

PRODUCT MODELS

- Evolution Cover
- Oasis Cover

PURPOSE OF THE REPAIR PROCEDURE

This repair procedure should be performed when the replacement of a gas spring on a motor jack 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

Locking pliers	Long nose pliers	7/32" Allen key
Robertson screwdriver	Phillips screwdriver	Measuring tape
Heat gun	48" long level	Utility knife

PARTS KIT NO. 226557 (G2) OR 233276 (G3)	QTY	CODE
Gas spring (G2) OR	1	188968
Gas spring (G3)	1	237395
5/64" x 3/4" Cotter pin (G2 and G3)	2	226588
Heat shrink tubing (G2 and G3)	2	211572

Version française à la page 4.

⚠ 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.

STEP BY STEP PROCEDURE

A- REMOVING DEFECTIVE GAS SPRING

- 1) Remove the rubber cap from each post.
Do not discard!



IMAGE 1

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



IMAGE 2

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

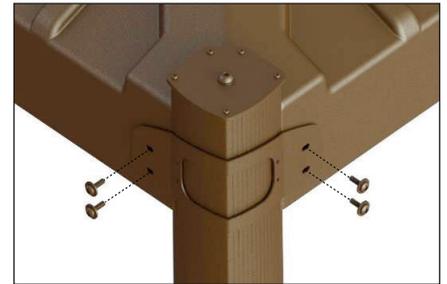


IMAGE 3

NOTE

The following steps should be performed ON THE POST WITH THE DEFECTIVE GAS SPRING ONLY.

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

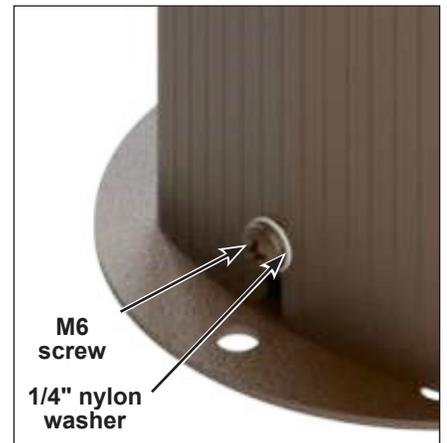


IMAGE 4

- 5) Slide the sleeves upward to expose the jack. Set them aside in a safe location.
- 6) Turn the key switch to raise the post by 4".

- 7) Install locking pliers at the bottom of the exposed inner jack tube on the motor jack. **The pliers need to be very tight around the inner tube.**

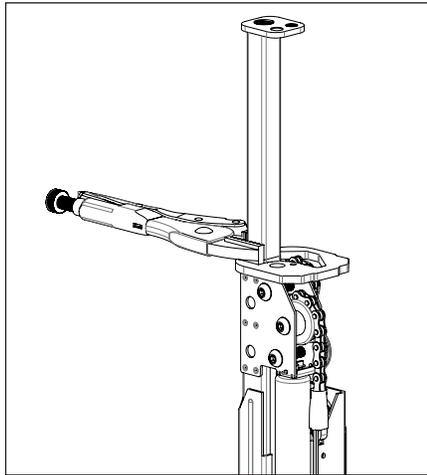


IMAGE 5

- 8) Turn the key switch to lower the jack by 2" in order to remove the tension from the chain (or metal wire according to the model).

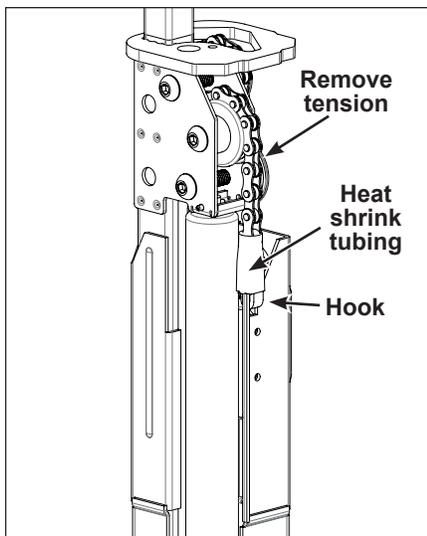


IMAGE 6

- 9) Use a utility knife to cut the heat shrink tubing and remove it from the hook (see image 6).
- 10) Remove the hook from the jack outer section.
- 11) Remove both spring pins. Use pliers or punch them out (see image 7).

