POWER COMMANDER 6

Install guide for: PC6-27003

Model coverage: 2019 Royal Enfield GT650

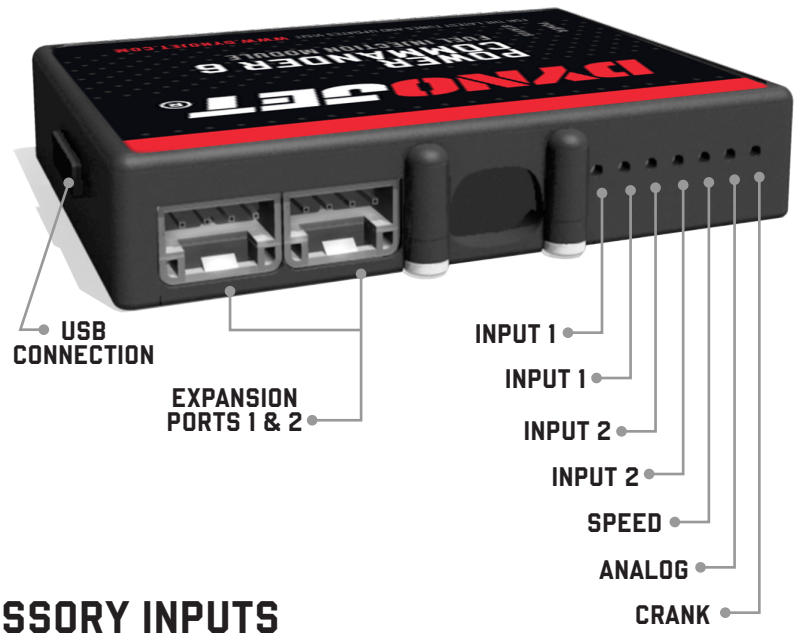
PARTS LIST

1	POWER COMMANDER 6	2	VELCRO STRIPS
1	USB CABLE	1	ALCOHOL SWAB
2	DYNOJET DECALS	1	E.O FRAME LABEL
2	POWER COMMANDER DECALS		

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

IPC6-27003.02

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 fly 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.

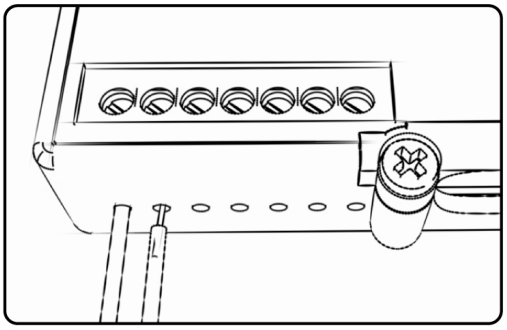
Analog This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the Power Core software.

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 first 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.

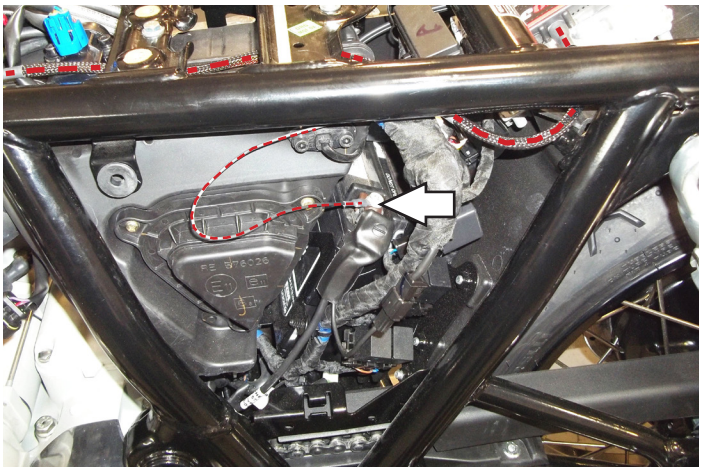
NOTE: If you tin the wires with solder it will make inserting them easier.



INSTALLING THE POWER COMMANDER 6



1 Remove the seat, the fuel tank, and the left side cover.

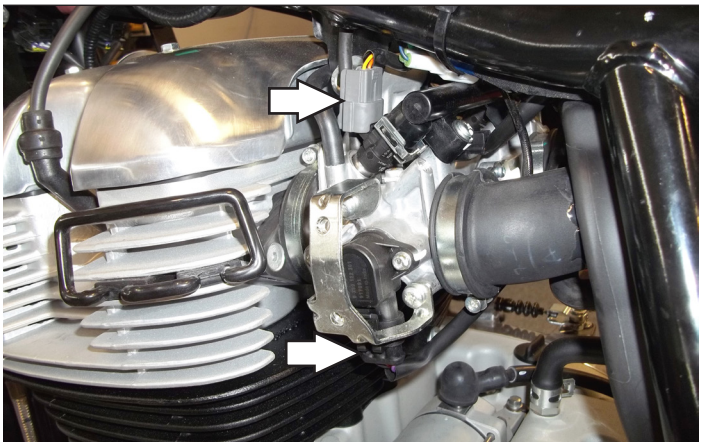


2 Secure the PC6 module to the top of the ECM.

Use the supplied Velcro to secure the module. Clean surfaces with the alcohol swab before attaching the Velcro.

