

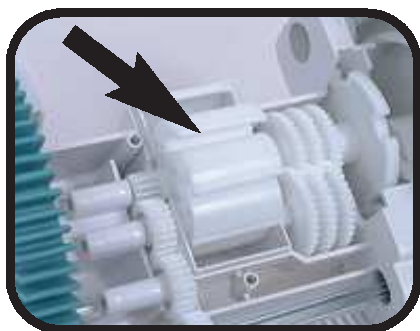
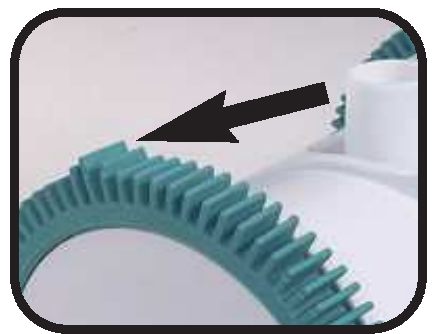
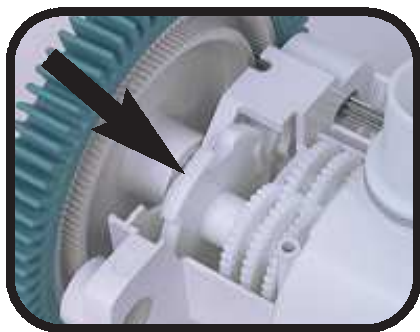


To be read carefully and kept for future reference

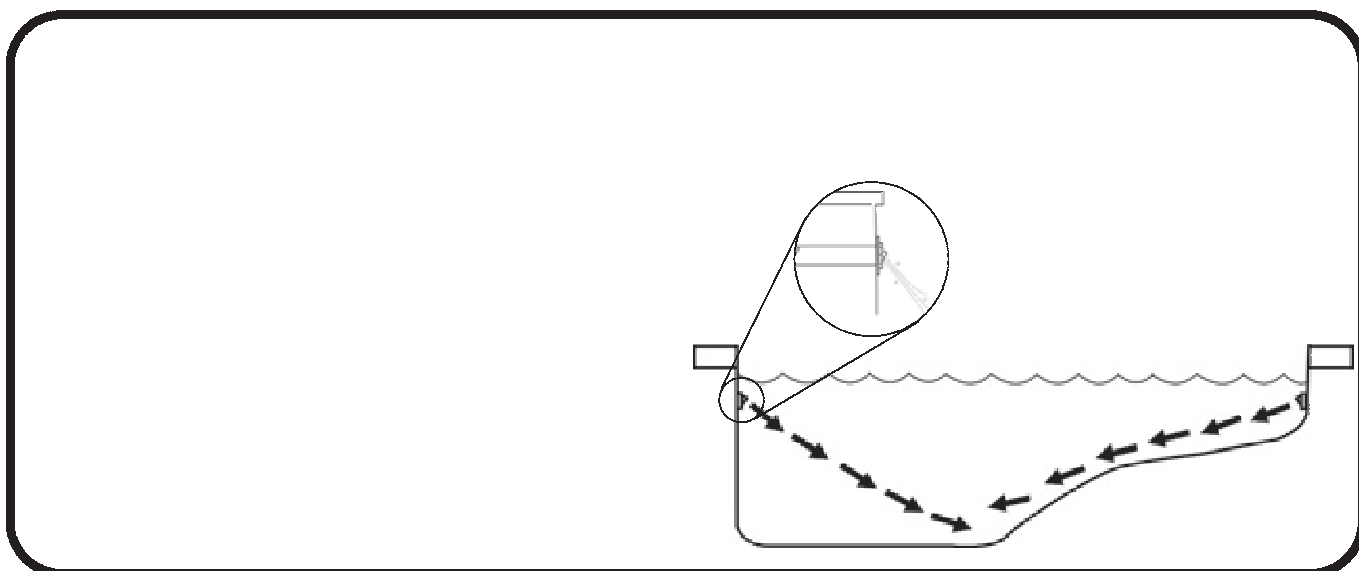
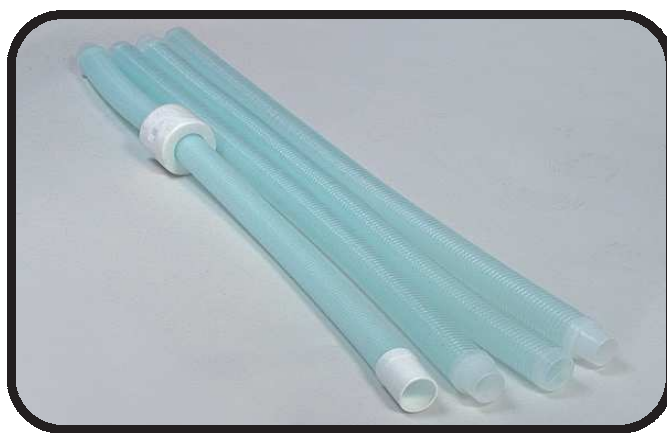


