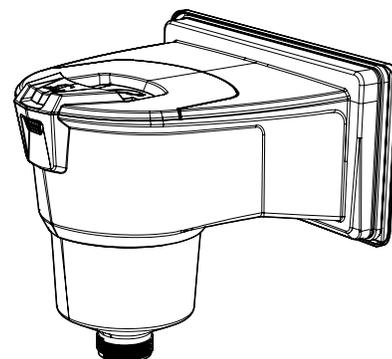
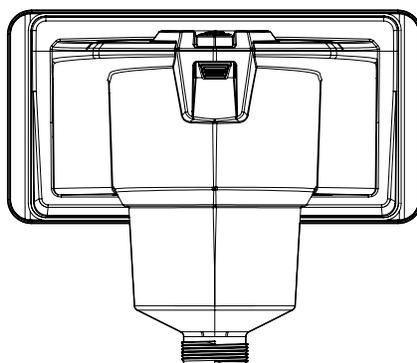
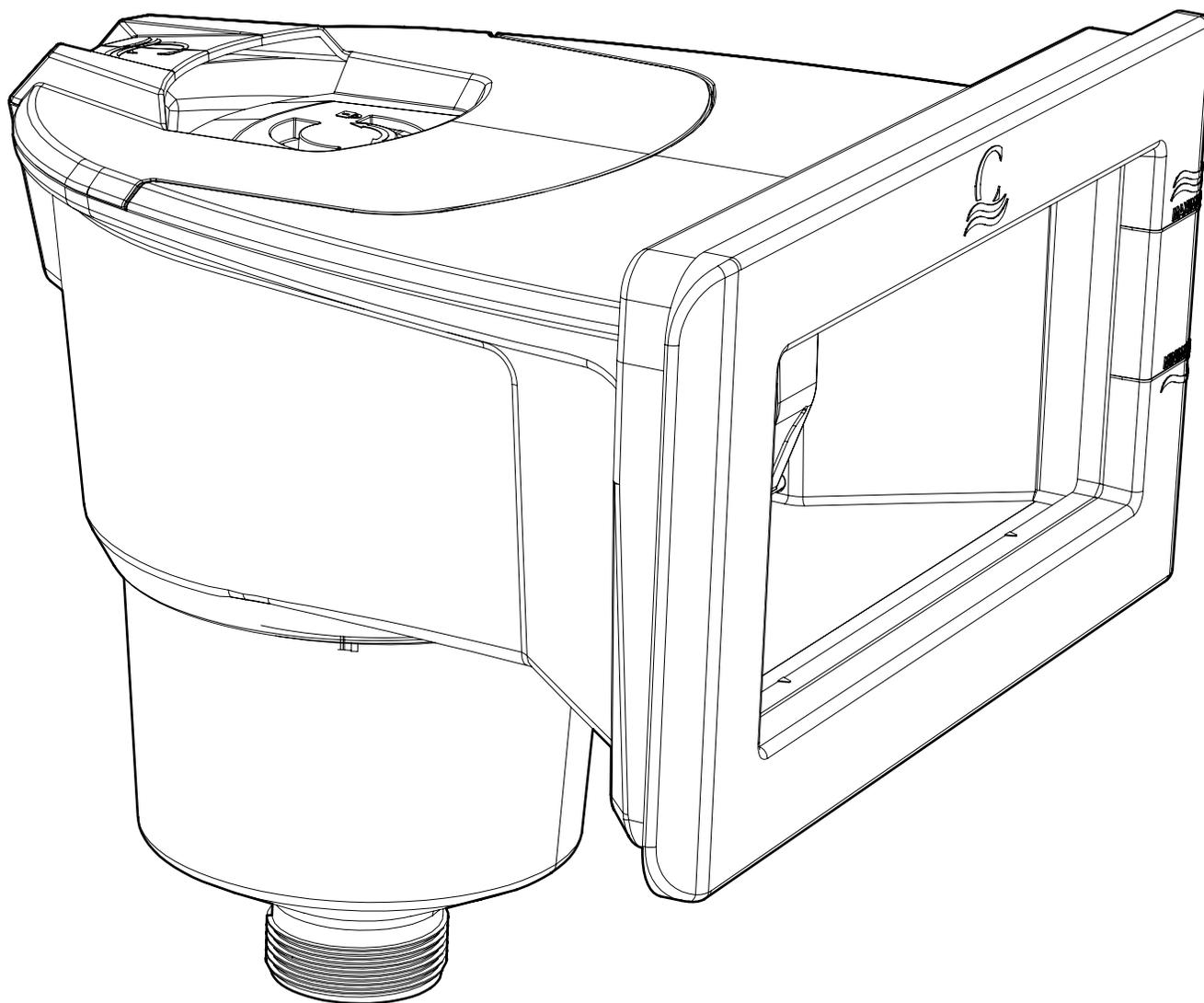
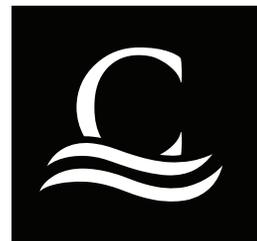


# SKIMTECH 500

User Manual for Above-Ground skimmer



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## INTRODUCTION

Thank you for purchasing a CARVIN® SkimTech 500 above ground pool skimmer ("Product").

We want to help you get the best results from your new Product and operate it safely. This manual contains information on how to do that; please read it carefully before installing and using the pool. If a problem should arise, or if you have any questions about your product, consult an authorized CARVIN® retailer or distributor.

All the information in this manual is based on the latest Product information available at the time of publication. The manufacturer reserves the right to make changes at any time without notice and without incurring any obligation. No part of this publication may be reproduced without written permission.

## READ AND FOLLOW ALL INSTRUCTIONS

Review all instructions provided with the product prior to its installation, startup, operation, shutdown, maintenance or winterization. Failure to follow warnings and safety messages may result in property damage or personal injury. The user assumes the bodily or material risks arising from any improper use of this product.

## SAVE THESE INSTRUCTIONS

This manual should be considered a permanent part of the product and should remain with the product if resold.

## IMPORTANT SAFETY INSTRUCTIONS

Your safety and the safety of others are very important.