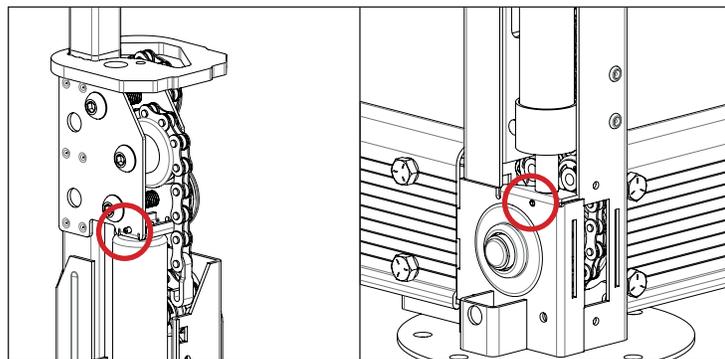


IMAGE 7

- 12) Turn the key switch to raise the jack to its maximum height, then remove the defective gas spring.

NOTE

Maximum height: Travel is set to approximately 48" (122 cm).

B- INSTALLING NEW GAS SPRING

⚠ CAUTION

Refer to the label on the gas spring to make sure the load of the new gas spring is the same as the previous one.

- 1) Install the new gas spring making sure both extremities are inserted in their appropriate location (see image 8).

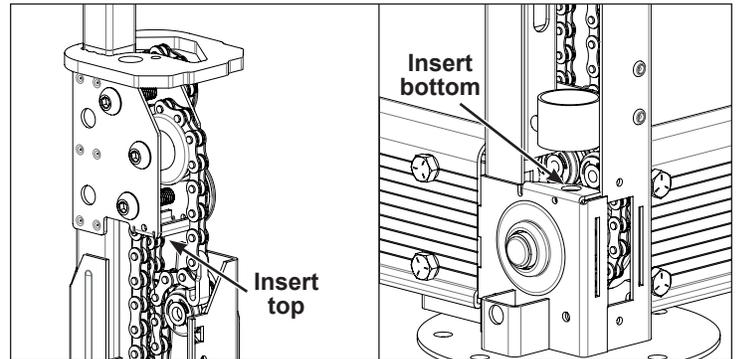


IMAGE 8

- 2) Lower the jack by 2" by turning the key switch in the down position (↓).
- 3) Install the new cotter pins; use pliers if need be (see image 9).

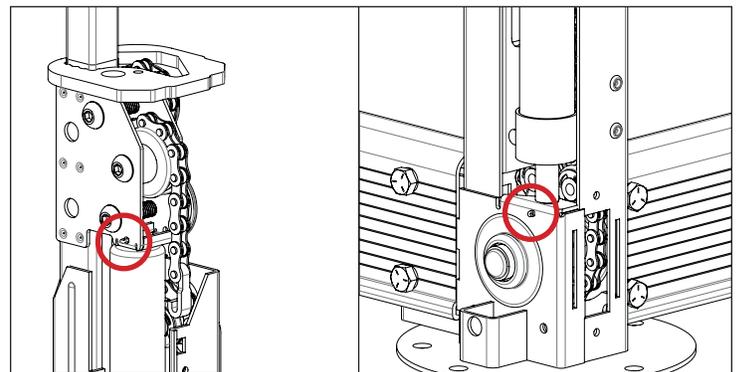


IMAGE 9

- 4) Turn the key switch to lower the cover enough to remove the chain.

- 5) Insert the chain (or metal wire according to your model) in the heat shrink tubing.

