

PRODUCT MODELS

- Evolution Cover
- Oasis Cover

PURPOSE OF THE ADJUSTMENT PROCEDURE

This procedure should be performed when a unit does not move or slightly moves or is stuck unlevelled. It is not applicable for a unit with visually noticeable mechanical malfunctions.

Version française à la page 5.

PREPARATION

Make sure that no sleeve gets caught and that there is no interference with the jacks. If some interference of any kind is visible, please contact Covana.

TOOLS REQUIRED

Flat blade screwdriver	7/16" wrench	Long nose pliers
Phillips screwdriver	1/2" wrench	Ratchet strap
Metric Allen keys	Adjustable wrench	

⚠ WARNING

This procedure must be performed by a certified Covana installer.

IDENTIFYING THE ROOT OF THE PROBLEM

- 1) Check that the chain guides are correctly positioned (therefore **almost** touching the chain) in order to prevent the chain from jumping.

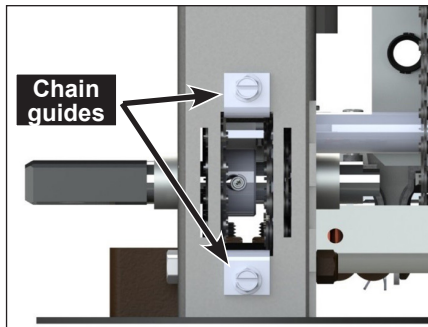


IMAGE 1

- 2) If the cover is from **April 2019 and up** (or retrofitted) make sure that the red alignment bracket is in place (G3 jacks only).

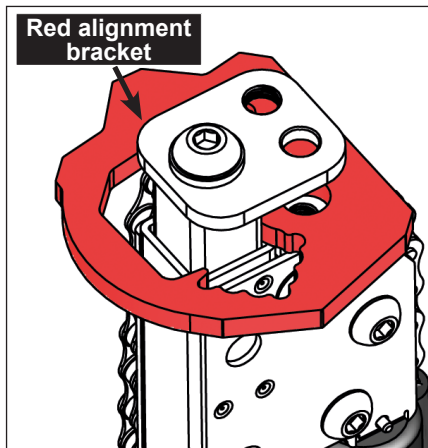


IMAGE 2

- 3) Check the spring pin at the bottom of the jack to make sure it is not broken or missing.
- 4) If any of the previous steps revealed an issue, it needs to be fixed before continuing with this procedure.

STEP BY STEP PROCEDURE

Have the low side of the cover sit on the spa, and check the low limit switches to identify which side moved;

- If the low side is sitting on the spa, and the low limit switch in the operator box is engaged, follow **Procedure A**.
- If the low side is sitting on the spa, but the low limit switch in the operator box is not engaged, follow **Procedure B**.

PROCEDURE A

- 1) Remove the rubber cap from each post.

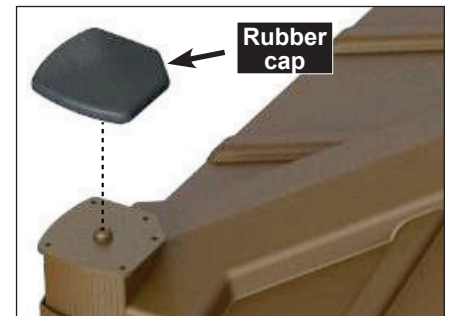


IMAGE 3

- 2) Remove the four M6 x 20 mm bolts and 5/16" painted metal washers from each post to have the cover sit flat on the spa. **Do not discard!** Leave the bracket attached to the sleeve.

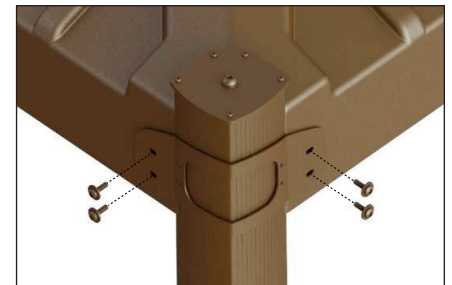


IMAGE 4

⚠ CAUTION

Have someone supporting the shell assembly while removing the bolts to avoid damaging the corner brackets.