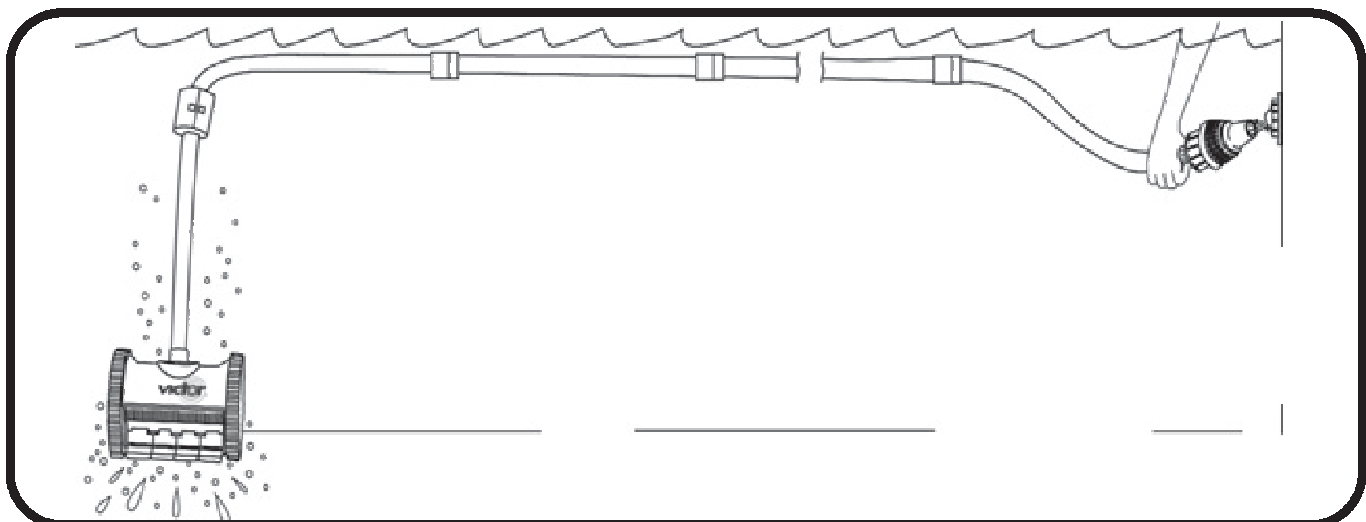
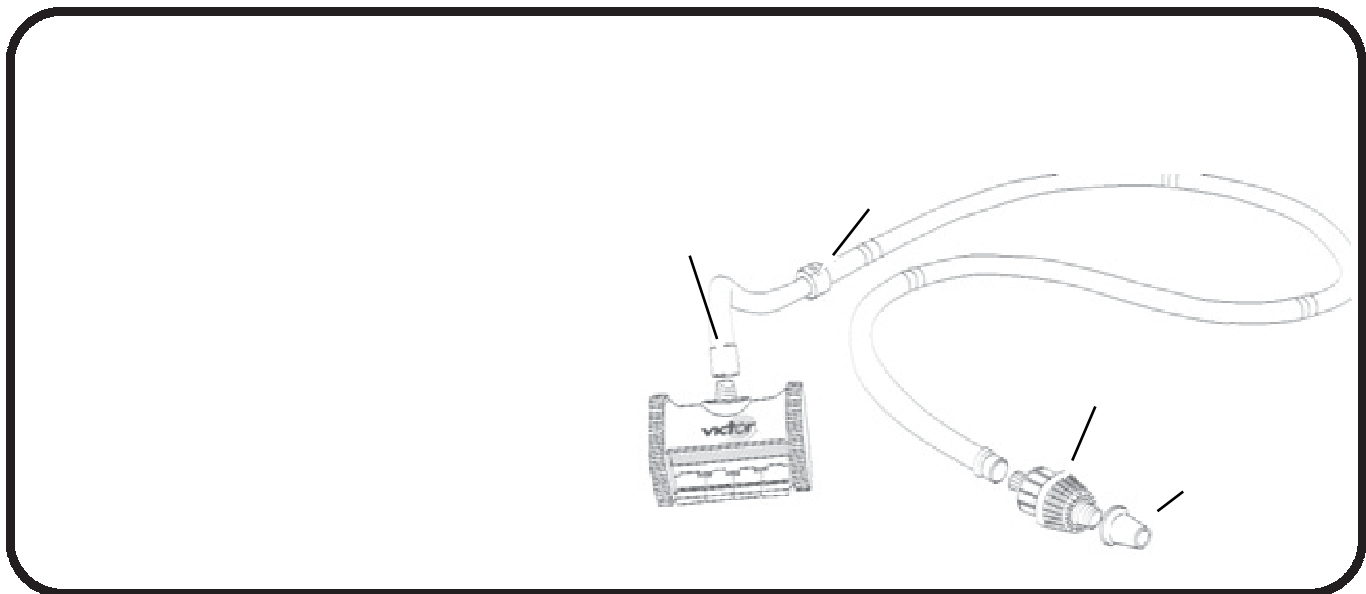
