

# POWER COMMANDER 6

Install Guide for: PC6-27001

Model coverage:

2011-2019 Royal Enfield Bullet 500

## PARTS LIST



- |   |                    |   |                        |
|---|--------------------|---|------------------------|
| 1 | POWER COMMANDER 6  | 2 | POWER COMMANDER DECALS |
| 1 | INSTALLATION GUIDE | 2 | VELCRO STRIPS          |
| 1 | USB CABLE          | 1 | ALCOHOL SWAB           |
| 2 | DYNOJET DECALS     | 1 | EO LABEL               |

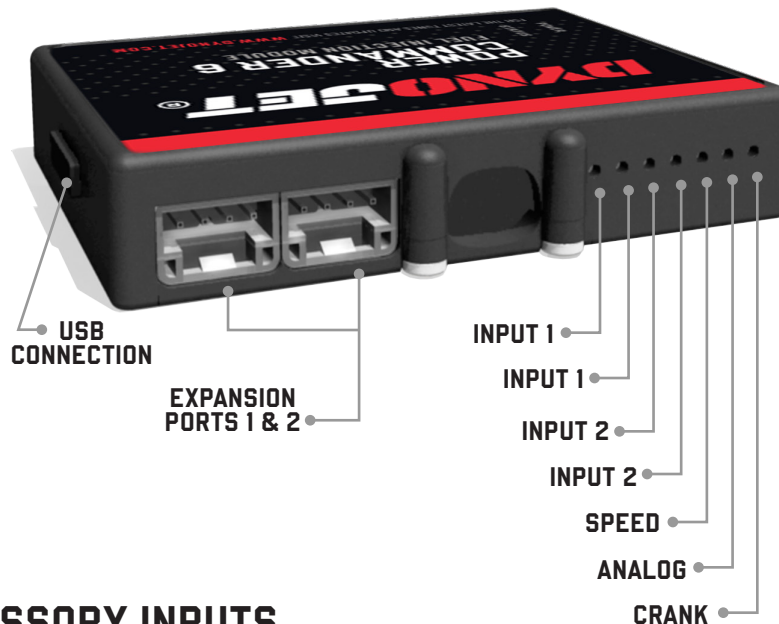
**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION.  
THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION.**



IPC6-27001.01



# INPUT ACCESSORY GUIDE



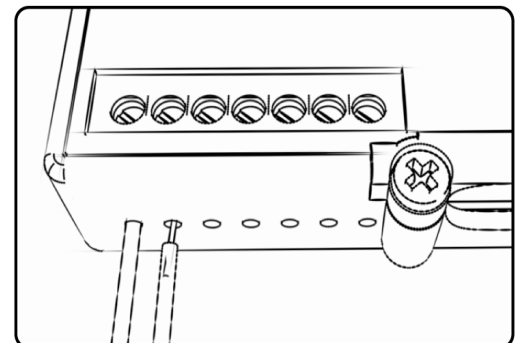
## OPTIONAL ACCESSORY INPUTS

- 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.

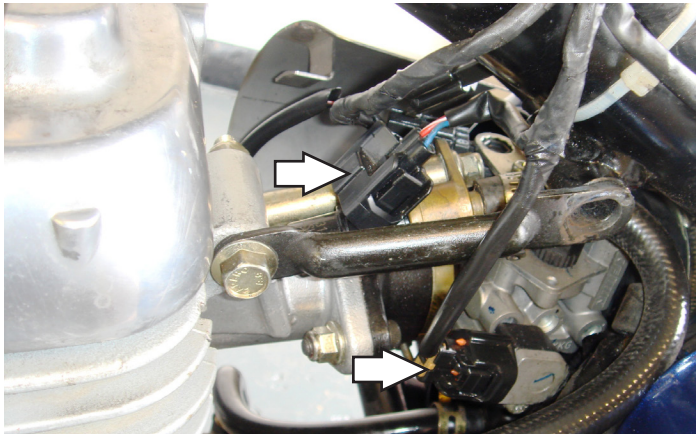
## WIRE CONNECTIONS

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 and the left hand side cover.
- 2 Remove the fuel tank.

This unit can be installed without completely removing the fuel tank, but it does make access much easier.

- 3 Choose the best location to mount the PC6 module.

This location will vary dependent of the model. Good locations include the side of the battery or beneath the seat.

- 4 Secure the PC6 with supplied Velcro strips.

Use the supplied alcohol swab to clean both surfaces prior to applying the Velcro.

- 5 Route the PC6 wiring harness along the upper frame rail.

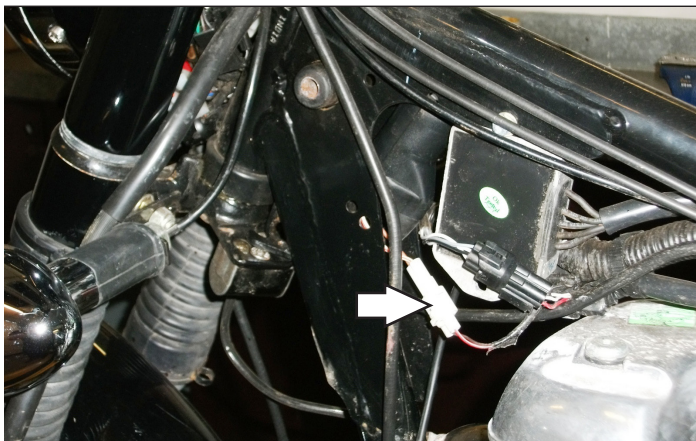
- 6 Locate and unplug the stock wiring harness from the bike's Fuel Injector and Throttle Position Sensor.

