

Hardware required:

- 2 - Slot Tube 
- 4 - 1/4" – 20 x 5/8" Hex Head Bolt 
- 4 - 1/4" x 1" (SS) Fender Washer 
- 7/16" wrench



- A. Thread two 1/4" – 20 x 5/8" Hex Head Bolts by hand into the nut inserts in the right Corner Tube (used in previous step) leaving a 1/8" gap between the washers and the Corner Tube.
- B. Slide one Slot Tube over the short leg of the right Corner Tube such that the slotted side passes under both of the Fender Washers as illustrated.
- C. The lower end of the Slot Tube should line up with the end of the bottom washer closest to the bend in the Corner Tube (right illustration).
- D. Tighten the two Hex Head Bolts.
- E. Repeat the process for the other side.



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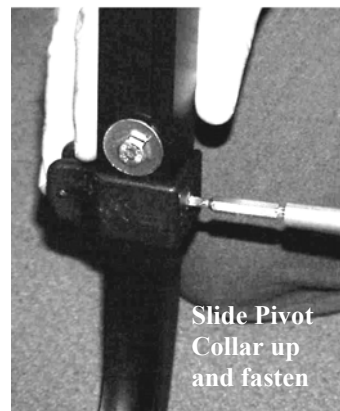
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Step #6 Attach Long Tube Assembly to Base Tube

Hardware required:

- Slot Screwdriver

A. The Pivot Collar is located at the bend of the Corner Tube and requires repositioning. Slide the Pivot Collar up against the Slot Tube as illustrated.

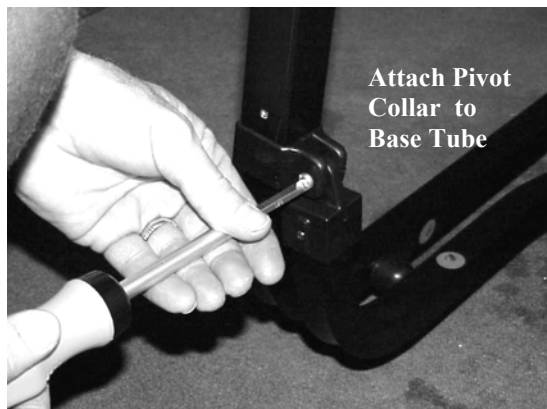


B. Tighten the set screw to secure (do not overtighten to avoid stripping the nylon threads).

C. Repeat the process for the other Pivot Collar.

D. Remove the single screw attached to the pivot location of the Pivot Collar.

E. Attach the pivot location of the collar to the end fitting of the Base Tube by reinstalling the single screw through the collar and the Base Tube fitting (as illustrated) and tighten. Verify set screw on end fitting of Base Tube is tight.



DO NOT OVERTIGHTEN!

F. Repeat “D” and “E” for the Pivot Collar on the other side.

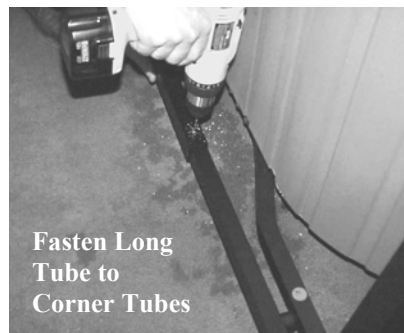
Step #7 Fasten Long Tube to Corner Tubes

Hardware required:

- 2 – #10 x 1/2” Pan Head Screw
- Drill with a 1/8” bit
- Phillips Screwdriver



A. Slide the Long Tube in either direction to center between the two Corner Tubes.



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- B. Using the holes located at each end of the Long Tube as a template, drill 1/8" holes into each Corner Tube as illustrated above.
- C. Secure the Long Tube to the Corner Tubes using the two #10 x 1/2" Pan Head Screws.

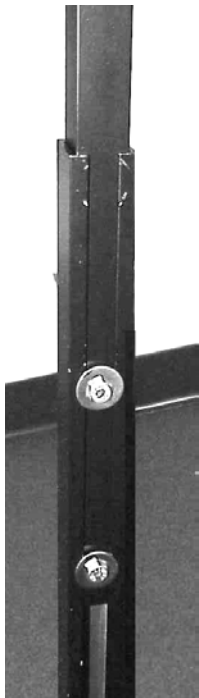
Step #8 Attach Side Arms to Slot Tubes

Hardware required:

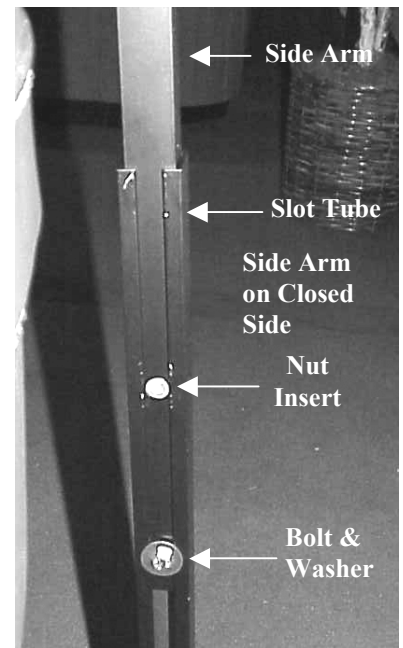
- 2 – Side Arm
- 3 - 1/4" – 20 x 5/8" Hex Head Bolt
- 3 - 1/4" x 1" (SS) Fender Washer
- 7/16" wrench



Determine which side of the spa will be used to open and close the spa cover.