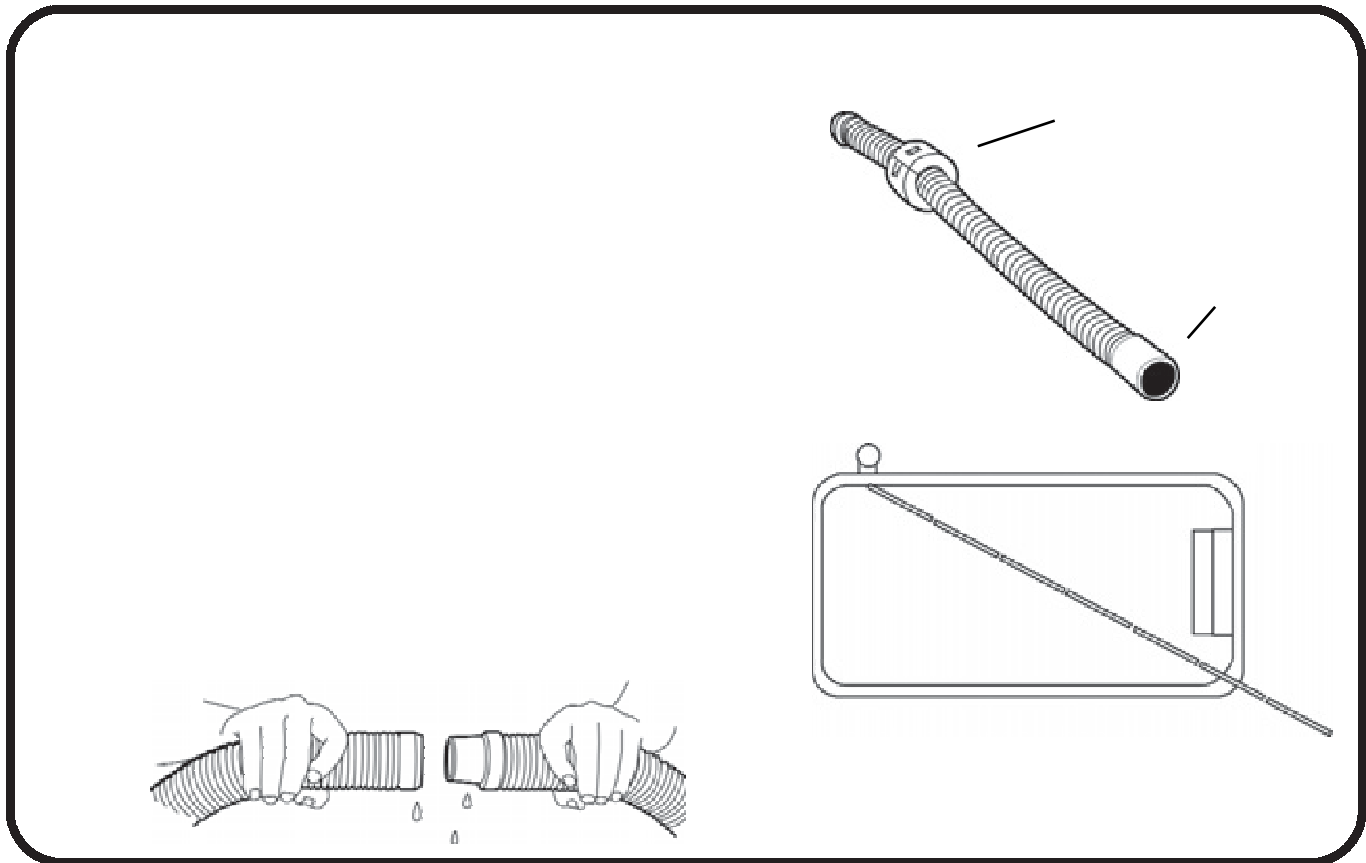
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2 YEAR GUARANTEE

