



Installation and User's Guide

IMPORTANT SAFETY INSTRUCTIONS
READ AND FOLLOW ALL INSTRUCTIONS
SAVE THESE INSTRUCTIONS

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Web site

visit www.pentairpool.com or www.staritepool.com to find information about Pentair products.

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P/N K60460 Rev. B 4/3/12

Contents

Important Warning and Safety Instructions.....	ii
General Installation Information.....	iii
Warranty Information	iv
Section 1: Pool Preparation	1
Overview	1
Before Installation	1
Section 2: Assembly	2
Kreepy Krauly® Kruiser™ Cleaner Components	2
Vacuum Seal Installation	3
Hose Assembly	3
Attaching Hose Weights	3
Section 3: Installation	4
Pool with One Skimmer	4
Pool with Two Skimmers	5
Optional Vacuum Line Installation	5
Section 4: Adjustments	7
Adjusting the Flow Gauge.....	7
Return Line Adjustments	8
Section 5: Maintenance	9
Cleaning the Flapper	9
In-Line Leaf Canisters.....	10
Section 6: Troubleshooting	11
Section 7: Replacement Parts	12
Kreepy Krauly® Kruiser™ Exploded View	12
Kreepy Krauly® Kruiser™ Replacement Parts List.....	12

IMPORTANT WARNING AND SAFETY INSTRUCTIONS




Important Notice:

Attention Installer: This guide contains important information about the installation, operation and safe use of this product. This information should be given to the owner and/or operator of this equipment after installation of the pool cleaner.

Attention User: This manual contains important information that will help you in operating and maintaining this pool cleaner. Please retain it for future reference. Consult Pentair with any questions regarding this equipment.

WARNING — Before installing this product, read and follow all warning notices and instructions which are included. Failure to follow safety warnings and instructions can result in severe injury, death, or property damage. Call (800) 831-7133 for additional free copies of these instructions.

Consumer Information and Safety

The Kreepy Krauly® Kruiser™ pool cleaners are designed and manufactured to provide many years of safe and reliable service when installed, operated and maintained according to the information in this manual. Throughout the manual, safety warnings and cautions are identified by the “” symbol. Be sure to read and comply with all of the warnings and cautions.

WARNING — **Hazardous suction.** Do not play with cleaner or hose or apply to body. Can trap and tear hair or body parts. Hose can trip or entangle swimmers which could result in drowning.



WARNING — **Suction entrapment, injury, and drowning hazard.** If your pool has a dedicated suction port (“vac port”) for vacuuming or for an automatic pool cleaner, it **must be covered when not in use**. A spring loaded safety cover (a “vac port fitting”) is included with your cleaner. Install it on the suction port to prevent entrapment and injury. If the cover provided does not fit, purchase one that does from your local pool store and install it instead. The cover should conform to IAPMO SPS4-99A.



WARNING — **Stop pump** before attempting to clean unit. Do not allow swimmers in pool while pool cleaner is operating.

WARNING — To reduce the risk of injury, do not let children use or play with pool cleaner.

WARNING — Do not allow swimmers in the pool while pool cleaner is operating. Hose can trip or entangle swimmers which could result in drowning.

CAUTION — To avoid hand injury, **stop pump** before attempting to clean out pool cleaner head.

GENERAL INSTALLATION INFORMATION

Pre-installation check list

Before installing your cleaner, review and understand all warnings and safety information in this guide. Failure to follow these instructions or improper installation of the cleaner can result in damage to the pool finish or the vinyl liner, Pentair Water Pool and Spa, Inc. disclaims any liability for repairs or replacement to any of these structures or components of the customer's pool.

Before installing the cleaner in a vinyl liner pool:

Check liner closely for signs of deterioration or damage from age, chemicals, pool wall damage, etc. If any damage is found, have a qualified pool professional make all the necessary repairs. Also, if there are stones, roots, etc., under the liner, remove them before installing the cleaner.

Before installing the cleaner in a gunite pool or a pool that is partially or completely tiled:

Repair loose tiles and tighten any loose light rings.

Before installing the cleaner, clean your filter system:

Make sure you have cleaned the filter, including backwashing, rinsing, and emptying all baskets. A clean system is necessary for proper cleaner operation and coverage.

Before installing the cleaner, fill the hose with water:

Always make sure the cleaner head is submerged and the hose is full of water before connecting the hose to the filtration system (whether through a skimmer or dedicated wall fitting). Air in the system can damage the pump through dry running and overheating.

Before installing the cleaner, understand cleaner coverage:

The cleaner is designed to rid your pool of debris in approximately 4-6 hours. Less time could be needed, depending on the pool size. The cleaner was not designed to automatically clean steps or swimouts or to work under a solar cover. It was also not designed to do initial cleanup for a new pool or when opening your pool for the season.

AFTER installing the cleaner, make sure the cleaner is operating correctly :

The cleaner may need some minor adjustments to make sure it is operating properly so there is no damage to the pool finish. Certain vinyl liner patterns are particularly susceptible to surface wear, pattern removal, ink rubbing off of, or serious scratches to the pattern caused by objects coming into contact with the vinyl surface, including automatic pool cleaners. Pentair Water Pool and Spa, Inc. is not responsible for any pattern removal, abrasions or markings on vinyl liners.