- 3) Remove the 3/8-24 x 1" Allen bolt with a 7/32" Allen key from each post. **Do not discard!**



IMAGE 5

- 4) Loosen the Phillips M6 x 20 mm screw at the bottom of each post. **Do not remove the screw.**

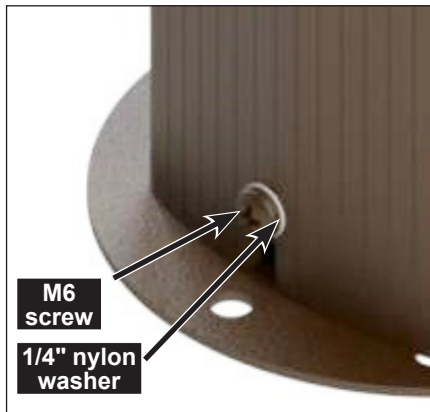


IMAGE 6

- 5) Slide the sleeves upward to expose the jack. Set them aside in a safe location.

- 6) If the jack is from **March 2019 or earlier (G2)**: For both motor posts, put the jack lock back in its original place and install the M4 x 8 mm screw to secure it. Turn the shaft with the key to align it with the bracket if need be.

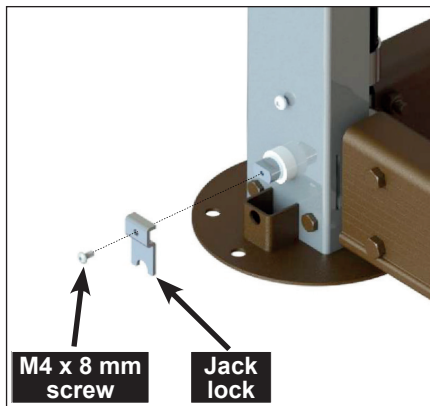


IMAGE 7

- 7) If the jack is from **April 2019 and up (G3)**: For both motor posts, use the M8 x 50 mm screw at the top of the jack to lock it.

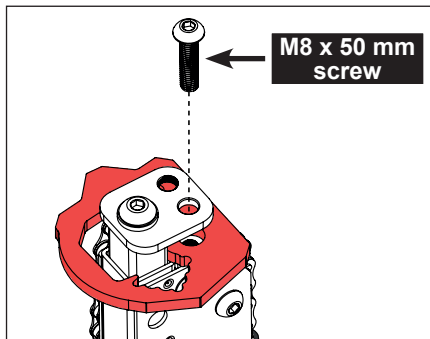


IMAGE 8

NOTE

It might be impossible to install the jack lock on the higher post. If this is the case, install a ratchet strap to lock it.

- 8) Remove the screws holding the chain guides in place. Then, remove both chain guides from the jacks on the higher side.

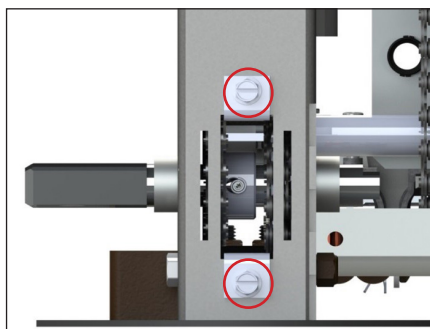


IMAGE 9

- 9) Remove all the hexagonal screws on the motor side U-frame, including both screws going into the operator. Gently lift the U-frame and set it aside (see image 10).