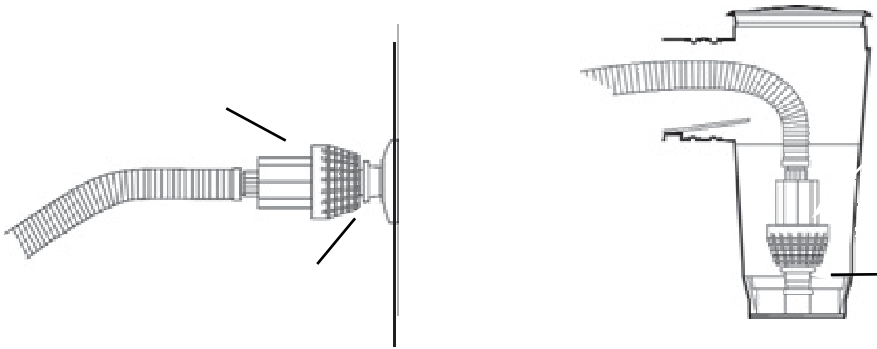




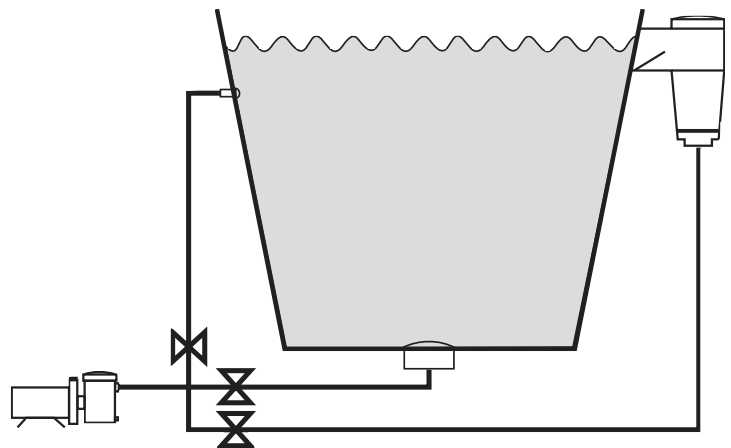




STEP 5: FINAL CONNECTION



STEP 6: SPEED AND ADJUSTMENTS



Correct



Incorrect





Stop the filtration pump before removing debris from the cleaner or the hose

CAUSE	SOLUTION
Filter is clogged reducing flowrate	Clean the filter
The pump strainer basket is clogged reducing flowrate	Remove debris from the strainer basket
The hose is partially obstructed	Remove the blockage
VICTOR's suction port is partially clogged	Remove the blockage
Turbine vanes clogged/ jammed	Remove debris from the turbine vanes (see "Servicing VICTOR", page 13)
Suction leak in plumbing	Inspect the hose for holes. Inspect hose ends for proper connection. Replace hose sections as necessary Make sure that the bypass valve and hose cone are correctly installed. *Ensure that the other suction valves and nozzles are correctly tightened
Insufficient flow and/ or suction pressure	Adjust the 3-way valve to increase the amount of water sent to VICTOR.

CAUSE	SOLUTION
The pump is not running	Turn the pump on
The pump is not primed	Prime the pump, check for suction leaks
Clogging somewhere in the system - Filter - Pump strainer basket - Tube and/or suction port - Turbine vanes	- Clean the filter - Remove debris from the pump strainer basket - Remove debris from the hose and/or suction port. - Remove debris from the vanes (see "Servicing the VICTOR", page 31)
The gears are not turning	- Remove debris from the gears - Remove debris from the turbine fins (see "Servicing", page 30) - Remove debris from the drive shafts, wheel gears and/ or tracking cam - After servicing, rotate the right front wheel "forward" to ensure that all gears turn freely
The bypass valve is blocked in its open position	(see the following table)

CAUSE	SOLUTION
The suction port is clogged	Remove debris from the suction port
The vacuum hose is clogged	Remove the obstruction from the vacuum hose
Too much flow through the bypass valve	<ul style="list-style-type: none"> - If water flow is shared between the main drain and the vacuum point (or skimmer), adjust the valve between the main drain and the vacuum point (or skimmer) to reduce flow to VICTOR - If this is not possible, decrease pump horsepower or mount a discharge valve between the pump suction and the filtered water outlet to meet VICTOR's needs
A swimmer has covered the suction port	Remove VICTOR while the pool is in use

