

Checking fuel level while the SC2 model SmartCarb is mounted to the vehicle.

Note: Due to the variety of applications and differences in fitment between applications, a SmartCarb on one vehicle may be more or less angled or tilted than a SmartCarb on another vehicle. Checking fuel level while the SmartCarb is mounted to the vehicle is recommended for ballpark measurements.

1. Fuel the SmartCarb. Refer to page 31 of the User Installation and Tuning Manual for initial fueling instructions. Manuals are available online at smartcarbfuelsystems.com

Note: Leave the fuel petcock at the tank turned to the ON position for the duration of the fuel level test. The floats will close the needle valve once the float bowl has filled. Should flooding occur or if you see a very high float level while performing the steps below, immediately turn the fuel petcock to the OFF position as unmetered fuel flow past the needle valve may cause a potentially dangerous fire hazard.

2. Hold the drain hose up and against the leading edge of the flange of the float bowl (engine side) close to the two laser etched marks. Pull the hose as high as you can without kinking it at the hose fitting.
3. Using a 1/4" flat head screwdriver, slowly open the drain screw at the bottom of the float bowl until fuel begins to climb within the drain hose.
4. When set properly, the fuel level in the drain hose should stop rising at 8-10 millimeters above the plane created by the float bowl gasket or close to the top laser etched mark, give or take 1-2mm.

Notes: Repeat this test 2-3 times to get an average float level indication. Drain the bowl in between tests and as always, keep the choke open while filling the float bowl from empty.

If the fuel continues to rise or begins spilling out of the drain hose, IMMEDIATELY close the drain screw and shut the fuel petcock at the tank to the OFF position. Flooding is indicative of either stuck floats or a foreign object stuck in the needle valve, preventing it from closing. Thoroughly inspect the floats and clean the SmartCarb needle valve before attempting another fuel level test. Refer to page 51 of the User Installation and Tuning Manual for checking float level.

5. If step 4 is successful, tighten the drain screw at the bottom of the float bowl and drain the hose.

