

PRODUCT MODELS

- Evolution Cover
- Oasis Cover

PURPOSE OF THE REPAIR PROCEDURE

This repair procedure should be performed if the replacement of a non-motor post assembly is required on the Evolution or Oasis spa cover.

PREPARATION

- The cover must be closed
- Gather the required tools, as seen in the table at right
- Make sure the parts kit is complete and that parts have not been damaged during transport. Call your local dealer if parts need to be replaced.

TOOLS REQUIRED

1/2" socket wrench and spanner	Adjustable wrench
7/16" socket wrench and spanner	Phillips screwdriver
7/32" Allen key	Rubber mallet
Measuring tape	48" long level

PARTS KIT NO. 234830

	QTY	CODE
Oasis G3 Non-motor post assembly 600N	1	230050
M6-1.0 Panel nut	1	202159
M8-1.25 x 50 mm button head screw	2	233731

Version française à la page 5.

⚠ CAUTION

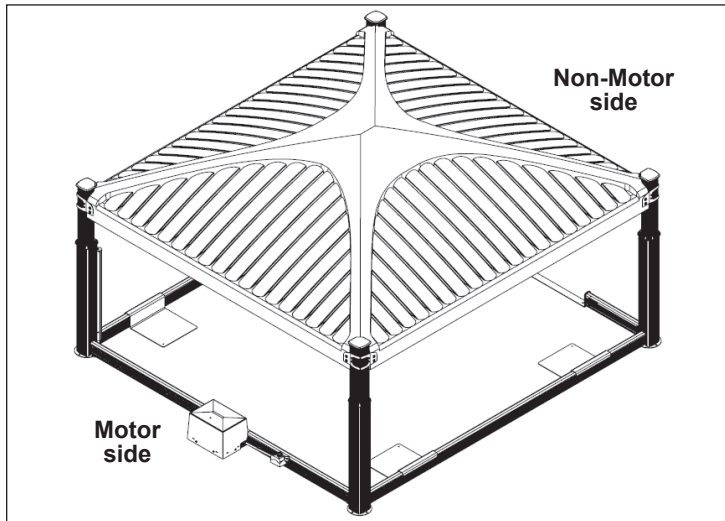
Do not use power tools, some parts are fragile and may break under too much torque.

⚠ WARNING

This procedure must be performed by a certified Covana installer.

Keep the key out of the key switch socket at all times. The certified Covana installer must keep control of the key during the repair procedure. Derogation from this directive could cause serious injury or damage the cover.

Motor and non-motor sides identification



STEP BY STEP PROCEDURE

A- REMOVING DEFECTIVE JACK ASSEMBLY

- 1) Remove the rubber cap from the defective non-motor jack.

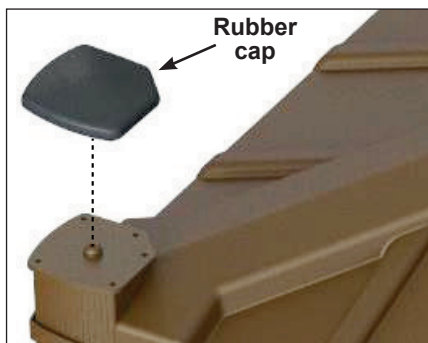


IMAGE 1

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

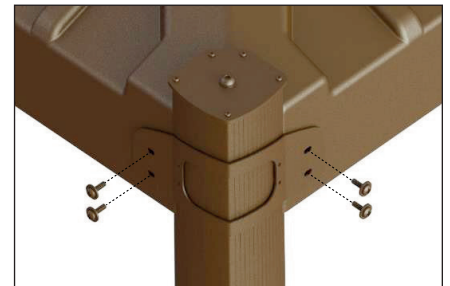


IMAGE 2

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



IMAGE 3

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

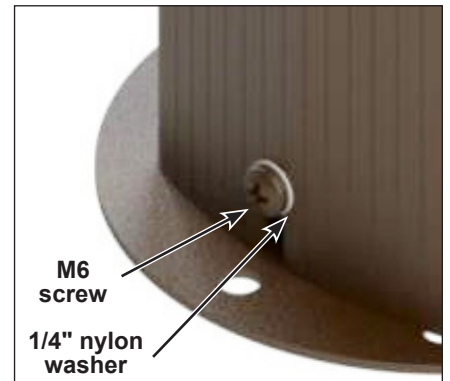


IMAGE 4

- 5) Slide the sleeves upward to expose the jack. Set them aside in a safe location. If both non-motor jacks need to be replaced, identify the sleeves to ensure they will not be swapped.

