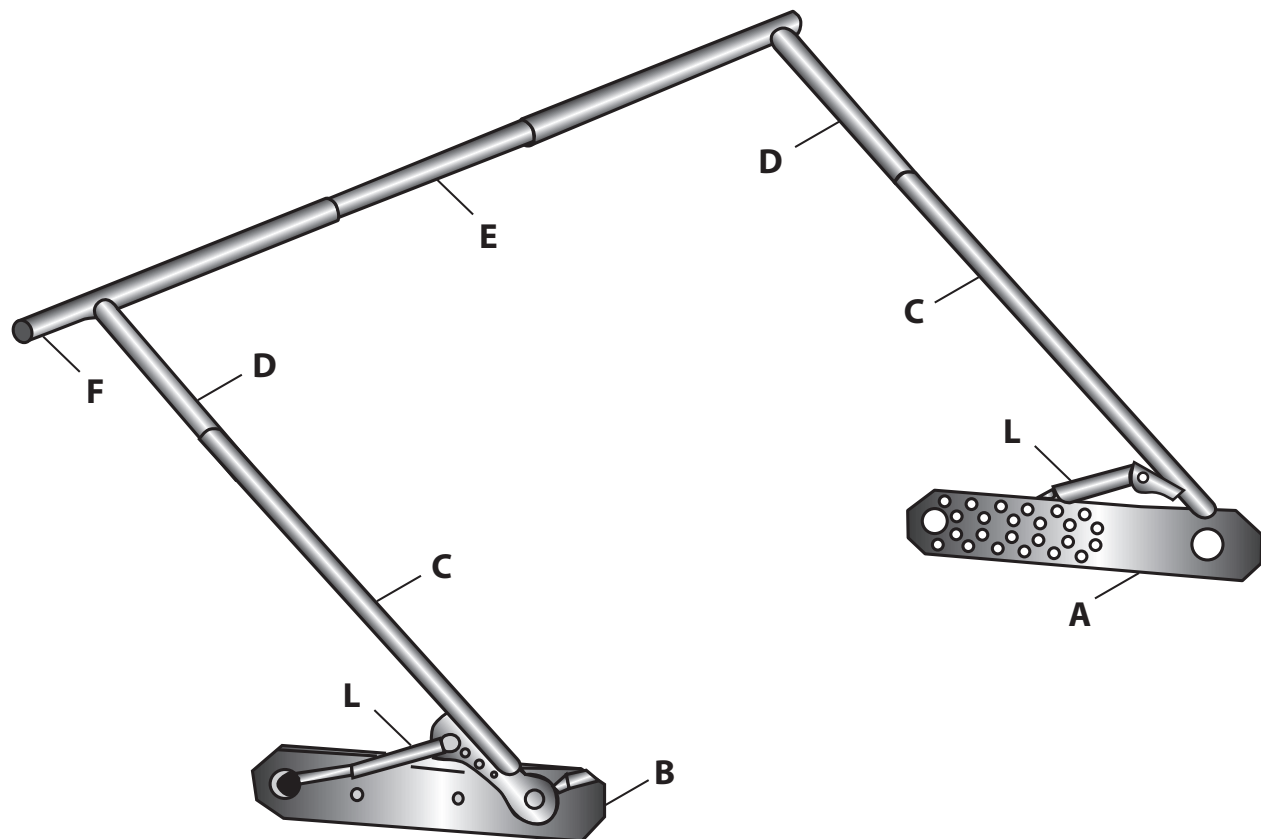


SPA EASE 200 INSTALLATION INSTRUCTIONS

SpaEase™ Hot Tub Cover Lifter



IMPORTANT – FOR SWIM SPAS ONLY

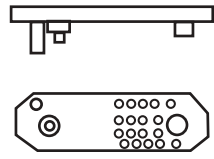
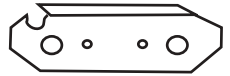
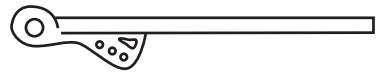
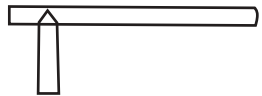














Installing the SpaEase 200 on Swim Spas that include multiple covers is no different than a traditional hot tub with a few small changes. In Step 4 (“Positioning Cover on Spa”) include all covers of the Swim Spa in their presumed final position. Make certain that all covers are pushed firmly together. Select either side to install the first lifter. When first is complete, put it in the down position and reposition the second cover, again firmly against the first cover, and then install second cover.