This manual provides important safety messages. A safety message alerts you to potential hazards that could hurt you or others. Each safety message is identified by a black box and one of three words, DANGER, WARNING, or CAUTION.

## SUPPORT

To obtain support for this Product, visit [carvinpool.com/support](http://carvinpool.com/support) and refer to Consumer Information section of this manual.

# INSTALLATION

Before starting the installation of your skimmer & return, make sure you have all the necessary tools listed below. Check the contents in the box make sure everything is there before starting your installation. All parts included in the box are important and should all be installed. If parts are left out from the installation, this could cause serious failure of the skimmer and return. Once the installation is started, it should be completed as soon as possible. If a part is missing or defective, please contact your CARVIN® retailer where your purchase was made.

## WARNING

The warranty of the product will be canceled if all installation requirements and guidelines are not respected.

## TOOLS

- Drill with screwdriver bit #3
- Screwdriver bit #3 Phillips or Robertson
- Sharp tool
- Sharp knife

## REQUIRED MATERIAL

- Carvin Skimmer 94114 XXX

## REQUIRED POOL EQUIPMENT

A basic circulation and filtration system **MUST BE INSTALLED**. This system includes the following products by installation order:

- Pool
- Pool pump
- Filter
- Flexible hose
- PVC-ABS glue

## IMPORTANT TO CONSIDER BEFORE INSTALLING

1. Follow the installation steps thoroughly without omitting anything. It can result in serious accidents.
2. Omitting installation steps may result in a leaking skimmer and/or leaking water return. Any leak could rust the wall and seriously damage the structure of your pool.

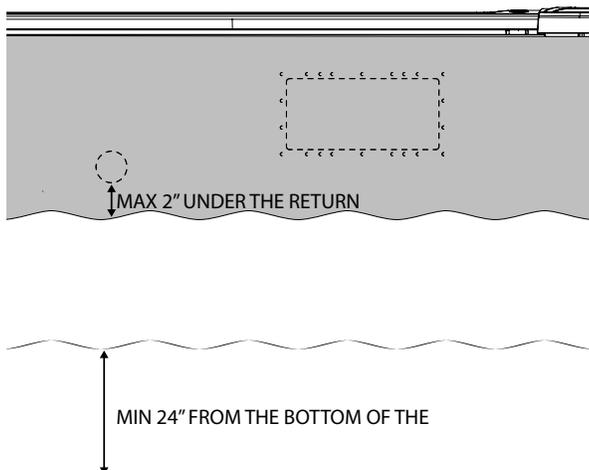
**The manufacturer of your product has no responsibility for any omission of the installation steps contained in this manual or a non-compliant installation.**

# SKIMMER INSTALLATION STEPS

## IMPORTANT

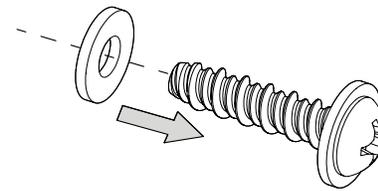
Before installing the skimmer and return make sure your pool have at least 2 ft of water. Let the liner stretch and take its position before starting any installation step.

If your pool is empty or has not enough water, it may result in a leaking skimmer and a leaking water return.



## STEP 1

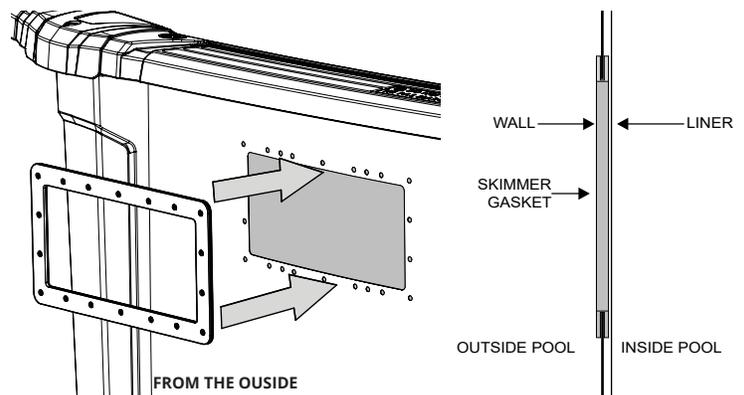
Add the sealing washer on each screw.



## STEP 2

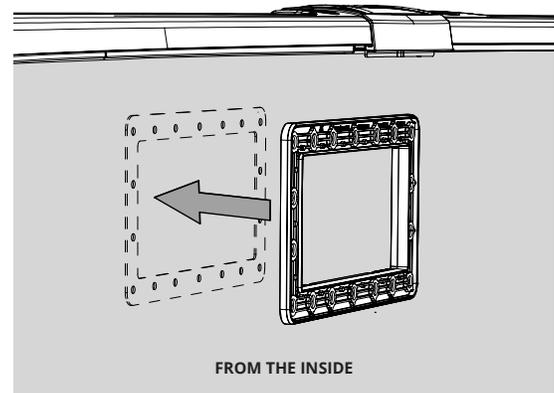
From the outside of the pool, install the gasket on the opening for the skimmer.

**Make sure the gasket is well seated all around the wall edge, gasket lips lay flat on each side of the pool wall, gasket holes aligned to the screw holes.**



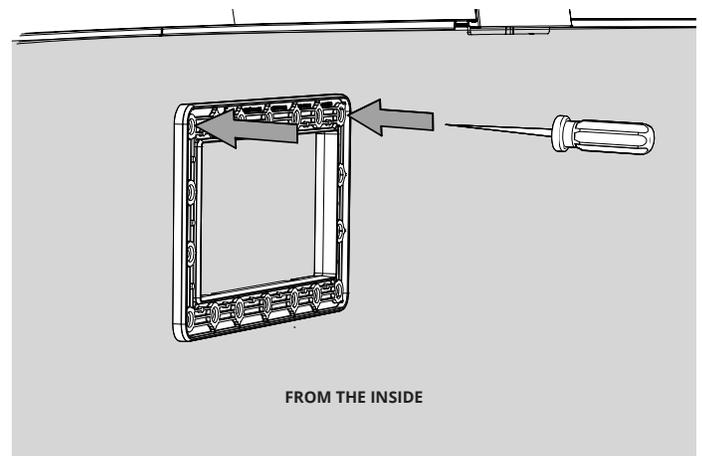
## STEP 3

From the inside of the pool, locate the cutout and gasket through the liner and press the faceplate flush to the gasket (which is underneath the liner).



