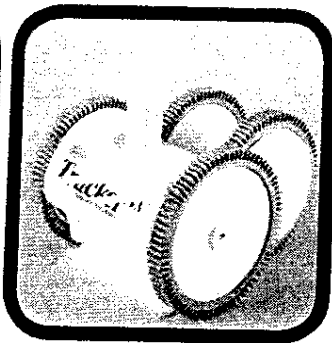
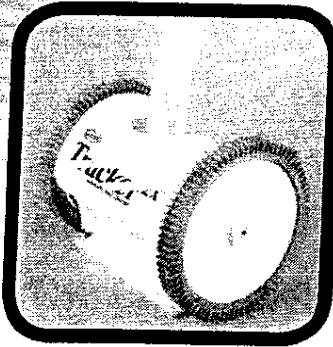
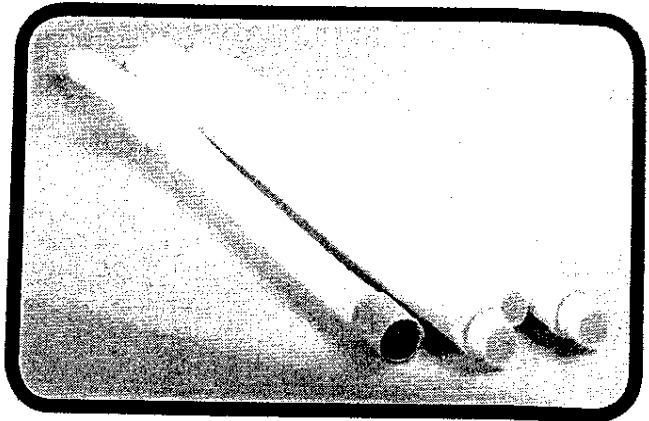


COMPONENTS CHECKLIST

Before installing your *Tracker*, please be certain that all of the following parts are included:



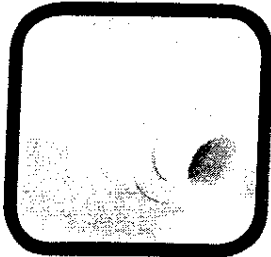
(1 each) *Tracker™2X* *OR* *Tracker™4X*



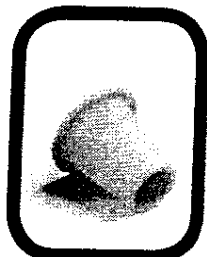
(1 each) **Hose Kit:**

Tracker 2X: Includes 9 sections of hose plus leader hose with float.

Tracker 4X: Includes 11 sections of hose plus leader hose with float.



(1 each) Bypass Valve



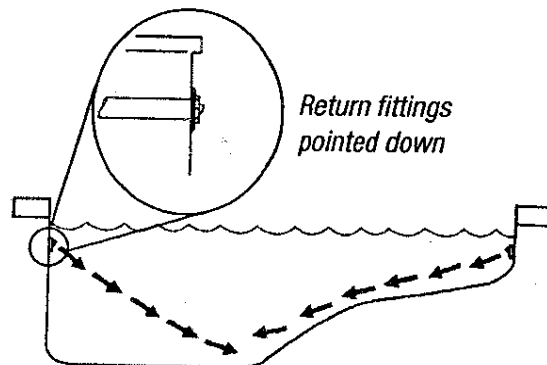
(1 each) Valve Cone

INSTALLING YOUR TRACKER™

The new *Tracker™* unit itself comes completely assembled and no adjustment is necessary. The entire "system" (*Tracker™*, hoses, bypass valve and valve cone) installs in just a few minutes and requires no tools. Once installed, we're confident you will appreciate the silent operation and the built-in Jacuzzi quality.