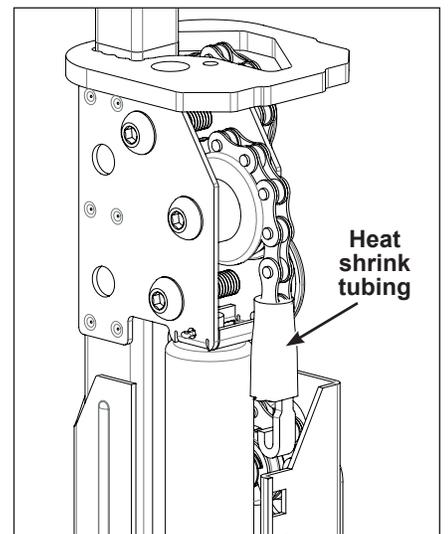


IMAGE 10

- 6) Put the hook back on the post and cover the hook with the heat shrink tubing.
- 7) Use a heat gun to shrink the heat shrink tubing on the hook.
- 8) Turn the key switch to raise the cover to put tension back on the cable, and remove the locking pliers from the inner jack tube.
- 9) Turn the key switch to lower the jacks.
- 10) Slide the sleeves over the jack. Be sure to align the opening at the bottom of the sleeves with the U-frame attached (see image 11).

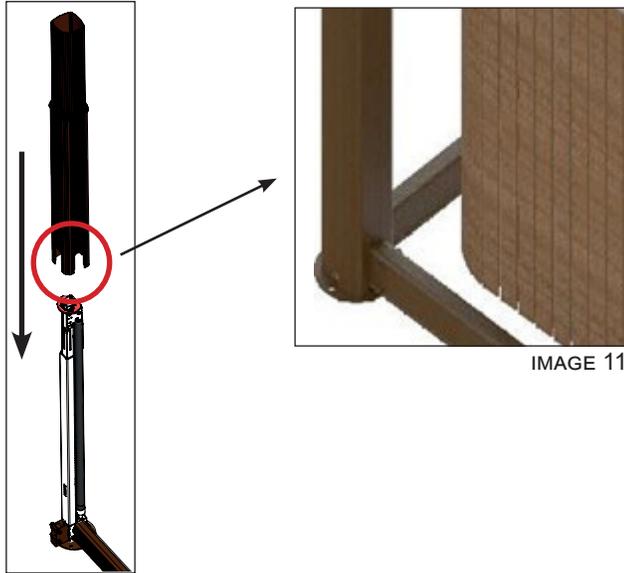


IMAGE 11

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

CAUTION

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

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

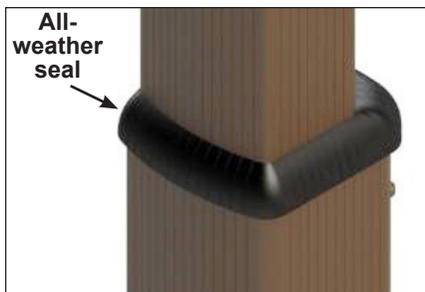


IMAGE 12

WARNING

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

- 13) Install the 3/8-24 x 1" Allen bolt with the narrow part of the bushing facing downwards using a 7/32" Allen key on each post (see image 2).

- 14) 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.
- 15) 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.

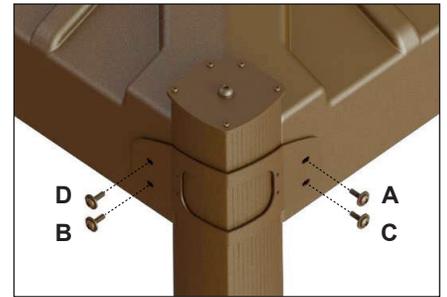


IMAGE 13

- 16) Repeat step 15 for each remaining corner bracket, follow the order of installation (1 to 4) as shown at right.



IMAGE 14

WARNING

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

- 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 11 to retighten the M6 x 20 mm screw could help.
- 18) Install the rubber cap on each post (see image 1).
- 19) Raise and lower the cover to make sur its lower and upper limits have not changed.
- 20) 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.

NOTE

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