



# VX3 COVER LIFTER

## INSTALLATION GUIDE



The VX3 Cover Lifter is an **add-on accessory, sold separately and not included** by default with a spa pool. Instructions vary per spa pool model, see compatibility list before installing.

If spa model does not exist, contact alpine spas customer support.

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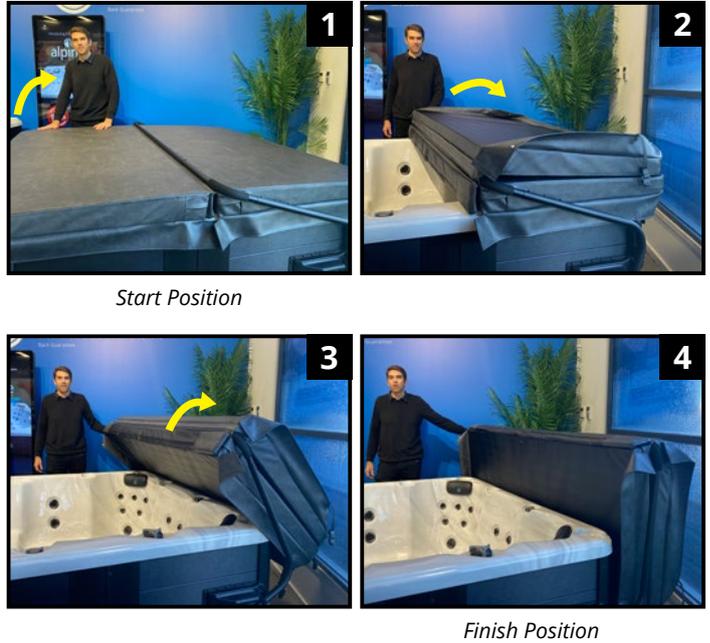
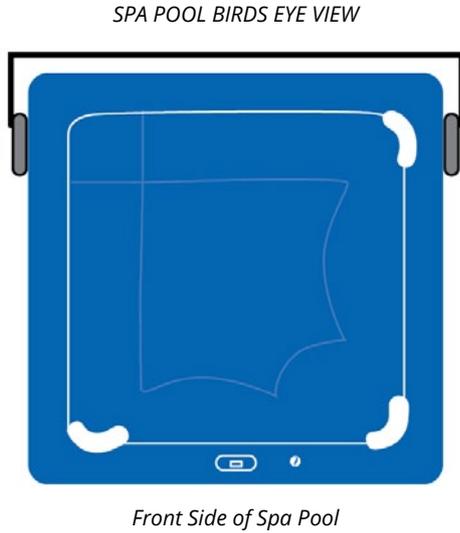
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# BEFORE GETTING STARTED:

## Operation Overview

The cover lifter is attached with two mounting brackets, screwed into the cabinet, on two opposite sides of the spa pool.



## Model Compatibility

- The VX3 Cover Lifter will not fit circular models, or square spas with a large corner radius. Enquire about the 'Cradle Cover Lifter' instead.
- **The VX3 Cover Lifter will not fit spa pools with width/length greater than 2300mm.**
- For rectangular shaped spa pools, the cover will only fold one way, stacking parallel with the short end.
- Rectangular shaped spa pools usually have a smaller depth/width and may require the support arms to be trimmed down to fit.

| Range                              | Compatible Models*  | Incompatible Models*                          | Notes*   |
|------------------------------------|---|---|--|
| <b>Alpine Spas</b><br>(Pages 4-6)  | Fuji, Nordic, Belmont, Oregon, Nepal, Tibet, Vermont, Aspen, Nevada, Blackburn, Sierra, Matterhorn, Vancouver, Munro, Nevada, Entertainer | Lucania, Yukon, Quebec, Duo, Barbados, Malibu | Smaller rectangular spas may require support arms to be cut down with a hack-saw. Logo plates may obstruct mounting brackets on certain sides. |
| <b>Alpine Elite</b><br>(Pages 8-9) | Kingston, Calgary, Montreal, Edmonton   | Alberta                                       | The Calgary may require support arms to be cut down with a hack-saw.   |
| <b>Master Spas</b><br>(Pages 8-9)  | Honolulu, Phoenix   | Florida, California, Houston                  | Cabinet vents may need to be removed to install mounting brackets.   |

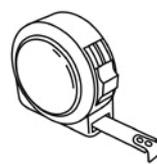
\*Table is a guide only. See specific model instructions for requirements and cautions. Not all compatible or incompatible models are listed. If unsure, see your sales consultant.