NOTE: The SpaEase 200 can be easily converted to a VacuSeal Cover & Lifter System with the purchase of a VacuSeal Conversion Kit (VCK) and a VacuSeal Cover.




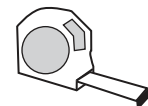


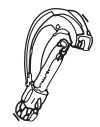
Hot Tub Products

2 Toelles Road, Suite 13, Wallingford CT 06492
Phone: 860-469-2580 Fax: 203-651-1461
www.HotTubProducts.com

PARTS LIST

- | | | | |
|---|---|--|---|
| A – Mounting Bracket (2) L/R PART #VS128 |  | B – Cover Plate (2) L/R PART #VS133 |  |
| C – Swing Arm (2) PART #VS129 |  | D – Crossover Bar (2) PART #VS130 |  |
| E – Extension Tube (1) PART #VS135 |  | F – Handle Bar (1) PART #VS137 |  |
| G – Foam Grip (1) PART #VS110 |  | H – Plastic Plug (1) PART #VS119 |  |
| I – Black Fender Washer (2) PART #VS 140 |  | J – Lock Washer (2) PART #VS125 |  |
| K – Ball Studs 5/16" – 18 (4) PART #VS116 |  | L – Gas Springs (2) PART #VS115 |  |
| M – Hex Bolts 5/16" – 18 x .375 (2) PART #124 |  | N – Nylon lock nuts 5/16"-18 (2) PART #VS123 |  |
| O – Wood Screws #12 x 2" (28) PART #VS120 |  | P – Self Taping Screws # 10 x 5/8" (16) PART #VS113 |  |
| Q – Machine Screws #10 – 32 x 1/2" (4) PART #VS114 |  | R – Screw Caps (30) (2-Lg, 12-Sm) PART #VS111, VS118, VS117 | |
| S – Rubber Safety Stop (2) | | T – Teflon Washers (4) |  |

TOOLS REQUIRED (*POSSIBLY REQUIRED)

- | | | | | | | |
|---|---|---|---|--|---|---|
|  |  |  |  |  |  |  |
| Screw Gun | Wrenches 1/2" & 7/16" | Drill Bit 9/64" & 1/8" | Tape Measure | #2 & #3 Phillips | Hand Saw* | Tube Cutter* |

IMPORTANT: Please fill out warranty card and mail in, in order for warranty to be valid.

CAUTION! Do not use the SpaEase in high wind conditions. Injury from the spa cover being blown over and impacting the spa user can occur.

SPA EASE INSTALLATION INSTRUCTIONS

Step 1 – DETERMINING IF THERE ARE ANY INSTALLATION CONCERNS

A – SPAS NOT SUITABLE FOR INSTALLATION

1. Round spas or those with a corner radius of 15" or larger. To determine the radius see Figure 1.
2. Spas flush mounted into the ground or deck are not suitable. A minimum 4" clearance is required for installation of the mounting bracket on the cabinet wall just below the coping of the spa shell (See Fig 4).

SPAS WITH A RADIUS ABOVE 10"

If your spa has a radius corner of 11" to 14" you should use the Extended Bracket Kit (EBK) which supports large radius spas. This Extended Bracket Kit includes 2 brackets that add support to the primary Mounting Brackets. The Extended Bracket Kit comes in an independent package separate from the SpaEase 200 Lifter and includes a separate and simple installation addendum.

B – CLEARANCE REQUIREMENTS

1. The SpaEase 200 requires a 7" clearance at the rear of the spa on the side the cover opens to (See fig 2).
2. If the furthest point of the spa (either the shell coping or the top rail) extends more than 1 1/4" from the face of the cabinet where the Mounting Bracket is to be mounted (see fig 3) then you must install a wood spacer behind the Mounting Bracket to keep it within 1 1/4".

