

PRODUCT MODELS

- Evolution Cover
- Oasis Cover

PURPOSE OF THE REPAIR PROCEDURE

This repair procedure should be performed when the replacement of a stopper 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.

Version française à la page 5.

TOOLS REQUIRED

3/32", 11/32", 5/8" Keys	Robertson screwdriver	Measuring tape
3/32", 7/32" Allen keys	Phillips screwdriver	36" Level

PARTS KIT NO. 226552 (GREY)

6 x Threaded stopper	2 x Nut	6 x Round head screw
2 x Flat head screw	2 x Chamfered stopper	Loctite tube (2 ml)

PARTS KIT NO. 226553 (BLACK)

4 x Threaded stopper (aluminum)	2 x Threaded stopper (black)	
2 x Nut	6 x Round head screw	2 x Flat head screw
2 x Chamfered stopper	Loctite tube (2 ml)	

⚠ CAUTION

Black stoppers cannot be replaced by grey ones and vice versa.

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 POST WITH DEFECTIVE STOPPER(S)

- 1) Remove the rubber cap from the post with the defective stopper(s).

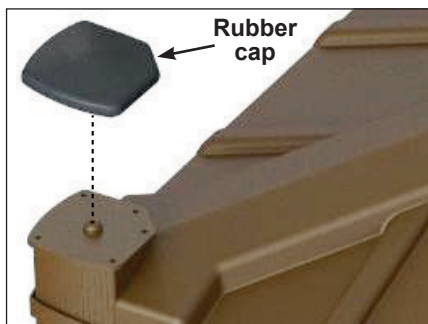


IMAGE 1

- 2) Remove the four M6 x 20 mm bolts and 5/16" painted metal washers from the post to separate it from the cover.

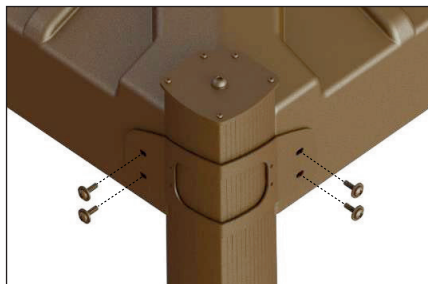


IMAGE 2

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



IMAGE 3

- 4) Remove the five no. 8 x 3/4 screws from the post using a Robertson screwdriver to remove the top plate. **Do not discard!**

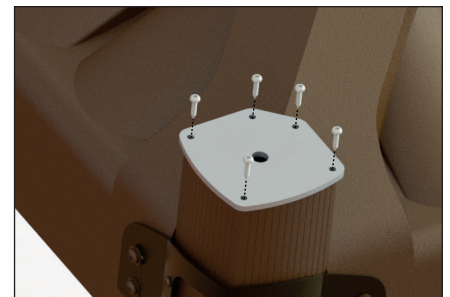


IMAGE 4

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

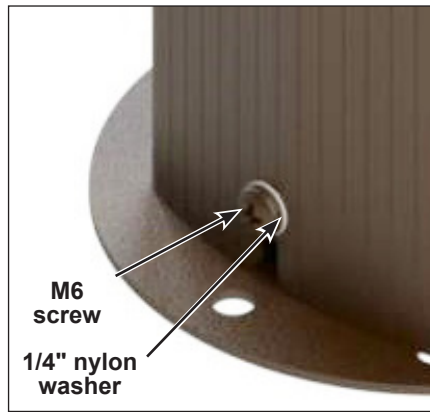


IMAGE 5

- 6) Slide the sleeves upward to remove them and place them on a clean, flat surface.