WARRANTY INFORMATION

Limited Warranty Terms & Conditions

Before installing your cleaner, review and understand all warnings, safety and warranty information in this guide. Failure to follow these instructions or improper installation of the cleaner can result in damage to the pool finish or the vinyl liner, Pentair Water Pool and Spa, Inc. disclaims any liability for repairs or replacement to any of these structures or components of the customer's pool.

The Cleaner manufacturer, Pentair Water Pool and Spa, Inc. ("Manufacturer"), hereby provides the following limited warranty to the purchaser ("Customer"): WHICH IS SUBJECT ONLY TO THE FOLLOWING CONDITIONS AND EXCLUSIONS:

This limited warranty does not include replacement of parts which become discolored due to exposure to sunlight or chemicals, or parts which, even if worn, do not affect performance of the cleaner. Nicks, scratches, fading, discoloration, etc. are cosmetic conditions that do not affect mechanical performance. **Both Manufacturer and Pentair Water Pool and Spa's dealer reserve the right to deny any and all warranty claims made for worn parts if the wear does not negatively affect mechanical performance of the cleaner.**

The Cleaner is designed to function in a properly designed, constructed and maintained pool. This limited warranty does not extend in the circumstances where the pool's design, construction or maintenance is defective, substandard or inappropriate for the Cleaner's operation.

Deterioration, discoloration or brittleness of any pool finish can be caused over time separately by, or in combination with, age, an imbalance in water chemistry, improper installation, and other factors. Customer hereby disclaims any and all claims, and releases Manufacturer from any and all claims for damages to any pool plaster or vinyl liner in Customer's pool by reason of the use and/or operation of the Cleaner.

Under no circumstances shall Manufacturer be liable for any loss or damage, whether direct, consequential or incidental, arising out of the use or inability to use the Cleaner or the Hose in Customer's pool.

This limited warranty does not apply to any injury, loss, damage, defect, or malfunction of the Cleaner or failure to function resulting from any failure to operate or maintain the Cleaner in accordance with the directions contained in the Installation and Operation Manual or operating instructions provided by Pentair Water Pool and Spa or any injury, loss, damage, defect, or malfunction, or failure to function resulting from any accident, acts of God, alterations in the Cleaner by anyone other than Manufacturer; or misuse, unreasonable use, tampering, abuse, acts, omissions, failure or negligence by anyone other than Manufacturer including but not limited to such damages or injuries to parts resulting from improper installation, or damage to pump parts resulting from running the pump dry (e.g., interruption in or inadequate supply of water to internal pump parts due to loss of prime, or obstruction in lines or otherwise); or damage, defect or malfunction resulting from defects in, failure or malfunction of, or negligence, abuse, or misuse with respect to equipment other than the Cleaner; or any damage or loss of any nature whatsoever and personal injury caused due to the presence of a foreign object in or about the pool.

Disclaimer of Liability

About your Pool and Kreepy Krauly® Kruiser™

There are a multitude of factors that contribute to the life of your pool. The Kreepy Krauly Kruiser automatic pool cleaner is a very passive product that will have no impact on pool life.

Please be aware that over time, deterioration, discoloration and brittleness of any pool finish can be caused separately by, or in combination with, age, an imbalance in pool water chemistry, improper installation and other factors. An automatic pool cleaner, such as Kreepy Krauly Kruiser, will not remove or cause wear on "good" pool plaster. In fact, the opposite is true—pool plaster will eventually cause wear on the cleaner.

The same situation holds true for vinyl-lined in-ground swimming pools, because vinyl liners are also affected by the environment and factors such as pool water chemistry, sunlight and the pool's surroundings. Therefore over time, vinyl can become brittle and weak. In addition, vinyl-lined pools are affected by the workmanship, composition and installation of the liner and the workmanship and quality of construction of the supporting walls and pool base. These are all factors which can contribute to liner failure. The existence of any of these type of conditions in your pool is not caused by the use or operation of Kreepy Krauly Kruiser. The manufacturer disclaims any liability for repairs or replacement to any of these structures or components of the customer's pool.

The pool owner must assume all responsibility for the condition and maintenance of the pool's surface, water and deck.

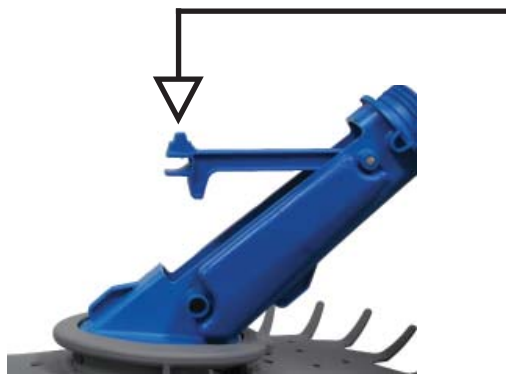
Section 1

Pool Preparation

Overview

Kreepy Krauly® Kruiser™ connects easily to your skimmer or vacuum line fitting without tools. The Kreepy Krauly® Kruiser™ uses the suction power from your filter pump to move across the bottom of your pool, capturing large and small debris.

- Built-in bumper assures free movement around steps and ladders for total cleaning coverage and uninterrupted, hands-free operation.
- No bags or compartments to empty or replace, the dirt and debris go right into the filtration system.