C – CHECKING FOR ADEQUATE SUPPORT

The Mounting Bracket requires a wood framing material that is at least 1 1/2" thick for secure attachment. Most spas have a 2" x 2" horizontal wood interior frame at the top of the cabinet which is adequate for attachment. If you are not certain what is behind the cabinet panel where the mounting brackets are to be installed, remove cabinet panels and hold the Mounting Bracket in its intended position for installation. Make certain there are a minimum of 8 holes with material to adhere to (more is always better). If the interior frame does not have adequate structure for attachment then you need to secure a wood structure (recommend a 2" x 4" stud) to the existing cabinet frame.

D – FLAT SURFACE FOR MOUNTING THE BRACKET

The Mounting Bracket **A** must sit flush against the cabinet wall. If your spa has a trim strip, it must be removed, cut, and replaced. For removal of trim strip first hold the Mounting Bracket in its intended place, flush under spa coping (or top rail if any), then pencil mark trim strip, remove, cut at mark, and then replace after Mounting Bracket is installed.

As a second option to removing the trim strip is to add a spacer alongside the trim strip leveling out the area the bracket is intended to be installed on.

Figure 1

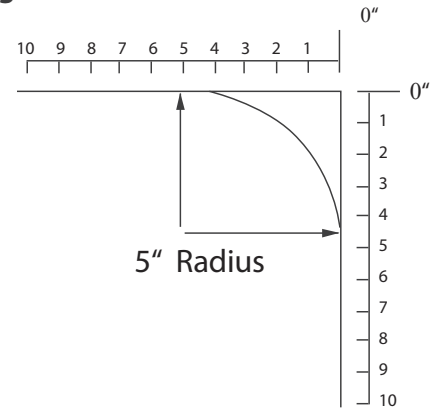


Figure 2

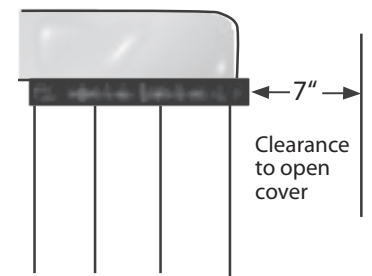
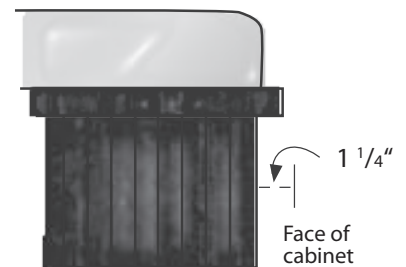
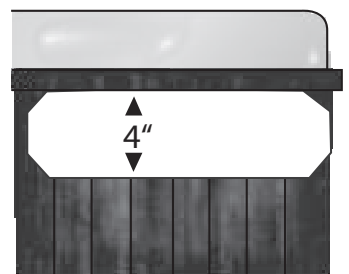


Figure 3



If more than 1 1/4" add spacer

Figure 4



PLEASE FOLLOW STEPS IN THE PROPER SEQUENCE

Step 2 – Attach “Mounting Bracket”

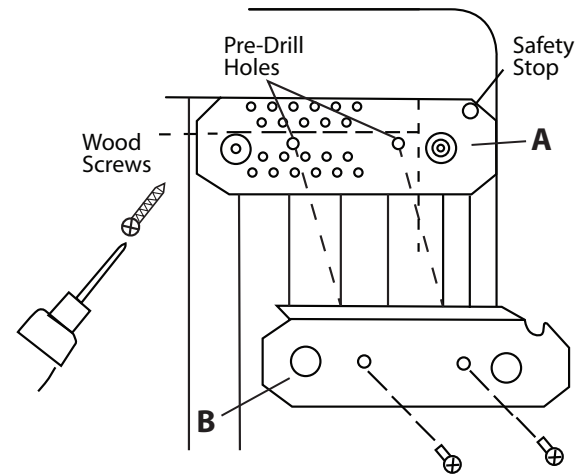
Position the Mounting Bracket **A** flush with the back coping of the spa shell. Make certain to use the Mounting Bracket that positions the “Safety Stop” at the rear of the spa (See Fig 5). Hold Mounting Bracket at this position and pre-drill into 2 of the holes using the 9/64” drill bit and then secure the Mounting Bracket with the Wood Screws **U** with a #3 Phillips head bit (See fig 5). Repeat this procedure so that you have a minimum of 8 screws securing the Mounting Bracket to the cabinet, though more is always better.