## STEP 4

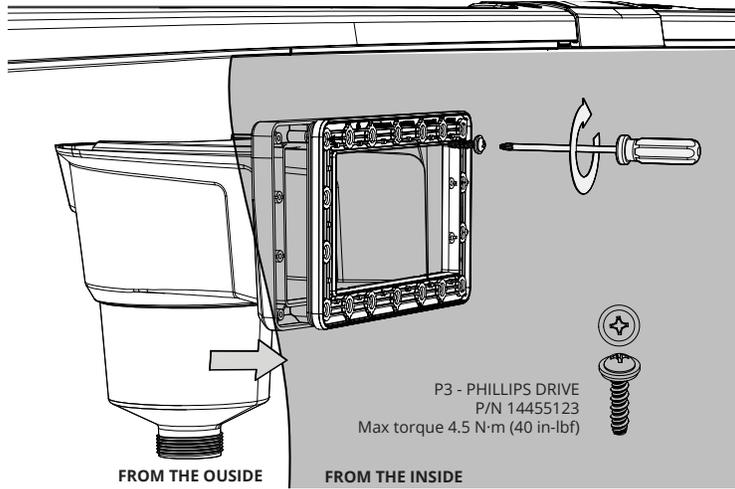
Using a sharp tool to punch the liner in the two top corner holes of the face plate



**STEP 5**

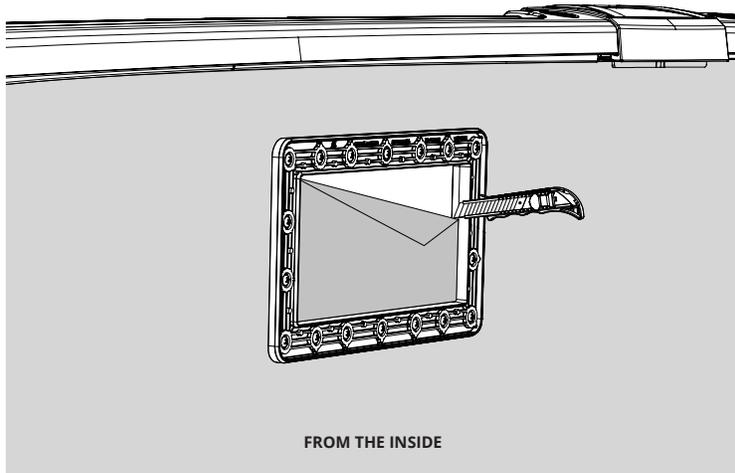
From the outside, align the skimmer body holes with the face plate holes. Install the rest of the screws, slightly tightened, **DO NOT FORGET TO ADD SEALING WASHER.**

Finally, firmly\* tighten all screws evenly, alternately left and right, top and bottom, **DO NOT FORGET TO ADD SEALING WASHER.**



**STEP 6**

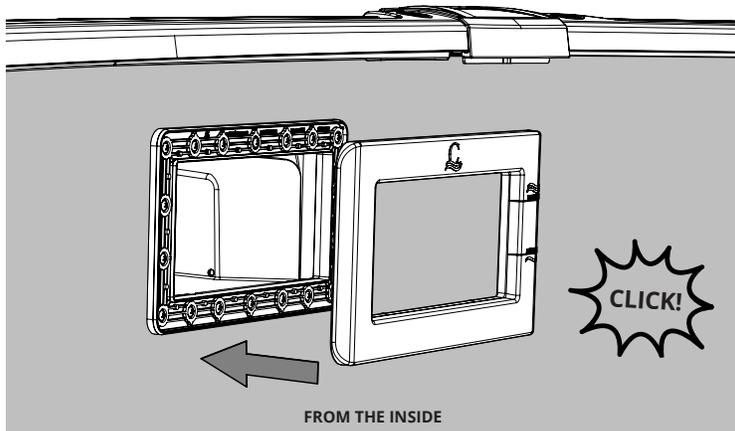
Using a razor knife, carefully trim only the liner as shown on figure below making sure not to cut the gasket.



**STEP 7**

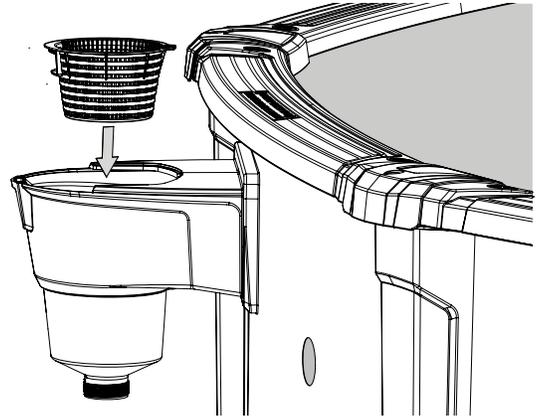
Gently insert the beauty face plate over the face plate.

Push firmly until it snaps on the face plate.



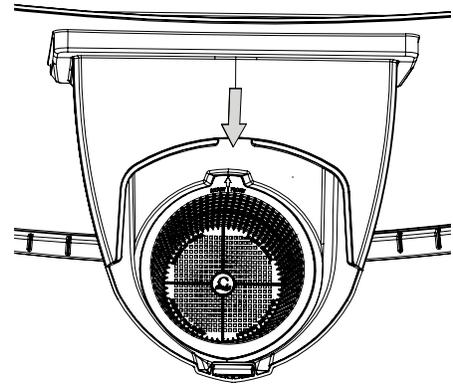
**STEP 8**

Insert basket from the top opening of the skimmer.