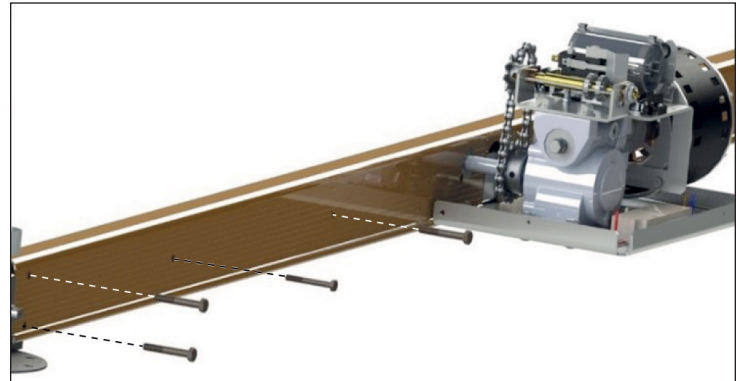


IMAGE 10

- 10) Install the ratchet strap on the high side.

⚠ WARNING

Never get in the way of the jack, as it is a compressed gas spring looking to expand.

- 11) Remove the chain tensioners from the chain (see image 11).

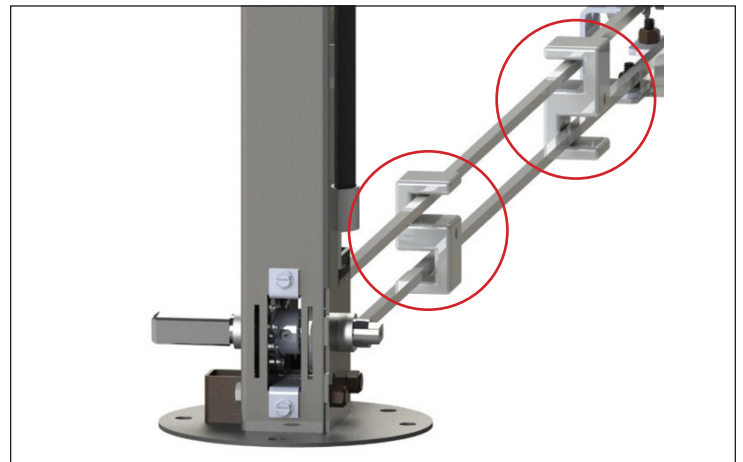


IMAGE 11

- 12) Remove the anchoring from the jack base plate and pull the jacks closer to one another so the chain loosens (see image 12).

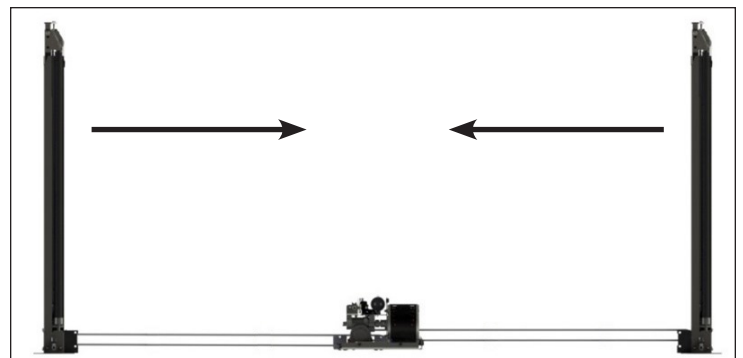


IMAGE 12

- 13) Remove the chain adapter link with the flat blade screwdriver or the long nose pliers on both chains (see image 13).

NOTE

To save time, mark the position of the chain on the driving gear, allowing to save the original company adjusted chain tension at reassembly (see image 14).

