

**FOR BEST RESULTS**, connect the hose with flow control valve directly to the skimmer faceplate suction port. Be sure to lower the skimmer lid to the top of the skimmer basket before operating your pump (see Fig. A).

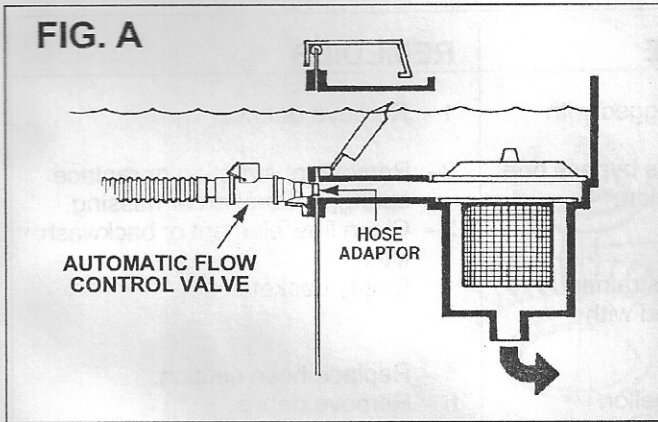
**IF YOUR SKIMMER FACEPLATE DOES NOT HAVE A VACUUM PORT**, or you choose not to use it, route the hose with flow control valve and adaptor through the skimmer opening to the suction port as shown in Fig.s B or C in this owner's guide.

**EXPUL AIR FROM HOSE AND CONNECT TO VACUUM OUTLET**

With pump running, position end of hose against pool return outlet to blow out any air in the hose. While holding end of hose below pool water level, attach to your pool or skimmer suction port. SEE FIG. A.

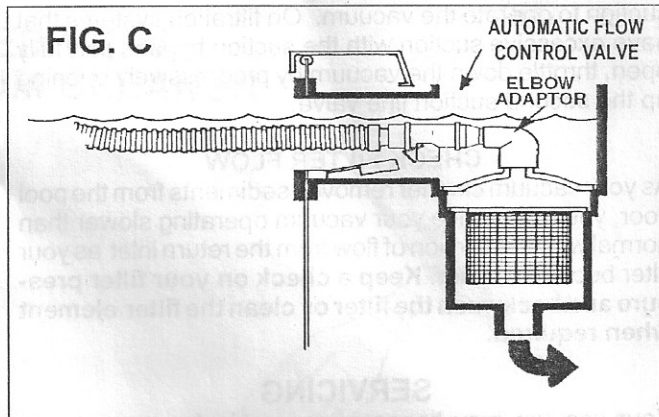
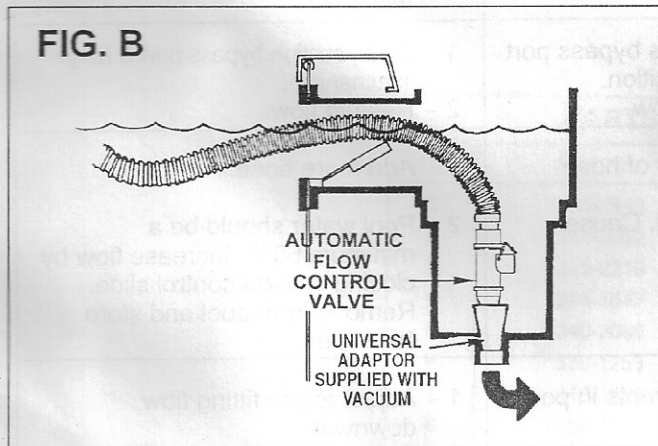
**SKIMMER VACUUM PORT**

This skimmer provides a vacuum port in the skimmer face frame below the skimmer opening. SEE FIG. A.



**INSIDE SKIMMER OUTLET**

This skimmer provides either a threaded or slip socket connection inside the skimmer at the bottom. Push larger end of universal adaptor onto the flow control valve. Then, insert into the bottom outlet inside the skimmer. SEE FIG. B.

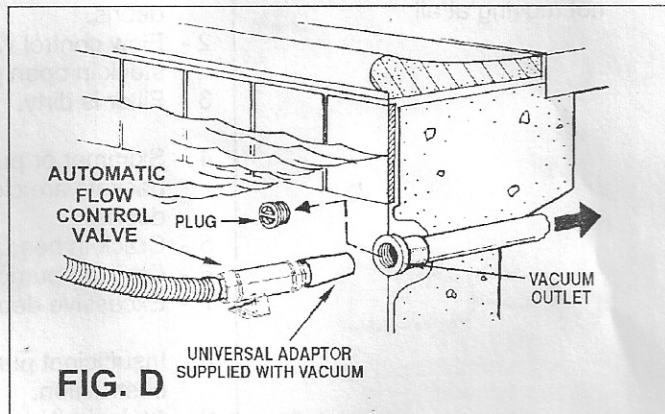


**SKIMMER VACUUM PLATE**

This skimmer is provided with a vacuum plate with a suction hose port in the center for attaching your vacuum hose. Insert the elbow adaptor (not provided) onto the flow control valve, then onto the vacuum plate outlet. SEE FIG. C.