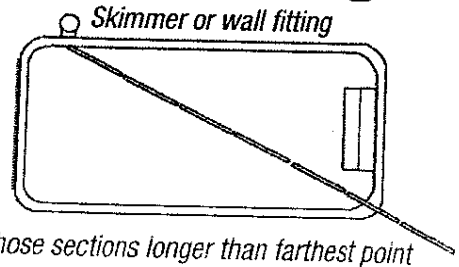
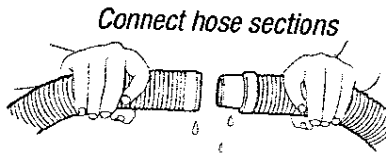
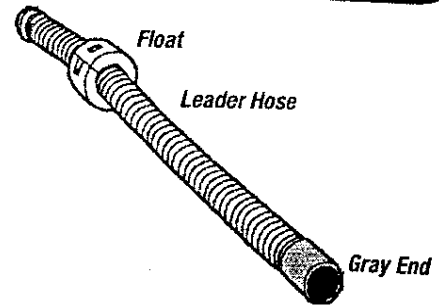
STEP 1: PREPARING YOUR POOL

- Manually vacuum your pool and remove all large debris.
- Thoroughly clean your pool filter, the pump basket, and the skimmer basket.
- Point pool return fittings downward.



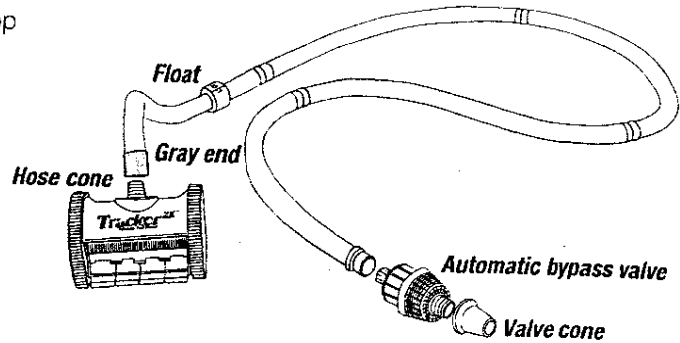
STEP 2: ASSEMBLING THE HOSE

- The *leader hose* with the *gray end* and the *float* attached, is the first section of hose.
- Connect all hose sections together; hose assembles easier when wet.
- Hose should be 1-2 sections longer than the farthest point from your point of connection, either a skimmer or wall fitting.

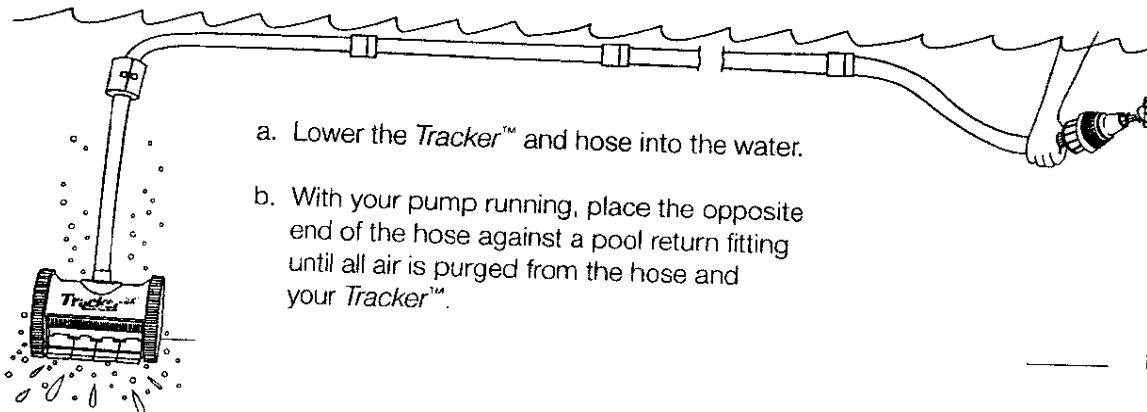


STEP 3: ATTACHING HOSE TO EQUIPMENT

- Connect *gray end* of leader hose with the attached *float* to the *hose cone* on the top of your *Tracker™*.
- Connect the opposite end of the hose to the *Automatic Bypass Valve*. **This is essential for the proper operation of your Tracker.** See "STEP 6" for details on the *Automatic Bypass Valve*.
- Connect the *Automatic Bypass Valve* to the *Valve Cone*.