## List of Parts

Before you begin to put together your cover lifter, make sure to double check that all the parts are supplied. If you are in need of any extra parts for whatever reason, give us a call on 0800 99 33 88 (NZ) or 1800 99 33 88 (AUS)

| ITEM | DESCRIPTION                    | QTY |
|------|--------------------------------|-----|
| A    | SUPPORT ARM                    | 2   |
| B    | FOAM GRIP <i>PRE-INSTALLED</i> | 2   |
| C    | CENTER COUPLER                 | 1   |
| D    | PIVOT ARM                      | 2   |
| E    | PIVOT ARM CAP                  | 2   |
| F    | BUSHING                        | 4   |
| H    | MOUNTING BRACKET               | 2   |
| I    | TOWELMATE                      | 1   |
| K    | 3/8 X 3" HEX CAP BOLT          | 2   |
| L    | 3/8 NYLON LOCKNUT              | 2   |
| M    | 3/8 FLAT WASHER                | 4   |
| N    | #10 X 5/8" SELF TAPPING SCREWS | 12  |
| O    | #10 X 1" MOUNTING SCREWS       | 24  |
| P    | LARGE BLACK DOME CAP           | 2   |
| Q    | SMALL BLACK DOME CAP           | 36  |
| R    | 7/16" PLUG                     | 2   |

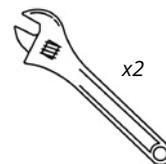
## Tools Required



Tape Measure



Flat Head Screwdriver



Wrench x2



Power Drill & Drill Bit Set



Hack-Saw

## Obstructions



- Your spa pool may have obstructions on the cabinet that get in the way when trying to install the cover lifter's mounting brackets such as logo plates, vents or docking stations etc. Take these into consideration when planning your mounting bracket positioning as you may need to choose another side to install on. Not every side can be used.
- It is likely that some of the spa pool cover straps and clips will be obstructed by the mounting brackets. You will potentially need to attach these clips on angle or refrain from using these clips.
- The VX3 Cover Lifter requires approx 500mm of clearance space behind the side it is mounted on so that the cover can swing out.
- The mounting brackets require 150mm of clearance on the sides they are mounted to.
- The resting position involves the cover sitting roughly halfway above the acrylic (see previous page 'finish position' image) - keep this in mind as it may block a particular view.

## Warnings



- If your spa pool is not listed in the compatibility section, please contact Alpine Spas before proceeding.
- Unclip the spa cover clips before beginning installation.
- The VX3 Cover Lifter is not compatible with circular spa pool models.
- The VX3 Cover Lifter is not suitable for spa pools with dimensions wider/longer than 2300mm
- Do not use the VX3 Cover Lifter in high wind conditions. Injury can occur from the spa cover being blown over and onto the user.
- The VX3 Cover Lifter is designed to assist the removal of the cover from the spa pool. Always fully complete the removal motion by taking weight from the cover and NEVER let it slam down by itself.
- Keep the VX3 Cover Lifter free of dirt and cobwebs.
- Chlorinated spa pool water can cause corrosion of parts. Clean your cover lifter regularly with fresh water and towel dry.
- Do not use water logged covers with the VX3 Cover Lifter, the excessive weight can place extra stress on the device and or spa pool cabinet.

# INSTRUCTIONS FOR ALPINE SPAS MODELS - 1/3

Fuji, Nordic, Belmont, Oregon, Nepal, Tibet, Vermont, Aspen, Nevada, Blackburn, Sierra, Matterhorn, Vancouver, Munro, Nevada, Entertainer

## ALPINE SPAS INSTRUCTIONS:



**TO ENSURE CORRECT INSTALLATION, READ THE 'BEFORE GETTING STARTED' SECTION ON PAGE 2 BEFORE PROCEEDING.**

### Step #1 - Position the Spa Cover

Position the spa cover in the closed position on the spa. Make sure that the four corners are evenly positioned and sitting correctly.