NOTE: Pre-drilling the holes is important to prevent splitting of the wood interior. Be sure not to pre-drill more than 2” deep so as to prevent internal damage.

Step 3 – Install “Cover Plate”

Position Cover Plate **B** over the Mounting Bracket and with a #2 Phillips head bit secure the Machine Screws **W** into the 2 center holes (See Fig 5).

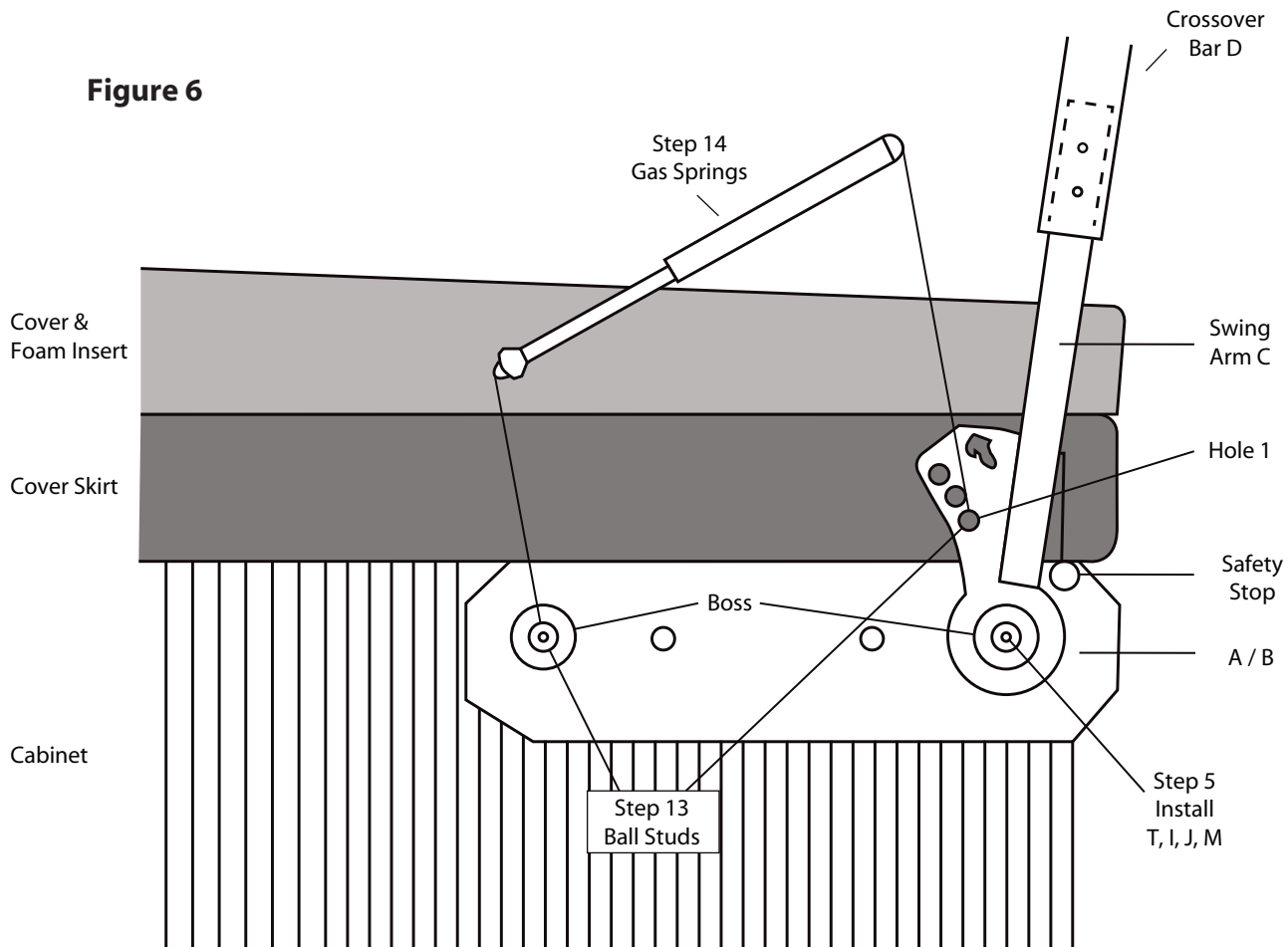
Figure 5



Position Mounting Bracket
Flush with Spa Coping

REPEAT STEPS 2-3 ON THE OTHER SIDE

Figure 6



Step 4 – Position Cover on Spa

Position the spa cover evenly on all 4 corners of the spa.

Step 5 – Install “Swing Arm”

Place one Teflon Washer **T** over the “Boss” closest to the rear of the spa and below the “Safety Stop”. Then Position the Swing Arm **C** on the Boss. Make certain the extended portion of the Swing Arm is positioned towards the interior of the spa (See Fig 6).

Over the Swing Arm, position the second Teflon Washer **T**, then the Machined Washer **I**, then the Locking Washer **J**, and then screw in the 5/16 Hex Bolt **M**. Tighten securely so that the Lock Washer is compressed (See Fig 6).