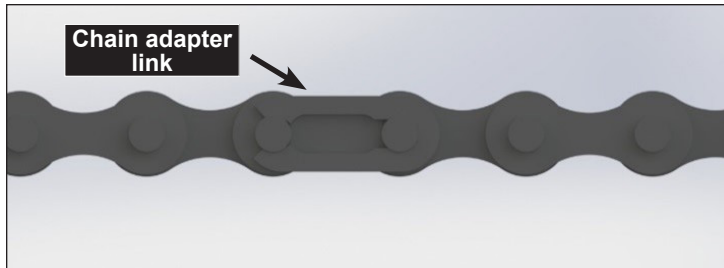


IMAGE 13

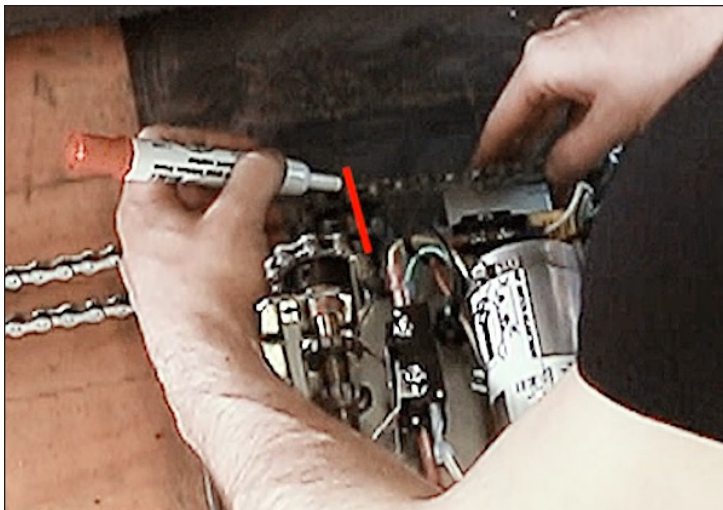


IMAGE 14

- 14) If the jack is from **March 2019 or earlier (G2)**, unscrew the Phillips M4 x 8 mm screw to remove the jack lock at the bottom of the posts on the higher side. **Keep the locks and the hardware for future use** (see image 7).

If the jack is from **April 2019 and up (G3)**, remove the M8 x 50 mm screw at the top to unlock the posts on the higher side (see image 8).

- 15) Make sure the chain is not in contact with the motor jack sprocket, and compress the motor and the non-motor jack on the higher side with ratchet straps until the desired height is reached. No need to completely remove the chain, but the top of the sprocket needs to be free.
- 16) Reinstall the chain on the sprocket (using the marks from step 13) while trying to have approximately the same tension on both sides.
- 17) Reinstall the chain link, the chain tensioners, and U-frame.
- 18) Remove the jack locks, and the ratchet straps.
- 19) Reinstall the sleeves.

NOTE

The new height might not be perfect. Once all the parts have been reinstalled, operate the cover for 2 or 3 cycles so that the chain can find its place.

The final adjustment should be done with the corner bracket.

- 20) Fasten the corner bracket to the cover **(following the A to D pattern as shown at right)** with four Phillips M6 x 20 mm bolts and 5/16" painted metal washers per post.

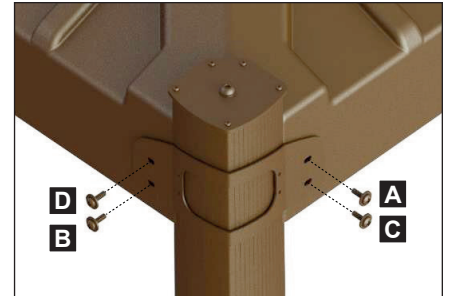


IMAGE 15

- 21) Repeat step 20 for each remaining corner bracket, follow the order of installation (1 to 4) as seen in image 16.



IMAGE 16

- 22) Verify the installation of each bracket by sliding the middle sleeve up and down by hand. Make sure it slides without scratching or interfering with the inner or outer sleeve. If all seems to function properly, lower the cover and check if the sleeves are level using a 36" level on both sides of the sleeves.
- 23) Put the key back in its key switch socket. Operate the spa cover normally to see if everything is correct. If there is any issue with the cover, please refer to the troubleshooting section of the Owner's manual or call Covana for the Technical Support department.

PROCEDURE B

- 1) Remove the rubber cap from each post (see image 3).
- 2) Remove the four M6 x 20 mm bolts and 5/16" painted metal washers from each post to have the cover sit flat on the spa. Leave the bracket attached to the sleeve (see image 4).
- 3) Remove the 3/8-24 x 1" Allen bolt with a 7/32" Allen key from each post (see image 5).
- 4) Loosen the Phillips M6 x 20 mm screw at the bottom of each post. Do not remove the screw (see image 6).
- 5) Slide the sleeves upward to expose the jack. Set them aside in a safe location.
- 6) If the jack is from **March 2019 or earlier (G2)**: For the posts on the lower side, put the jack lock back in its original place and install the M4 x 8 mm screw to secure it. Turn the shaft with the key to align it with the bracket if need be (see image 7).

