

# VX3 COVER LIFTER *Easy Installation Guide*

## BEFORE GETTING STARTED:

### Double Check all Parts are Accounted for

Before you begin to put together your cover lifter, make sure to double check whether all the parts are there. If you are in need of any extra parts for whatever reason, give us a call on 0800 99 33 88.

### Tips & Assistance

For tips and a visual guide see our helpful video available at: <http://alpinespas.co.nz/cover-lifter-vx3/>

### **⚠ OBSTRUCTIONS**

Your spa 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 or docking stations etc. Take these into consideration when planning your mounting position as you will have to mount above or below these obstructions. You must still adhere to the vertical safe zone outlined in 'Figure 2'. DO NOT MOUNT ABOVE MUSIC DOCKING STATIONS.

ITEM	PART#	DESCRIPTION	QTY
A	100001	SUPPORT ARM	2
B	100002	FOAM GRIP <i>PRE-INSTALLED</i>	2
C	100003	CENTER COUPLER	1
D	100004	PIVOT ARM	2
E	100007	PIVOT ARM CAP	2
F	100344	BUSHING	4
H	100021	MOUNTING BRACKET	2
I	100008	TOWELMATE	1
K	100010	3/8 X 3" HEX CAP BOLT	2
L	100011	3/8 NYLON LOCKNUT	2
M	100012	3/8 FLAT WASHER	4
N	100013	#10 X 5/8" SELF TAPPING SCREWS	12
O	100014	#10 X 1" MOUNTING SCREWS	24
P	100015	LARGE BLACK DOME CAP	2
Q	100016	SMALL BLACK DOME CAP	36
R	100347	7/16" PLUG	2

## INSTALLATION INSTRUCTIONS:

### Step #1 - Position the Spa Cover

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

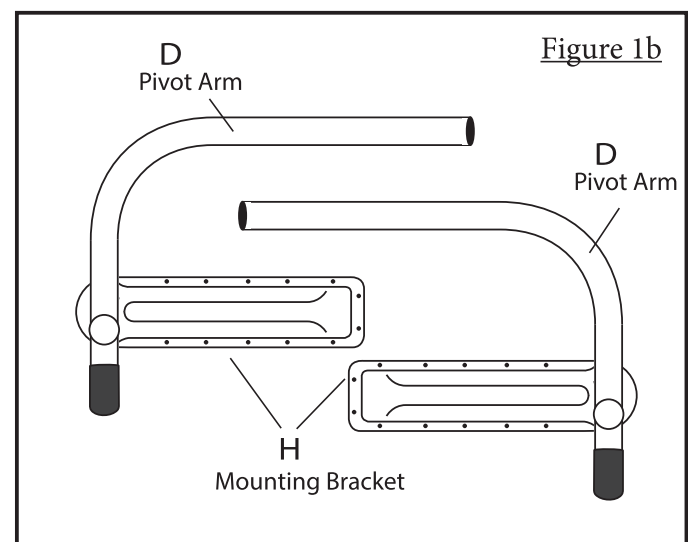
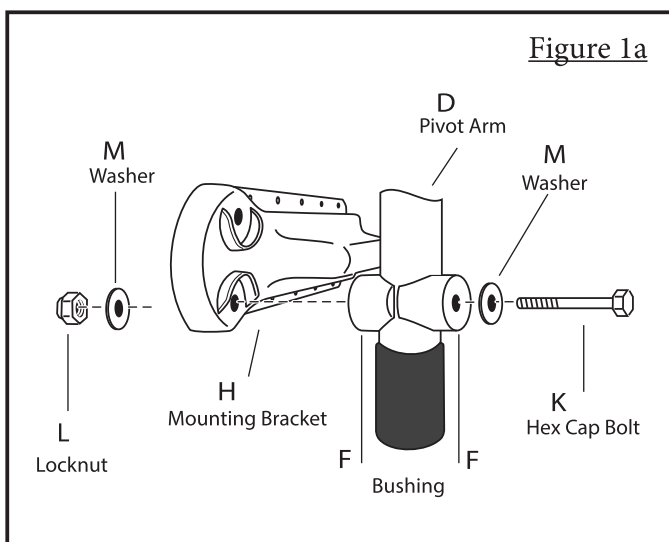
Note the positions of the hanging cover locking straps. It is likely that the mounting brackets of the cover lifter will restrict the installation of two of your spa cover clips, so you will need to find a way to secure these to the cabinet, either by attaching them an angle or by shortening/lengthening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



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### 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 previous page) before installing into the cabinet.

