

PRODUCT MODELS (North America & Europe)

- Oasis Cover

PURPOSE OF THE REPAIR PROCEDURE

This repair procedure should be performed when the LED lighting system of the Oasis spa cover fails.

Version française à la page 4.

PREPARATION

- The cover must be closed.
- Gather the required tools, as seen in the table below.

TOOLS REQUIRED

Multimeter	Phillips screwdriver	36" long level
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⚠ 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- OPERATOR OR INNER SHELL ISSUE?

- 1) To determine if the lighting issue is coming from the operator or from the inner shell, test the voltage at the base of the wire guard located on the right motor post. To do so, disconnect the bottom harness from the wire guard connector (see image 1), set the multimeter to the 20 VDC setting, and measure the voltage in the bottom harness.
If the result is 0 VDC, proceed to the Operator Section (B).
If the result is 12 VDC, proceed to the Inner shell Section (C).

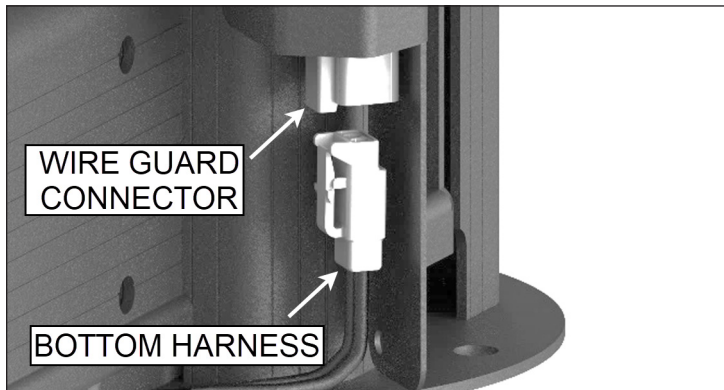


IMAGE 1

B- OPERATOR

- 1) Remove the four screws holding the operator cover in place. Lift the cover and set it aside.



IMAGE 2

- 2) Set the multimeter to the 200 VAC setting.
- 3) Put one test probe on the first screw **A** and the other probe on the second screw **B** as illustrated in image 3.

North American model:

The result should be 120 VAC.
If the result is less than 120 VAC, check the power input coming from the electrical panel.

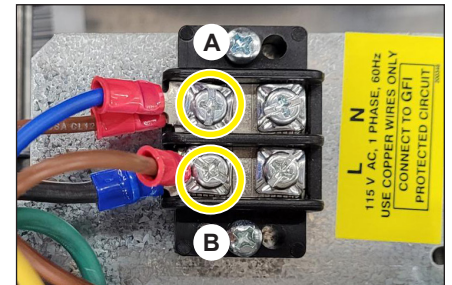


IMAGE 3-A

European model:

The result should be 230 VAC.
If the result is less than 230 VAC, check the power input coming from the electrical panel.

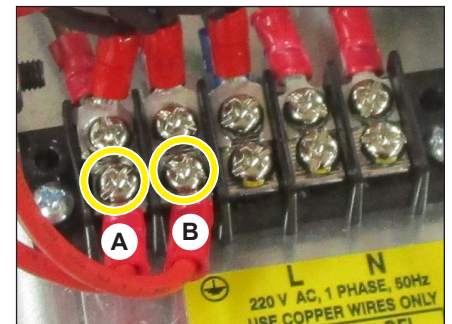


IMAGE 3-B

Then, put one test probe on **C** and the other probe on **D**. The result should be 230 VAC.
If the result is less than 230 VAC, replace the EMI filter.

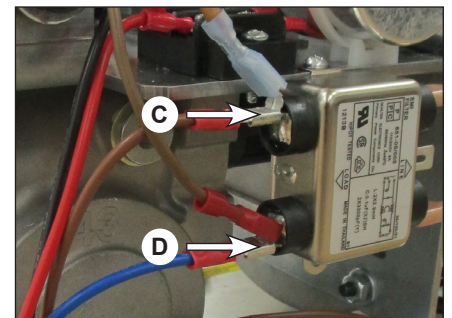


IMAGE 4

- Set the multimeter to the 20 VDC setting. Put one test probe on the first screw **E** and the other probe on the second screw **F** as illustrated in image 5.

