

STARFALL™

USER MANUAL FOR POOL WATER FALL

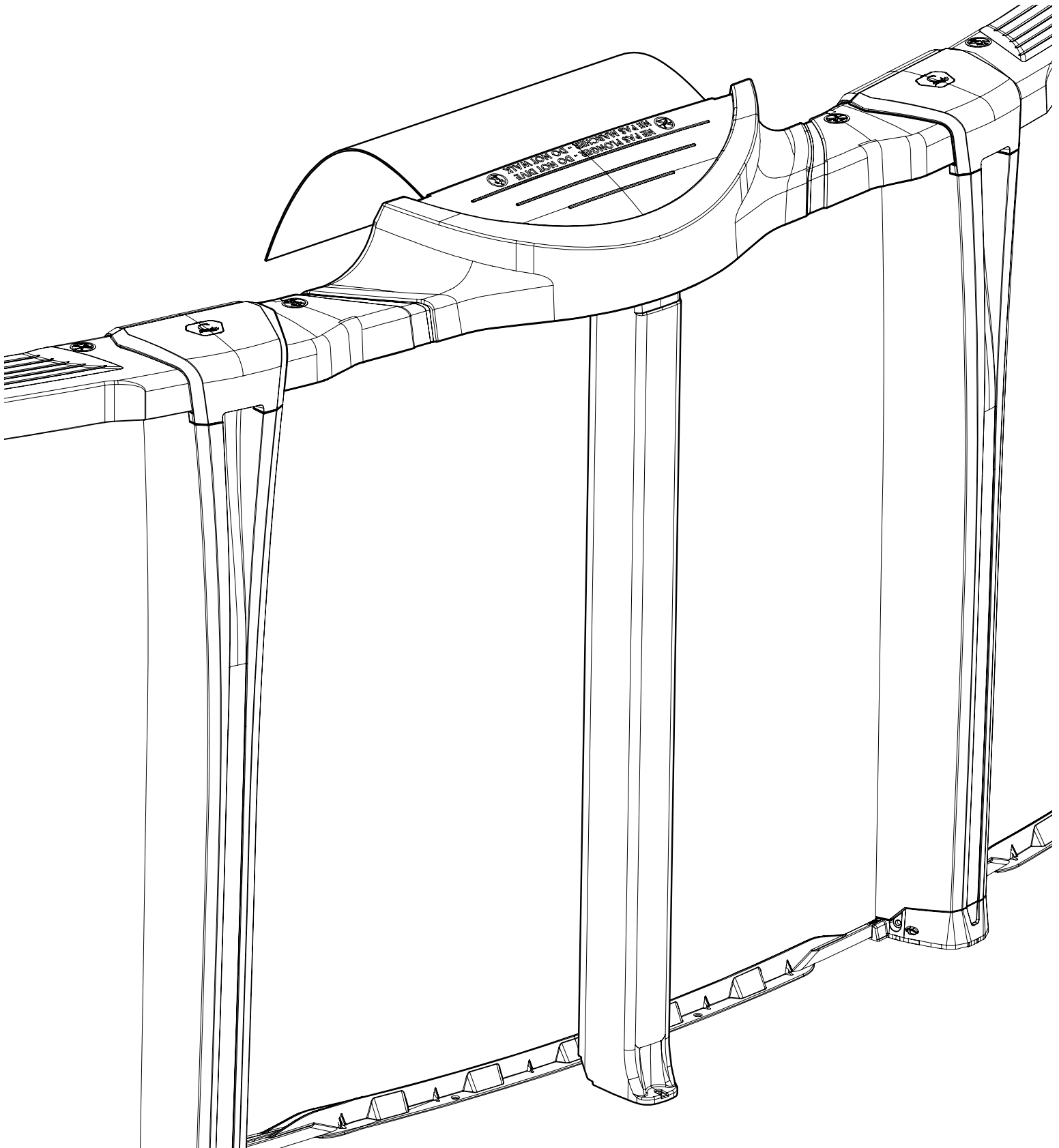
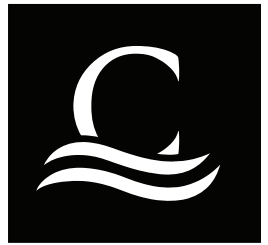


TABLE OF CONTENTS

INTRODUCTION	2
INSTALLATION	3
TOOLS	3
REQUIRED MATERIAL	3
IMPORTANT TO CONSIDER BEFORE INSTALLING	3
STARFALL™ INSTALLATION STEPS	3
TRENCH DIGGING AND HOSE CONNECTION	5
CONNECTION OF STARFALL™ TO THE FILTRATION SYSTEM	6
OPERATING	7
WINTERIZING	7
REPLACEMENT PARTS	8
CONSUMER INFORMATION	9
REPLACEMENT PARTS AVAILABILITY	9
WARRANTY	9
TECHNICAL SUPPORT INFORMATION	9

INTRODUCTION

Thank you for purchasing the CARVIN® STARFALL™ back lit waterfall set.