Note the positions of the hanging cover locking straps. It is likely that the mounting brackets of the cover lifter will restrict the installation of two of your spa cover clips, so you will need to find a way to secure these to the cabinet, either by attaching them an angle or by shortening/lengthening the cover straps.

### Step #2 - Attach the Pivot Arms to the Mounting Brackets

Two opposite 'bracket assemblies' (a mounting bracket & pivot arm piece connected) should first be made up as per 'Figure 1b'

To make up each bracket assembly, use 'Figure 1a' as a reference. Place a washer (M) on the hex cap bolt (K) and insert through the pivot arm (D) surrounded by both bushings (F). Continue to feed the hex cap bolt (K) through the mounting bracket (H), using the lower hole as per 'Figure 1a'.

Thread a washer (M) and locknut (L) onto the hex cap bolt and tighten gently, enough so that the pivot arm (D) moves freely on the mounting bracket and is secure, but not too stiff. Rotate the pivot arm into the upright position as seen in 'Figure 2' if it is not already.

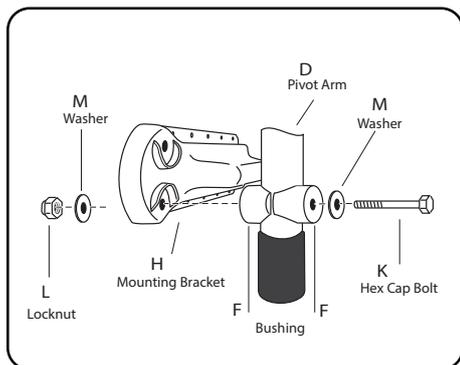


Figure 1a

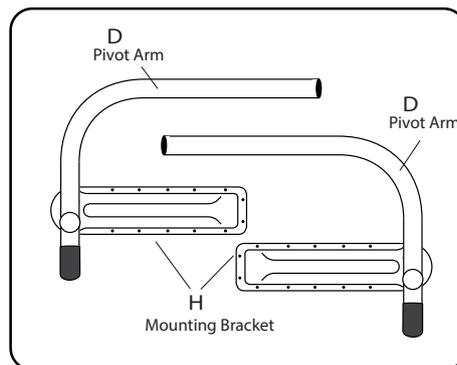


Figure 1b

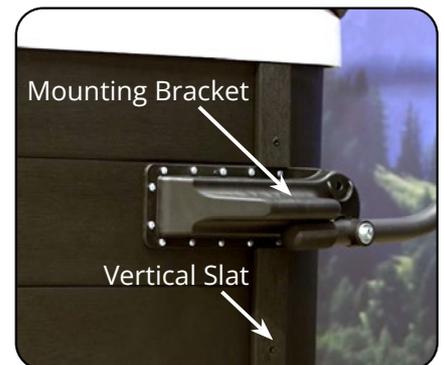


Figure 1c

### Step #3 - Preparing to Attach

For the cover lifter to be installed on an Alpine model, two of the spa pool's vertical slats must be removed and altered (cut) as they sit in the way of the mounting brackets (H) - see 'Figure 1c' for finished install example.

Only two of the vertical slats need to be altered on the spa pool - these correspond to the two mounting bracket (H) positions on your chosen sides of the spa pool.

### Step #4 - Remove the Vertical Slats

Remove each slat by undoing the 3x philips screws holding the slat to the spa pool using a screwdriver or power drill. The removal of the slat will leave a 'gap in the cabinet' between the cabinet panel and corner panel which is used as a reference to line up the mounting bracket.

*TIP: Before removing the slat from the spa pool, take note of the orientation of the vertical slat by marking the top and bottom of the slat on the back side, and also note which side of the spa pool it belongs to.*



# INSTRUCTIONS FOR ALPINE SPAS MODELS - 2/3

Fuji, Nordic, Belmont, Oregon, Nepal, Tibet, Vermont, Aspen, Nevada, Blackburn, Sierra, Matterhorn, Vancouver, Munro, Nevada, Entertainer

## Step #5 - Find the Correct Positioning for the Bracket Assemblies

Ensure the rounded edge of the mounting bracket points towards the back of the spa pool and the pivot arm is connected to the lower pivot point as per 'Figure 2'.