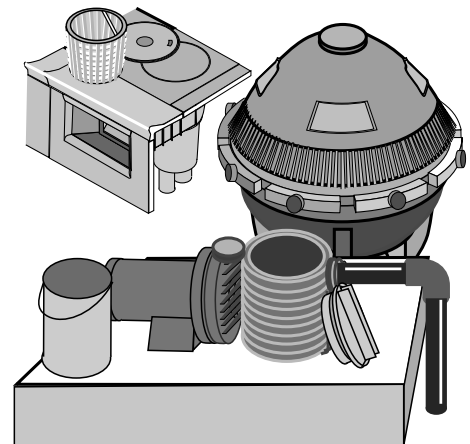
Flapper—the only moving part in the Kreepy Krauly® Kruiser™ for a simple and dependable propulsion system.

Before Installation

Before assembling and installing your Kreepy Krauly® Kruiser™ pool cleaner, be sure your pool is clean and algae-free in order for the cleaner to have maximum traction. If necessary, make the following preparations before proceeding.

Note: Before setting up this product, read and follow all warning notices and instructions, starting on page ii.

1. Hand vacuum your pool to remove debris.
2. Chemically balance and stabilize the pool water.
3. Clean the filter system.
4. Empty the Skimmer Basket.
5. Empty the Pump Strainer Basket.

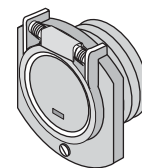
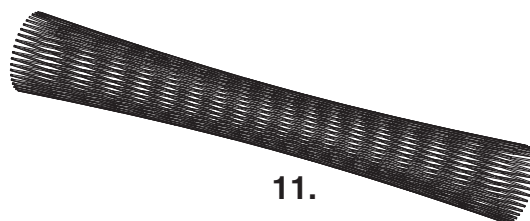
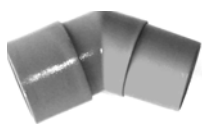
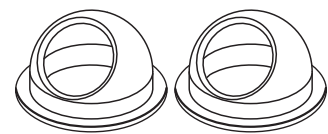
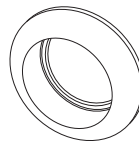
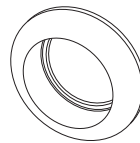
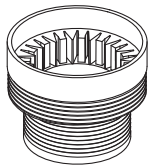
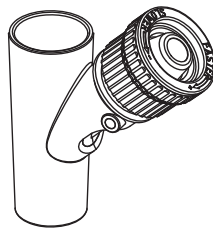
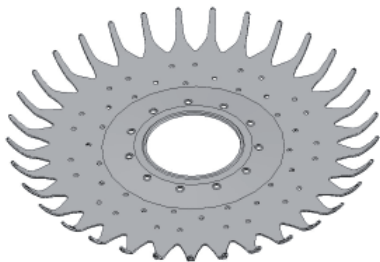
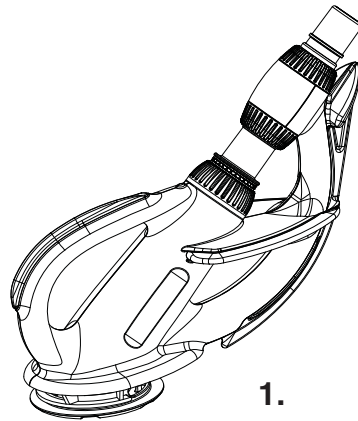


Section 2

Assembly

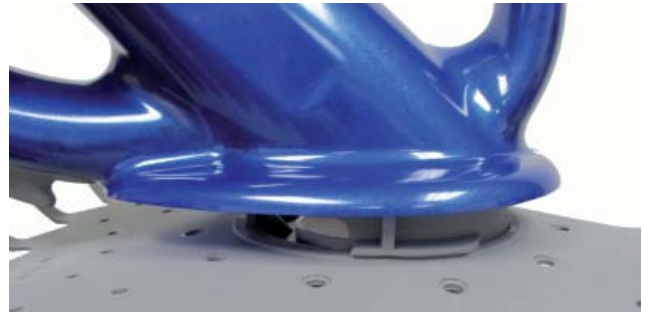
Your Kreepy Krauly® Kruiser™ pool cleaner includes the following components:

1. Cleaner body – (1)
2. Vacuum Seal – (1)
3. Regulator Valve – *Adjustable* (1)
4. Regulator Cap – (1)
5. Flow Gauge – (1)
6. Threaded Compression Adapter – (1)
7. Hose Sections – *1m* (12)
8. Hose Weights – (2)
9. Eyeball Diverters – (2)
10. 45 Degree Elbow – (1)
11. Hose Protector Sleeve – (1)
12. Safety Vac-Lock Fitting – (1)



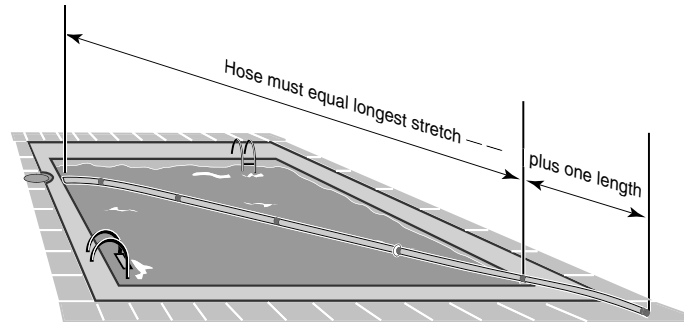
Vacuum Seal Installation

1. Pull the Vacuum Seal over the Cleaner's Foot Pad to fit properly into the Foot Pad's groove as shown in the illustration.
2. Be sure the curved tips face upwards.
3. Check with your hand that the Vacuum Seal rotates freely once it is in the groove.