#### To Find the Horizontal Positioning:

Take a bracket assembly and press it against the spa cabinet. Gently slide the bracket assembly to the left/right (depending on side of spa and bracket arrangement you are using) as far as possible until the locknut (on the back face of mounting bracket) rests up against the edge of the vertical slat but does not sit on top of it. The curve of the plastic bracket may overlap the vertical slat, but ensure the locknut stays butted up against the edge of the vertical slat. (See vertical slat marked in 'Figure 2').

#### To Find the Vertical Positioning:

While keeping the horizontal position (pressed up against vertical slat) gently slide the bracket up or down to your desired position\* while staying between the green safe zone shown in 'Figure 3' (300mm 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.

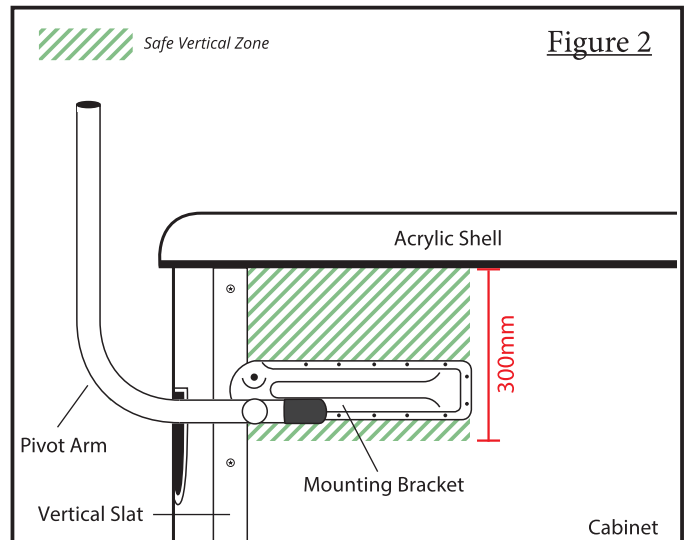


Figure 2

### Step #5 - 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.

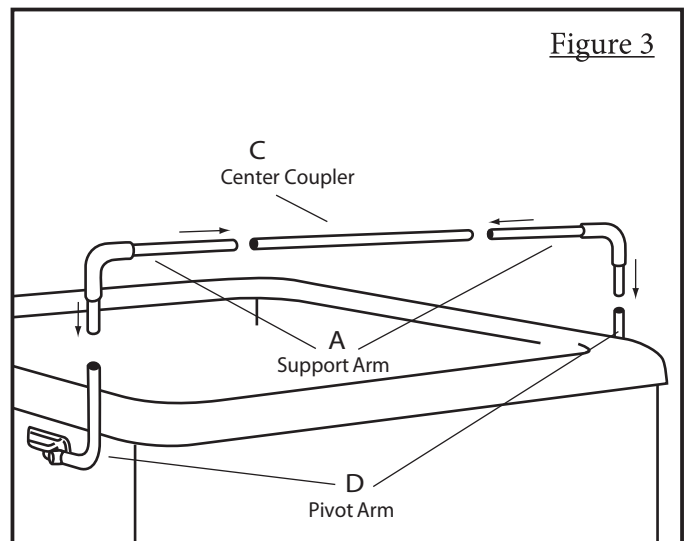


Figure 3

### Step #6 - 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 #7 - 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').

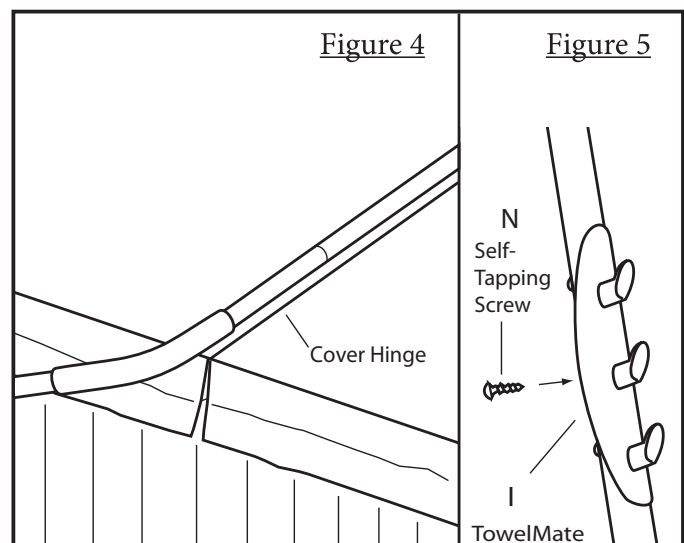


Figure 4

Figure 5

**CAUTION** 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.