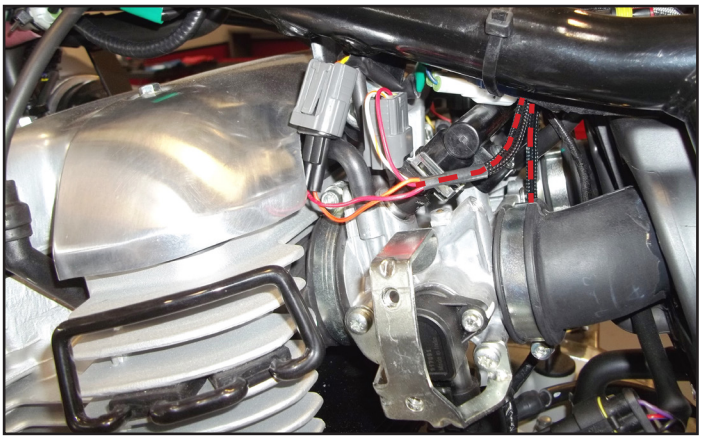
3 Route the PC6 wiring harness forward towards the engine. Keep the routing inside of the frame rails.

4 Secure the PC6 ground wire with the small ring terminal to the negative (-) post of the bike's battery.

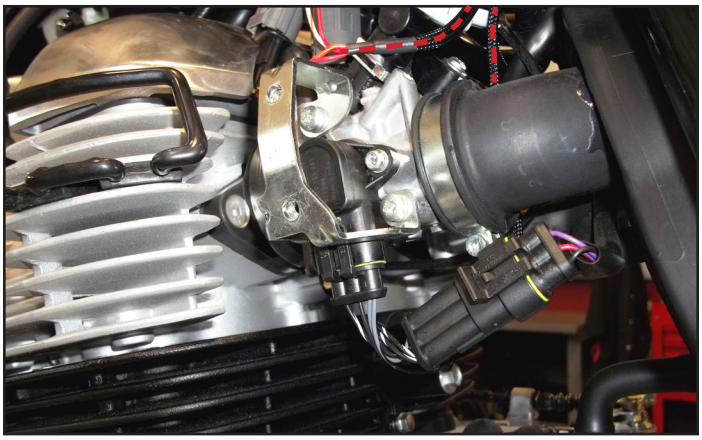


5 Unplug the left cylinder Fuel Injector at the top of the left throttle body. Also unplug the Throttle Position Sensor from the left side of the left throttle body.

6 Plug the pair of PC6 connectors with ORANGE colored wires in-line of the left cylinder Fuel Injector and the stock wiring harness.



7 Plug the pair of 3-pin PC6 connectors in-line of the TPS and the stock wiring harness.



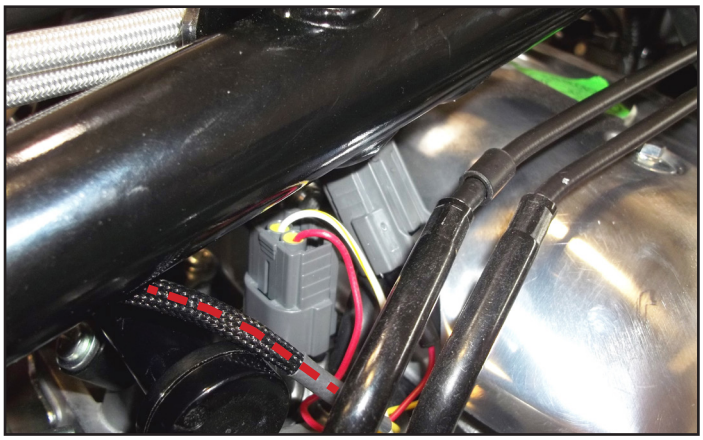
8 Unplug the right cylinder fuel injector at the top of the right side throttle body.



9 Plug the pair of PC6 connectors with YELLOW colored wires in-line of the right side Fuel Injector and the stock wiring harness.

10 Re-install the fuel tank, seat, and side cover.

11 Affix the supplied CARB E.O. label to a conspicuous area. Next to the original emissions label is the preferred location. Make sure to clean the surface before attaching.



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