**VACUUM OUTLET (IN-GROUND POOL)**

If your pool is provided with a vacuum port outlet in the pool wall, connect the hose to this port as follows. Push larger end of universal adaptor onto the flow control valve. Then, insert into the wall vacuum outlet. SEE FIG. D.



**OPERATION**

With the filter pump operating, you may or may not notice a pulsating vibration of your pool vacuum. Its operation depends on the amount of water flow produced by your pump, and the automatic adjustment of the flow control valve that regulates water flow to the skimmer suction port.

If the vacuum moves too slow and inefficiently when you begin to vacuum, you may need to backwash or clean your filter before you continue. Also, if the vacuum slows too much, you may have to stop and restart the filter pump to resume operation.

**CAUTION:** Excessive suction and/or speed could damage your vacuum's components and/or decrease its ability to maneuver in confined spaces. You must use the flow control valve to prolong the life of your vacuum and maximize cleaning efficiency.

**FOR POOLS WITH TWO SUCTION LINES**

For pools with two (2) suction lines (i.e. maindrain & skimmer, or 2 skimmers), it may be necessary to close the valve on the suction line not used for vacuuming to obtain enough

suction to operate the vacuum. On filtration systems that have excessive suction with the suction bypass port fully open, throttle down the vacuum by progressively opening up the second suction line valve.

### CHECK FILTER FLOW

As your vacuum cleaner removes sediments from the pool floor, you may notice your vacuum operating slower than normal with a reduction of flow from the return inlet as your filter becomes dirtier. **Keep a check on your filter pressure and backwash the filter or clean the filter element when required.**

### SERVICING

Your vacuum may become inoperable for several rea-

sons. Check the "Troubleshooting" chart to determine the cause and remedy. If your vacuum becomes clogged with debris, shut off pump. Lift the vacuum cleaner out of the pool and examine the underside intake. Pull out the debris and refer back to "Expel Air from Hose" and restart the filter and vacuum operation.