CAUSE	SOLUTION
The vacuum hose is too short	The hose should be 2 sections longer than the distance between the connection point (vacuum point or skimmer) and the point furthest from it. Add hose sections if necessary.
The hose cone on VICTOR is jammed	Remove dirt and/or debris from the hose cone (by turning it by hand under water) until it swivels freely
Water flow at the pool surface is pushing the vacuum hose and preventing VICTOR from reaching some area of the pool	Point the return fittings downwards
The float on the lead hose section is incorrectly positioned	Move the float. The float should be 60 cm above the white sleeve on the lead hose section.
The hose was stored coiled (instead of straight)	Unroll the hose and leave it in the sun to straighten. Store the hose in straight sections to avoid this problem. Replace sections that are too curved.

CAUSE	SOLUTION
The float on the leader hose section is incorrectly positioned	The float should be 60 cm above the white tip of the lead hose section
The hose is too short	The hose should be 2 sections longer than the distance between the connection point (vacuum point or skimmer) and the point furthest from it. Add sections if necessary.

CAUSE	SOLUTION
The second skimmer is closed	Adjust the opening of the valve of the second skimmer to allow an adequate flow through this skimmer. This may entail adjustment of the flow rate to ensure an adequate flow rate through VICTOR.

CAUSE	SOLUTION
(see "VICTOR is moving too slowly, page 27)	(see "VICTOR is moving too slowly, page 27)

CAUSE	SOLUTION
Tyre tread is worn VICTOR is not turning often enough	Replace tyres and "mini-skis" The 2-wheel VICTOR model turns every 2.5 to 3 m and is designed for pools up to 11 m long. The 4-wheel VICTOR model turns every 3 to 4 m and was designed for pools up to 12 m long. If you are using a 4-wheel VICTOR in a smaller pool, you may wish to install a 2-wheel steering cam to provide more frequent turning.

CAUSE	SOLUTION
Suction pressure is too high	<ul style="list-style-type: none"> - Install a bypass valve - To reduce the water flow (and hence suction pressure) through VICTOR, adjust flow rates between VICTOR suction (vacuum point or skimmer) and other suction points (main drain or skimmer). If this is not possible, decrease pump horsepower or install a discharge valve between pump suction and the filtered water outlet to meet VICTOR's requirements.