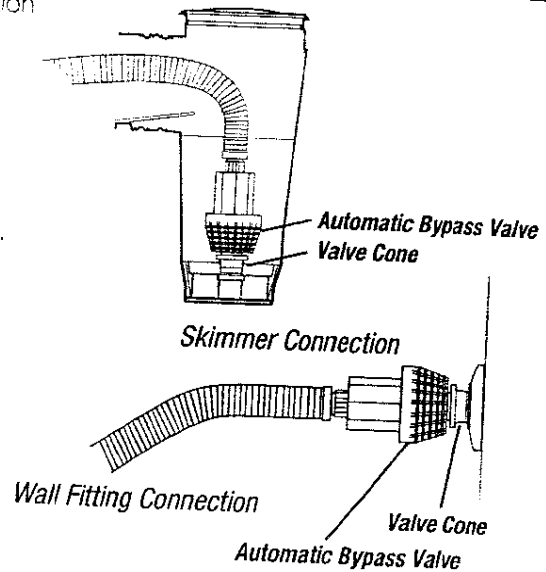
STEP 4: SUBMERGING THE TRACKER AND HOSE



- Lower the *Tracker™* and hose into the water.
- With your pump running, place the opposite end of the hose against a pool return fitting until all air is purged from the hose and your *Tracker™*.

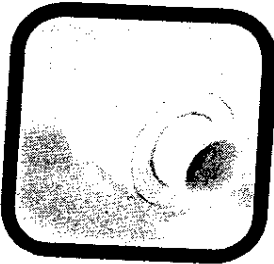
STEP 5: FINAL CONNECTION

- IMPORTANT!** Before making the final connection to your pool, be certain that the power supply to your pumps is disconnected "OFF". Pump suction can be very dangerous!
- Firmly press the *Automatic Bypass Valve* and *Valve Cone* into the bottom of your skimmer or into your "suction side" wall fitting (if applicable).
- Reconnect power supply to your pump.



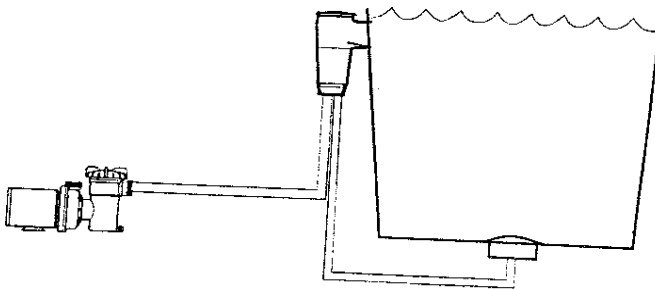
STEP 6: AUTOMATIC BYPASS VALVE (Optional Adjustments)

The patented *Automatic Bypass Valve* is essential for the proper operation of your *Tracker*. The Bypass Valve automatically compensates for variations in pump horsepower and flow to insure that the *Tracker* does not exceed its optimum wheel speed of 11-13 RPM. Depending on the specific horsepower and flow of your pump, this valve will open and bypass a measured amount water, thus maintaining the optimum wheel speed while allowing more water to reach your pump.