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.

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 marked WARNING.

INSTALLATION

Before starting the installation of your STARFALL™, 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 STARFALL™. 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.

TOOLS

- Drill with screwdriver bit #3
- Screwdriver bit #3 Phillips or Robertson
- Small straight screwdriver
- Hand saw

REQUIRED MATERIAL

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

- STARFALL™ 94114 XXX
- A STAR SERIES Starter kit, to power and control lights;
- 11/2" Flexible hose
- PVC-ABS glue
- 3-Way Valve
-

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 leaking skimmer and water return. Any leak will cause the wall to rust and could seriously damage the pool structure.

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

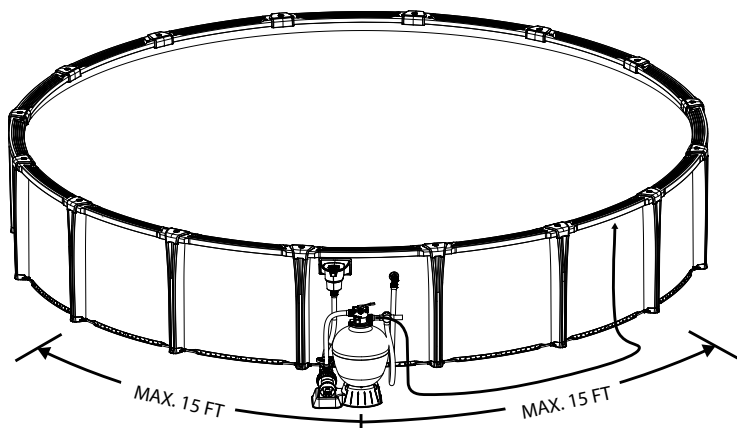
STARFALL™ INSTALLATION STEPS

⚠ WARNING

Your STARFALL™ will replace an actual ledge. Keep in mind that further from the filter you install the STARFALL™ less performance you will have. We recommend to stay in the next 3 Top Ledges from the filter for a maximum of 15ft of hose.

STEP 1

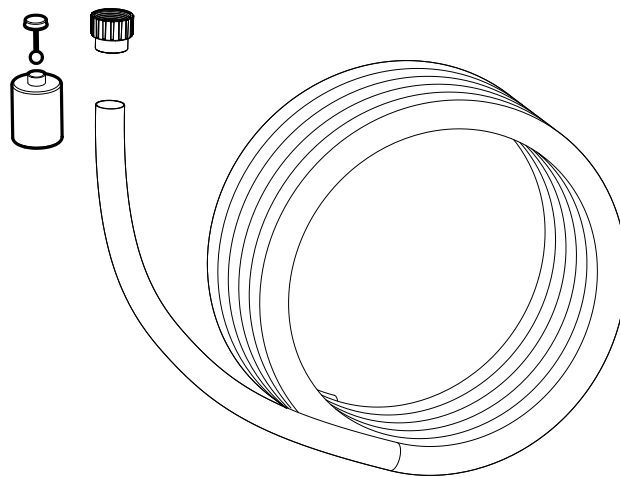
Select the position where you want to install your STARFALL™.



STEP 2

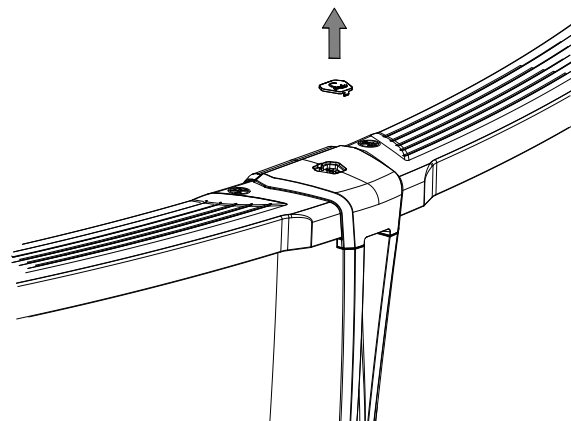
Glue the CARVIN® quick connect fitting (included in box) on one end of the flexible hose.

DO NOT CUT THE FLEXIBLE HOSE, FINAL LENGTH WILL BE DETERMINED LATER.



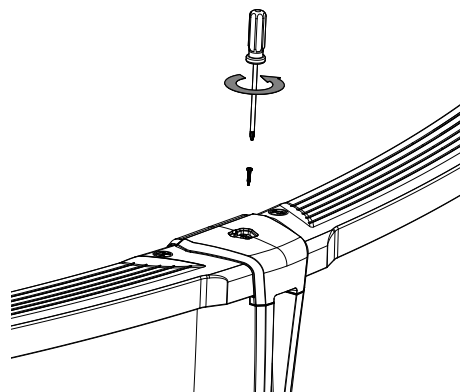
STEP 3

For each selected position, remove the Top Ledge cover Cap.