### To Find the Vertical Positioning for the Mounting Bracket (Figure 2):

Take the bracket assembly and press it against the spa cabinet. Vertically align the mounting bracket anywhere within the 300mm from the underside of the spa pool acrylic (shown as the green zone) in 'Figure 2'.

**NOTE - Spa Pools over 2200mm require a smaller 'safe verticle zone' of 180mm from the underside of the spa pool acrylic.**

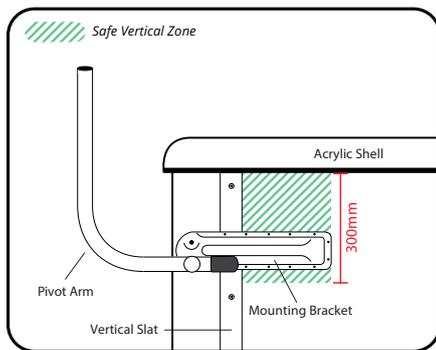


Figure 2



Figure 3



Figure 3a

## Step #6 - Cutting the Vertical Slat

Each vertical slat should be cut into two separates pieces to fit back onto the cabinet panel and sit flush around the mounting bracket for a tidy appearance as per 'Figure 1c'.

### Top Piece

Using a tape-measure, measure the space on the cabinet in-between the underside of the spa pool acrylic and the top edge of the mounting bracket as per 'Figure 4'.

Apply this measurement to the top section of the corresponding vertical slat as per 'Figure 4a' and cut across the slat with a hack-saw.



Figure 4



Figure 4a

### Bottom Piece

Using a tape-measure, measure the space in-between the bottom edge of the mounting bracket and the bottom edge of the spa pool cabinet as per 'Figure 4b'.

Apply this measurement to the bottom section of the corresponding vertical slat as per 'Figure 4c' and cut across the slat with a hack-saw.

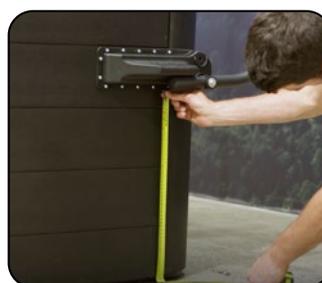


Figure 4b



Figure 4c

Be careful cutting the vertical slat and make sure to wear PPE. Power tools such as an electric jigsaw or skillsaw can be used.

# INSTRUCTIONS FOR ALPINE SPAS MODELS - 3/3

Fuji, Nordic, Belmont, Oregon, Nepal, Tibet, Vermont, Aspen, Nevada, Blackburn, Sierra, Matterhorn, Vancouver, Munro, Nevada, Entertainer

## Step #7 - Replacing the Slat Pieces

Replace the freshly cut top and bottom slat pieces into their correct positions either side of the mounting bracket. Simply screw back in to their pre-existing holes in the cabinet.

## Step #8 - Setup the Support Arms & Center Coupler

Insert the long end of the Support Arms (A) into the Center Coupler (C) then slide the short ends of the Support Arms into the Pivot Arms (D) (see 'Figure 6'). We will refer to connected Support Arms and Center Coupler bar as the 'lifter bar' for the next step.

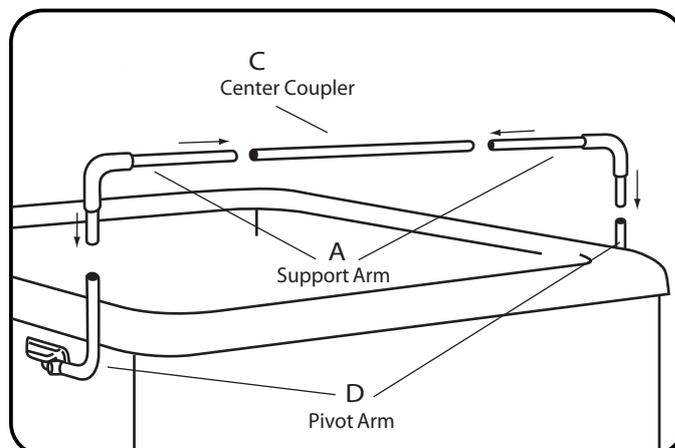


Figure 6

## Step #9 - Set the Positioning of Centre Coupler & Support Arms

Lay the lifter bar down on the spa cover. Adjust the Center Coupler (C) piece and Support Arms (A) so that the Center Coupler is laying parallel to the spa cover's hinge about 1cm away (see 'Figure 7').