- A. Thread one 1/4" – 20 x 5/8" Hex Head Bolt with one 1/4" x 1" (SS) Fender Washer into each of the nut inserts of one Side Arm (2 total) allowing 1/8" space between the washer and the Side Arm
- B. Thread one 1/4" – 20 x 5/8" Hex Head Bolt with one 1/4" x 1" (SS) Fender Washer into the nut insert nearest the open end of the other Side Arm allowing 1/8" space between the washer and the Side Arm
- C. Take the Side Arm with only one bolt and washer to the side of the spa where the spa cover will be opened and closed. Slide the Side Arm into the Slot Tube past the empty nut insert (right illustration) then hand tighten the single bolt.
- D. Take the other Side Arm and slide it into the Slot Tube on the other side of the spa past the second bolt (left illustration) and hand tighten the two bolts.



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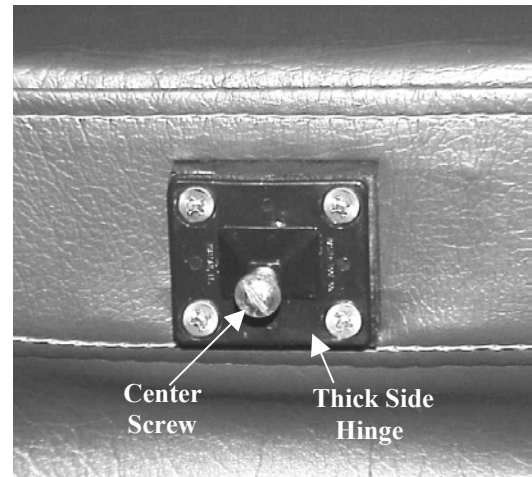
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Step #9 Attach Side Arms to Side Hinge (Cover)

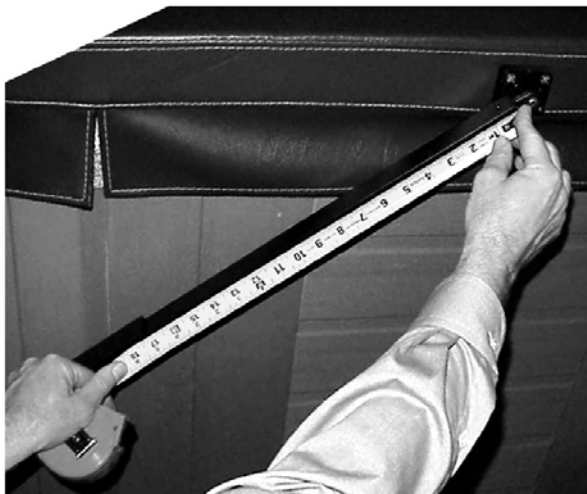
Hardware required:

- Tape Measure
- Slot Screwdriver
- 7/16" Wrench

Before attaching the Side Arms to the cover make sure the cover is square to the spa ensuring the best possible fit. Proper alignment of the cover is critical for the following step. Adjust if necessary.



- A. Remove the Center Screw from Thick Side Hinge on both sides of the cover (see illustration above).
- B. Rotate the entire Side Arm assembly forward (the assembly will pivot on the Base Tube).
- C. Insert the Center Screw through the eye of the Side Arm and hand tighten into the Thick Side Hinge (right illustration).
- D. Repeat this process for the other side.










- E. Using a tape measure, measure the distance from the end of the Side Arm to the end of the Slot Tube (left illustration).
- F. Repeat step "E" on other side and compare the distances.
- G. Adjust until the distances are the same for both sides (it may be necessary to move the cover slightly to make that adjustment).

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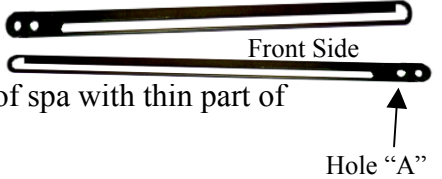


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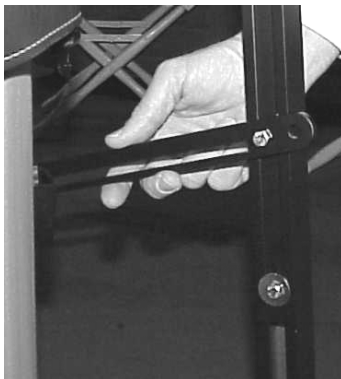
- H. Using the 7/16” wrench, tighten the single Hex Head Bolt attached to the Side Arm on the cover closing side and the two Hex Head Bolts attached to the Side Arm on the other side (these bolts were installed during step 8 “A & B”).