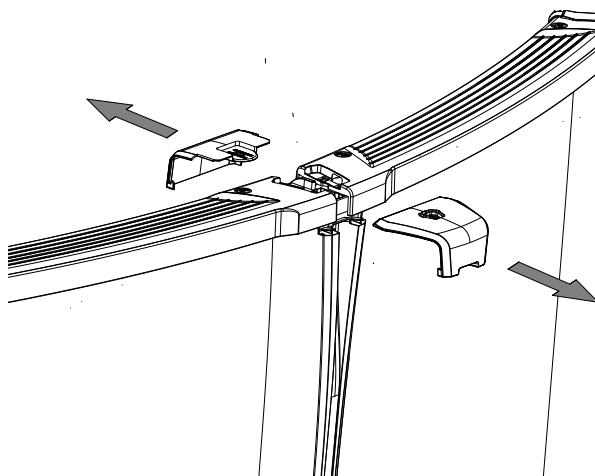
STEP 4

Unscrew the Top Ledge Cover screw.

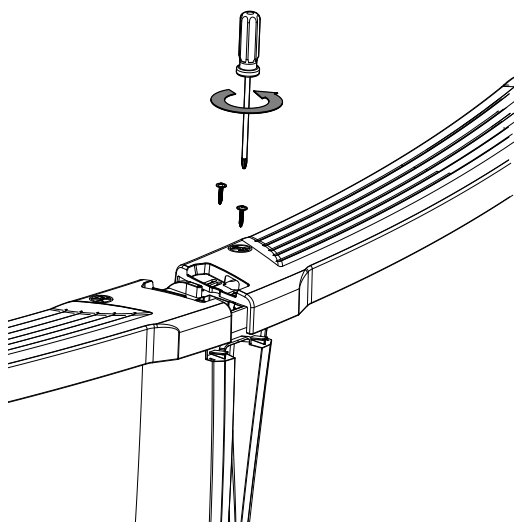


STEP 5

Remove the Top Ledge Cover.

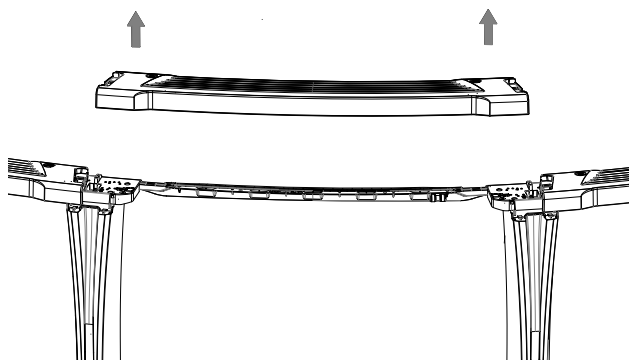
**STEP 6**

Unscrew the 4x Top Ledge screws. (2 on each side).

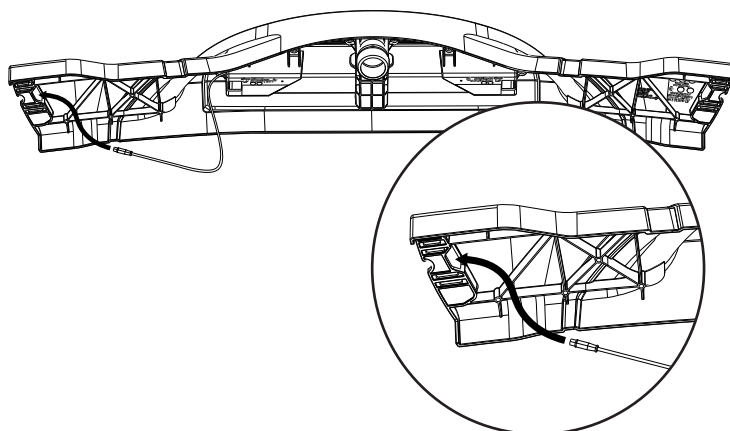
**STEP 7**

Remove the Top Ledge.

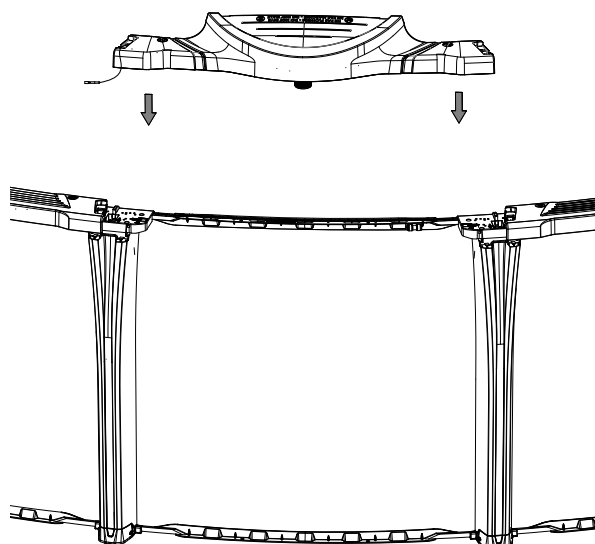
Store the Top Ledge in a safe place as we recommend to keep it for winterizing (See **WINTERIZING** section at the end of this document).