If the result is 12 VDC, replace the bottom harness pack.

If the result is 0 VDC, replace the power supply.

North American model

European model

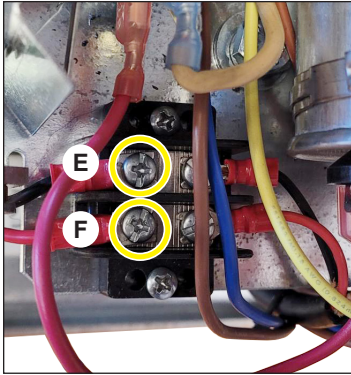


IMAGE 5-A

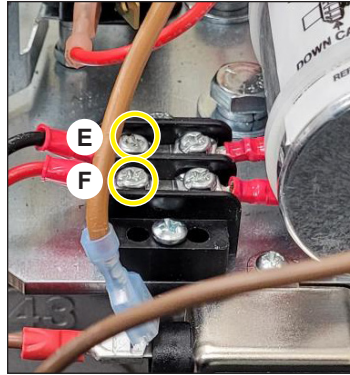


IMAGE 5-B

- Place the cover back on the operator and secure it with the four previously remove screws.

C- INNER SHELL

- Remove the four M6 x 20 mm bolts and 5/16" painted metal washers from each post to separate the cover from its posts.

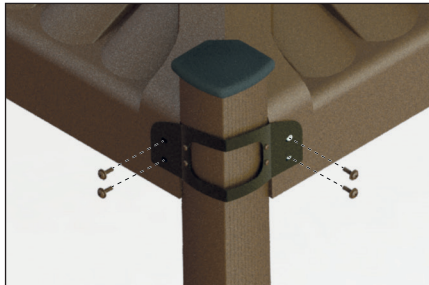


IMAGE 6

Do not discard! Leave the bracket attached to the sleeve.

- With the help of another person, separate the cover in two parts to be able to remove the outer shell. To do so, push inwards on the steel frame of the inner shell; this will clear the metal inserts from the outer shell slots to give better leverage. Then, carefully lift the outer shell from the cover and put it aside, in a safe place (see image 7).

NOTE

Only lift the outer shell, leaving the inner shell in place.

CAUTION

To avoid damaging the outer shell, make sure it doesn't come in contact with the steel frame.

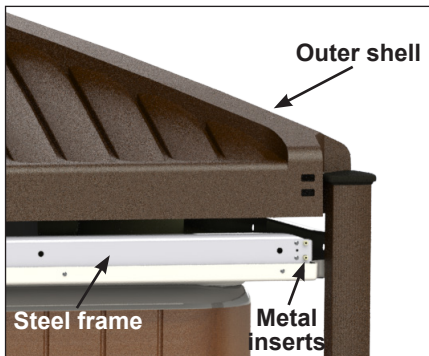


IMAGE 7

CAUTION

Ensure all the screws from step 1 are removed.

When handling the cover, two people must support the outer shell with both hands. A wide grip is recommended when handling the outer shell, as all four sides must be lifted equally.

Failure to follow these instructions will cause permanent damage to the outer shell.

C1- COVER WITH AC OPERATED LIGHT

- Set the multimeter to the 20 VDC setting.
- Put both test probes in the connector located near the wire accumulator corner of the inner shell (as shown in image 8). The result should be 12 VDC.

If the result is 0 VDC, replace the wire accumulator harness.