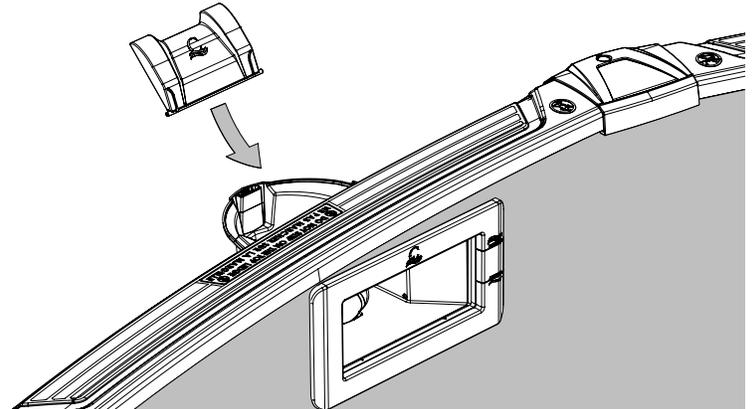
**STEP 8.1**

Position the basket by turning and inserting the locator detail in its pocket.



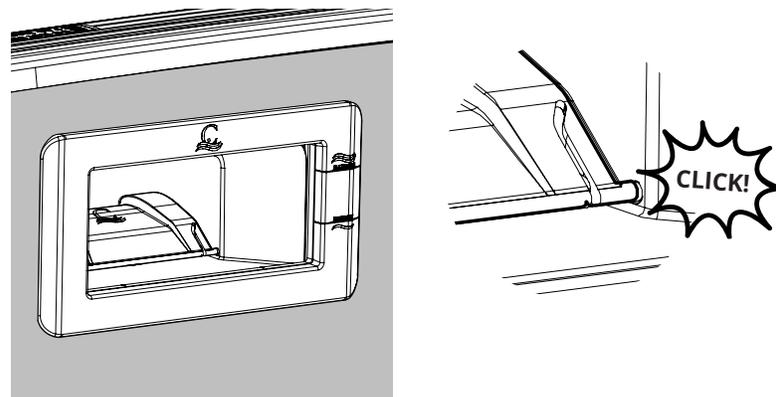
**STEP 9**

Insert weir from the top opening of the skimmer.



**STEP 9.1**

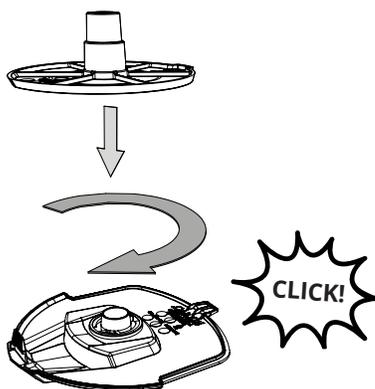
Clip the weir inside the mouth of the skimmer inserting the two posts in the holes.



**STEP 10**

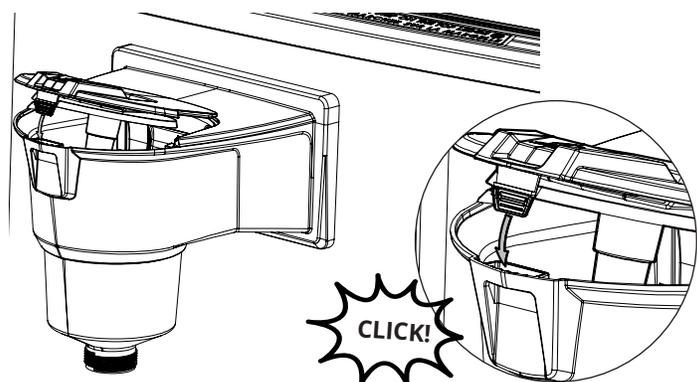
The vacuum plate is designed to be stored under the skimmer cover.

Gently insert the vacuum plate on the cover and twist a quarter turn.



**STEP 11**

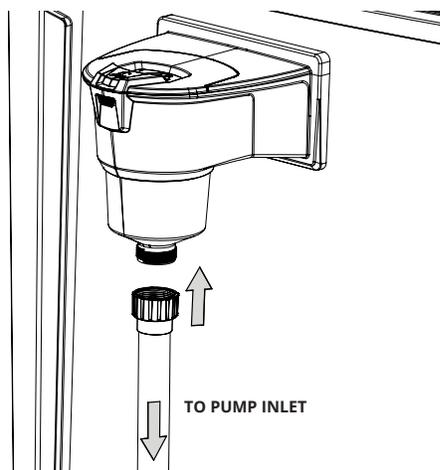
Insert front tab of the cover then rotate down the cover to lock it on the skimmer body.



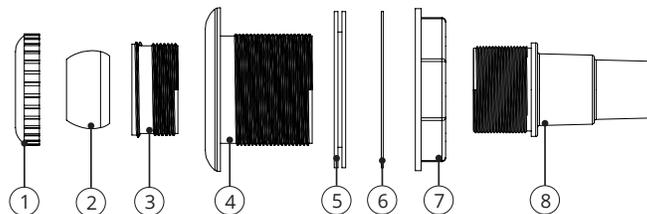
**STEP 12**

Connect the skimmer to the pump inlet.

We recommend to use a Carvin quick connect fitting (not included).



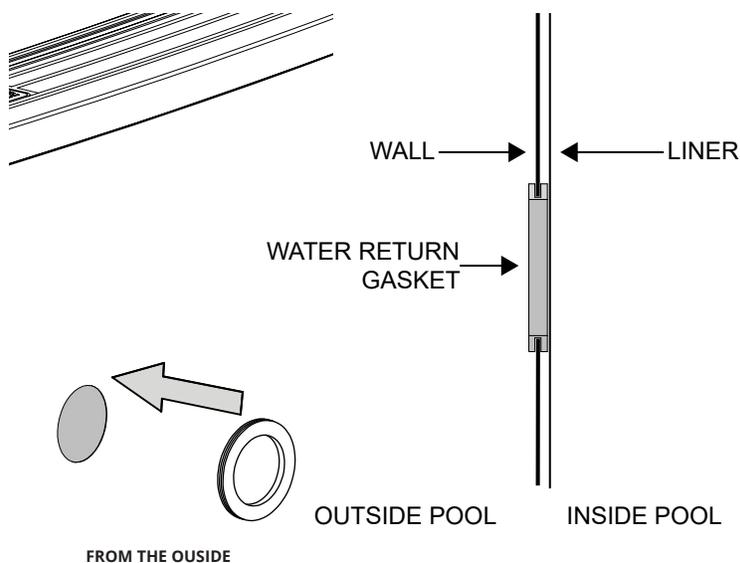
# WATER RETURN INSTALLATION STEPS



#	DESCRIPTION	QTY
1	EYEBALL NUT	1
2	EYEBALL	1
3	EYEBALL SOCKET	1
4	BODY	1
5	GASKET	1
6	PLASTIC FLAT RING	1
7	LOCK NUT	1
8	HOSE ADAPTER	1