**STEP 8**

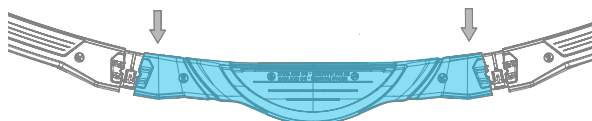
Pass LED cable to the STARFALL™ hole.

**STEP 9**

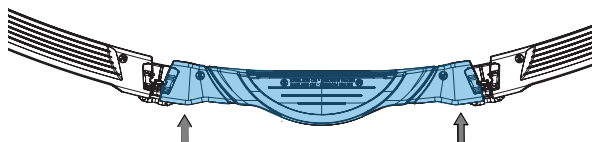
Position the STARFALL™ on the top plate.

**⚠ WARNING**

For the top assembly of the Gold STARFALL™, you will push the frame towards the exterior of the pool until it sits comfortably between the top plates.

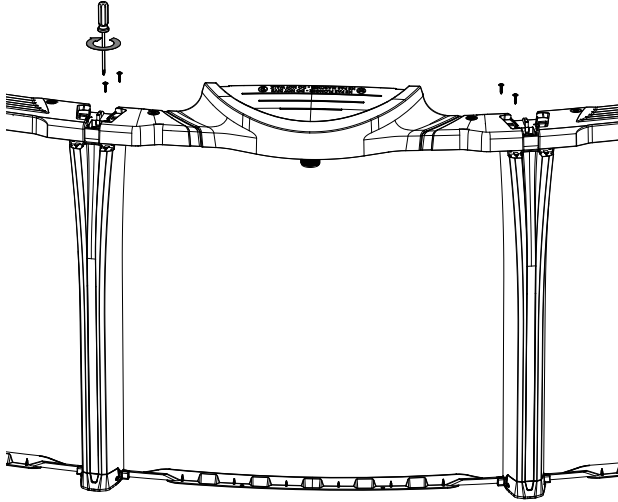


For the top assembly of the Diamond, Ruby and Platinum STARFALL™, you will push the frame towards the interior of the pool until it sits comfortably between the top plates.



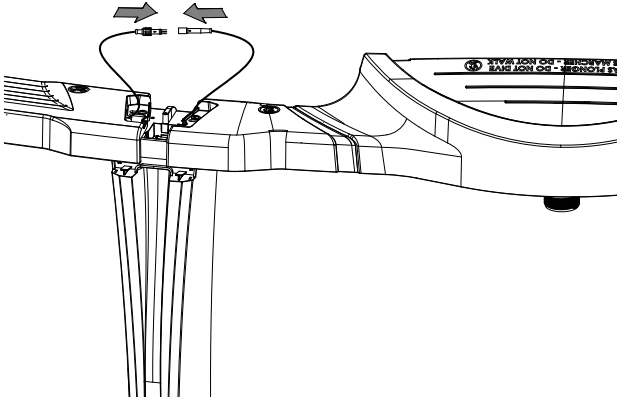
STEP 10

Screw back the Top Ledge screw to fix the STARFALL™.



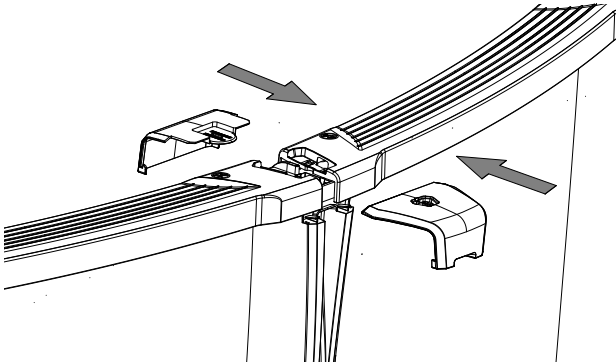
STEP 11

Connect electric connector to the STAR SERIES cable.



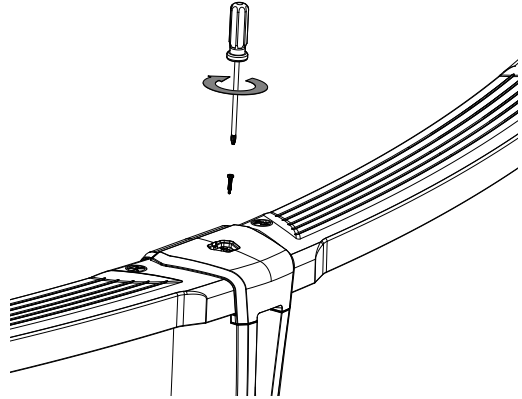
STEP 12

Replace the Top Ledge Cover.



