Quick Start Guide - READ ME!

SC3 Models: 32/34mm

Thank you for being a SmartCarb® customer! Please refer to this Quick Start Guide, your shop manual, and the SmartCarb® User Manual (included with your purchase or available online at smartcarb.com/support) for installation and tuning guidance.

A moderate level of mechanical skill is required to properly install the SmartCarb®. If you require assistance we recommend that you ask a friend for help, see your local dealer, or contact us directly.

We assume that your vehicle is in proper working order and up to date on maintenance.

Installation

Proper installation is critical for safe operation of the vehicle and optimum performance from the fuel system. See below for recommendations:

- **Lift the sub-frame** (if applicable) for easy access by removing the lower bolts and loosening the top pivot bolt(s).
- **Check for vent scoop obstruction** inside of the airboot or filter setup. Some have a molded-in lip or rubber ridge inside of them that can partially block the top of the SmartCarb® vent scoop.
- **Trim away any obstruction** with an x-acto knife or dremel tool to ensure proper internal float bowl venting in the SmartCarb®.

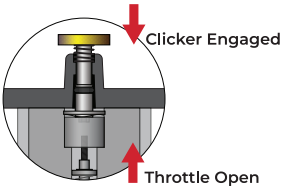
The SmartCarb® vent scoop is located in the top of the bell mouth.

- Make sure the throttle cable is in good working order with smooth travel and that you have properly adjusted the slack.
- Use fresh, 1/4 inch fuel line between the tank and the SmartCarb® and install an in-line fuel filter (included with your purchase).
- Rotate or tilt the SmartCarb® as needed, up to 15°, **to avoid contact with the engine case, shock spring, and chain.**
- Pull the choke and slowly open the fuel petcock whenever filling the SmartCarb® from empty.
- **Turn the fuel OFF** at the tank while not riding, especially during transportation of the vehicle.

Tuning

Keep the following in mind as you begin fine tuning your SmartCarb® carburetor:

- SmartCarb® carburetors ship to you pre-tuned specifically for your application and **require a short period of riding time to break in.** Stay at or near the factory settings (below) for the first 1-2 hours before making any fine tuning adjustments, if necessary.
- Assess SmartCarb® performance with the **engine/pipe at operating temperatures and while riding,** not cold, not on the stand, not in neutral, and not around the neighborhood.
- **Tune for the best idle quality and off-idle response first.** Start by using the clicker adjuster on top of the SmartCarb® to adjust fuel flow. With the engine off, hold the throttle wide open and depress the clicker adjuster to engage the clicker mechanism in the throttle slide. Turn it Right or clockwise to go Richer (RR) and Left or counterclockwise to go Leaner (LL). Then adjust the idle set screw on the side of the SmartCarb® if necessary.
- **Keep track of your adjustments.** Do not discard this guide.



Contact

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Online Resources

Manuals, Videos, Guides, & More

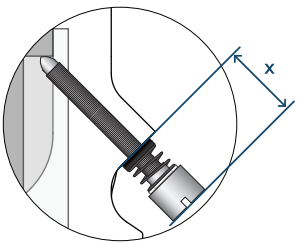
smartcarb.com/support/

Your Factory Settings

Application: _____

Metering Rod: _____

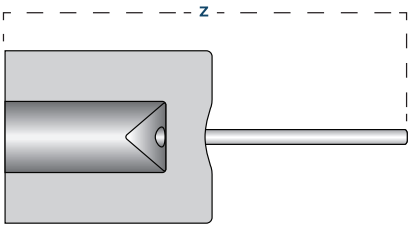
Idle Set Screw Setting (x): _____
(inches)



Serial # _____

Factory Clicker Count: _____
(counterclockwise from full rich)

Slide/Rod Length (z): _____
(inches)



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