Using the #10 self tapping screws (N), fasten the support arms to the pivot arms and the center coupler piece.

*Note: Before screwing in screws, be sure to rotate the center coupler so that the screws are screwed in at a horizontal angle (parallel with the spa cover). This way when the cover folds over the lifter bar, the screw heads will not rub on the cover. Consider placing a piece of cardboard underneath where you are screwing into the center coupler to catch the metal shavings.*

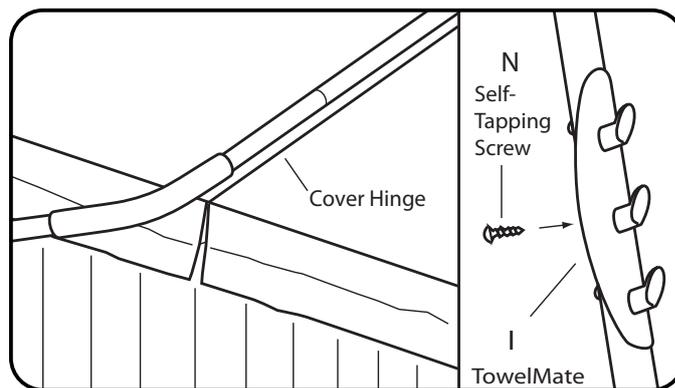


Figure 7

Figure 8

## Step #10 - Finishing Up

Snap the Small Black Dome Caps (Q) on the heads of all exposed #10 Mounting Screws. Push the 7/16" plug (R) into the unused hole on the mounting bracket. Place the Large Black Dome Caps (P) onto the exposed Hex Cap Bolt head.

If using the TowelMate (I), install onto the side of the Pivot Arm by replacing the self-tapping screws where required (see 'Figure 8').

## Removing Cabinetry with a Cover Lifter Installed

Start by making sure the cover is on the spa pool and the cover lifter is in the closed position. Remove the Small Black Dome Caps (Q) on the heads of the #10 Mounting Screws holding the Mounting Bracket onto the cabinetry. Remove the 12x #10 Mounting Screws from each Mounting Bracket. It might pay to get a second person to hold one side while it's being removed to prevent the Mounting Bracket dropping, which could scratch the cabinetry. When all #10 Mounting Screws have been removed from the Mounting Brackets, gently lift the cover lifter off the spa pool.

If you only require access to the cabinetry on one side, remove the 12x #10 Mounting Screws from the Mounting Bracket, then remove the 3x #10 self tapping screws holding the Support Arm (A) to the Pivoting Arm (D).

You can now continue to remove the slats and cabinetry to gain access into the Spa. Once you have ready to reinstall the cover lifter, reinstall the cabinetry using its pre-existing screw holes. Then secure the Mounting Bracket back in place using the pre-existing screw holes. Snap the Small Black Dome Caps (Q) on the heads of all exposed #10 Mounting Screws.



## VX3 COVER LIFTER ASSEMBLY VIDEO



For more information scan the  
QR Code below to visit our  
support page and assembly video

# INSTRUCTIONS FOR MASTER SPAS AND ALPINE ELITE MODELS - 1/2

Kingston, Calgary, Montreal, Edmonton, Honolulu, Phoenix

## MASTER SPAS & ALPINE ELITE INSTRUCTIONS:



**TO ENSURE CORRECT INSTALLATION, READ THE 'BEFORE GETTING STARTED' SECTION ON PAGE 2 BEFORE PROCEEDING.**

### Step #1 - Position the Spa Cover

Position the spa cover in the closed position on the spa. Make sure that the four corners are evenly positioned and sitting correctly.

Note the positions of the hanging cover locking straps. It is likely that the mounting brackets of the cover lifter will restrict the installation of two of your spa cover clips, so you will need to find a way to secure these to the cabinet, either by attaching them at an angle or by shortening/lengthening the cover straps.

### Step #2 - Attach the Pivot Arms to the Mounting Brackets

Two opposite 'bracket assemblies' (a mounting bracket & pivot arm piece connected) should first be made up as per 'Figure 1b'

To make up each bracket assembly, use 'Figure 1a' as a reference. Place a washer (M) on the hex cap bolt (K) and insert through the pivot arm (D) surrounded by both bushings (F). Continue to feed the hex cap bolt (K) through the mounting bracket (H), using the lower hole as per 'Figure 1a'.