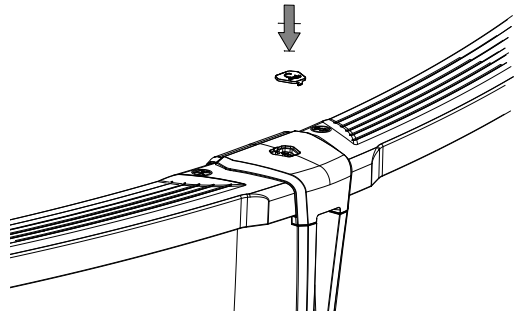
STEP 13

Screw back the Top Ledge Cover screw.



STEP 14

Install the Top Ledge Cover cap.



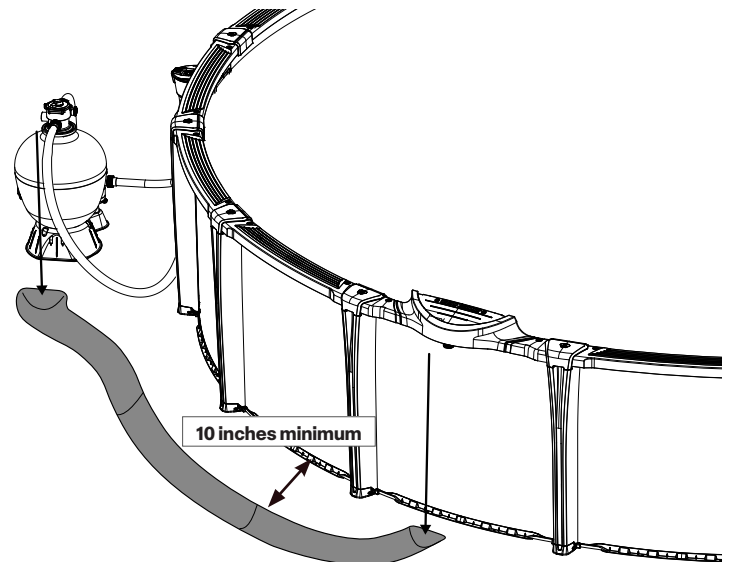
TRENCH DIGGING AND HOSE CONNECTION

STEP 15

Dig a 6inch deep trench from the STARFALL™ center to the filter head return outlet.

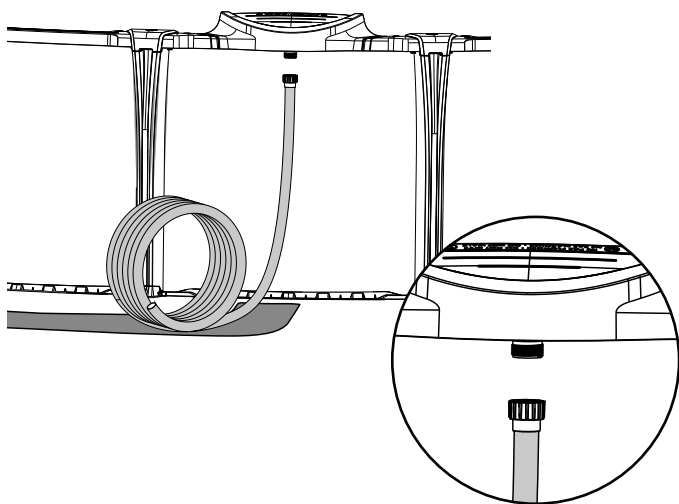
Trench should not be closer than 10 inches to the pool, except when you get close to the STARFALL™.

At the end of the trench, close to the STARFALL™, we recommend you dig a deeper trench zone (12 inches deep approximately) to accommodate the minimum bend radius of the hose.

