IMPACT ECU · IDLE BUTTON GUIDE

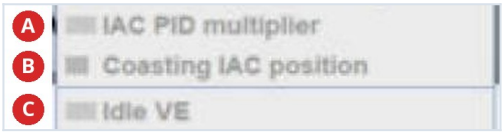
Optional Idle Tables

Three items in the Idle menu are extra tables a tuner can use for special cases. They're **off** in our tunes, so they're greyed out in the menu. IAC means idle air control: on your bike, that's the throttle body's idle opening.

Leave them off unless we set one up for you.

WHERE TO FIND IT

- (A) **Idle ▸ IAC PID multiplier** greyed out
- (B) **Idle ▸ Coasting IAC position** greyed out
- (C) **Idle ▸ Idle VE** greyed out



(A) IAC PID multiplier

An 8 × 8 table, by RPM and engine load, that scales the closed-loop idle correction: **1** = the full correction, **0** = none. It only opens when **Idle ▸ Idle settings ▸ Idle control mode** is **Open Loop + Closed Loop** and **Use IAC PID Multiplier Table** is **yes**.

In our tunes it's **no**, and the table is empty (all zeros). Turning it on with the table empty would switch the closed-loop idle correction off.

(B) Coasting IAC position

A curve, by RPM, of the idle position to use while coasting (twist grip closed, RPM well above the target). It only opens when **Idle ▸ Idle settings ▸ Separate coasting idle table** is **enabled**. Then, while coasting, it replaces the Base Idle Valve Position.

In our tunes it's **disabled**, and the curve is all zeros. Turning it on with the curve empty would close the throttle all the way while coasting.

C Idle VE

A separate 4 × 4 fuel table (VE) for idle, by RPM and engine load. There's no switch for it on any TunerStudio window, so it stays greyed out and off. Your idle fuel comes from the normal VE table in the Fuel button.

For the same reason, **Override Idle VE table load axis** in Idle ▸ Idle settings is greyed out too.

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