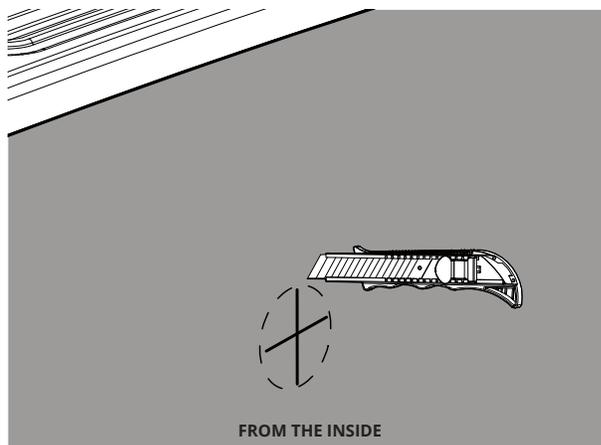
**STEP 1**

From the outside, install the gasket in the circular cutout of the pool wall. Make sure the gasket lips lay flat on the each side of the pool wall.



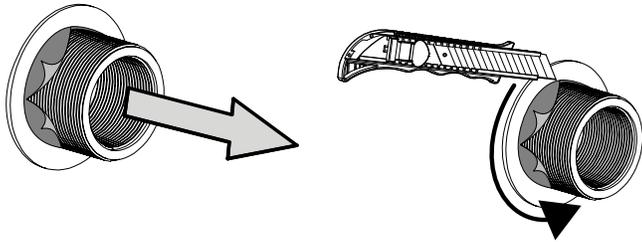
**STEP 2**

From the inside of the pool, locate the hole and gasket through the liner. Using a razor knife, carefully make 2 cuts (cross shape) in the liner as shown making sure not to cut the gasket, **IMPORTANT TO STOP THE CUTS BEFORE THE GASKET.**



**STEP 3**

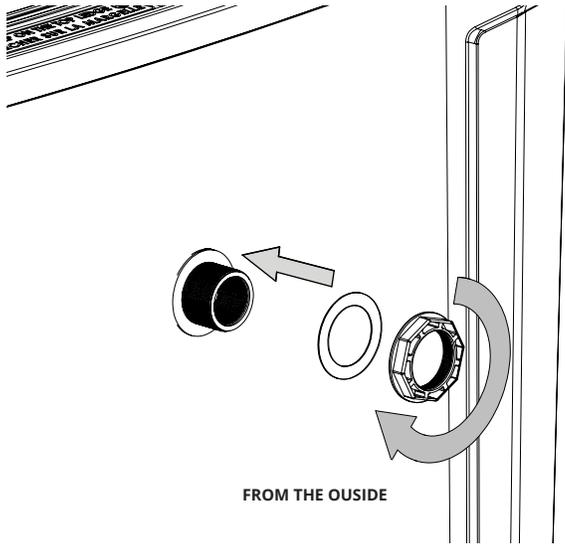
From the inside of the pool, slide the water return body part through the cuts, until it touches the wall.



FROM THE OUSIDE

**STEP 4**

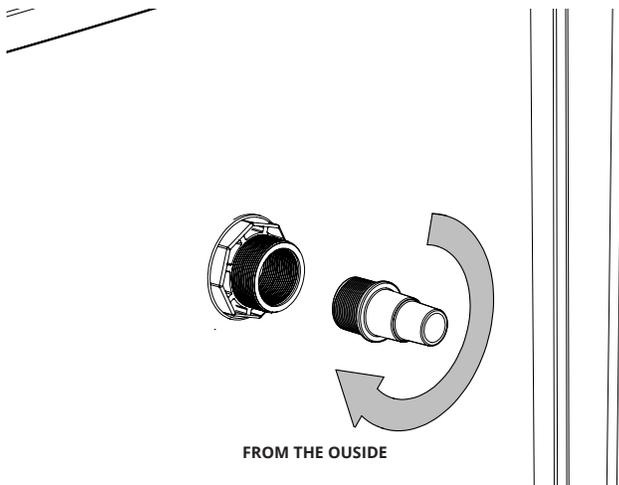
From the outside, add the plastic flat ring, then install the lock nut and firmly tight to secure the water return body.



FROM THE OUSIDE

**STEP 5**

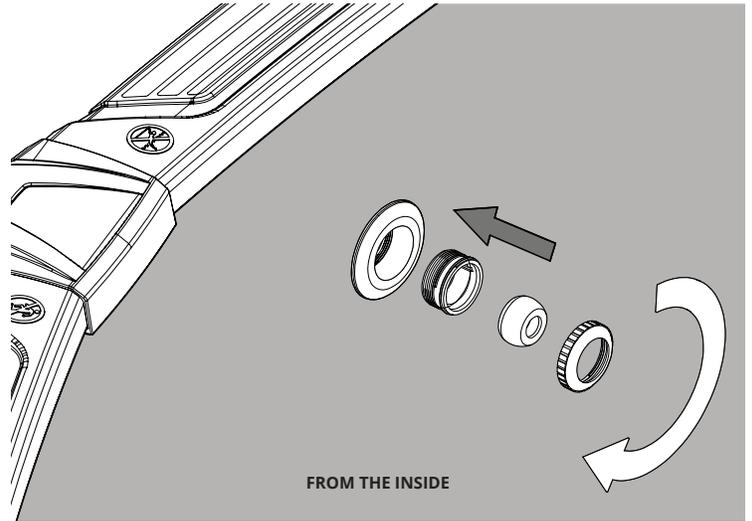
If needed, install the hose adapter.