B- REPLACING DEFECTIVE STOPPER(S)

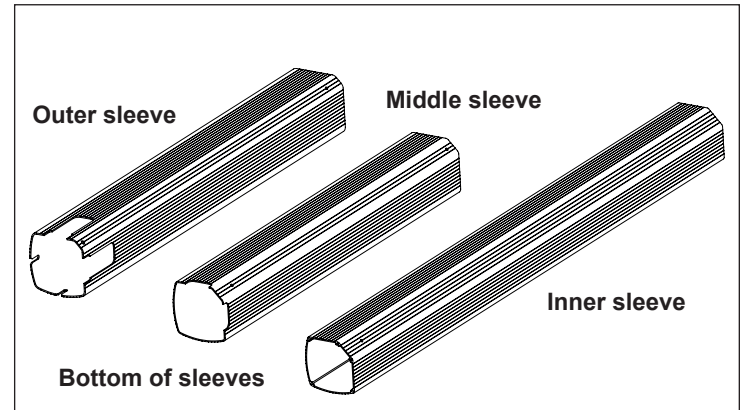


IMAGE 6

ID DESCRIPTION

A	Flat head screw
B	Nut
C	Chamfered stopper
D	Round head screw
E	Threaded stopper

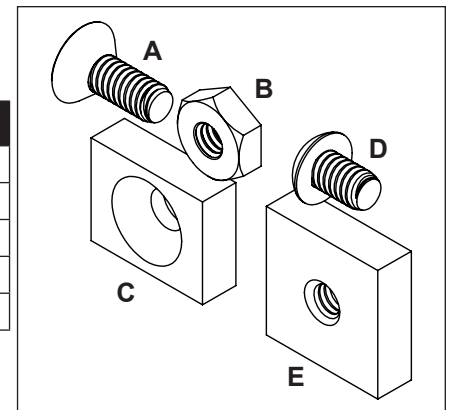


IMAGE 7

NOTE

The defective stoppers have to be removed in order to separate the three sleeves and install the new stoppers.

Location of the stoppers:

- Inner sleeve: Outside/Bottom
- Middle sleeve: Inside/Top & Outside/Bottom
- Outer sleeve: Inside/Top

- 1) Apply a drop of *Loctite* on the thread of a round head screw (D). Use that screw to secure a threaded stopper (E) in the bottom hole, located on the outside of the inner sleeve, using the 5/8" key and 3/32" Allen key.



IMAGE 8

- 2) Apply a drop of *Loctite* on the thread of a round head screw (D). Use that screw to secure a threaded stopper (E) in the top hole, located on the inside of the middle sleeve, using the 5/8" key and 3/32" Allen key.

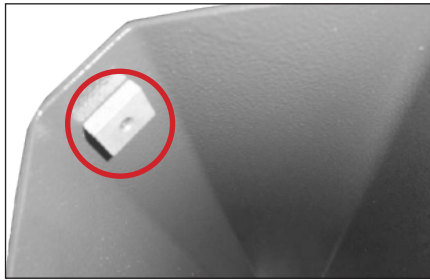


IMAGE 9

- 3) Insert the inner sleeve into the middle sleeve. Make sure the hole at the bottom of the middle sleeve is unobstructed.

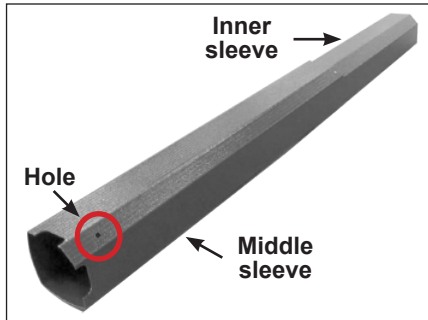


IMAGE 10

- 4) Apply a drop of *Loctite* on the thread of a flat head screw (A). Use that screw and a nut (B) to secure a chamfered stopper (C) in the bottom hole, located on the outside of the middle sleeve, using the 5/8" key and 3/32" Allen key.

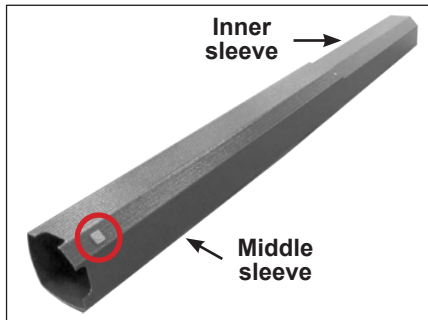


IMAGE 11

- 5) Apply a drop of *Loctite* on the thread of a round head screw (D). Use that screw to secure a threaded stopper (E) in the top hole, located on the inside of the outer sleeve, using the 5/8" key and 3/32" Allen key.