Hose Assembly

1. Connect hose sections to reach from vacuum/suction source to the farthest point of the pool, plus one section.
2. Once the hose is assembled, attach the female hose end onto the swivel of your Kreepy Krauly® Kruiser™.



Attaching Hose Weights

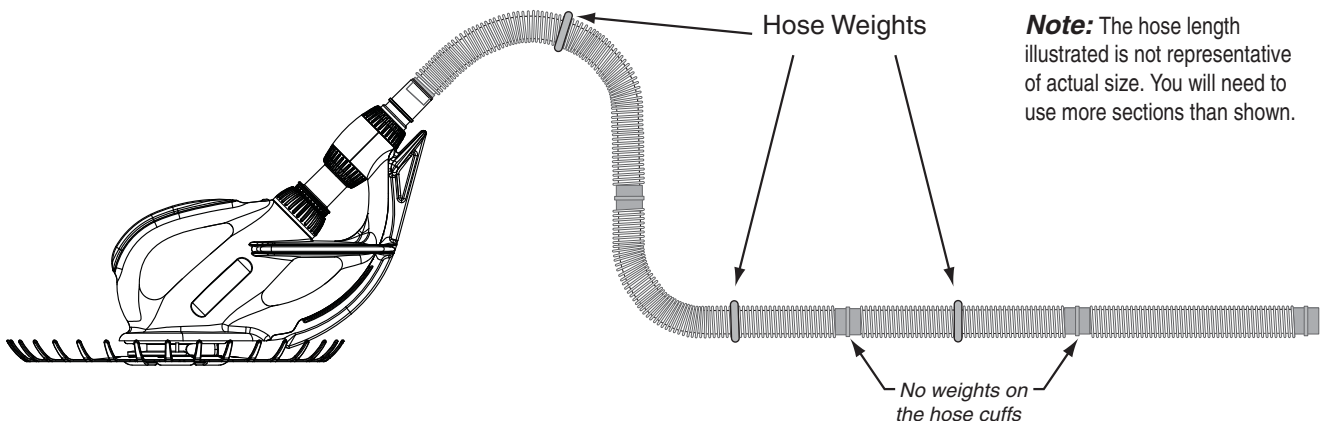
The number of hose weights required is determined by the maximum depth of your pool - the deeper your pool, the more weight is needed. Use the table below to find the number of hose weights needed for your pool.

1. Attach hose weights to the hose to keep the cleaner at a 45° angle in the pool for maximum coverage.
2. If needed, adjust the 1st hose weight (closest to the cleaner) towards the 2nd hose weight.
(The water density in each pool can vary due to mineral and salt content).

3. Adjust the hose weights until the cleaner sits evenly on the bottom of the pool at a 45° angle.

Pool Depth	Weight Placement
More than 6 feet, but less than 9 feet	1 weight: one 12 to 20 inches from the swivel head
More than 9 feet but less than 12 feet	2 weights: one 12 to 20 inches, one 6 feet from the swivel head.
More than 12 feet	3 weights:* one 12 to 20 inches, one 6 feet and one 10 feet from the swivel head.

*Contact your Pentair Water Pool and Spa® dealer if you need to purchase additional hose weights.



Section 3

Installation

Pool With One Skimmer Connection

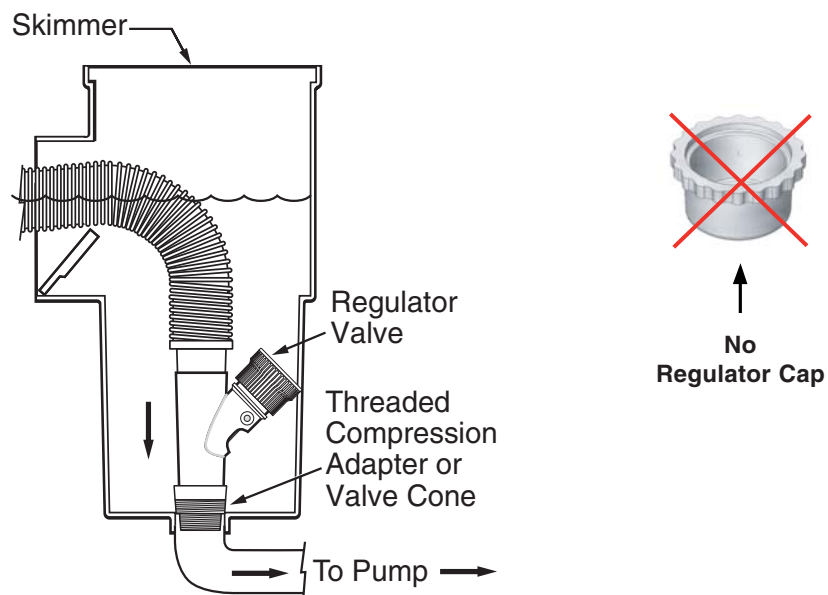
Use the adjustable regulator valve to balance the water flow between the skimmer and the cleaner - this valve changes the amount of water flow to power cleaner.

1. Turn the pool pump off.
2. Close main (bottom) drain and all suction lines, except the line from the skimmer.
3. Remove skimmer basket.
4. Screw threaded compression adapter into the vacuum connection in the bottom of the skimmer.