FROM THE OUSIDE

**STEP 6**

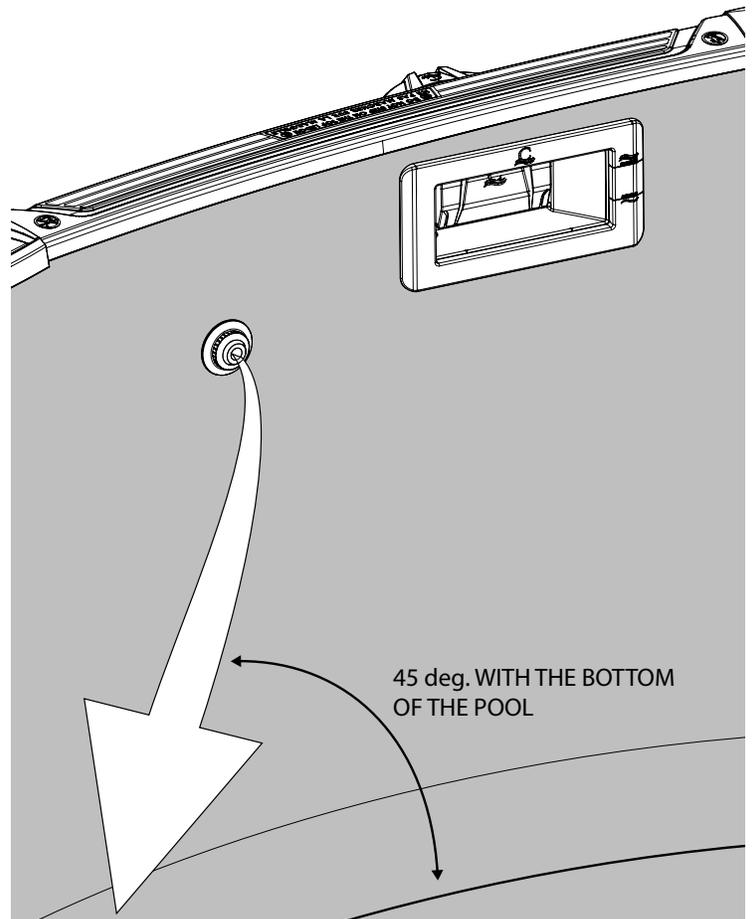
From the inside, install the adjustable eyeball parts. Do not tight the assembly, as you need to adjust the direction of the jet, **SEE NEXT STEP FOR DETAILS.**



FROM THE INSIDE

**STEP 6.1**

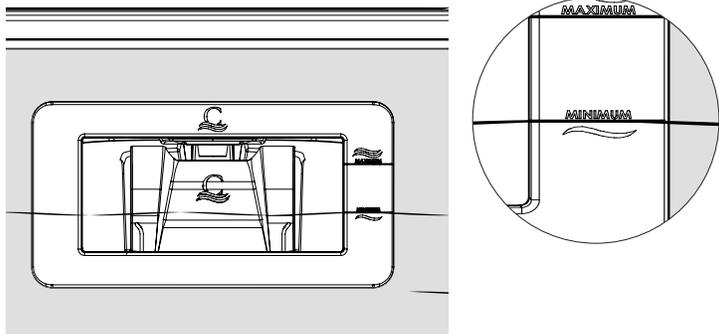
Align the eyeball away from the skimmer with a 45 degree angle with the bottom of the pool. This direction will allow a better circulation of your water.



45 deg. WITH THE BOTTOM OF THE POOL

## FILLING THE POOL

Raise the water level up to the minimum height (check the logo on the decorative plate).



From the outside, inspect your skimmer and water return to make sure there is no leak. **ANY LEAK COULD RUST THE WALL AND SERIOUSLY DAMAGE THE STRUCTURE OF YOUR POOL.**

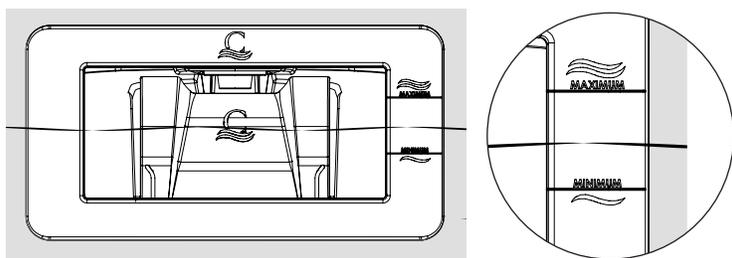
If you don't see any leak, we highly recommend to check once again after 24 hours

If you see some leak around the skimmer, you can try to tight a little bit more the skimmer screws. If you see some leak around the water return, you can try to tight a little bit more the lock nut. If it's still leaking, both for skimmer and water return, there might be an issue with your gasket positioning.

Then, you need to uninstall the skimmer and/or the water return and start again the installation following all the steps thoroughly.

## OPERATING

- 1- You can start the pump once all the components are connected.
- 2- Inspect skimmer, water return and all pipe connection to make sure there is no leak.
- 3- Inspect and empty basket skimmer periodically.
- 4- Maintain water level between the min and max marking on the beauty face plate.

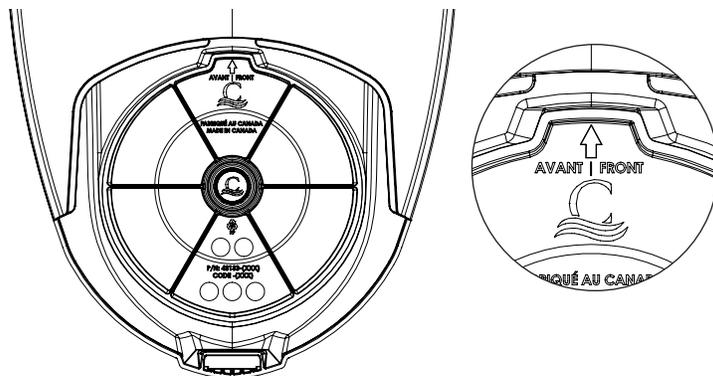


### IMPORTANT

Never pour chemical products through the skimmer. This could cause major problems and long term damage to your filtration system.

## VACUUMING

- 1- Fill the vacuum pipe using the water from the return until not more air bubble come out.
- 2- STOP the pump.
- 3- Install vacuum plate at the end of the vacuum pipe.
- 4- Place the vacuum plate in the skimmer inserting the locator details in its pocket.