Machine Washer **I**



Locking Washer **J**



Hex Bolt **M**

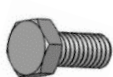
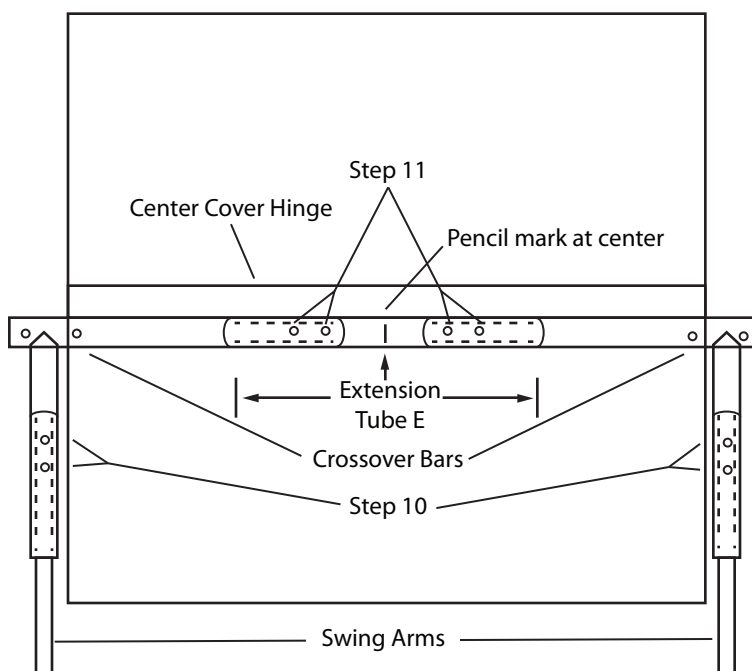


Figure 7



Step 6 – Position “Crossover Bar”

Slide the shorter side of the Crossover Bar over the Swing Arm at a point where the longer side of the Crossover Bar lies along the hinge of the Cover. Do not secure the Crossover Bar to the Swing Arm at this time (See Figure 7).

IMPORTANT NOTE:

If the length of the cover on the side you are installing the swing arm is less than 78” then you may need to cut the Swing Arm using a tube cutter. If cutting is required make certain to measure and allow approximately 4” of Swing Arm to pass into the Crossover Bar so that the Swing Arm is visible through each of the pre-drilled holes in the Crossover Bar.

Step 7 – Position “Extension Tube”

Put a pencil mark at the center of the Extension Tube **E** and slide it partially into the previously installed Crossover Bar leaving it unattached. The pencil mark will assist you later in positioning the Extension Tube equally between both sides (See Fig 7).