- 6) If the cover is from **March 2019 or earlier**: 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.

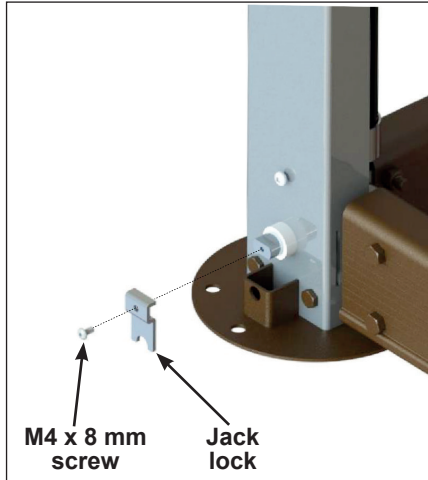


IMAGE 5

If the cover is from **April 2019 and up**: Use the M8 x 50 mm screw at the top of the jack to lock it.

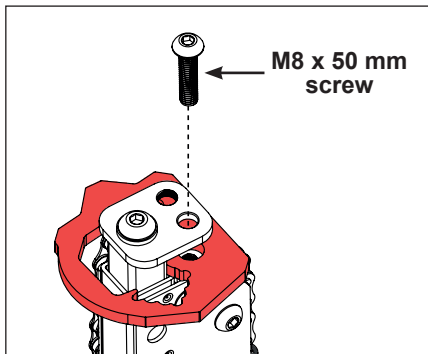


IMAGE 6

⚠ WARNING

Before continuing with this procedure, cut power to the cover.

- 7) Detach the short U-frame, at the front of the spa, by removing both hexagonal 5/16-18 x 2" bolts from both ends using a 1/2" socket wrench and spanner (see image 7).



IMAGE 7

- 8) Detach the long U-frame from the drive shaft by removing both hexagonal 5/16-18 x 2" bolts from both posts using a 1/2" socket wrench and spanner.

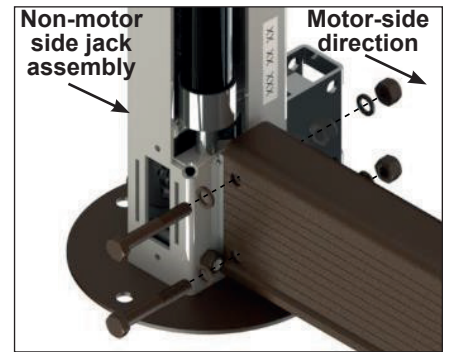


IMAGE 8

- 9) Remove the drive shaft. Slightly tilt the post to facilitate the operation (see image 9).