- 5- START the pump and validate the vacuum is good at the end of the vacuum head brush.
- 6- If suction reduce during your pool cleaning, Stop the pump, remove the vacuum plate and clean the skimmer basket.

## WINTERIZING

### SKIMMER WINTERIZING

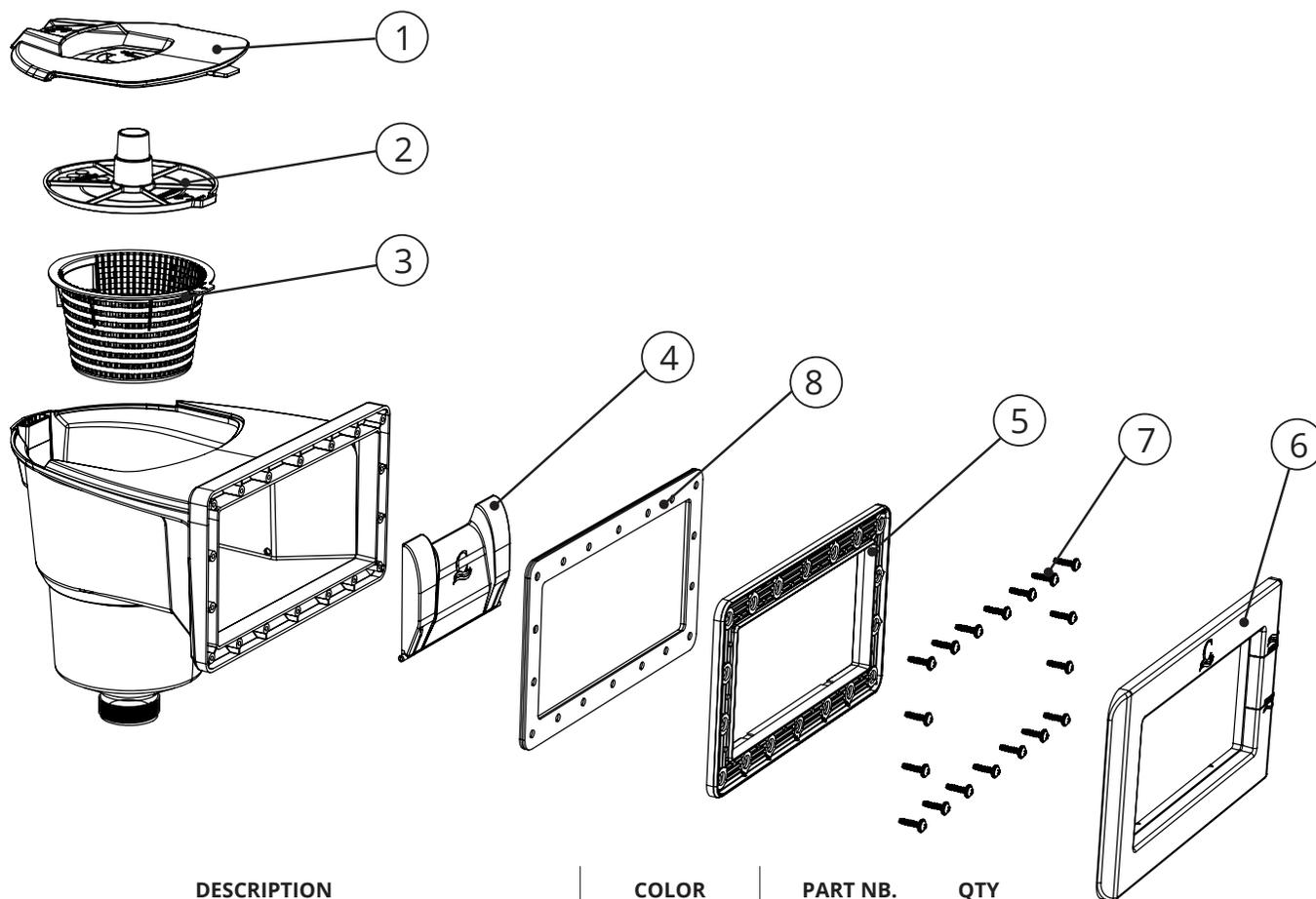
- 1- Drop water level 18" under the skimmer.
- 2- Disconnect the hose that connects the skimmer to the pump, clean the hose and store it.
- 3- Remove the basket.
- 4- Grab the pool skimmer foam kit (sold at your pool shop).
- 5- Place the round piece of foam at the bottom of your skimmer.
- 6- From the inside of the pool, place the second foam piece inside the skimmer through the mouth.
- 7- From the top, fix the foam pieces together by sliding the wooden skewer through both pieces.
- 8- Replace the cover.

### WATER RETURN

- 1- Unscrew the ring and eyeball ring and the eyeball.
- 2- Use the removal wrench (sold at your pool shop) to unscrew the internal fitting of the water return.
- 3- Insert the winterizing plug (sold at your pool shop) or a generic expandable plug to properly seal the opening.

# REPLACEMENT PARTS

Use the original CARVIN® replacement parts only.



#	DESCRIPTION	COLOR	PART NB.	QTY
<b>SKIMTECH 500 (WHITE)</b>		<b>WHITE</b>	<b>94114000</b>	<b>1</b>
1	COVER SKIMMER ABOVE GROUND CARVIN SKIMTECH 500 (WHITE)	WHITE	43131000R	1
2	VACUUM PLATE ABOVE GROUND CARVIN SKIMTECH 500 (WHITE)	WHITE	43133000R	1
3	BASKET SKIMMER ABOVE GROUND CARVIN SKIMTECH 500 (WHITE)	WHITE	43134000R	1
4	WEIR SKIMMER ABOVE GROUND CARVIN SKIMTECH 500 (WHITE)	WHITE	43132000R	1
5	FACE PLATE SKIMMER ABOVE GROUND CARVIN SKIMTECH 500 (WHITE)	WHITE	43135000R	1
6	DECORATIVE PLATE SKIMMER ABOVE GROUND CARVIN SKIMTECH 500 (WHITE)	WHITE	43136000R	1
<b>SKIMTECH 500 (GRAY)</b>		<b>GRAY</b>	<b>94114001</b>	<b>1</b>
1	COVER SKIMMER ABOVE GROUND CARVIN SKIMTECH 500 (GRAY)	GRAY	43131001R	1
2	VACUUM PLATE ABOVE GROUND CARVIN SKIMTECH 500 (GRAY)	GRAY	43133001R	1
3	BASKET SKIMMER ABOVE GROUND CARVIN SKIMTECH 500 (GRAY)	GRAY	43134001R	1
4	WEIR SKIMMER ABOVE GROUND CARVIN SKIMTECH 500 (GRAY)	GRAY	43132001R	1
5	FACE PLATE SKIMMER ABOVE GROUND CARVIN SKIMTECH 500 (GRAY)	GRAY	43135001R	1
6	DECORATIVE PLATE SKIMMER ABOVE GROUND CARVIN SKIMTECH 500 (GRAY)	GRAY	43136001R	1