Note: Use two wraps of thread seal tape around threads to ensure easy removal.

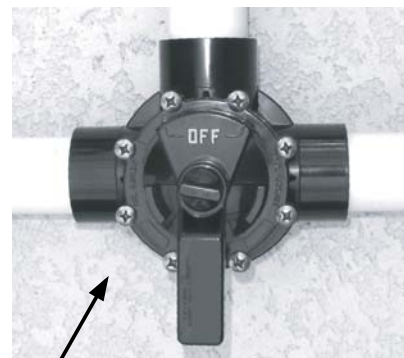
(If the opening in the bottom of the skimmer is not threaded, use a 2" hose cone. It is not included but can be purchased separately).

5. Press the adjustable regulator valve into the threaded compression adapter.
6. Place the Kreepy Krauly® Kruiser™ into the pool and allow it to sink to the floor.
7. Continue to feed hose vertically down into the pool until completely filled with water and purged of air.
8. Slide hose protector sleeve on the hose section connected to the regulator valve in the skimmer to prevent rubbing against skimmer wall.
9. Insert hose end through the skimmer opening and connect to the adjustable regulator valve.
10. Open main drain and suction lines and turn the pump on to start the cleaner.



Pool With Two Skimmers Connection

1. Select one skimmer for the cleaner.
2. Close off the other skimmer with the pump valve.
3. Connect the end of submerged hose into the selected skimmer.
4. Refer to the “Pool with One Skimmer” instructions on the previous page, starting from step 3.



Pump Valve

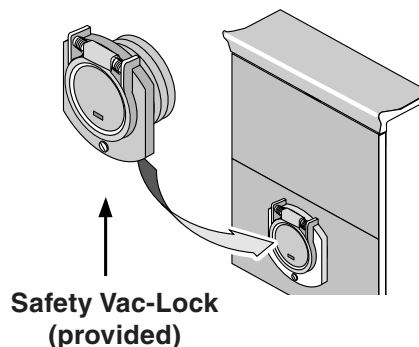
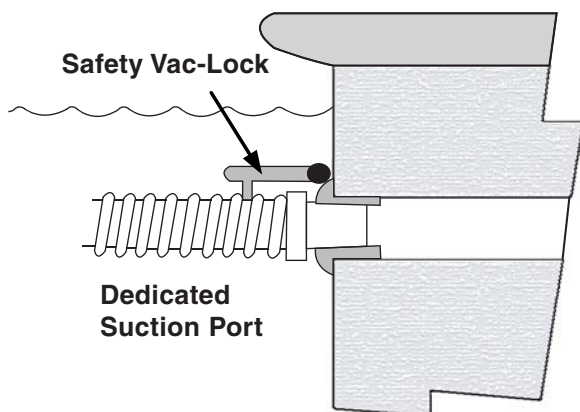
Optional Vacuum Line Installation

Install the adjustable regulator valve in the skimmer if attaching cleaner to a dedicated vacuum line.

Note: Be sure that your Dedicated Suction Port is fitted with a Safety Vac-Lock Fitting. If not, install the one that is provided with your cleaner.

1. Turn the pool pump off.
2. Close the main drain and all suction lines, except the skimmer and the vacuum line that will connect to the cleaner.
3. Thread the vac-lock wall fitting into the end of the dedicated suction line.

Note: Use two wraps of thread seal tape around the threads to ensure easy removal.
4. Place the Kreepy Krauly® Kruiser™ (with the hose and hose weights) into the pool and allow it to sink to the floor.
5. Continue to feed hose vertically down into the pool until completely filled with water and purged of air.
6. Insert the hose end of the last hose section into the vac-lock wall fitting.



Optional Vacuum Line Installation, (Continued)

7. Screw the threaded compression adapter into the vacuum connection in the bottom of the skimmer.

Note: Use two wraps of thread seal tape around the threads to ensure easy removal.

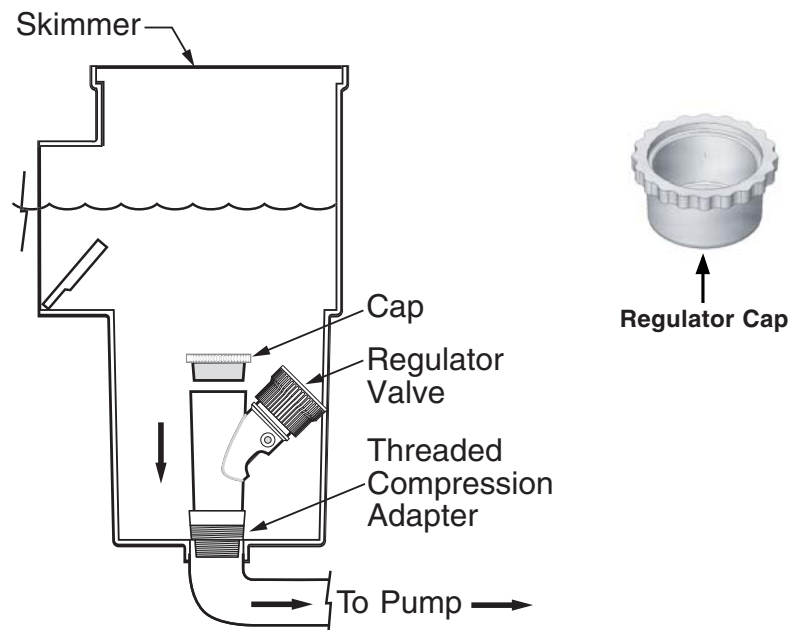
(If the opening in the bottom of the skimmer is not threaded, use a 2" hose cone. It is not included but can be purchased separately).