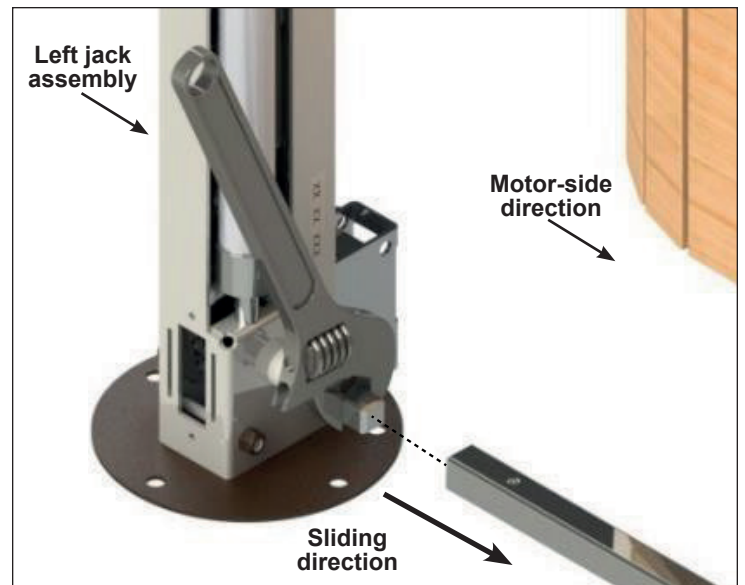


IMAGE 9

- 10) Separate the foot plate from the defective jack by removing both 1/4-20 x 2 1/4" hexagonal bolts from the bottom of the post using a 7/16" socket wrench and spanner.

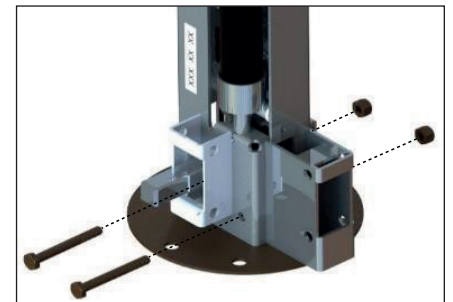


IMAGE 10

- 11) Detach the foot plate from the jack by pushing the foot plate downwards. Using a rubber mallet may help separate the parts.

Discard the defective non-motor jack.

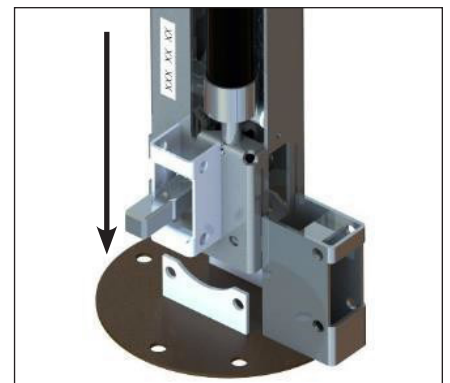


IMAGE 11

B- INSTALLING NEW JACK ASSEMBLY

- 1) Install the foot plate on the new non-motor jack. Start by aligning the foot bracket and the U-frame bracket (see image 12).

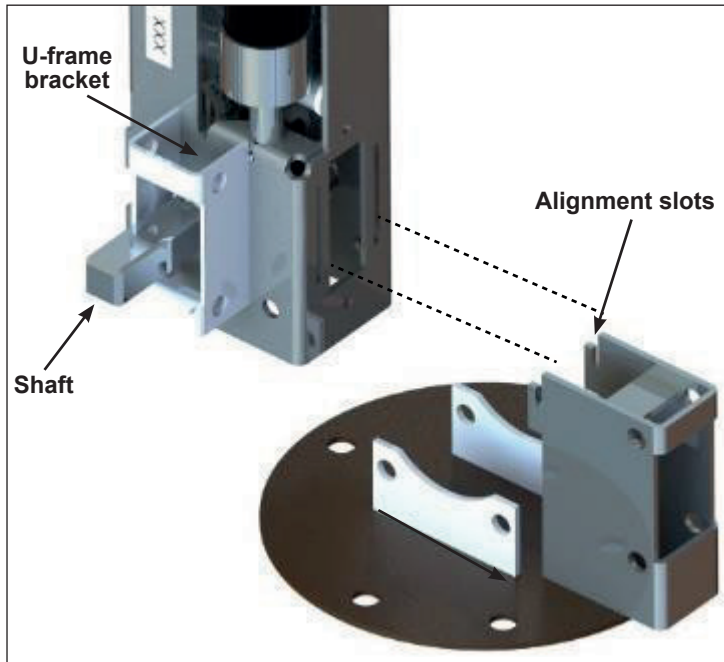


IMAGE 12

- 2) Slide the alignment brackets of the post foot in the alignment slots of the jack.

