

WINTERIZING

If you plan on winterizing your spa during the cold season, Covana recommends winterizing the cover as well. This process prevents any potential damage to the cover and minimizes the risk of freezing water damage to the spa.

These instructions are relevant for anyone who plans to stop using the spa for a long period of time or if the temperature goes below the freezing point.

Please follow these instructions:

1. Clean the cover completely to remove any dust, greasy residue or any other dirt from all surfaces
2. Prepare the spa for closure by following the spa manufacturer's winterization instructions
3. Completely close the cover on the spa. Make sure the seal touches the whole perimeter of the spa
4. Shut off the power of the cover. This can be done by shutting off and securing the circuit breaker powering the cover
5. Install a waterproof canvas over the cover
6. Install a waterproof protection canvas over the operator
7. For regions with a long seasonal snowfall, remove excessive snow accumulation regularly or after a heavy snowfall to avoid damage to the structure of the cover. Do not let more than 12" (30 cm) of snow accumulate on the cover

Using any type of fabric or plastic canvas to cover the Covana cover during hot weather may damage the components. Only use such protection for the winterization procedure and during the cold season. Remove any type of cover or plastic canvas as soon as seasonal temperatures are higher than the freezing point.

WASHING THE COVER

Washing the cover is an essential part to maintain and keep it in the best running conditions. Clean your cover as needed or when dirt, debris or leaves are present. We also recommend cleaning your cover before and after winterization.

TOOLS & PRODUCTS TO USE

Use a 1% solution of household dish soap. The cleaner is required to have a neutral pH (pH range 6.5-7.5). Use a soft plastic brush, Sponge or Cloth

METHOD:

1. Rinse the cover with water in order to remove any large accumulated debris
2. Apply the soap solution, working it across the surface in a scrubbing or circular motion. The surface of the outer shell can be cleaned with a sponge, cloth or a soft plastic brush
3. Quickly rinse very thoroughly to remove all traces of soap; otherwise, a film will build up giving the cover a dull, dirty appearance

Never use a pressure washer or high pressure to clean the cover. The high pressure could puncture the outershell. Never use harsh detergents that may cause a chemical reaction and permanently damage the surface. Do not use abrasive cleaners. Do not use a cleaner or stain remover that contains chlorinated hydrocarbons or aromatic hydrocarbons.

POST-GREASING

This unit will require the following greasing maintenance to ensure the best performance. The internal jacks require yearly greasing. Early in the fall season is the best time. The "Mobil Epic EP MOLY Grease" is recommended for cold and hot climates. Ideally, a sprayable grease or an equivalent low temperature synthetic grease.

The posts will not lift by unscrewing the post covers. Only the motor can raise or lower the posts.

POST-GREASING PROCEDURE



FIGURE 70: RUBBER CAP REMOVAL

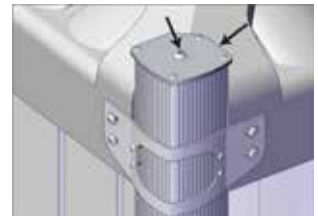


FIGURE 71: SCREW REMOVAL

1. Lower the roof until it is fully closed
2. Remove the rubber cap on top of each post, see Fig. 70.
3. Remove the five screws on the top plate of each post, see Fig. 71

- Remove the center screw and bushing from each post. Keep the top plates, screws, and bushings in a safe location, see Fig. 71
- Raise the jacks with the key switch. The four internal jacks will raise but the cover should stay in place, see Fig. 72

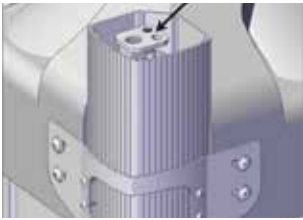


FIGURE 72: INTERNAL JACK



FIGURE 73: JACKS RAISING

Failure to remove all four top plates will result in important damages to your cover. Keep in mind that the screws may break or strip if the torque is too much when using power tools.

- Raise the jacks until they reach the max. height, see Fig. 73

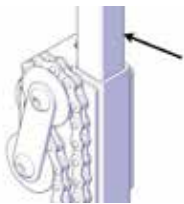


FIGURE 74: SLIDING PARTS GREASING



FIGURE 75: JACK CHAINS

- Spray grease on all the sliding parts and mechanical components of all four jacks, see Fig. 74
- Inspect the chains for signs of deterioration. If this is the case, call Boldt Pools & Spas, see Fig. 75
- Cycle the system up and down and inspect if any further grease should be added
- Lower the system completely until it stops automatically
- For each post, re-install the top plate with the five screws, as well as the hexagonal head screw and bushing

Keep in mind that the screws may break or strip if the torque is too much when using power tools.

- Reinstall the rubber cap on top of each post

CHAIN LUBRICATION

This procedure shows how to lubricate the transmission power chain attached to the operator. The "Mobil Epic EP MOLY Grease" is recommended for cold and hot climates. Ideally, a sprayable grease or an equivalent low temperature synthetic grease.



Two separate chains are attached to the operator (left & right). Do not remove the U-Frame protecting the chains.

PROCEDURE

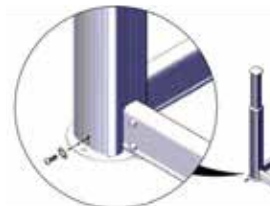


FIGURE 77: SLEEVE BOTTOM SCREW

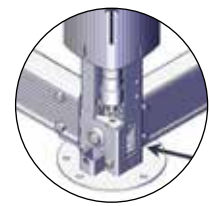


FIGURE 78: ACCESS TO THE CHAINS

- Partially unscrew the M6 x 20 mm Phillips screw located at the base of the external sleeve of the post, see Fig. 77
- Lift up the sleeve by hand and keep it safely in position with a wooden block, see Fig. 78
- Locate the chain inside the post. The opening at the bottom of the post allows access to the chain, see Fig. 78
- Spray the chain lightly with grease while another operator cycles the cover up and down with the key switch
- Lower the sleeve. Make sure the int./ext. tooth lockwasher is outside of the sleeve. Tighten the M6 x 20 mm Phillips screw
- Repeat previous steps with the opposite post

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TASKS	FREQUENCY				
	EACH USE	WEEKLY	EVERY 3 MONTHS	YEARLY	AS NEEDED
Perform a visual inspection (debris, snow, ice, etc.) .	X				
Check that the sleeves are correctly positioned. (Middle sleeves are not out of their normal position).	X				
Verify if all-weather seals are correctly positioned (in contact with the outer sleeves when the cover is closed).	X				
Listen to any unusual noises during operation.	X				
Verify the shades to prevent wrinkles; adjust the brackets if needed.		X			
Verify the seal around the cover (no vapor steam leakage).		X			
Verify the lifting mechanism by raising and lowering the cover.		X			
Verify the anchoring of the cover.*				X	
Test the GFCI.			X		
Check the tension of the chains on all posts and in the U-frame. *				X	
Lubricate chains on all posts and in the U-frame. *				X	
Grease the jack assemblies. *				X	
Wash the cover with a mild detergent (i.e., dishwashing detergent) and water. Rinse well using only water.					X

*Contact Boldt Pools & Spas

Please call Boldt Pools & Spas for any mechanical, electrical or aesthetic maintenance.