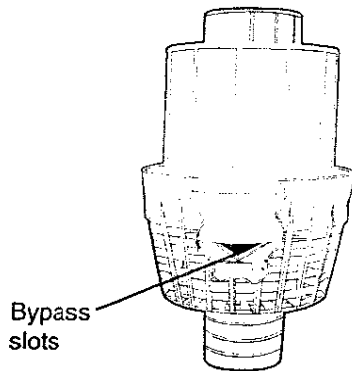
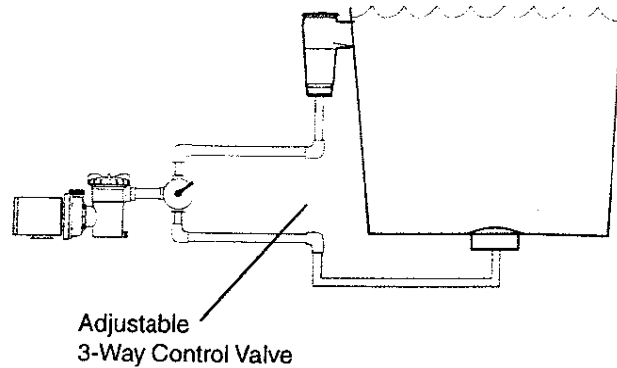
(Note: Removing the *Bypass Valve* may lead to very high wheel RPM which could result in excessive wear, possible damage or failure, and a voided warranty. It is important that you do not exceed 13 RPM. In the same sense that you would not drive your car at 70 mph in low gear, allowing the *Tracker* to exceed 13 RPM will lead to premature failure. The *Automatic Bypass Valve* prevent the *Tracker* from exceeding 13 RPM.)

Typically, two plumbing options will determine whether any additional system adjustments will be necessary to achieve the best performance for your *Tracker* and your pool equipment:



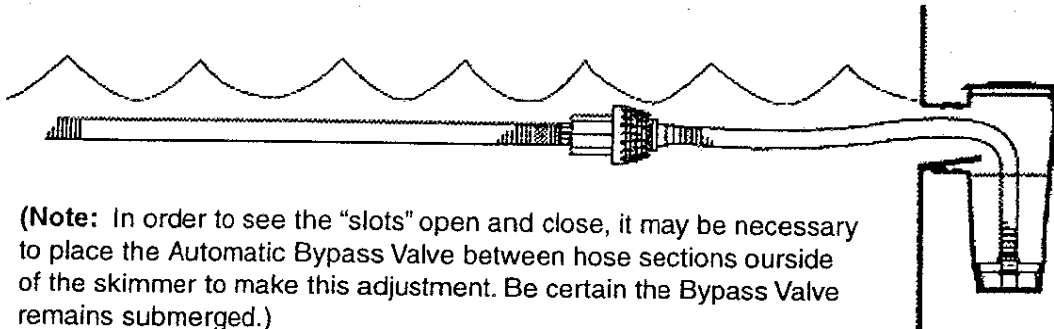
Plumbing Option 1: *Single Line Suction* - If you have only one pipe coming from your pool to your pump (*single line suction*), there are no additional adjustments necessary. The Bypass Valve will automatically adjust your system for optimum *Tracker* RPM and optimal flow to your pump.

Plumbing Option 2: Adjustable, 3-Way Control Valve - If an *adjustable 3-Way control valve* is installed between the main drain and skimmer, you may be able to adjust your system to achieve higher flows and longer filter cycles while maintaining optimum *Tracker™* performance. There are *three methods* available to identify the "perfect" adjustment. However, before you make any adjustments, be certain that the first seven "**Solutions**" on page 8 (Troubleshooting: *Tracker* moves too slowly) have been met to insure that any potential restrictions in your system have been removed.