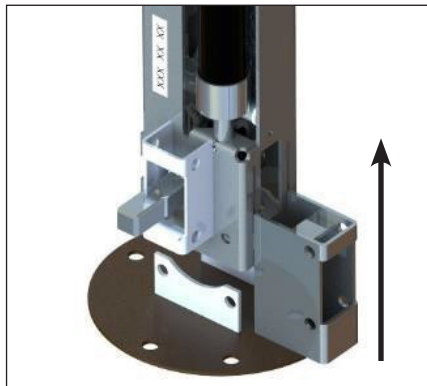


IMAGE 13

- 3) Push upwards to lock in the foot plate. Using a rubber mallet may facilitate the lock-in process.

- 4) Use both 1/4-20 x 2 1/4" hexagonal bolts, the nylon-insert lock nuts, and a 7/16" socket wrench and a spanner to fasten the assembly. **Do not overtighten these bolts. The mechanism may bend inward as a result** (see image 10).

- 5) Position the non-motor jack in the corner of the cover. The square shaft should face toward the motor frame, and the U-frame bracket should be inward.

- 6) Install the drive shaft onto the non-motorized jack shaft. Use an adjustable wrench to carefully rotate the square of the jack so it aligns with the drive shaft (see image 14).

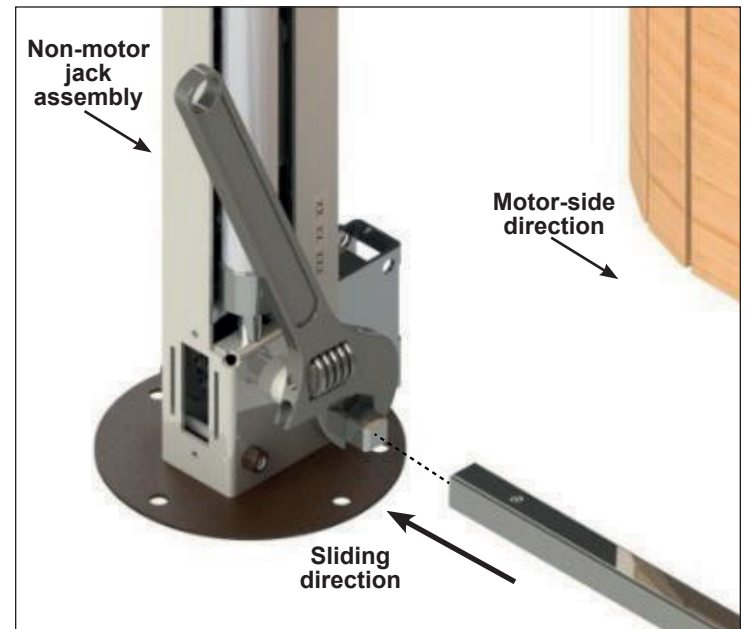


IMAGE 14

- 7) Install the long U-frame over the drive shaft. The U-frame will bolt on the motor and non-motor jacks. Secure in place with the four hexagonal 5/16-18 x 2" bolts, the four 5/16-18 nylon insert lock nuts, and the eight 5/16" plastic washers using a 1/2" socket wrench and spanner (see image 8).

- 8) Install the short U-frame at the end of the front frame cut-out. Secure in place with the four hexagonal 5/16-18 x 2" bolts, the four 5/16-18 nylon-insert lock nuts, and the eight 5/16" washers using a 1/2" socket wrench and spanner (see image 7).

- 9) Verify whether the drive shaft fell off during installation. If so, review the previous steps. If not, tighten all the U-frame bolts.

- 10) Once the U-frame is in place:

If the cover is from **March 2019 or earlier**, unscrew the Phillips M4 x 8 mm screw to remove the jack lock bracket at the bottom of the non-motor jack. **Keep the lock bracket and the hardware for future use** (see image 5).

If the cover is from **April 2019 and up**, remove the M8 x 50 mm screw at the top to unlock the jack assembly (see image 6).

⚠ WARNING

Failure to remove the locking screw will damage the lifting mechanism when operating.

Do not remove the alignment bracket on the top of the jack (red part).

- 11) Slide the sleeve over the jack. Be sure to align the opening at the bottom of the sleeve with the U-frame attached (see image 15). Ensure not to swap the sleeves.