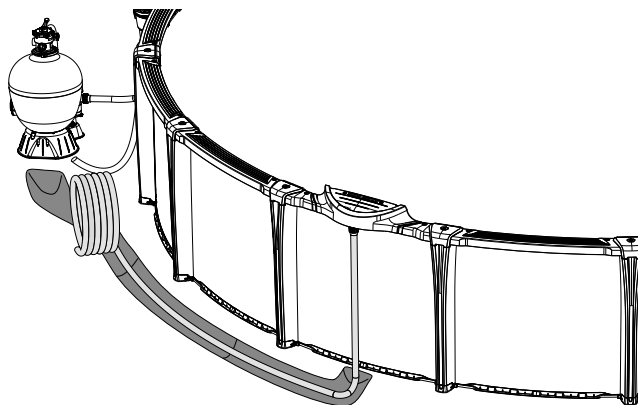


STEP 16

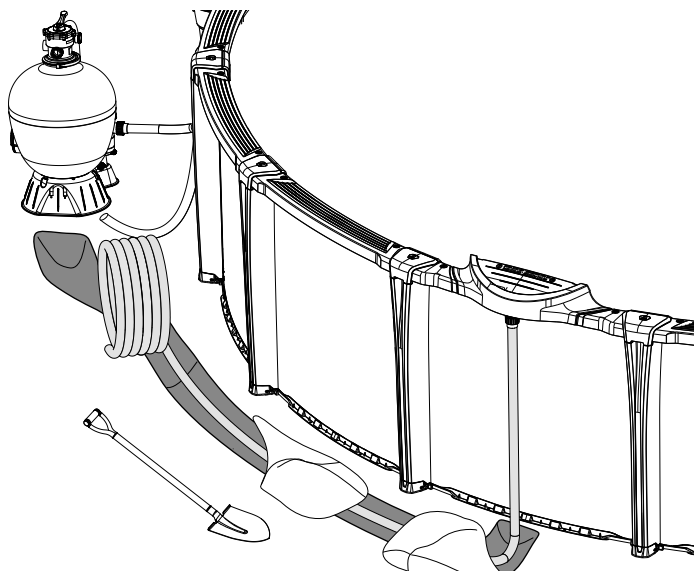
Connect the flexible hose to the STARFALL™ connector.

**STEP 17**

Unroll the flexible hose up to the filter return outlet

**STEP 18**

Position the flexible hose under the STARFALL™ straight and close to the pool wall. Backfill the pipe, keeping it in the correct position.



CONNECTION OF STARFALL™ TO THE FILTRATION SYSTEM

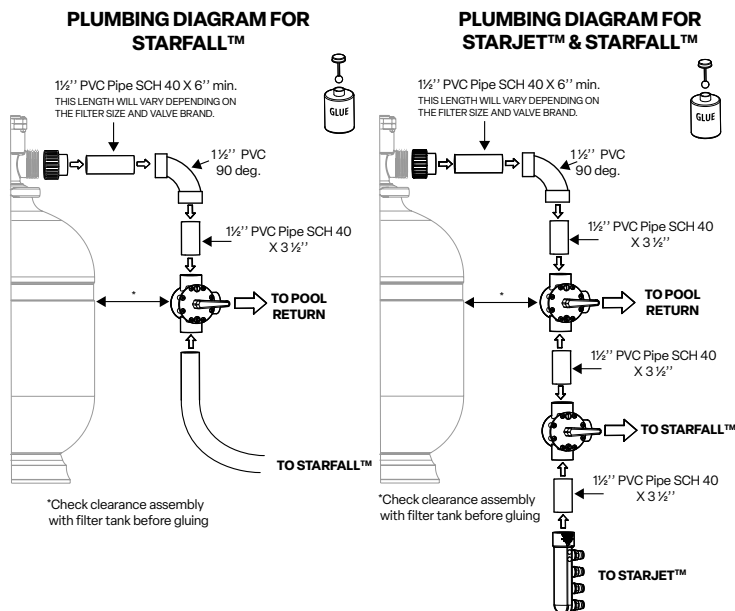


WARNING

Plumbing configuration may vary depending on your pool filtration system installation and 3-way valve brand. The diagrams below illustrate examples of possible connection setup.

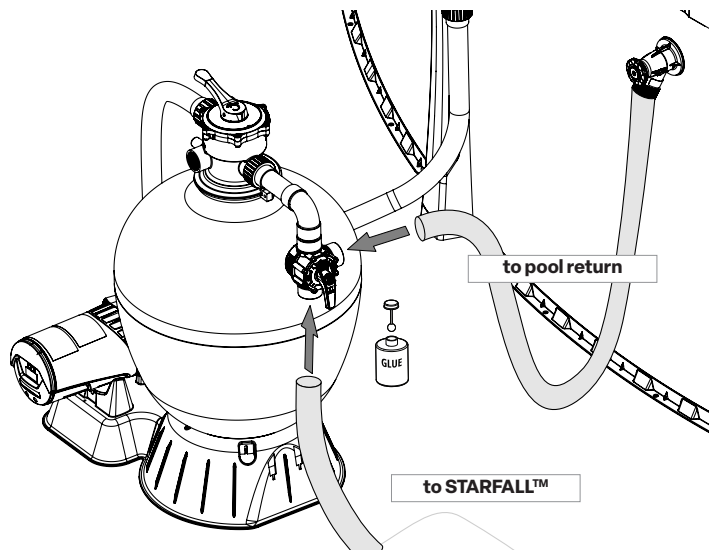
STEP 19

Depending on the accessory and equipment you have, choose the proper connections at the filter outlet, then glue the parts accordingly to the figure below.