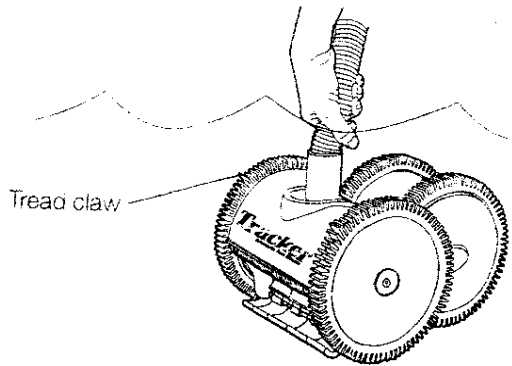


Method 1: Visual Adjustment - Begin with the 3-way valve set so that 100% of the water is running through the *Tracker* and the skimmer. The bypass "slots" on the *Automatic Bypass Valve* (see diagram) will be at the maximum extension that can be developed with your specific pump. Adjust the 3-way control valve towards the main drain until you see the "slots" first begin to close. This will be your optimum system adjustment.

(Note: Depending on the plumbing and equipment in your system, the bypass "slots" may not open. In that case, leave the 3-way valve set 100% on the skimmer setting while using your *Tracker*.)



(Note: In order to see the "slots" open and close, it may be necessary to place the Automatic Bypass Valve between hose sections outside of the skimmer to make this adjustment. Be certain the Bypass Valve remains submerged.)

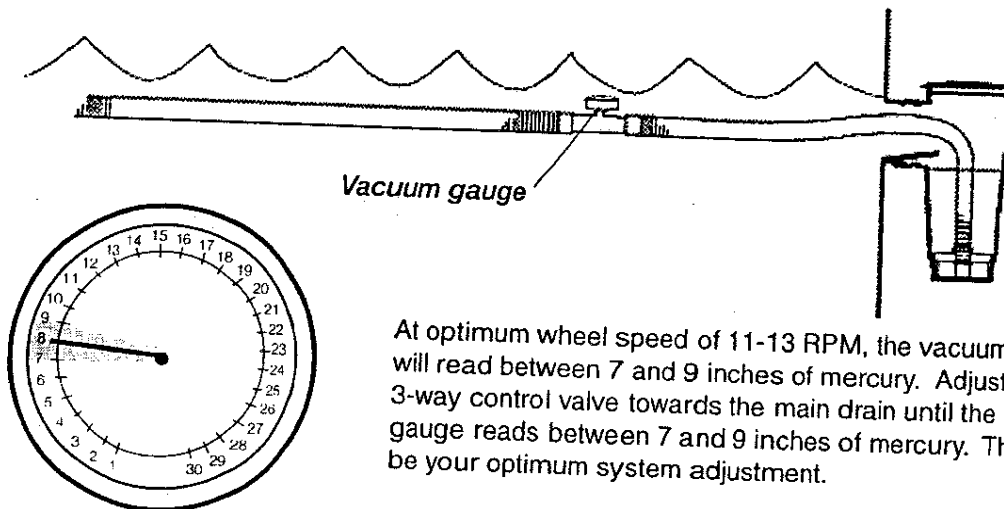


Method 2: Adjust Wheel RPM (11 to 13 RPM) - Hold the *Tracker* by the leader hose near the hose cone (picture) and suspend it **just below the water level**. (Cleaner must be submerged to function properly.) Locate the raised "**Tread Claw**" on the right, front wheel. The number of revolutions the "**Tread Claw**" makes in one minute is the wheel RPM.

Begin with the 3-way valve set so that 100% of the water is running through the *Tracker* and the skimmer. Adjust the 3-way control valve towards the main drain until the wheel RPM begins to drop below 13 RPM. This will be your optimum system adjustment.

(**Note:** Depending on the plumbing and equipment in your system, the wheel RPM may already be below 13 RPM. In that case, leave the 3-way valve set 100% on the skimmer setting while using your *Tracker*. The *Tracker* will continue to clean your pool with wheel speed as low as 8 RPM.)

Method 3: Vacuum Gauge Reading - Begin with the 3-way valve set so that 100% of the water is running through the *Tracker* and the skimmer. Insert a vacuum gauge between hose sections 9 and 10 (counting from the *Tracker* towards skimmer).