If the jack is from **April 2019 and up (G3)**: For the posts on the lower side, use the M8 x 50 mm screw at the top of the jack to lock it (see image 8). Install a ratchet strap on the higher side with some tension in it.

- 7) Remove the screws holding the chain guide in place. Then, remove both chain guides from the jacks on the lower side.
- 8) Remove all the hexagonal screws on the motor side U-frame, including both screws going into the operator. Gently lift the U-frame and set it aside (see image 10).
- 9) Remove the chain tensioners from the chain (see image 11).
- 10) Remove the anchoring from the jack base plate and pull the jacks closer to one another so the chain loosens (see image 12).
- 11) Remove the chain adapter link with a flat blade screwdriver from the motor chain on the lower side (see image 13).

NOTE

To save time, mark the position of the chain on the driving gear, allowing to save the original company adjusted chain tension at reassembly (see image 14).

- 12) Temporarily reinstall the U-frame on the motor side (insert the bolts without tightening them) to prevent the operator from moving during the next step.
- 13) Make sure the chain is not in contact with the motor jack sprocket on the lower side, and manually lower the cover (turning clockwise) using the hex shaft on the motor until the higher side stops moving and the desired height is reached (which should be aligned with the limit switch). No need to completely remove the chain, but the top of the sprocket needs to be free (see image 17).

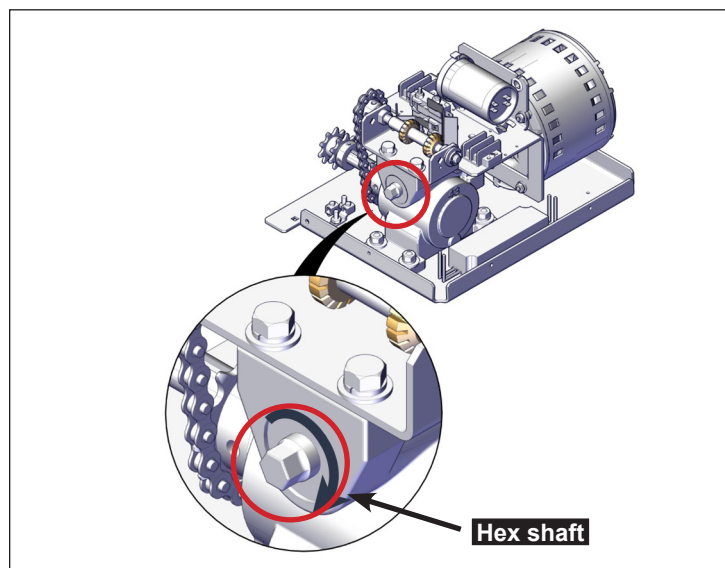


IMAGE 17

- 14) Reinstall the chain on the sprocket (using the marks from step 11) while trying to have approximately the same tension on both sides.
- 15) Reinstall the chain link, the chain tensioners, and U-frame.
- 16) Remove the jack locks, and the ratchet straps.
- 17) Reinstall the sleeves.
- 18) Fasten the corner bracket to the cover (**following the A to D pattern illustrated in image 15**) with four Phillips M6 x 20 mm bolts and 5/16" painted metal washers per post.
- 19) Repeat step 18 for each remaining corner bracket, follow the order of installation (1 to 4) as seen in image 16.
- 20) Verify the installation of each bracket by sliding the middle sleeve up and down by hand. Make sure it slides without scratching or interfering with the inner or outer sleeve. If all seems to function properly, lower the cover and check if the sleeves are level using a 36" level on both sides of the sleeves.
- 21) Operate the spa cover normally to see if everything is correct. If there is any issue with the cover, please refer to the troubleshooting section of the Owner's manual or call Covana for the Technical Support department.