Thread a washer (M) and locknut (L) onto the hex cap bolt and tighten gently, enough so that the pivot arm (D) moves freely on the mounting bracket and is secure, but not too stiff. Rotate the pivot arm into the upright position as seen in 'Figure 2' if it is not already.

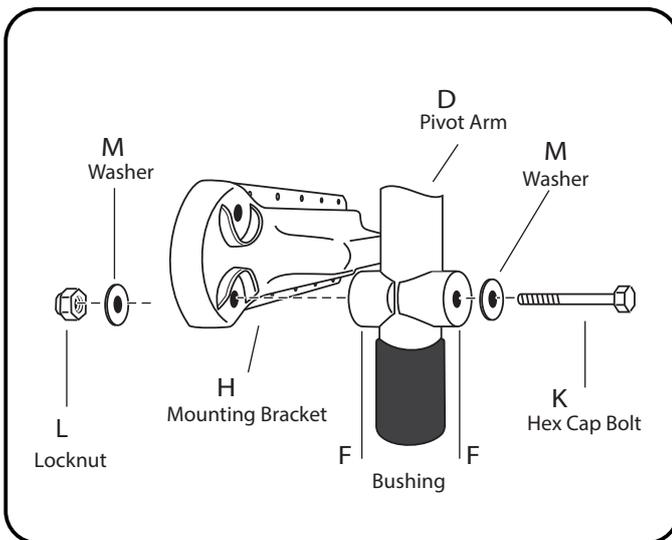


Figure 1a

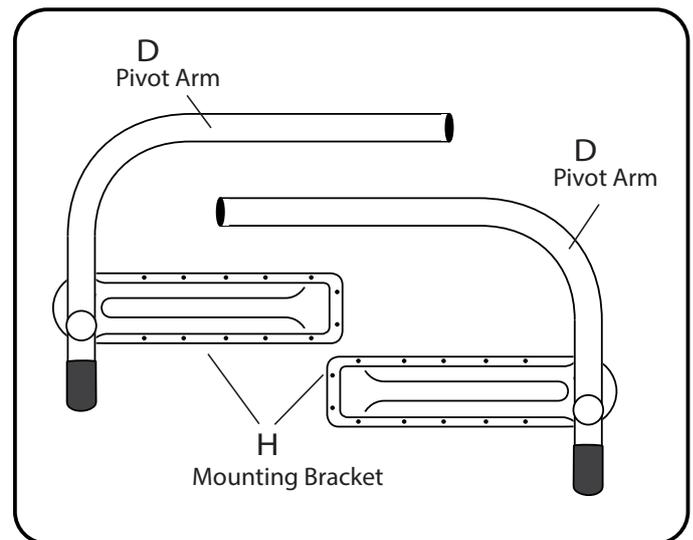


Figure 1b

# INSTRUCTIONS FOR MASTER SPAS AND ALPINE ELITE MODELS - 2/2

Kingston, Calgary, Montreal, Edmonton, Honolulu, Phoenix

## Step #3 - Find the Correct Positioning for the Bracket Assemblies

The bracket assembly needs to be screwed into the spa cabinet on opposite sides of the spa pool for the mechanism to work correctly.

**Remember to check for obstructions (see page 3) before installing into the cabinet.**

### To Find the Horizontal Positioning:

Take a bracket assembly from the rounded end of the bracket pointing towards the back of the spa pool and press it against the spa cabinet. Gently slide the bracket assembly to the left or right so that the pivot point (hex bolt) lines up to be centered over the recess in the 'vertical slat'. (See 'Pivot point' location marked in 'Figure 2').

### To Find the Vertical Positioning:

While keeping the horizontal position (pivot point centered over top of the recess) gently slide the bracket up or down to your desired position\* while staying between the green 'safe vertical zone' shown in 'Figure 2' (180mm from under the acrylic). The bracket assembly should be level before being screwed in.

\*The vertical height you choose is optional (within the safe vertical zone), just keep in mind how you will attach the spa cover straps and that the higher you mount the bracket, the higher cover will sit in the open position.

