

BOATS: SCAT 1

Boat – Description

Type of boat and manufacturer.
Has navigation lights.

Motor - Description

- Honda, four stroke. Similar to motor in an automobile.
- Use regular gas.
- You do not mix oil in with the gas. The motor has a separate oil tank.
- Use 5W-30 (API standard SG, SH or SJ)
- The gas filler cap is on top of the console behind the windshield and the gas tank is below and inside the console.

Boat Operation:

Launching:

- To tow the boat, a 2 inch ball is required. If using a bumper hitch, as opposed to a hitch secured to the chassis of the vehicle, be sure it can handle the weight.
- Always hook up the safety chains and use a hitch pin or bolt in the lock hole to secure the coupler.
- Be sure the motor is tilted up when driving to the launch ramp.
- Be sure the floor drain plugs on each side of the transom are in place.
- Be sure the bilge pump area drain plug in the center of the transom is in place.
- Once the boat is in the water, tilt the motor down (switch on side of throttle handle).

Starting the engine:

- **IMPORTANT:** Check oil level.
- **IMPORTANT:** Never run the motor out of the water even for an instant as this may do irreparable harm.
- Prime the motor by squeezing the bulb on the gas line until it is hard.
- On the first start, pull out manual choke on the motor. Pushing the key in ‘chokes’ the motor without using the choke lever.
- Make sure the throttle handle is in neutral and put the key in the switch.
- Turn the key to start the motor. If the motor doesn’t start right away push in the release button (round black button) on the side of the throttle and push the throttle handle forward a couple of inches so the motor is in fast idle in neutral. The release button acts as a clutch.
- Once the motor starts, allow it to warm up for about one minute, then push the manual choke in slowly. If motor wants to cut off, push the key in and release as needed.
- **IMPORTANT:** Check for water stream coming out of the back of the motor. If it does not, then shut down motor immediately.
- Before leaving the docks, allow motor to run for about five minutes to warm up completely.

Operating the boat:

- Basic maneuvers for operating a power boat: <http://www.uspowerboating.com/maneuvers.htm>
- **IMPORTANT:** If you leave the helm even briefly, turn the motor off first.
- If the boat has been idling or running at low speed a lot, which is typical in a sailing class, before coming in run the boat down the lake at speed (three quarter throttle) to 'blow out' the motor.

Boarding Ladder:

- **IMPORTANT:** Engine **MUST** be off before using the ladder.
- Severe bodily injury will result from contact with the propeller.
- **NEVER** use the ladder when the boat is not in the water.

Shutting down the engine:

Throttle down to idle, put gear in neutral and turn off key.

It is not necessary to unhook the gas line and run the motor till it runs out of gas.

Retrieving:

Leaving on the water:

Remove port-side plug only, leave bilge pump OFF.

Putting up in drydock:

- Be sure the motor is tilted up when driving to the launch ramp.
- Drydock – place in the space the boat was removed from.
- **IMPORTANT:** Be sure to place the boat on the correct trailer. SCAT 1 must go on SCAT 1 trailer.
- **IMPORTANT:** Be sure to leave the motor in the tilted down position. If it is left tilted up in cold weather, water trapped may freeze up and cause damage.

Other Equipment:

Radio:

- How to hookup to boat:
- How to operate:
 1. Use the 1 watt transmit power setting
 2. Do not hold the microphone close to your mouth or it will overdrive the mic and distort.
- Which channels to use:
 - Race Series: Committee boat to Safety boats: channel 71.
 - Weather: WX 2.
 - Marina office:
The marina does not monitor any marine channels.
To contact the wardens, call them by phone at 336-373-3694.
- How to turn PA on:

Battery:

A volt meter, used to monitor the battery status, is mounted on the lower left corner of the dash- it's the rectangular black box under the steering wheel. To test, press and hold the white button labeled "PUSH". You will see up to three LED's light up, indicating a good battery. Less than three means use the other boat and let the Equipment Chairman know that battery is out of service.

Pushing the button while the engine is running should light up four LED's indicating the battery is charging properly.