## COMMUN PARTS

7	KIT 18x SCREW SS316L 12-7/8 HI-LO & 18x VITON GASKETS SKIMMER ABG		14455123	1
8	GASKET SKIMMER ABG CARVIN	WHITE	13123302R	1

# CONSUMER INFORMATION

Authorized CARVIN® retailer or distributor personnel are trained professionals. They should be able to answer any question you may have. If you encounter a problem that your retailer or distributor does not solve to your satisfaction, please discuss it with the retailer's or distributor's management. The Service Manager, General Manager, or Owner can help. Almost all problems are solved in this way.

If you are dissatisfied with the decision made by the retailer's or distributor's management, contact the CARVIN® technical support.

When you write or call, please provide the following information:

- Product model, serial number and date code;
- Name of retailer or distributor who sold the Product to you;
- The original proof of purchase showing the date of purchase;
- Your name, address and telephone number;
- A detailed description of the problem; and
- If sending an email, any relevant photos of the Product and its surroundings.

## WARRANTY

Le Groupe VIF Inc. ("VIF"), owner and manufacturer of the CARVIN® Pool Equipment brand, gives the following written Warranty on each new Product manufactured by or on behalf of VIF and distributed for sale in America.

VIF guarantees that each new Product will be free from any defects, in material or workmanship, for the Warranty period set below, under normal use and maintenance. If any defects should be found in a Product within the period set below and when VIF acknowledges that such defects are attributable to faulty material or workmanship at the time of manufacturing, at its discretion VIF will replace or repair with a new part or the CARVIN® equivalent, at no cost to the consumer for parts and labour.

The Warranty Period coverage starts from the original date of sale or when the unit

Product Model	Non-Commercial Warranty Period	Warranty Coverage
94114###	1 Year	100%

*The actual Product item number may vary from the Product model number which may include a suffix for color, packing options or else.*

This Warranty covers:

- Any Product purchased from a CARVIN® retailer or distributor authorized to sell that product in America.
- Any Product on which required maintenance services have been performed as prescribed in this manual.

This Warranty does not cover:

- Any repairs required as a result of collision, striking any object, frost, acts of God, careless use, misuse, improper installation, improper ground preparation, improper winterization, or lack of maintenance described in this manual;
- Any repairs required as a result of the failure, breakage, careless use, misuse, improper installation, or lack of maintenance of another pool equipment or accessories, such as, but not limited to, the liner, ladder, skimmer, water return, water return light, or winter cover;
- Any repairs required due to rust caused by improper installation, lack of maintenance, or leakage, of the water return, water return light, or skimmer;
- Any Product modified, altered, disassembled, or remodelled;
- Shipping related costs to and from the manufacturer;
- Installation and removal related costs; and
- Normal maintenance services or water chemistry analysis services described in this manual.

This warranty is non-transferable and applies only to the first retail buyer, and only during the period when the first retail buyer occupies the place where the product was originally installed

This warranty is non-transferable and applies only to the first retail purchaser, and only during the period when the first retail buyer occupies the place where the product was originally installed.

## REPLACEMENT PARTS AVAILABILITY

Replacement parts are available through your CARVIN® retailer or distributor.

## REPLACEMENT PARTS WARRANTY

New CARVIN® replacement parts sold to a consumer or installed by an authorized CARVIN® retailer which are not covered by this Warranty are guaranteed for a period of 3 months, however, this Replacement Parts Warranty does not apply to any replacement parts modified, used with, or installed on a Product for which the replacement parts were not intended.

## ENTIRE WRITTEN WARRANTY

This Warranty is the only and the entire written Warranty given by VIF for its Product. No retailer or his agent or employee is authorized to extend or enlarge on these warranties on behalf of VIF by any written or verbal statement or advertisement.

## TO OBTAIN WARRANTY SERVICE

You must first contact your authorized CARVIN® retailer or distributor. Please refer to section Customer Information.

Any defect must be reported to an authorized CARVIN® retailer or distributor within 72 hours to avoid potential breakage to other equipment, otherwise the warranty will not be honored.

## TECHNICAL SUPPORT INFORMATION

After following the troubleshooting section of this manual and after contacting your dealer or distributor, if you have any problems with your Product, contact CARVIN® Technical Support.

### AMERICA

Email : help@carvinpool.com  
 Phone : 1 450 250-4500 option 2  
 Fax : 1 450 250-4501  
 Toll Free : 1 866 979-4501  
 Mail : CARVIN® POOL EQUIPMENT  
 Technical Support  
 4000 boul. Casavant Ouest,  
 Saint-Hyacinthe, Québec, Canada, J2S 9E3

## DISCLAIMERS

This Product is not for sale or for resale where prohibited by law or regulations. The provisions contained in these written warranties are not intended to limit, modify, take away from, disclaim or exclude any warranties set forth in or the operation of The Consumer Products Warranties Act, 1977 (Saskatchewan), The Consumer Product Warranty and Liability Act (New Brunswick), The Consumer Protection Act (Quebec), or any other similar provincial or federal legislation.

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**Le Groupe VIF Inc.**  
 4000, boulevard Casavant Ouest, Saint-Hyacinthe  
 Québec, Canada, J2S 9E3  
[www.carvinpool.com](http://www.carvinpool.com)

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