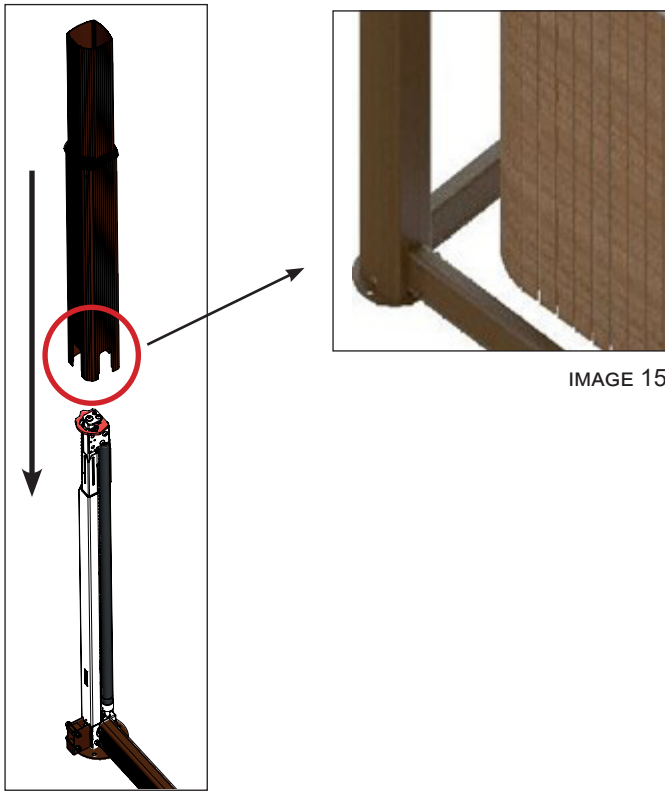


IMAGE 15

- 12) Tighten the Phillips M6 x 20 mm screw at the bottom of the post (see image 4).

⚠ CAUTION

Make sure that the nylon washer is located on the outside of the outer sleeve.

- 13) Make sure the all-weather seal on the post is slid all the way down against the outer sleeve.

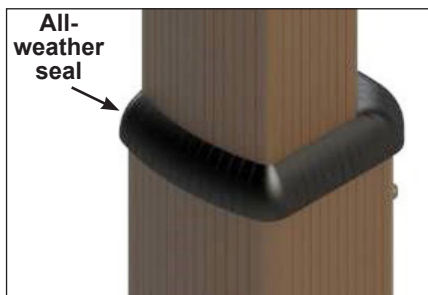


IMAGE 16

⚠ WARNING

Failing to properly position this seal may cause serious damage to the post mechanism.

- 14) Install the 3/8-24 x 1" Allen bolt with the narrow part of the bushing facing downwards using a 7/32" Allen key (see image 3).

- 15) Ensure the cover is still centered. Use a measuring tape on all four sides. Also, verify whether all the posts are vertically leveled with a 48" level.

- 16) Fasten the corner bracket to the cover (according to the order of installation in image 18, and following the A to D pattern in image 17) with four Phillips M6 x 20 mm bolts and 5/16" painted metal washers.

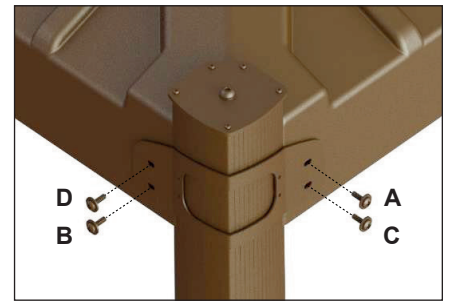


IMAGE 17

⚠ WARNING

Make sure the sleeve is correctly pressed against the outer shell before installing the M6 x 20 mm screws.



IMAGE 18

- 17) Verify the installation of the 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 the 48" level on both sides of the sleeves. If an interference occurs, look at all the parts that have been worked on and make sure there are no broken screws. Reviewing step 12 to retighten the M6 x 20 mm screw could help.

- 18) Install the rubber cap on the post (see image 1).

- 19) Put the power back on and 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.

NOTE

All images shown are for illustration purpose only. Actual product may vary due to the different models this procedure is intended for.