Once you have confirmed the position, screw the bracket assemblies to the spa cabinet using the #10 x 1" mounting screws (O) through the holes provided around the perimeter of the mounting bracket.

## Step #4 - Setup the Support Arms & Center Coupler

Insert the long end of the Support Arms (A) into the Center Coupler (C) then slide the short ends of the Support Arms into the Pivot Arms (D) (see 'Figure 3'). We will refer to connected Support Arms and Center Coupler bar as the 'lifter bar' for the next step.

## Step #5 - Set the Positioning of Centre Coupler & Support Arms

Lay the lifter bar down on the spa cover. Adjust the Center Coupler (C) piece and Support Arms (A) so that the Center Coupler is laying parallel to the spa cover's hinge about 1cm away (see 'Figure 4').

Using the #10 self tapping screws (N), fasten the support arms to the pivot arms and the center coupler piece.

*Note: Before screwing in screws, be sure to rotate the center coupler so that the screws are screwed in at a horizontal angle (parallel with the spa cover). This way when the cover folds over the lifter bar, the screw heads will not rub on the cover.*

## Step #6 - Finishing Up

Snap the Small Black Dome Caps (Q) on the heads of all exposed #10 Mounting Screws. Push the 7/16" plug (R) into the unused hole on the mounting bracket. Place the Large Black Dome Caps (P) onto the exposed Hex Cap Bolt head.

If using the TowelMate (I), install onto the side of the Pivot Arm by replacing the self-tapping screws where required (see 'Figure 5').

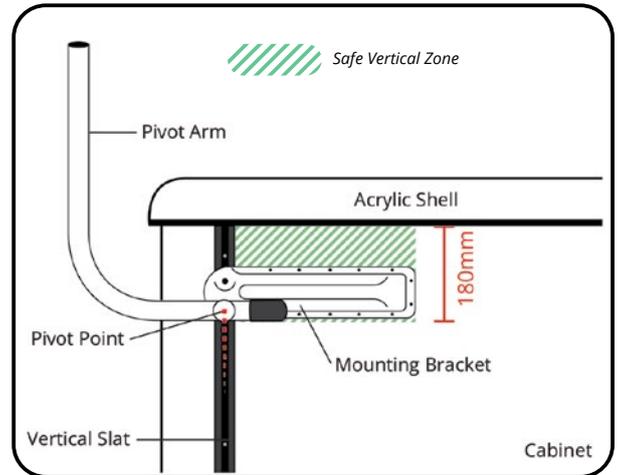


Figure 2

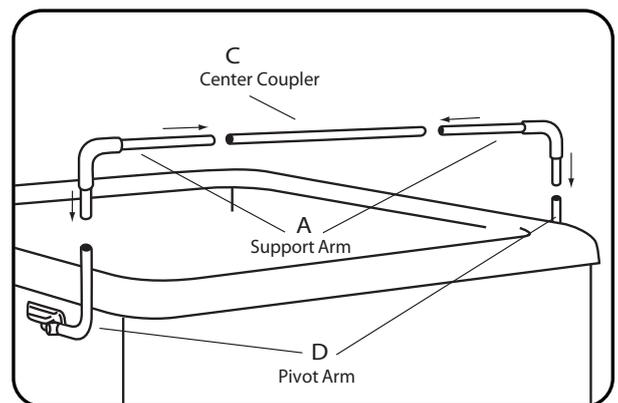


Figure 3

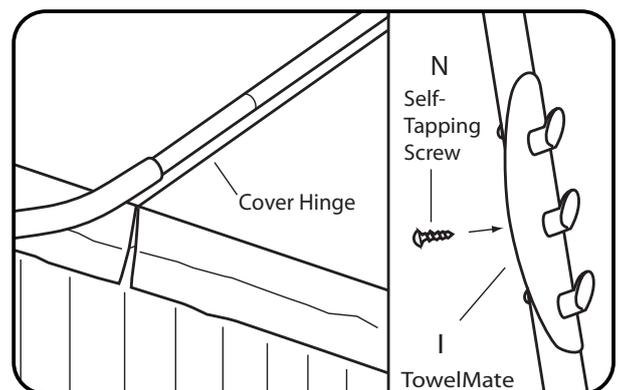


Figure 4

Figure 5



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