At optimum wheel speed of 11-13 RPM, the vacuum gauge will read between 7 and 9 inches of mercury. Adjust the 3-way control valve towards the main drain until the vacuum gauge reads between 7 and 9 inches of mercury. This will be your optimum system adjustment.

(**Note:** Depending on the plumbing and equipment in your system, the vacuum may already read at or below 7 and 9 inches of mercury. In that case, leave the 3-way valve set 100% on the skimmer setting while using your *Tracker*. The *Tracker* will continue to clean your pool with vacuum readings as low as 4-5 inches of mercury.)

(**Note:** Each length of hose represents approximately 1/2" of mercury loss.)

(**Note:** A vacuum gauge is not included with the *Tracker*. Vacuum gauges are available through your local pool dealer.)

STEP 7 : CRITICAL NOTES

NOTES:

1. **⚠️ WARNING** This is **NOT** a toy. When swimming in the pool, remove the **Tracker™** from the water.
2. When you take the cleaner out of the pool, do not coil your hose. It must be stored straight.

Installation is now complete. Enjoy your Tracker™!

TRACKER™ TROUBLESHOOTING

⚠️ WARNING Disconnect power before removing any debris from the cleaner or hose.

Problem: Tracker moves too slowly.

Cause	Solutions
Dirty filter reducing flow	Clean filter
Clogged pump strainer basket reduces flow	Remove debris from strainer basket
Vacuum hose partially clogged	Remove blockage from hose
Clogged "suction port"	Remove blockage from "suction port"
Clogged "turbine vanes"	Remove debris from "turbine vanes" (see "Servicing Your Tracker", pg. 16)
Clogged pump impeller	Remove debris from pump impeller
Suction leak in plumbing	*Inspect hose for holes; inspect hose ends for proper connection; replace hose sections as necessary. *insure that the Automatic Bypass Valve and the Valve Cone are properly installed and sealed. * Insure that other suction pipe and fittings are properly glued and/or sealed.
Insufficient flow (gallons per minute: gpm) and/or suction pressure	* If water flow is shared between main drain and skimmer, adjust valving between main drain and skimmer to increase flow through skimmer. *Be certain that suction pipe is sized large enough to handle 12-15 gpm. * Increase pump HP to insure adequate flow and suction pressure

Problem: Tracker™ does not move at all.

Cause	Solution
Pump not running	Turn pump on
Pump not primed	Prime pump; check for suction leaks
Clogging somewhere in system: *Filter Dirty *Pump strainer basket full *Pipe and/or vacuum hose clogged *Turbine vanes clogged *Pump impeller clogged	* Clean filter * Remove debris from pump strainer basket * Remove debris from pipe and/or vacuum hose * Remove debris from vanes (see "Servicing Your Tracker"; pg. 16) * Remove debris from pump impeller
Gears not turning Automatic Bypass Valve has popped open	*Remove debris from gears *Remove debris from "Turbine Vanes" (See "Servicing Your Tracker"; pg. 16) *Remove debris from "drive shafts", "wheel gears", or "tracking cam" *After maintenance, rotate right front wheel "forward" to insure all gears turn freely. (See page 9)

Problem: Bypass valve has popped open (valve must be manually reset).

Cause	Solution
Clogged suction port on Tracker™	Remove debris from suction port
Pipe and/or vacuum hose clogged	Remove debris from pipe and/or vacuum hose
Too much flow through bypass valve	*If water flow is shared between main drain and skimmer, adjust valving between main drain and skimmer to <i>decrease</i> flow through skimmer. *If flow from the pool to your pump comes from your skimmer only, either <i>decrease</i> pump horsepower or use a valve on the <i>discharge</i> side of your pump to <i>decrease</i> flow to match Cleaner requirements.
Swimmer has covered the suction port	When swimming, remove the Tracker™ from the pool

IMPORTANT! If the bypass valve has popped open, it must be manually reset to resume normal operation. This is a safety feature to protect your pump and Tracker™ (See "Resetting the Bypass Valve" page 15)

Problem: Tracker is not cleaning the entire pool.