- 7 Plug the PC6 wiring harness in-line of the Fuel Injector and the stock wiring harness.

- 8 Plug the PC6 wiring harness in-line of the Throttle Position Sensor and the stock wiring harness.

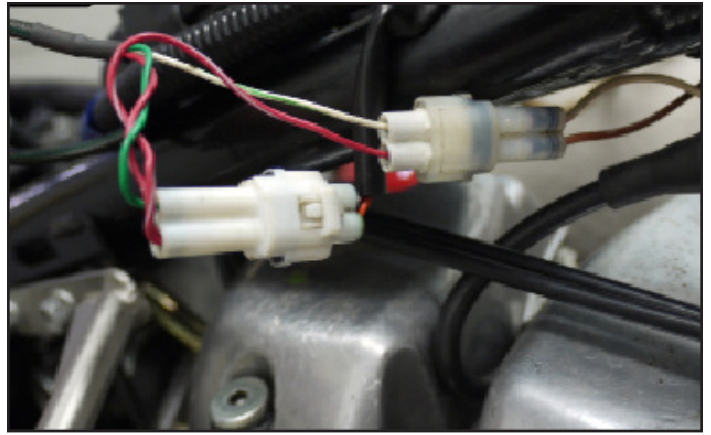


- 9 Locate and unplug the stock wiring harness from the bike's Ignition Coil, located in front of the engine head.



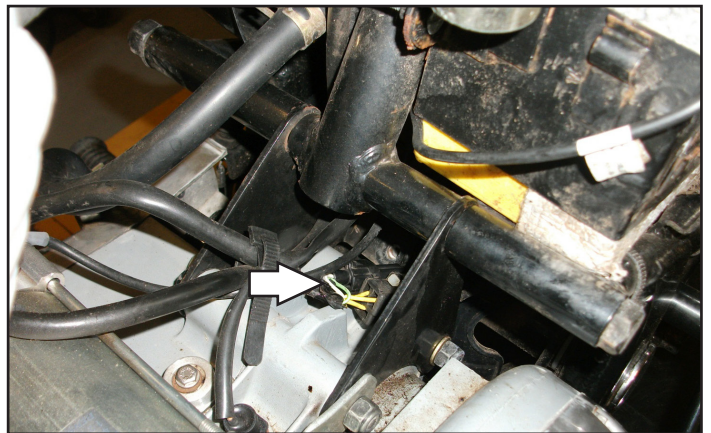


- 10 Plug the pair of PC6 wiring harness leads with the GREEN colored wires in-line of the bike's Ignition Coil and stock wiring harness.

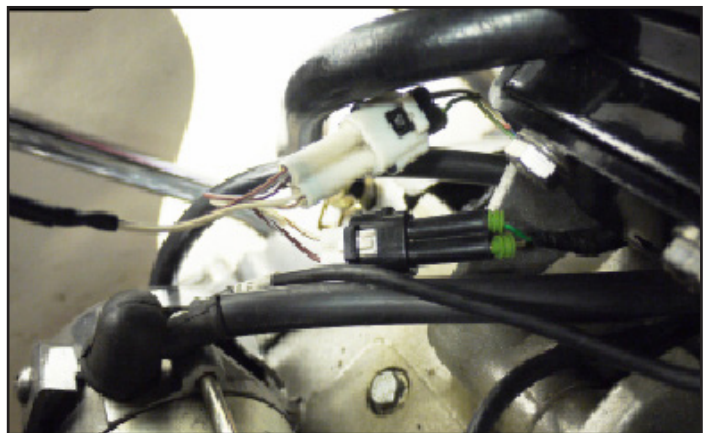


- 11 Locate and unplug the bike's Crank Position Sensor connectors.

This is a 2-pin connector pair located rear of the gearbox inside the frame rail.

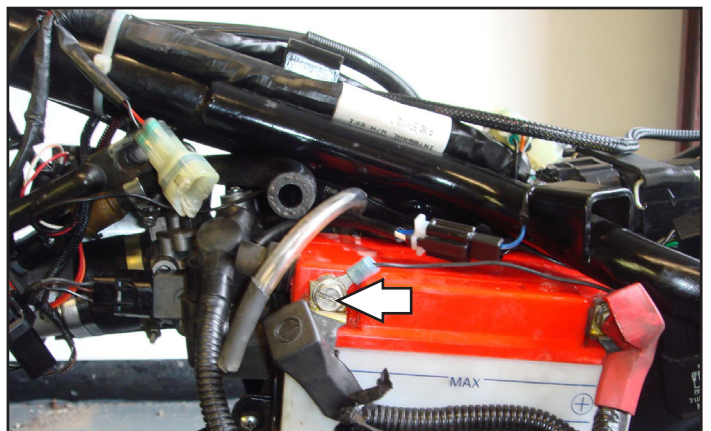


- 12 Plug the pair of PC6 wiring harness leads with BROWN colored wires in-line of the stock Crank Position Sensor connectors.



- 13 Secure the ground wire of the PC6 wiring harness with the 6mm ring lug to the negative (-) terminal of the bike's battery.
- 14 Make sure all wires are free and clear of any hot or moving parts and are free from any binding, pinching, cuts, etc.
- 15 Reinstall the seat, left hand side cover, and the fuel tank.
- 16 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.

Download the latest map files from our web site at [dynojet.com/tunes](http://dynojet.com/tunes).





# **PUSH THE LIMIT**

**2191 MENDENHALL DRIVE, NORTH LAS VEGAS, NV 89081 - 800-992-4993 - [DYNOJET.COM](https://www.dynojet.com)**  
**© 2008-2022 DYNOJET RESEARCH ALL RIGHTS RESERVED**