8. Fasten the regulator cap onto the top of the adjustable regulator valve

This activates the adjustable regulator valve and assures that an accurate amount of water will flow through the vacuum line and the cleaner.

Without the regulator valve cap, the adjustable regulator valve and the cleaner will not function properly.

9. Press the adjustable regulator valve into the threaded compression adapter.
10. If your pool does not have a Dedicated Suction Port, go to the instructions on page 4 or 5.



Section 4

Adjustments

Turn on the pool pump after completing the installation and allow the pump to run for a couple of minutes to be sure all air is out of the system.

Check the water flow and return line adjustments after installing your cleaner.

Adjusting The Flow

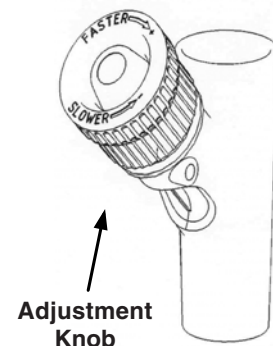
1. Turn the pool pump off.
2. Remove the cleaner and connect the Flow Gauge to the end of the hose. Be sure to keep the hose submerged to prevent any air entry.
3. Turn the pump on.
4. With the pump running, turn the Adjustment Knob of the Regulator Valve “Faster” or “Slower” until the disc indicator in the Flow Gauge settles between “Maximum” and “Minimum” flow.



Flow Gauge

Note: If you have very strong pump and the flow is still over “Maximum”, you may need to open the main drain slightly.

5. Turn the pool pump off.
6. Remove the Flow Gauge and connect the Cleaner to the end of the hose.
7. Be sure you keep the hose submerged to prevent any air to enter into it.
8. Allow the cleaner to drop to the pool floor.
9. Turn the pool pump on.



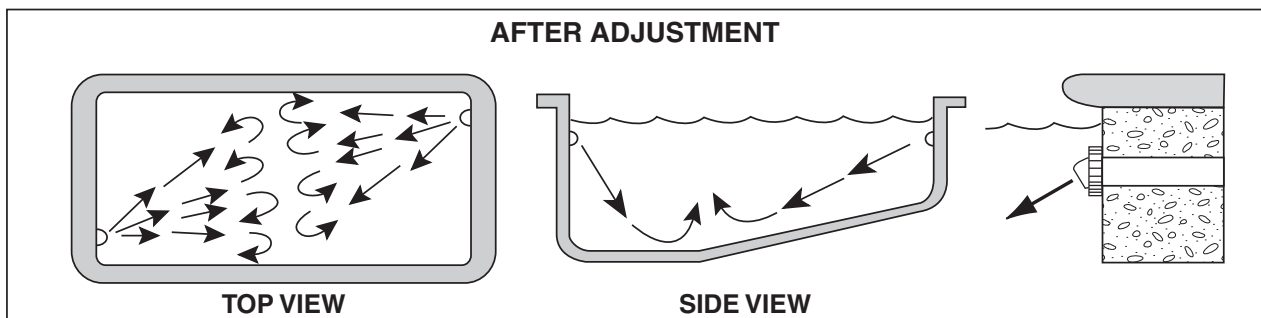
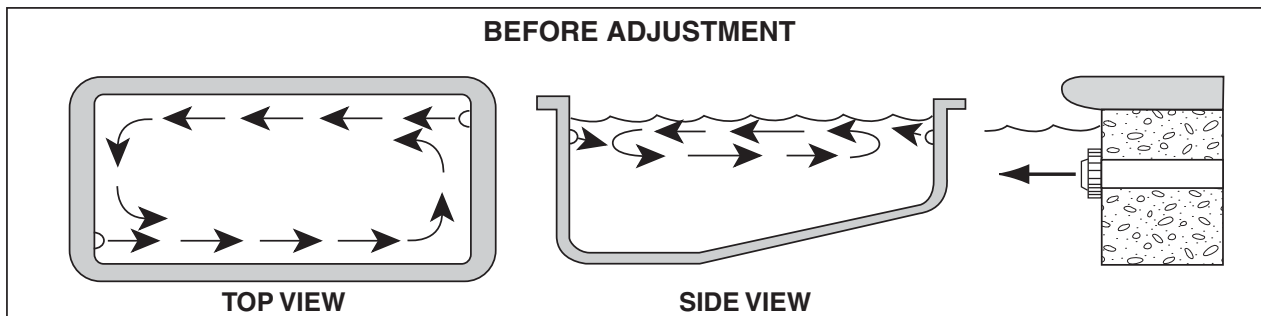
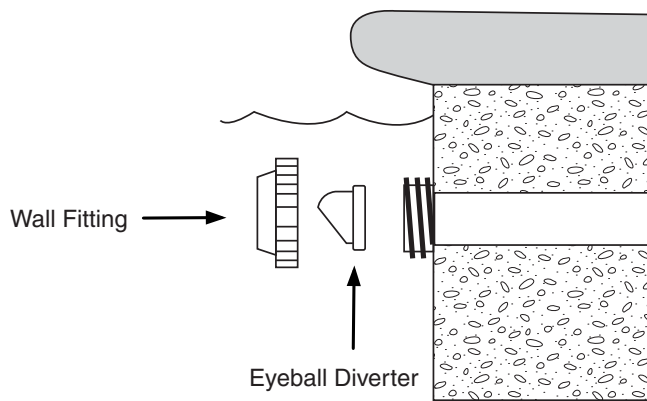
Adjustment Knob

Note: Optimizing the water flow **does not mean** maximizing the flow through the cleaner. It is recommended to use less suction to be sure the cleaner travels in a random pattern, able to reach all areas of your pool.