Step #10 Install Slide Lock Bar

<u>Hardware required</u>	
➤ Slide Lock Bar	
➤ 1 - 1/4” - 20 x 1” Hex Head Bolt	
➤ 1 - 1/4” x 1” (SS) Fender Washer	
➤ 7/16” Wrench	
➤ Thin Side Hinge with Screw	
➤ Phillips Screwdriver	
➤ 1- Bearing	
➤ 1- 1/4” Plastic Washer	
➤ Drill with 7/64” bit	
➤ 4 - #10 x 1 1/2” Flat Head Screw	

IMPORTANT: This is a safety feature and must be not be omitted from the installation!

- A. Hold the Slide Lock Bar as illustrated for right side installation. Hold the Slide Lock Bar as illustrated for left side installation.  **NOTE:** Holes in Slide Lock Bar will always be near back side of spa with thin part of bar on the bottom.
- B. Place the Bearing over the 1” Hex Head Bolt. 
- C. Place the Bolt and Bearing in hole “A” from the backside of the Slide Lock Bar with the threads facing you.
- D. Place the 1” Fender Washer over the threads in front of the Slide Lock Bar.
- E. Remove the Center Screw holding the Side Arm to the Thick Side Hinge (right illustration). Repeat process on other side. 
- F. Pivot the Side Arm assembly until the Side Arm is in a vertical position.
- G. Thread the bolt with Slide lock Bar into the only remaining nut insert on the Side Arm and tighten (left illustration). This Side Arm is located on the cover closing side.
- H. Lower the Side Arm assembly (hold the non attached side of the



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Slide Lock Bar up when lowering to prevent damage).

- I. Thread the Center Screw holding the Side Arm to the cover as seen in the right illustration above and tighten. Repeat step “I” for the other side.
- J. Remove the Center Screw from the Thin Side Hinge Bracket.
- K. Place the Center Screw through the ¼” Plastic Washer.



Step #10 Install Slide Lock Bar – Continued

- L. Place the Center Screw with Plastic Washer through the cut-out of the Slide Lock Bar and fasten to the Thin Side Hinge (upper right illustration) hand tighten only.



- M. Fold the cover in half exposing the front half of the spa. Pivot the entire cover and assembly until it comes to rest as seen in the left illustration.

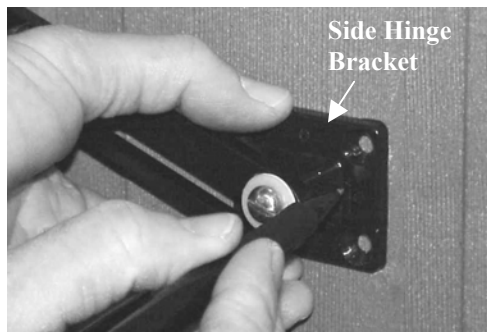


- N. Move Thin Side Hinge to the end of the Slide Lock Bar until bar drops and the Center Screw on the bracket locks into the large hole.



- O. Position the Thin Side Hinge (right illustration).

NOTE: The Thin Side Hinge must lay flat and never straddle a wood seam. Because of wood seams, the required position of the Thin Side Hinge **may never be higher than the horizontal position when cover is closed.**



- P. Mark holes using Thin Side Hinge as a template.

- Q. Drill upper right hole using 7/64” bit.

- R. Remove Center Screw from Thin Side Hinge.
- S. Place ¼” Spacer behind Thin Side Hinge and fasten bracket and Spacer with one #10 x 1 ½” Flat Head Screw.

- T. Drill remaining holes and secure Thin Side Hinge and ¼” Spacer with the 3 remaining #10 x 1 ½” Flat Head Screws.

- U. Re-attach Slide Lock Bar to

Thin Side Hinge using the Center Screw and ¼” Plastic Washer and tighten.

- V. Test to be sure the Slide Lock Bar moves freely and locks each time the cover is opened. **To close the cover, always lift the Slide Lock Bar first, then move the cover forward.**

- W. Locate Side Arm opposite the Slide lock Bar, place the “Close from other side” label on the upper portion (near plastic end fitting) facing away from spa. Locate Side Arm with Slide Lock Bar, place



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the “Lift Slide Lock Bar to Close” label on the upper portion (near plastic end fitting) facing away from spa.

*Your GlideRite system is now operational. Be sure to lock your cover before leaving spa unattended.
WARNING: Failure to lift Slide Lock Bar prior to closing can damage System!*