Dynojet CB650F Power Commander FC Fuel Controller Module Installation Guide

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Dynojet CB650F Power Commander FC Fuel Controller Module

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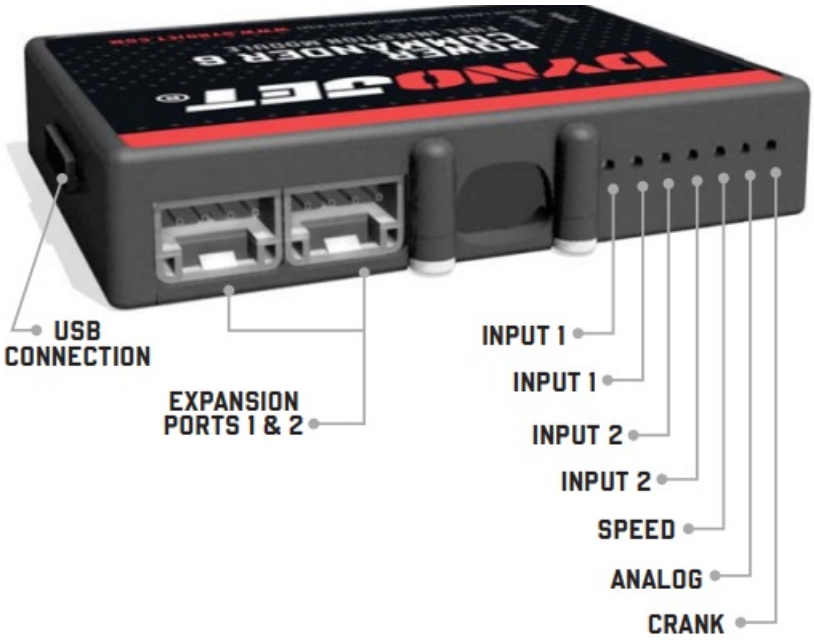
PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION. THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION.

INPUT ACCESSORY GUIDE

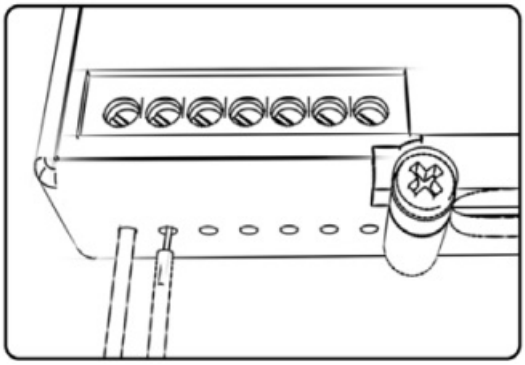


OPTIONAL ACCESSORY INPUTS

- **Map:** (Input 1 or 2) The PC6 has the ability to hold 2 different base maps. You can switch on the fl y between these two base maps when you hook up a switch to the MAP inputs. You can use any open/close type switch. The polarity of the wires is not important.
- **Shifter:** (Input 1 or 2) Used for clutch-less full throttle upshifts. Insert the wires from the Dynojet quick shifter into either Input 1 or Input 2. The polarity of the wires is not important. Set to Input 2 by default.
- **Speed** :If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent kill times when using a quickshifter. .
- **Analog** This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the Power Core software.
- **Launch** You can connect a wire to either Input 1 or Input 2 and then the other end to a switch. This switch when engaged (continuity) will only allow the RPM to be raised to a certain limit (set in the software). When released, you will have full RPM.

WIRE CONNECTIONS

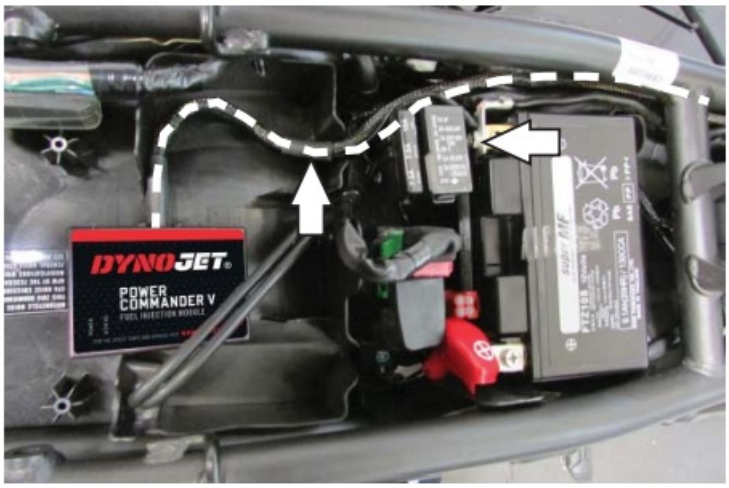
To input wires into the PC6 fi rst remove the rubber plug on the backside of the unit and loosen the screw for the corresponding input. Using a 22-24 gauge wire, strip about 10mm from its end. Push the wire into the hole of the PC6 until it stops and then tighten the screw. Make sure to reinstall the rubber plug.
NOTE: If you tin the wires with solder it will make inserting them easier.