CAUSE	SOLUTION
Pump is cavitating (not enough water in the pump).	<p>Open the main drain or skimmer valve wider to provide an adequate flow to the pump.</p> <p>If this is not possible, decrease pump horsepower or install a discharge valve between pump suction and the filtered water outlet to prevent cavitation.</p>

CAUSE	SOLUTION
The turbine vanes are clogged/jammed	Remove debris from the vanes
Gears, drive shafts, and/or wheel gears may be clogged/jammed	Remove debris from the gears, drive shafts and/or wheel gears

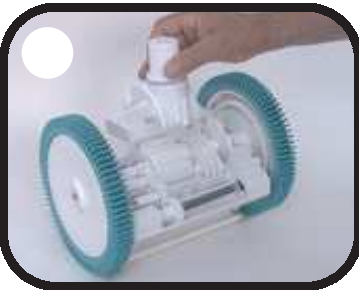
Cleaning the turbine



1. Place VICTOR on a flat surface. Remove the three screws that secure the top body cover of the VICTOR (photo 1).



2. Remove the top body cover (photo 2).



3. Remove the hose cone assembly/ turbine cover. (photo 3). Rock the assembly back and forth to loosen it for removal.



4. Remove the turbine vanes by sliding them out of the hub (photo 4). When reinstalling the turbine vanes, make sure that the vanes are inserted in the hub so that they fold forwards, or

towards the front of VICTOR. (N.B. :The back of the vanes wear with usage. When reinserting a vane into the hub, make certain that the worn side of the vane is not inserted into the hub, otherwise it may fall out.)

5. Inspect the VICTOR's gears, drive shafts and other internal components. Remove any visible debris.



6. Replace the hose cone assembly/turbine cover, making sure that it is pressed firmly into place. (photo 5).



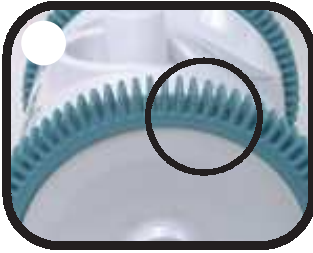
7. Rotate the right-hand wheel forwards to ensure that the wheels, turbine vanes and gears turn freely (photo 6).



8. Replace VICTOR's top body cover (photo 7) and replace the 3 screws.

Check one last time that VICTOR's right-hand wheel turns freely.

Changing the tyres



Replace the tyres on your VICTOR when the tread wears down to the tread wear indicators molded in the three locations on the side of the tyres (photo 8).

Removing worn tyres:

VICTOR (2-wheel model)

VICTOR 4 X 4 (4-wheel model)



Using your hands and starting at the top, pry the tyre off the wheel (photo 9). Tyres can be replaced without removing the wheels.

VICTOR 4 X 4 :

Remove the rear wheels to replace the tyres:

1. Place VICTOR on a flat surface. Remove the three screws securing the top body cover (photo 1).

2. Remove the top body cover (photo 2).



3. Using an Allen wrench (4 mm) loosen and remove the rear wheel bolts, turning the wrench anti-clockwise (photo 10). Remove the wheels.

4. Using your hands and starting at the top, pry the tyre off the wheel (photo 9).

Mounting new tyres:

VICTOR (2-wheel model)

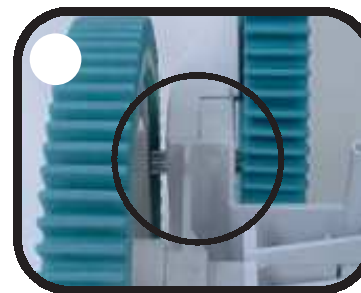
1. Position the tyre around the wheel. Press the tyre down around the wheel to ensure that the



tyre is correctly installed on the wheel (photo 11). Both tyres should be equipped with Tread Claws to allow VICTOR climb over obstacles and uneven surfaces.

VICTOR 4X4 .