**STEP 20**

Position the return pipe and the STARFALL™ flexible hose up to the outlets of the 3-way valve. Cut the pipes.

Glue the hose to the 3-way valve assembly.



OPERATING

⚠ WARNING

PVC glue takes 2 hours to completely cure. After curing time, inspect your STARFALL™ set up to make sure there are no leaks.

1. Before you start the pump, make sure the level of water is high enough (refer to the min/max mark on the CARVIN® skimmer decorative face plate).
2. You can start the pump once all the components are connected.
3. You can adjust the projection and flow of your waterfall by slightly closing/opening the 3 way valve.
4. The STARFALL™ light, if connected, is controlled by the remote control.

⚠ WARNING

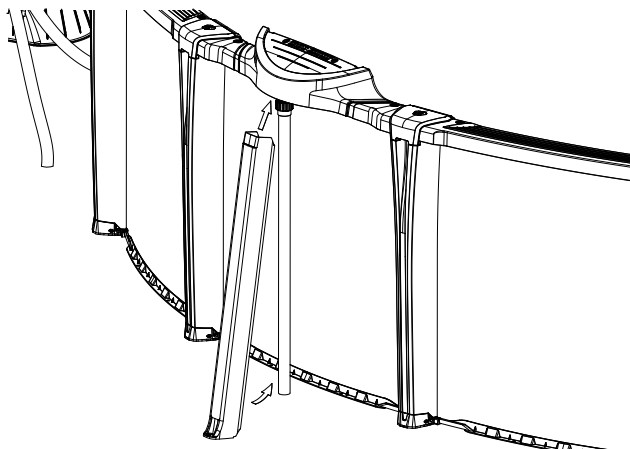
ANY LEAK COULD RUST OR SERIOUSLY DAMAGE THE STRUCTURE OF YOUR POOL

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

STEP 21

Insert top of the beauty cap under the STARFALL™ then pivot the bottom to the pool wall, in the same time snap the flexible hose with the in the 4 clips.

For best results, the flexible hose has to be straight, aligned to the STARFALL™ inlet. It might help to fill locally the 12" deep trench zone with some soil or stone dust.

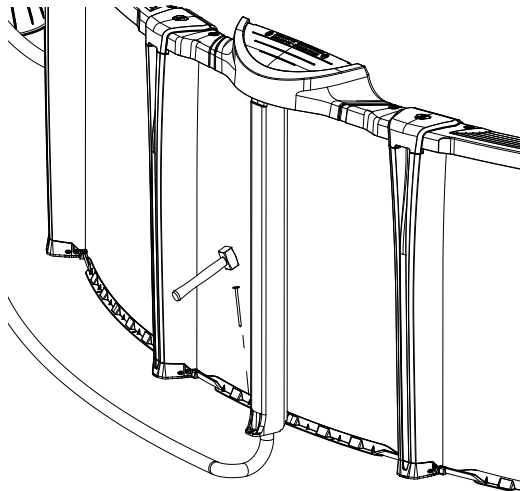


STEP 22

Check beauty cap alignment.

1. Fill the whole trench with soil or stone dust.
2. Fix the beauty cap with a 4" to 6" nail.

FIX THE NAIL CAREFULLY AND MAKE SURE IT GOES BESIDE THE HOSE (AND NOT THROUGH THE HOSE).