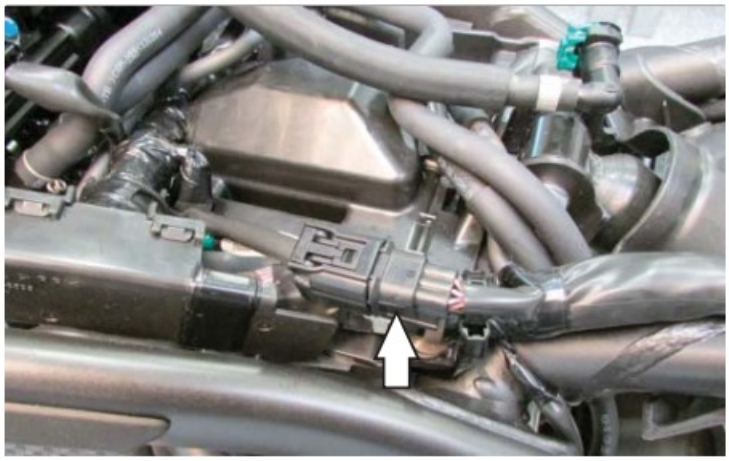
INSTALLING THE POWER COMMANDER 6

1. Remove the seat.
2. Remove both side panels below the seat. Remove the mid and lower fairing panels on both sides. Remove the inner fairing panels just forward of the fuel tank on both sides.
3. Loosen the front of the fuel tank. Lift and prop the fuel tank.

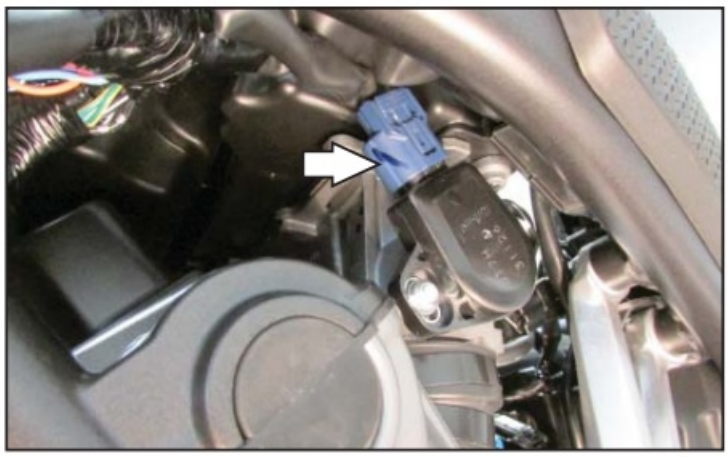
4. Using the supplied Velcro, secure the PC6 module in the tail section just rear of the bike's battery. Clean both surfaces with the supplied alcohol swab prior to applying the Velcro adhesive.
5. Route the PC6 wiring harness forward along the left side frame rail and under any frame cross-members.
6. Secure the PC6 ground wire with the small ring lug to the negative (-) terminal of the bike's battery.



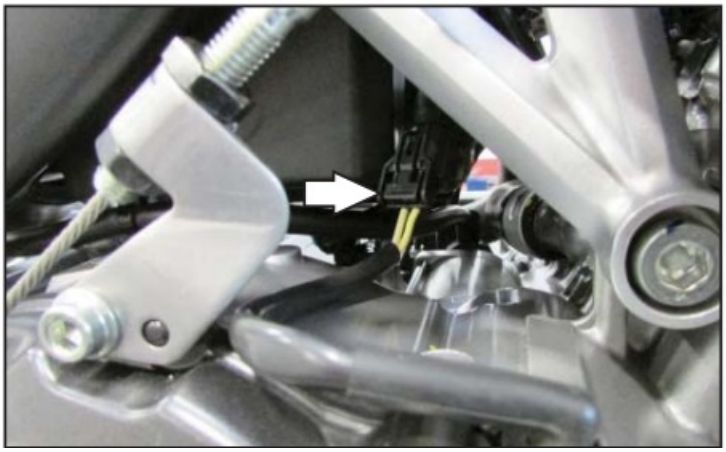
7. Locate and unplug the Fuel Injector sub-harness connector just below the fuel tank on the left side of the bike. This is a BLACK 6-pin connector



8. Plug the PC6 wiring harness in-line of the stock Fuel Injector sub-harness connectors.
9. Route the pair of 3-pin PC6 wiring harness connectors along the left side of the air box, between the air box and the frame, and to the bike's Throttle Position Sensor on the left hand side of the throttle bodies.
10. Route the pair of 2-pin PC6 wiring harness connectors towards the clutch cover on the right hand side of the engine.
11. At the left hand side of the throttle bodies, unplug the stock wiring harness from the bike's Throttle Position Sensor.



12. Plug the PC6 wiring harness in-line of the bike's TPS and the stock wiring harness.
13. From the right hand side of the bike, locate and unplug the stock Crank Position Sensor connectors.
    This is a BLACK 2-pin connector pair. This connector pair is attached to the outside of the small plastic compartment just rear of the engine. The connectors are dislodged from their original location in this picture. You can fi nd them by tracing the stock wiring harness coming out of the top of the right side engine cover (clutch cover).



14. Plug the PC6 wiring harness in-line of the stock Crank Position Sensor connectors.
15. Lower and secure the fuel tank. Reinstall the bodywork and seats.

    Download the latest map fi les from our web site at **dynojet.com/tunes**.

Optional Input:

Speed – PINK/GREEN wire of the vehicle speed sensor located on top of the gearbox just above the output shaft (front sprocket).

Documents / Resources

	Dynojet CB650F Power Commander FC Fuel Controller Module [pdf] Installation Guide CB650F, CBR650R, Power Commander FC Fuel Controller Module, Fuel Controller Module, Power Commander FC, Controller Module, Module, CB650F

References

- Powersports Vehicle Parts | Performance Ignition & Fuel Parts | Dynojet
- Tunes | Dynojet