Return Line Adjustments

Adjust the Eyeball Diverters to direct the water slightly downward to move the cleaner randomly throughout the pool. Water circulating at the surface will influence the hose and limit cleaner coverage.

1. Adjust the Eyeball Diverters by loosening the lock ring and redirecting the Eyeball Diverters slightly downwards.
2. Try different directions to see what works best in your pool. Allow time for the body of water to settle into the new pattern.
3. If it is difficult to adjust your existing Eyeball Diverters, replace the eyeball component with the new Eyeball Diverters (included).



Section 5

Maintenance

The Kreepy Krauly® Kruiser™ cleaner requires very little maintenance but it is important to regularly check the following items.

Cleaning the Flapper

1. Turn off the pump.
2. With your hand, unscrew and lift the external housing to view the flapper.
3. Push the latch upward to remove the flapper lid. Take off the lid and inspect the flapper for debris. (See images on this page).
4. Be sure the flapper is moving freely up and down and that it is securely clipped into place.
5. Put the lid back and slide the lock down to close. (No tools are required).
6. Place the external housing back over the flapper and hand tighten.



Removing Damaged or Worn Flapper

1. Pull the flapper and wiggle outward until it un-clips from the pin.
2. To install the new flapper, push it in firmly (TOP side up as marked) onto the pin until it snaps into place. If flapper is clipped the wrong way (TOP side down) you will not be able to close the lid.



Check the Vacuum Seal

1. If the vacuum seal becomes thin and too floppy, it will impair the correct random movement of the cleaner.
2. Replace the vacuum seal if needed.

Other Maintenance

- Inspect the foot pad for wear. Replace when the traction pads on the bottom have worn down.
- Inspect the regulator valve and flush away any debris build up.
- Clean your filter system.
- Empty the skimmer basket.

Other Maintenance, (Continued)

- Empty the filter pump strainer basket.
- Use your flow gauge to ensure correct water flow for your cleaner.
- For best results and to maintain proper operation, only use the original hoses.
- When not in the pool, keep the cleaner's vacuum seal flat to avoid warping.
- Your cleaner can stay in the pool at all times, however, when using the pool, disconnect the cleaner and hose and pull it to one side of the pool.

Note: Remove the cleaner from the pool before any chemical shock treatment.

Winterizing

- When storing or winterizing the cleaner, do not coil the hose.
- Lay the hose flat in an area protected from direct sunlight. It is also important to remove the vacuum seal from the Cleaner and store it flat.

In-Line Leaf Canisters

If your pool is exposed to large quantities of leaves, we suggest purchasing and installing an in-line leaf canister, (P/N R211084 or R211086).

A leaf canister will provide more debris-loading capacity and also provides a water by-pass when the canister is full. It is very important that the pump will not starve for water!