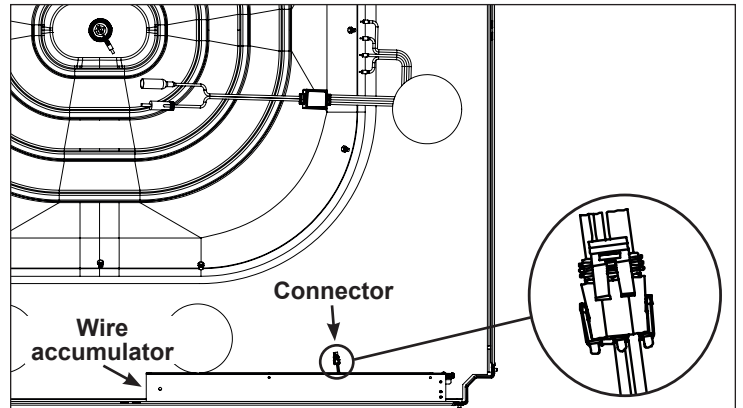


IMAGE 8

- Put one test probe on the **G** and one on the **H** sections (as shown in image 9) of the push button located in a corner of the inner shell (opposite of the wire accumulator corner).

The result should be 12 VDC when turned OFF, and 0 VDC when turned ON.

If the result is 12 VDC, in the ON and OFF positions, replace the push button.

If the result is 0 VDC, replace the wire.

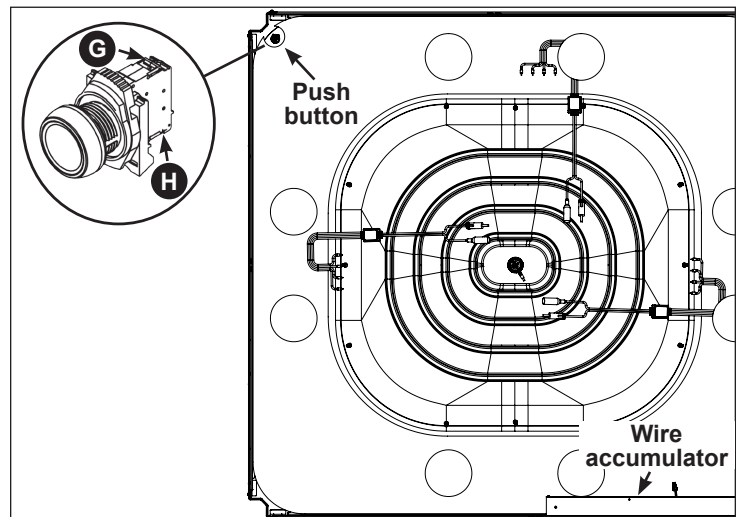


IMAGE 9

NOTE

Another way to test the push button is to check the diode with the *continuity* function of the multimeter.

Cut power off at the electrical panel and put the probes on the **Ⓒ** and **Ⓓ** sections (as shown in image 9). The result should be 1 when turned OFF and 0 when turned ON.

- Unplug both wires as shown in image 10, and put one test probe in one connector **Ⓘ** and the other probe in the other connector **⓵**.

If the result is 12 VDC, but the light doesn't turn on, replace the center bulb.

If the result is 0 VDC, replace the wiring.

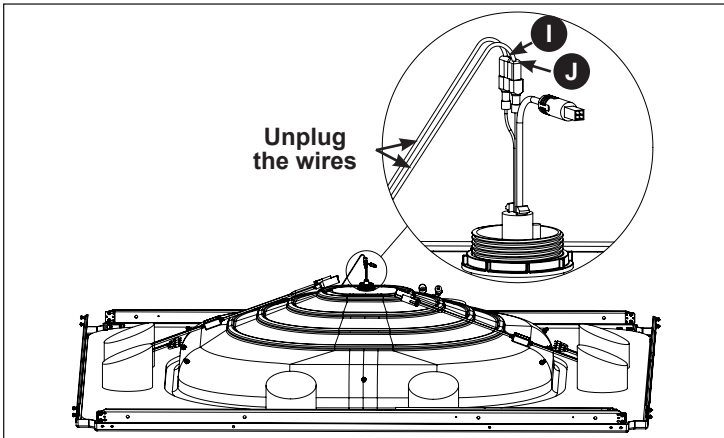


IMAGE 10

C2- COVER WITH BATTERY OPERATED LIGHT

- Test the voltage of the battery located in one of the corners (see image 11). The result should be 12 VDC.