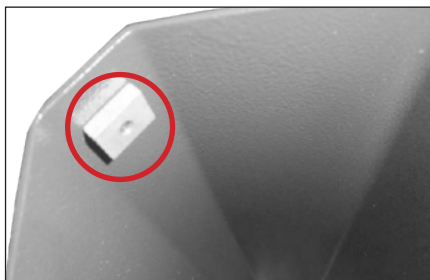


IMAGE 12

- 6) Insert the outer sleeve over the two other sleeves.

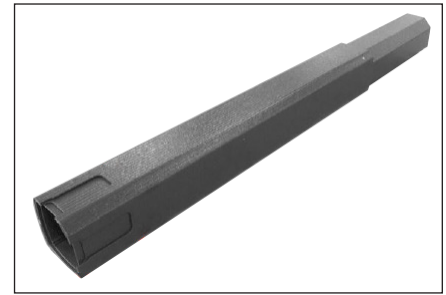


IMAGE 13

- 7) Once the assembly is completed, insert the all-weather seal over the inner sleeve, and slide it all the way down against the outer sleeve.
- 8) Verify the installation of the stoppers by extending the three sleeves by hand. When extending the inner sleeve, the middle sleeve should follow, and then block on the outer sleeve so as not to come out.

C- REINSTALLING THE SLEEVES

- 1) 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 14).

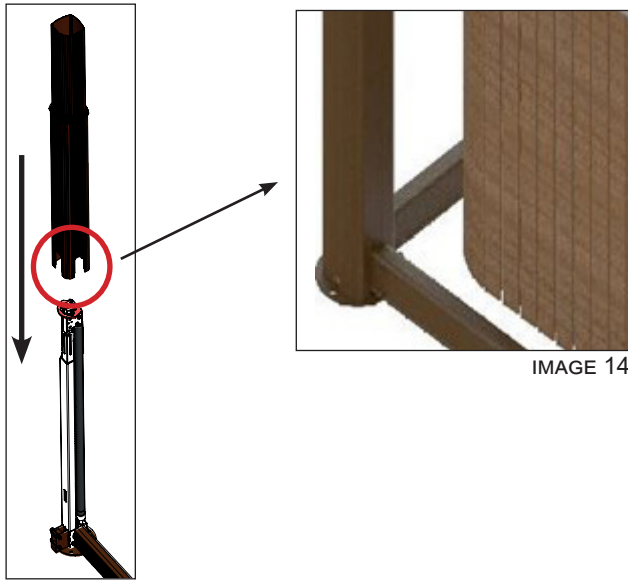


IMAGE 14

- 2) Tighten the Phillips M6 x 20 mm screw at the bottom of the post (see image 5).

⚠ CAUTION

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

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

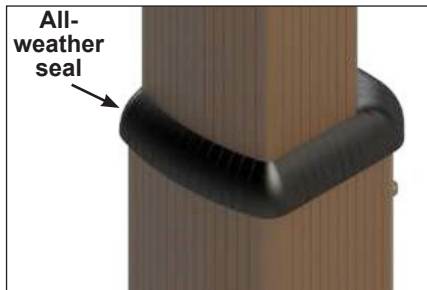


IMAGE 15

⚠ WARNING

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

- 4) Carefully fasten the top plate to the post using the five previously removed screws (see image 4).
- 5) 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 the post (see image 3).
- 6) Ensure the cover is still centered using a measuring tape on all four sides. Also, verify whether all the posts are vertically leveled with a 36" level.

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

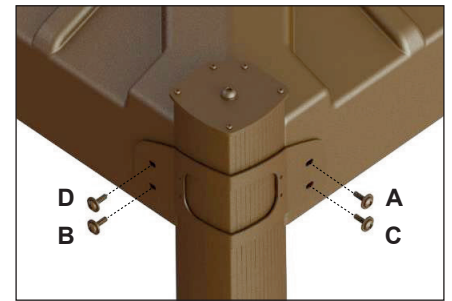


IMAGE 16

⚠ WARNING

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

- 8) 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 a 36" 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 2 to retighten the M6 x 20 mm screw could help.
- 9) Install the rubber cap on the post (see image 1).
- 10) 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 are for illustration purpose only. Actual product may vary due to the different models this procedure is intended for.