Step 8 – Position 2nd “Crossover Bar”

Slide the 2nd Crossover Bar into the other side of the Extension Tube making certain that the pencil mark on the Extension Tube is centered between each Crossover Bar (See Fig 7). Again continue to leave all parts unsecured at this time.

Step 9 – Install 2nd “Swing Arm”

Slide the 2nd Swing Arm into the short side of the 2nd Crossover Bar until the Swing Arm is positioned over the Boss on the Mounting Bracket. Secure the Swing Arm on the Boss just as it was done on the 1st Swing Arm in Step 5. Again be sure to tighten the 5/16 Hex Bolt well enough to compress the Lock Washer (See Fig 6).

Step 10 – Secure Crossover Bars to Swing Arms

IMPORTANT: Make certain the Cover is perfectly square on the spa by checking all 4 corners. Then make certain the Crossover Bars are positioned evenly with the hinge of the cover. Then using the 1/8" drill bit pre-drill into the holes of the Crossover Bar and then secure the Crossover Bar to the Swing Arms using the Self Taping Screws **P** (See Fig 7).

REPEAT ON THE OTHER SIDE

Step 11 – Secure Crossover Bars to Extension Tube

Make certain the Swing Arms are parallel to the cabinet with an even space on both sides of the cover. Then using a 1/8" bit drill holes into the pre-existing holes on the long sides of each Crossover Bar making certain the Extension Tube is visible, then install with Self Taping Screws **P** (See Fig 7).

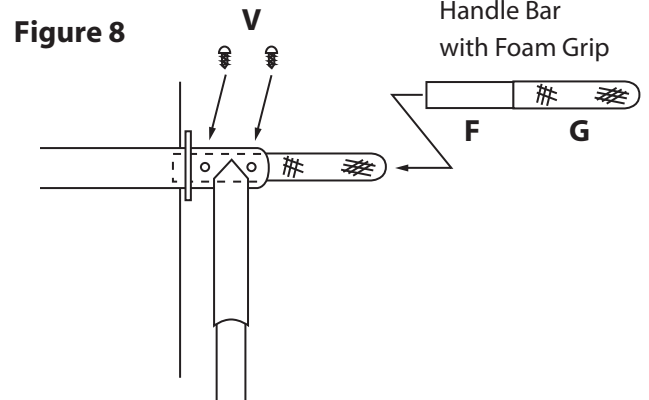
IMPORTANT:

Be sure to place some sort of material (ply score, plastic, etc.) to protect the cover while you are installing the screws. Damage to cover during installation is not covered in the warranty.

Step 12 – Installing the Handle

If not pre-installed, fit the Foam Handle Grip **G** into the Handle Bar **F** as far as it will go. Then determine which side you want to have the Handle installed and slide it fully into the Crossover Bar on that side (See Fig 8).

If you later change your mind on which side to install the Handle, no problem, it can easily be detached and installed on the opposite side or you can order an additional handle to have one on each side.



Step 13 – Install “Ball Studs”

With the Cover in the closed position, hand screw one of the Ball Studs **K** onto the open Boss on the Mounting Bracket and then secure with wrench.

Then install the second Ball Stud through Hole 1 on the Swing Arm and secure it with a Nylon Lock Nut **N** utilizing 2 wrenches. (See Fig 6)

NOTE: The additional holes allow for adjustment later if required.

REPEAT ON THE OTHER SIDE

Step 14 – Install Gas Springs

Install the narrow barrel of the Gas Spring into the open Ball Stud on the Mounting Bracket.

REPEAT ON THE OTHER SIDE

Place a cloth over the Safety Stop on both sides to protect it from scratching the Swing Arm and then raise the cover into an open position (this will require effort since the gas shocks have not been installed). Then on both sides install the large barrel of each Gas Spring onto the Ball Stud on the Swing Arm (See Fig 6).