Cause	Solution
Vacuum hose is too short	Hose should be 1-2 sections longer than farthest point from connection at skimmer or wall fitting. Add hose sections as necessary.
Hose Cone on top of <i>Tracker</i> ™ is jammed	Remove any dirt or debris from <i>hose cone</i> until it swivels freely.
Flow of water on pool surface is pushing vacuum hose and preventing <i>Tracker</i> ™ from reaching certain areas of pool.	Position pool "return fitting" eyeballs downward.
The <i>float</i> is improperly positioned on the leader hose	In most applications, the <i>float</i> should be located 25 inches above the gray end of the <i>leader hose</i> .

Problem: Cleaner falls over on its side.

Cause	Solution
The <i>float</i> is improperly positioned on the leader hose	In most applications, the <i>float</i> should be located 25 inches above the gray end of the <i>leader hose</i> . If condition persists, twist float on leader hose, moving it closer to the gray end of the leader hose until condition disappears. (Moving float closer to gray end will hinder ability of <i>Tracker</i> ™ to climb walls).
Vacuum hose is too short	Hose should be 1-2 sections longer than farthest point from connection at skimmer or wall fitting. Add hose sections as necessary.

Problem: Tracker will not climb wall.

Cause	Solution
(See " <i>Tracker</i> moves too slowly" pg. 11) The <i>float</i> is improperly positioned on the leader hose	(See " <i>Tracker</i> ™ moves too slowly" pg. 11) In most applications, the <i>float</i> should be located 25 inches above the gray end of the <i>leader hose</i> . If condition persists, twist float on leader hose, moving it farther from the gray end of the leader hose until condition disappears. (Moving float farther from the gray end will improve the ability of <i>Tracker</i> ™ to climb walls).

Problem: Leaves are gathering on surface near a second skimmer.

Cause	Solution
Skimmer is closed	Adjust valving so that second skimmer has adequate flow to operate properly. This step may require additional flow adjustments in order to maintain adequate flow through the Tracker™ .

Problem: Tracker™ is climbing the wall too much.

Cause	Solution
Tire tread is worn	Replace <i>tires</i> and " <i>mini-skirts</i> ".
Cleaner not turning often enough	The 2-wheel Tracker™ turns every 8-10 feet and is designed for pools up to 24 feet long. The 4-wheel Tracker™ turns every 11-14 feet and is designed for pools beginning at 20 feet long. If you have a 4-wheel Tracker™ in a smaller pool, you may wish to install the 2-wheel <i>steering cam</i> to provide more frequent turning.

Problem: Tracker™ is climbing out of the pool.

Cause	Solution
Too much suction pressure	<ul style="list-style-type: none"> * Make sure bypass valve is installed. * If water flow is shared between main drain and skimmer, adjust valving between main drain and skimmer to decrease flow (and therefore suction pressure) through skimmer. * If flow from the pool to your pump comes from your skimmer only, either decrease pump horsepower or use a valve on the discharge side of your pump to decrease flow to match Cleaner requirements.



Problem: Pump is very loud when Tracker™ is connected.

Cause	Solution
Pump is cavitating	*If water flow is shared between main drain and skimmer, adjust valving between main drain and skimmer to <i>increase</i> flow through the main drain *If flow from the pool to your pump comes from your skimmer only, either <i>decrease</i> pump horse power or use a valve on the <i>discharge</i> side of your pump to <i>decrease</i> flow to match Cleaner requirements.

Problem: Right wheel will not turn by hand.

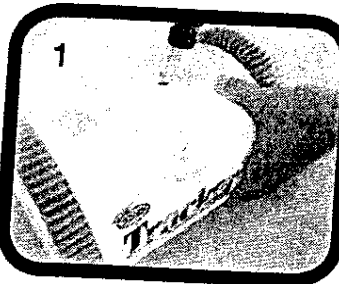
Cause	Solution
Turbine vanes are clogged/jammed Gears, drive shafts, and/or wheel gears may be clogged/jammed	Remove debris from vanes. Remove debris from gears, drive shafts, or gears/wheel

Problem: Hose will not straighten out.