1. Mount the tyres on the rear wheels as previously described. The front tyres should be equipped with Tread Claws. The rear tyres do not have Tread Claws.



2. Reassemble the rear wheels carefully, making sure that the rear drive shafts and the gear molded into the interior of the wheel engage properly (photo 12).

3. Secure the wheels using the bolts removed during dismantling (photo 10). Using an Allen wrench, tighten the bolts by turning them clockwise.

4. Inspect the gears, drive shafts and other internal components. Remove any debris or obstruction. Using the right wheel only, turn the wheel forwards to ensure that the wheels, turbine vanes and gears rotate freely (photo 6).

5. Replace VICTOR's top body cover (photo 7) and tighten the three screws.

Check one last time that VICTOR's right-hand wheel turns freely.

Resetting the bypass valve



1. Stop the filtration pump and remove the bypass valve from the vacuum point or skimmer (*photo 13*).



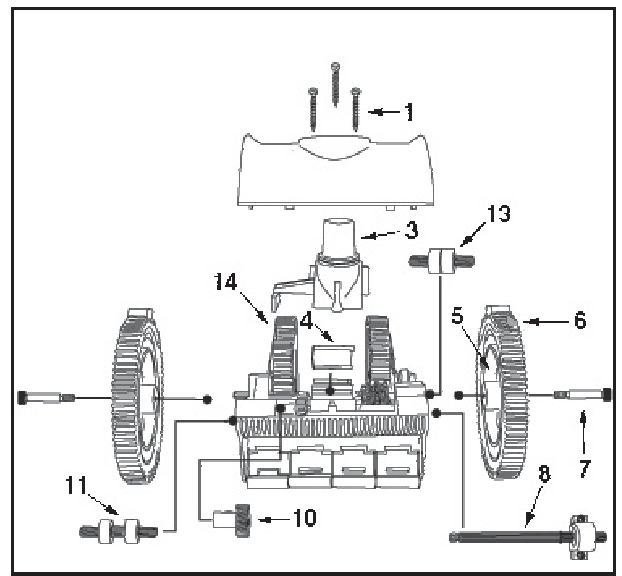
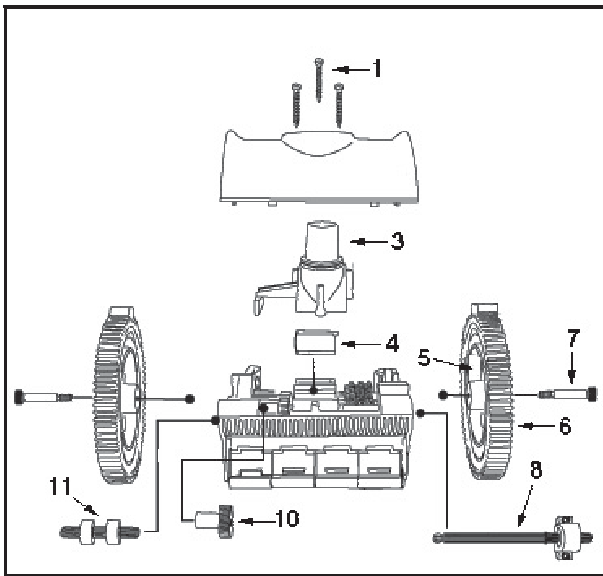
3. Holding the valve above the basket with one hand, rotate the inner section of the valve 1/4 turn (*photo 15*) until the internal section pops into its "set" position (*photo 16*).



