

VII. HANDLING YOUR BUEHLER TURBOCRAFT

Turbocraft hulls are designed to keep most of the weight on top of the water. The faster you travel the less water the hull draws. When traveling over sand bars a wedge of water is formed which buoys up the Turbocraft even further. Do not make the error in judgment, however, that the same thing happens over an individual rock or stone. The procedure is to go as fast as possible over the shallowest parts, attempt to turn only where the water is a little deeper. If it seems advisable to turn back, do so while the water is still deep enough, because a sharp turn always causes the boat to draw more water. Do remember that the faster the speed, the more likelihood there is of sustaining some damage if you run aground or hit a rock.

The full thrust of the jet stream is utilized to steer the Turbocraft, so it follows that the higher the engine speed, the quicker will be the turn. When making a short 180° turn at high speed it is necessary to ease the throttle momentarily near the completion of the turn to prevent the intake from sucking in air and racing the engine.

Planing hulls are most efficient with a high power to weight ratio, so for the very ultimate in performance of your Turbocraft be weight conscious.

When the boat is stationary, or nearly so, stones can be lifted up from as far as two feet down at high engine speeds, sometimes blocking the intake screen and spoiling the thrust. The jet stream's appearance may remain unchanged but a marked reduction in performance will be noted. If this happens, close the directional control gate by shifting to Neutral and the debris will fall away. Any remaining debris should be cleaned away manually when it is convenient.

Avoid using Neutral and Reverse gate positions in shallow waters as the gate may become clogged or jammed.

In waters that are very heavily laden with organic matter such as leaves, twigs and floating weeds, the thrust may drop off due to the clogging of the intake screen. This can be cleaned quickly while underway by reducing the engine speed and closing and opening the directional control gate by shifting to Neutral and then back to Forward. The Auxiliary Water Filter may also become clogged and should be cleaned to prevent the engine from overheating.

1. DO travel as fast and straight as possible over shallows.
2. DO keep your Turbocraft in first class order to insure complete reliability in any situation.
3. DO watch for submerged rocks and snags in pools and near outcrops or faces of rock.