Cause	Solution
Hose stored in a coiled position	Stretch hose out in sunlight to straighten sections. Store straight. Replace with new Tracker™ hose. (Use only Jacuzzi Tracker™ brand hoses)

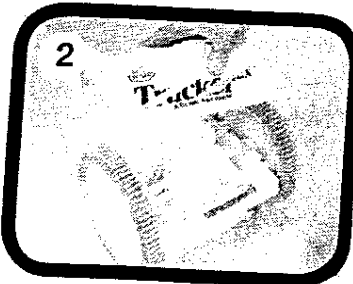
SERVICING YOUR TRACKER™

Removing debris from the turbine vanes



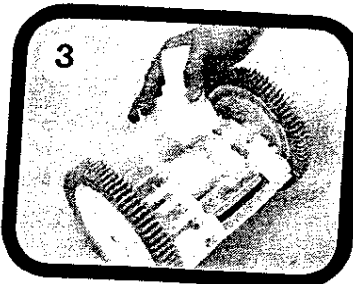
1. Place the *Tracker*™ on a flat surface. Remove the three screws that secure the *top body cover* of the *Tracker*™. (photo 1)

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

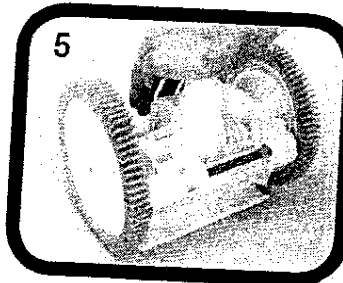
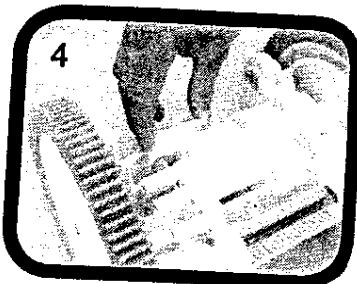


3. The *hose cone assembly/turbine cover* covers the turbine chamber. Remove the *hose cone assembly/turbine cover*. (photo 3)

(Note: This is a snug fit; you may need to rock the assembly back and forth to loosen it for removal.)

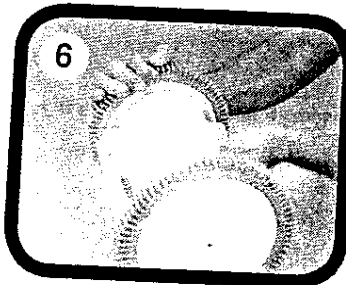


4. Remove any debris from the turbine vanes. If necessary, remove the vanes by sliding them out of the hub. When reinstalling the turbine vanes, be sure that the vanes are inserted in the hub so that they fold forwards, or towards the front of the *Tracker*™. (photo 4) (Note: The back of the vanes wear with usage. When

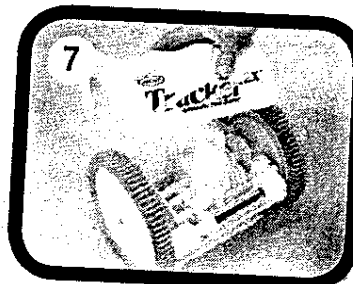


5. While the *top body cover* is off, inspect the gears, drive shafts, and other internal parts. Remove any visible debris or obstruction.

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



7. Using the *right wheel(s) only*, turn the wheel forward to insure that the wheels, turbine vanes, and gears turn freely. (photo 6)



8. Replace the *top body cover*; (photo 7) secure using the three screws removed in step 1.

reinserting a vane into the hub, be certain that the worn side of the vane is not inserted into the hub.