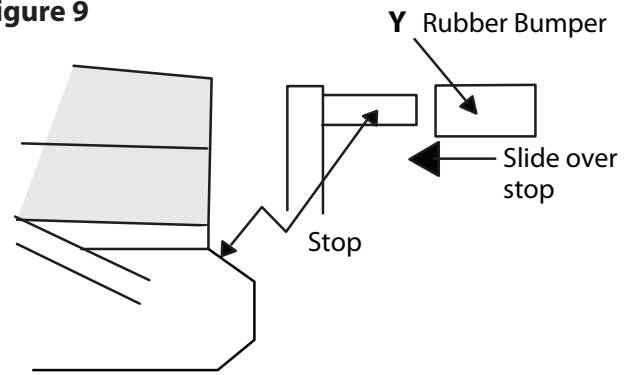
Gas Springs should snap onto the Ball Studs.

Step 15 – Install Rubber Sleeve onto Safety Stop

Close the cover and slide the Rubber Sleeve Y onto the Safety Stop at the rear of the Mounting Bracket (See Fig 9).

Then raise Cover to ensure that Swing Arm touches the Rubber Sleeve. If not, move Ball Stud on Swing Arm to a lower hole. Each hole also slightly changes the position of the Cover when open.

Figure 9

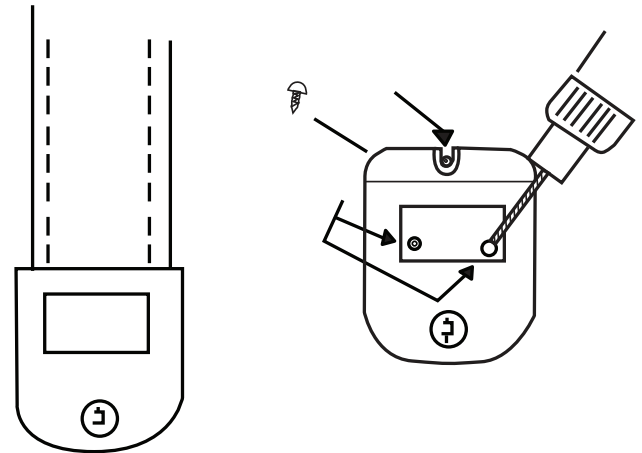


Step 16 – Install “Plastic Covers”

Install all Small Plastic Covers R on all the Self Taping Screws and the 2 Large Plastic Covers R on the Swing Arm bolts.

Install Plastic Plug H into the side of the Crossover Bar that does not have the Handle.

Figure 10



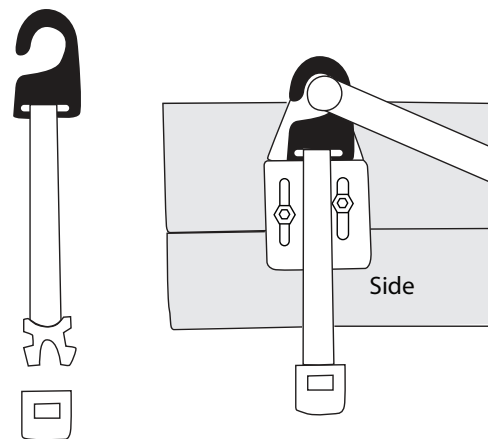
Step 17 – Install Locking Straps

Extend the strap on the Cover with the lock mechanism attached. Once you have positioned the lock on the cabinet to its most extended position, remove the male portion that includes the strap and secure the female portion with the supplied screws (see Fig 10).

Optional Cover Lifter Lock

All Hot Tub Covers include locking straps that lock the cover to the spa cabinet. This provides safety along with helping prevent covers from blowing off during heavy winds. Our Lifter Lock is the only locking system that locks the Lifter to the cabinet as well. This provides an additional level of safety along with providing an additional protection during high winds. Our Lifter Lock system will work with any cover lifter that has a straight arm Crossover Bar. Each Packet includes 2 Lifter Locks, one for each side for maximum security.

Figure 11



Installing Optional Lifter Lock

Place the hook portion of Lifter Lock on either side the Crossover Bar nearest to the cabinet. Then fully extend the strap with the lock mechanism down onto the cabinet. Once you have positioned the lock on the cabinet remove the male portion that includes the strap and secure the female portion with the supplied screws (see Fig 11).