Section 6

Troubleshooting

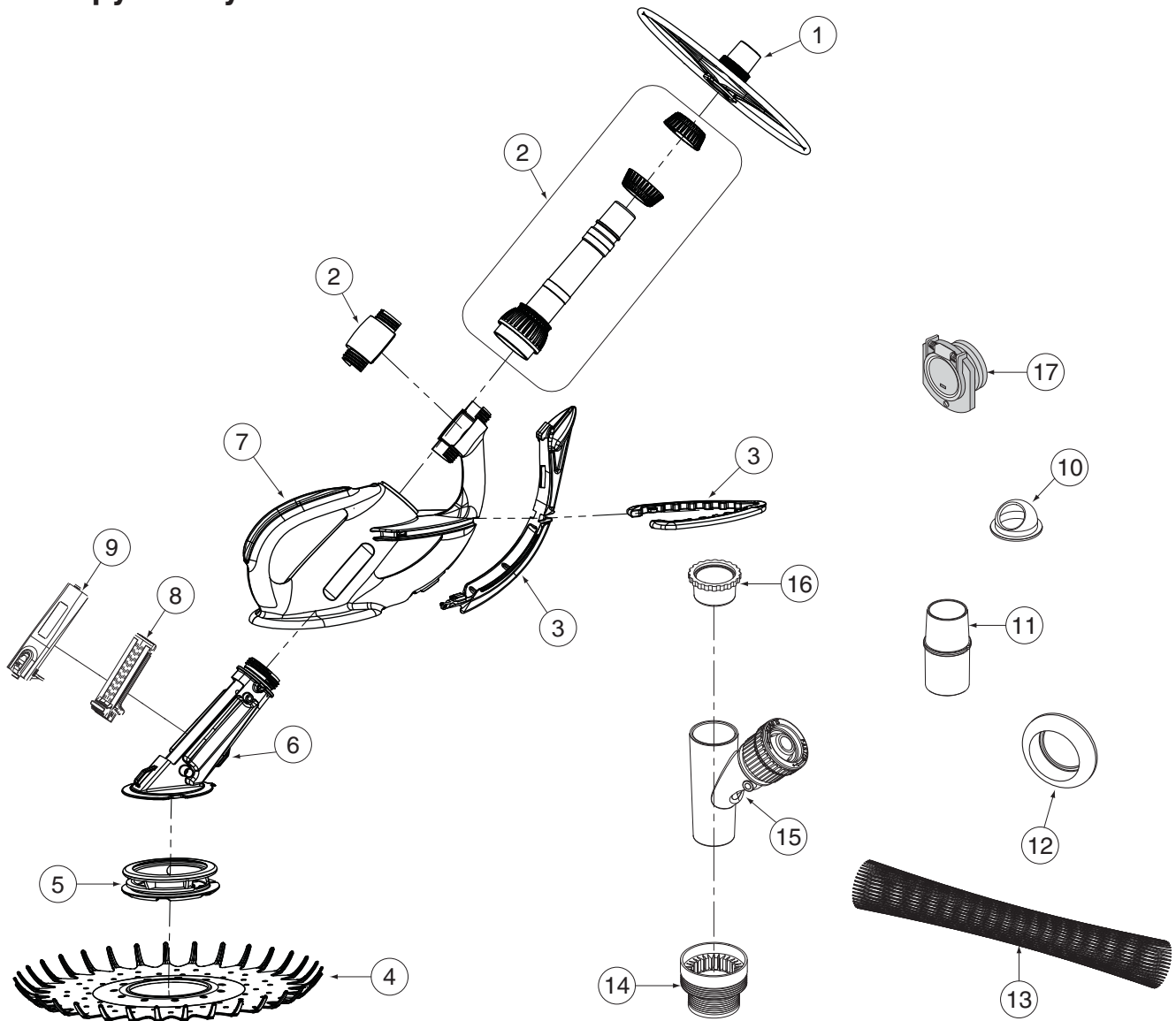
Use the following troubleshooting information to resolve possible problems with your Kreepy Krauly® Kruiser™ pool cleaner.

Problem	Corrective Action
<p>Cleaner is sluggish or has stopped operating.</p>	<p>Check Cleaner for blockage inside the Flapper chamber. Refer to Maintenance on page 9.</p> <p>Clean your filter system, empty pump basket and empty skimmer basket. Refer to page 4.</p> <p>Inspect the Regulator Valve and flush away any debris buildup.</p> <p>Check the hose for blockage.</p> <p>Check the hose for leaks by lifting each section above water and listen for the leak.</p> <p>Using your Flow Gauge, verify proper water flow to your Cleaner. Refer to page 8.</p>
<p>Cleaner gets stuck on the steps.</p>	<p>Adjust the Eyeball Diverter of the return flow towards the problem area to guide the Cleaner away from the steps.</p> <p>Verify proper hose length and correct position of the Hose Weights. Refer to page 6.</p> <p>Purchase the optional 12" or 16" Deflector Wheel.</p> <p>Using your Flow Gauge, Increase or decrease the flow to your cleaner within the maximum/minimum range.</p>
<p>Cleaner travels in repetitive pattern.</p>	<p>Adjust Eyeball Diverters as described on page 5.</p> <p>Verify proper hose length and correct position of the Hose Weights. Refer to page 6.</p> <p>Place one Hose Weight 2" to 4" from the Cleaner head.</p> <p>Check the Kreepy Kruiser's hose to ensure it has not become bent or kinked. It only takes one bent or kinked hose section to hinder the cleaning coverage. One way to check for kinks in the hose is to lay each section flat on your pool's deck, (or other flat surface). The hose should be perfectly straight and flat. Do Not coil the hose when taking your cleaner out of the pool because it will retain the coil shape, forming a bend or kink.</p>
<p>Cleaner does not transit onto the wall.</p>	<p>Using your Flow Gauge, verify proper water flow to your Cleaner. Refer to page 8.</p>
<p>Cleaner stays in one side of the pool.</p>	<p>Adjust Eyeball Diverters as described on page 5.</p> <p>Verify proper hose length and correct position of the Hose Weights. Refer to page 6.</p> <p>Remove or add one hose section.</p>

Section 7

Replacement Parts

Kreepy Krauly® Kruiser™ Parts List



ITEM NO.	P/N	DESCRIPTION
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1	K12458	Kruiser Deflector Wheel
2	K12444	Kruiser Swivel Kit
3	K12451	Kruiser Bumper Kit (Horizontal & Vertical)
4	K12442	Kruiser 18" Vacuum Seal Kit
5	K12450	Kruiser Foot Pad Kit
6	K12443	Kruiser Internal Kit
7	K12441	Kruiser External Housing Kit
8	K12415	Kruiser Silent Flapper Kit
9	K12412	Kruiser Lid & Lock Kit

ITEM NO.	P/N	DESCRIPTION
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10	41201-0236	Eyeball Diverter
11	41200-0212	Flow Gauge
12	K12454	Hose Weight
13	K60465	Hose Protector
14	K12079	Threaded Compression Adapter
15	41200-0200	Regulator Valve (Adjustable)
16	41200-0211	Regulator Cap
17	K12500	Safety Vac-Lock Fitting

NOT SHOWN

K01213	Hose Kit (12 M/F Sections)
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NOTES



P/N K60460 Rev. B 4/3/12