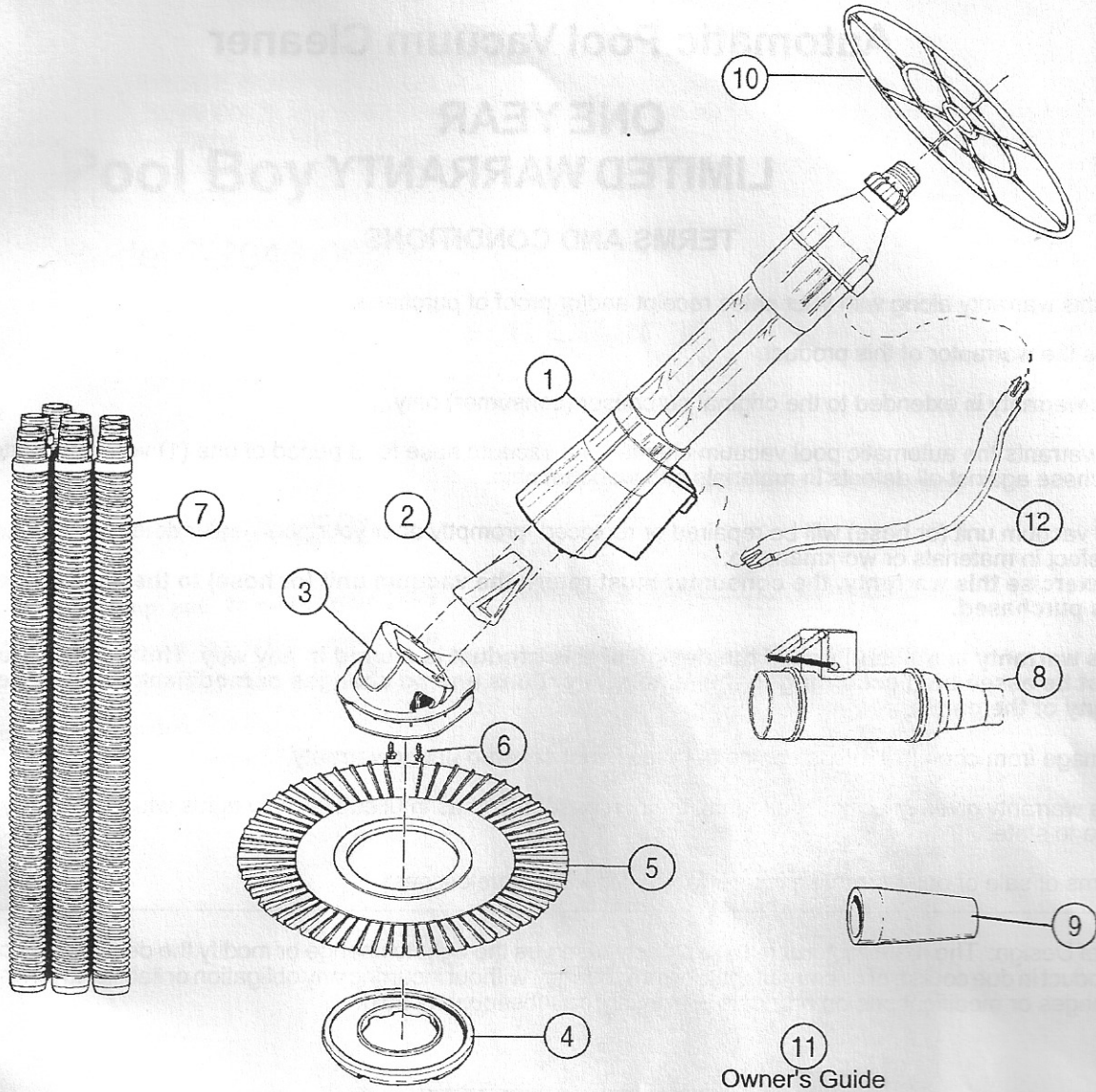
### VACUUM WINTER STORAGE

Remove your vacuum from the pool and dry completely. Disassemble the hose sections and store in the original box. **Never store the hose in a coiled position as it may retain a curved shape, not allowing the vacuum to operate efficiently.** Store the vacuum so that the suction disk lays flat, or remove the disk and store it in a flat position. Store all parts indoors.

## TROUBLESHOOTING POOL VACUUM CLEANER

PROBLEM	POSSIBLE CAUSE	REMEDIES
1. Vacuum moves too slow or not moving at all.	<ul style="list-style-type: none"> <li>1 - Vacuum intake clogged with debris.</li> <li>2 - Flow control valve's bypass port stuck in open position.</li> <li>3 - Filter is dirty.</li> <li>4 - Skimmer or pump strainer baskets are clogged with debris.</li> <li>5 - Crack in hose.</li> <li>6 - Clogged pump impellor.</li> <li>7 - Excessive debris on pool floor.</li> <li>8 - Insufficient pump flow due to obstruction.</li> <li>9 - Air leak at skimmer face plate causing water to drain from skimmer body.</li> </ul>	<ul style="list-style-type: none"> <li>1 - Remove debris.</li> <li>2 - Remove obstruction or replace spring(s) if broken or missing.</li> <li>3 - Clean filter element or backwash filter.</li> <li>4 - Empty baskets.</li> <li>5 - Replace hose section.</li> <li>6 - Remove debris.</li> <li>7 - Manually remove debris from floor.</li> <li>8 - Remove obstruction.</li> <li>9 - Tighten skimmer face plate screws or replace face plate gaskets.</li> </ul>
2. Vacuum moves too fast.	<ul style="list-style-type: none"> <li>1 - Flow control valve's bypass port stuck in closed position.</li> <li>2 - Excessive pump flow.</li> </ul>	<ul style="list-style-type: none"> <li>1 - Clean suction bypass port &amp; hinge mechanism.</li> <li>2 - Restrict flow.</li> </ul>
3. Vacuum cleans one end of pool. Won't clean entire pool.	<ul style="list-style-type: none"> <li>1 - Insufficient number of hose sections.</li> <li>2 - Pool water too cold. Causes hose to stiffen.</li> </ul>	<ul style="list-style-type: none"> <li>1 - Add more hose.</li> <li>2 - Pool water should be a minimum 60°F. Increase flow by closing suction control slide. Remove from pool and store for winter.</li> </ul>
4. Vacuum turns over.	<ul style="list-style-type: none"> <li>1 - Excessive flow currents in pool.</li> <li>2 - Contacting an obstruction in pool.</li> <li>3 - Hose too long.</li> </ul>	<ul style="list-style-type: none"> <li>1 - Adjust return fitting flow downward.</li> <li>2 - Remove obstruction.</li> <li>3 - Remove hose one section at a time.</li> </ul>

# EXPLODED VIEW POOL VACUUM CLEANER



PARTS LIST Model 7-2046-000			
ITEM	PART #	QTY	DESCRIPTION
1	1121-1843	1	Vacuum Body Assembly
2	340-2062	1	Driver
3	340-2219	1	Vacuum Head
4	348-1047	1	Suction Pad - Blue
5	340-2066	1	Suction Disk -Blue
6	330-1253	2	#8 x 3/4" Screws
7	346-1079	10	1-1/2" x 3' Hose
8	1107-1681	1	Flow Control Fitting
9	340-2108	1	Universal Adaptor
10	340-2112	1	Pool Vacuum Ring
11	365-2111	1	Owner's Guide
*12	341-1412	1	Rub Bar - Blue