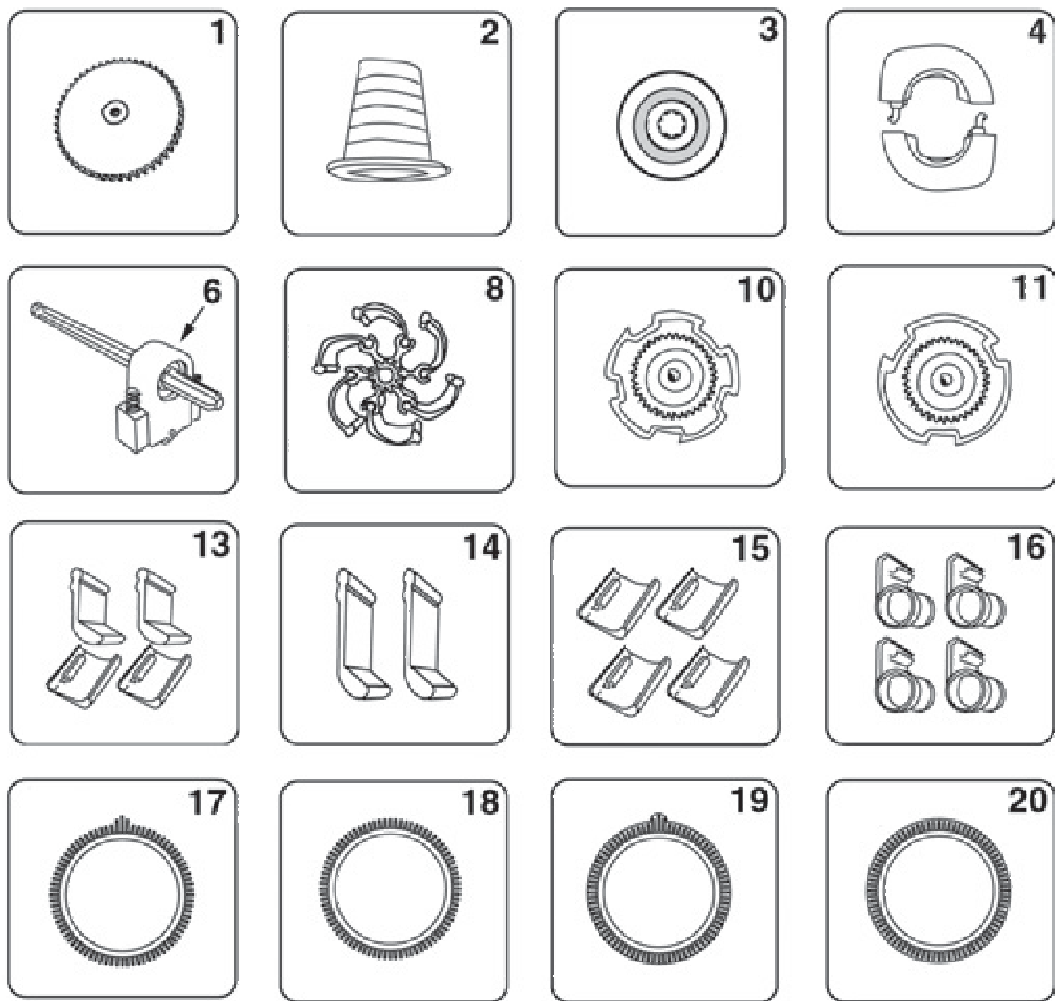
2. Disconnect VICTOR's hose from the valve (*photo 14*).



4. Reconnect the hose and insert the bypass valve with valve cone back into the vacuum point or skimmer (*photo 16*).



N°	Code	Item designation	Cond. / Pack.
1	1021009	Victor cleaner casing screw, set of 3	1
4	1021010	Victor cleaner turbine vane	4
6a	1021005	Victor cleaner toothed wheel with tread claw	1
7	1021011	Victor cleaner wheel axle screw	1
10	1021024	Victor cleaner main gear	1
13	1023001	Victor 4 wheel rear wheel axle	1
14b	1021008	Victor cleaner tyre without tread claw, tiles	1
-	1024051	Victor 2 wheel /4 wheel cleaner white hose (1m)	1



N°	Code	Item designation	Cond. / Pack.
1	1021012	Victor cleaner wheel	1
3	1021019	Victor cleaner wheel bearing, set of 2	1
6	1021018	Victor cleaner inverter with spring	1
10	1021021	Victor 2 wheel cleaner tracking cam, 5 notches	1
13	1021013	Victor cleaner mini-ski assembly	1
15	1021014	Victor cleaner mini-ski, bottom section, set of 4	1
17	1021005	Victor cleaner toothed wheel with tread claw	1
19	1021006	Victor cleaner tyre with tread claw, tiles	1