WINTERIZING

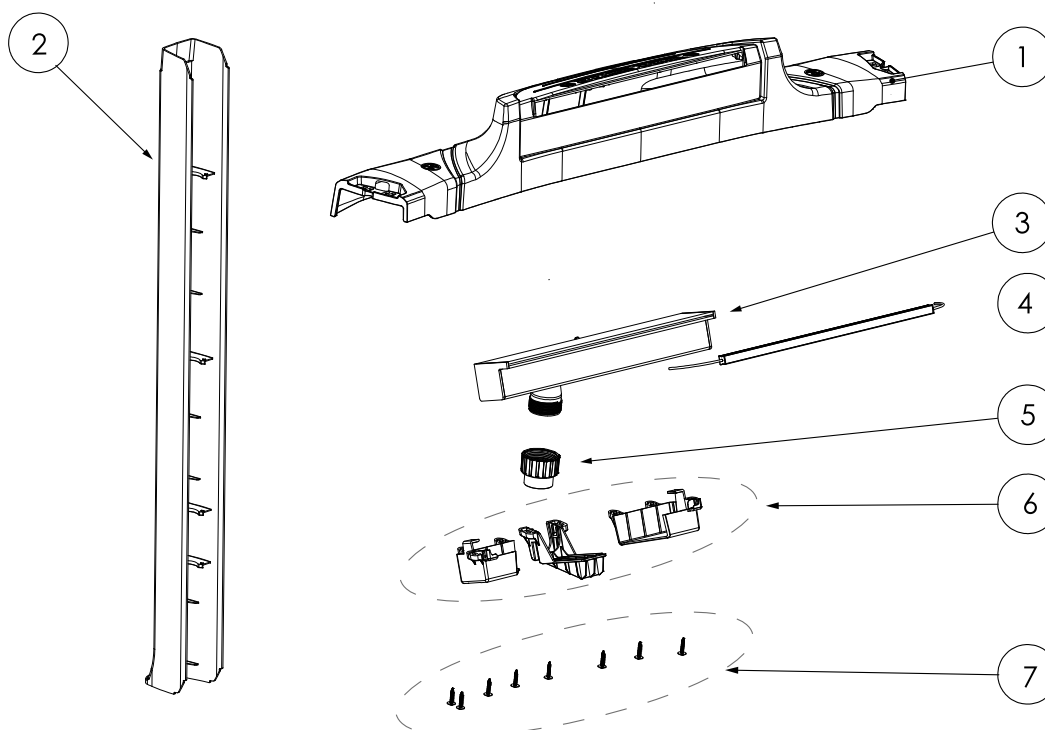
STARFALL™ WINTERIZING

We strongly recommend to store your STARFALL™ during winter time. Harsh temperature change could damage the waterfall device inside the plastic shell and/or affect water projection and/or clearness of the product.

1. Turn off your pump.
2. Disconnect the hose that connects the STARFALL™ to the filter (unscrew CARVIN® quick connect fitting)
Make sure to grab the fitting)-Ring seal and keep it to a safe place in order to preserve for the next year.
3. Disassemble the pool top ledge cover following STEP 3-4-5-6.
4. Remove STARFALL™ and store it inside, sheltered from bad weather.
5. Replace original Top Ledge and covers (this will avoid the wall to warp during winter time).

REPLACEMENT PARTS

Use the original CARVIN® replacement parts only.



#	DESCRIPTION	PART NB.	QTY
STARFALL™ (BLACK)			
1	LEDGE STARFALL™ (BLACK 6C) DIAMOND SERIES	24151006R	1
	LEDGE STARFALL™ (BLACK 6C) GOLD SERIES	24152006R	1
	LEDGE STARFALL™ (BLACK 6C) PLATINUM SERIES	24153006R	1
	LEDGE STARFALL™ (BLACK 6C) RUBY SERIES	24155005R	1
2	PIPE BEAUTY CAP STARFALL™ (BLACK 6C)	24154006R	1
STARFALL™ (GRAY 9C)			
1	LEDGE STARFALL™ (GRAY 9C) GOLD SERIES	24152009R	1
2	PIPE BEAUTY CAP STARFALL™ (GRAY 9C)	24154009R	1
STARFALL™ (GRAY 11C)			
1	LEDGE STARFALL™ (GRAY 11C) DIAMOND SERIES	24151011R	1
	LEDGE STARFALL™ (GRIS 11C) GOLD SERIES	24152011R	1
	LEDGE STARFALL™ (GRIS 11C) PLATINUM SERIES	24153011R	1
2	PIPE BEAUTY CAP STARFALL™ (GRAY 11C)	24154011R	1
STARFALL™ (BROWN 476C)			
1	LEDGE STARFALL™ (BRUN 476C) GOLD SERIES	24152476R	1
	LEDGE STARFALL™ (BRUN 476C) PLATINUM SERIES	24153476R	1
2	PIPE BEAUTY CAP STARFALL™ (BROWN 476C)	24154476R	1
COMMON PARTS			
3	WATERFALL TANK STARFALL™ WITH GLUED 20 DEG ELBOW	14150000R	1
4	LED STRIP 22" STARFALL™ - WORKS WITH STARGLOW™	14150001R	1
5	S15 UNS HALF KIT	31175607R	1
6	STARFALL™ TANK SUPPORT KIT (BLACK 6C)	24150020R	1
7	TYPE HI-LO THREAD SELF TAPPING SCREW W/WASHER ½ SS 316 STAINLESS STEEL #3 #12-14 X 1¼"	14455110R8	8/KIT

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 not satisfied 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.
- If sending an email, any relevant photos of the Product and its surroundings.

REPLACEMENT PARTS AVAILABILITY

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

WARRANTY

A digital warranty is provided for your product.

https://carvinpool.com/link_warranty

TECHNICAL SUPPORT INFORMATION

After contacting your dealer or distributor, if you have any problems with your Product, contact CARVIN® Technical Support.

AMERICA

Web: carvinpool.com/support

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 West,

Saint-Hyacinthe, Quebec, Canada, J2S 9E3



Le Groupe VIF Inc.

4000, boulevard Casavant West, Saint-Hyacinthe
Québec, Canada, J2S 9E3

www.carvinpool.com

CARVIN® is a registered trademark of Le Groupe VIF Inc.
in Canada and the United States of America.