If the result is less than 12 VDC, replace the battery and check the *SunSaver* (refer to the *SunSaver* Installation manual if need be).

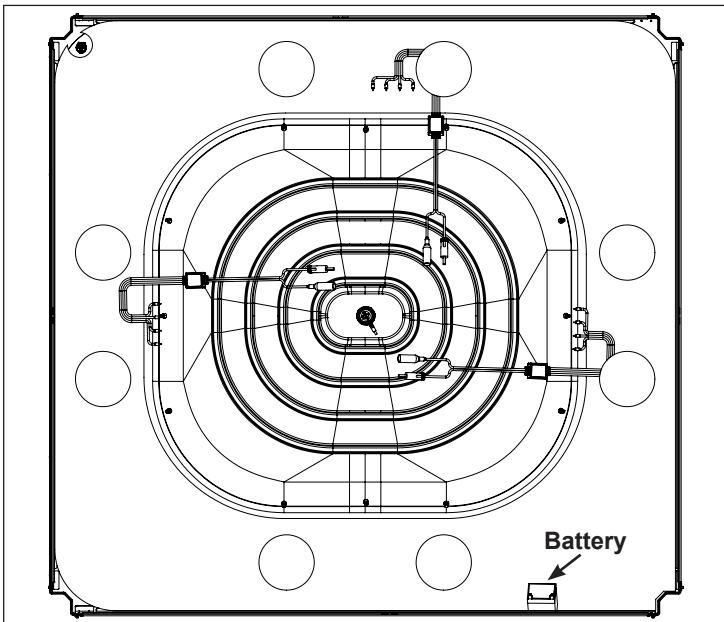


IMAGE 11

- Perform steps 3 and 4 of C1 Section on pages 2 and 3.

D- OUTER SHELL REINSTALLATION

- Install the outer shell on the inner shell. Ensure no wires are pinched in between both shells and that the inserts from the inner frame are going through the outer shell slots on all four sides of the cover.

⚠ CAUTION

When reinstalling the outer shell, ensure that all the steel frames are inside of it. In addition, check all the metal inserts before continuing.

When handling the cover, two people must support the outer shell with both hands. A wide grip is recommended when handling the outer shell, as all four sides must be lifted equally.

Failure to follow these instructions will cause permanent damage to the outer shell.

- 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.

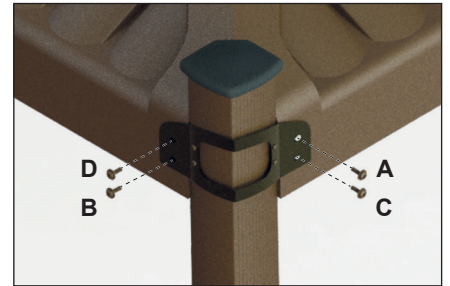


IMAGE 12

- Repeat step 2 for each remaining corner bracket, follow the order of installation (1 to 4) as shown at right.

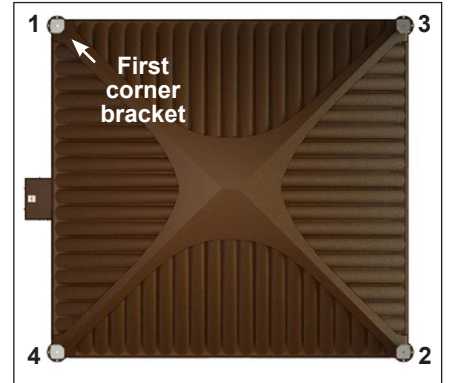


IMAGE 13

- Lift the cover to 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.
- 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.