

POWER COMMANDER V

2018-2019 Honda CB1000R Installation Guide

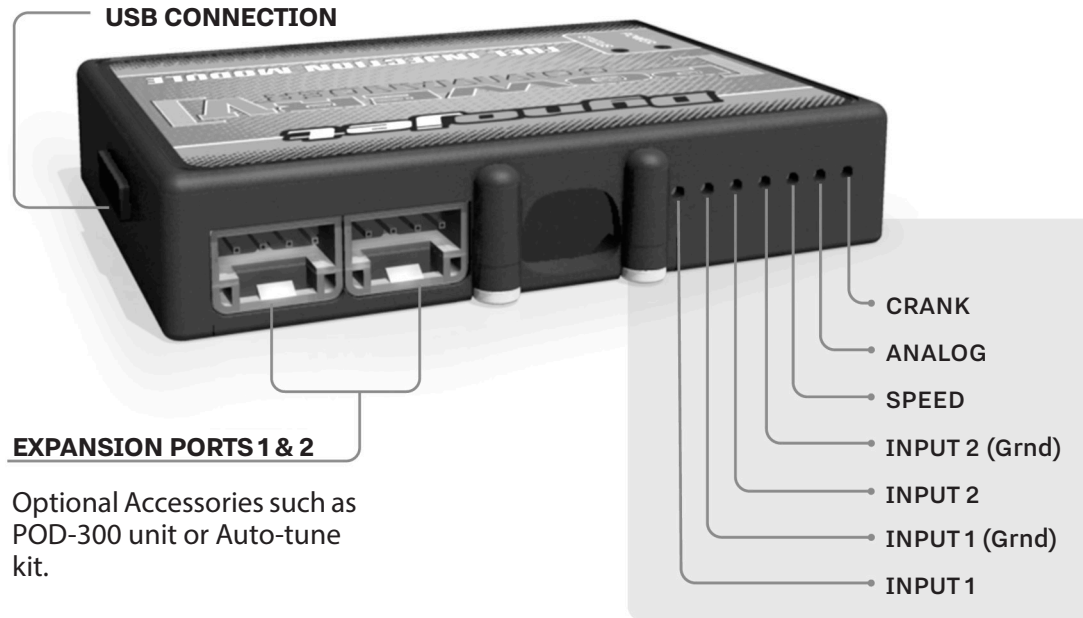
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PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION



POWER COMMANDER V INPUT ACCESSORY GUIDE



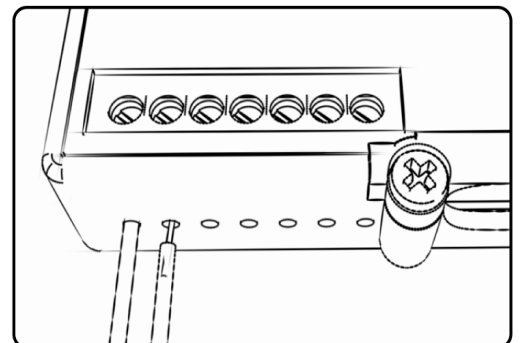
ACCESSORY INPUTS:

- Map -** (Input 1 or 2) The PCV 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. When using the Autotune kit one position will hold a base map and the other position will let you activate the learning mode. When the switch is "CLOSED" Autotune will be activated.
- Shifter-** (Input 1 or 2) These inputs are for use with the Dynojet quickshifter. Insert the wires from the Dynojet quickshifter into the SHIFTER inputs. The polarity of the wires is not important.
- 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 control center software.
- Crank-** Do **NOT** connect anything to this port unless instructed to do so by Dynojet. It is used to transfer crank trigger data from one module to another.

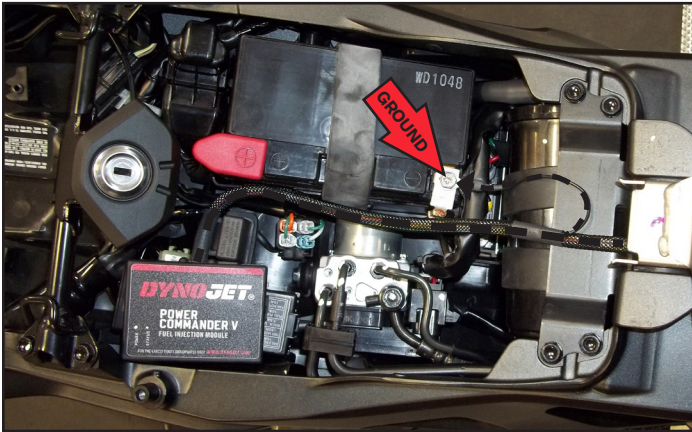
WIRE CONNECTIONS:

To input wires into the PCV 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 PCV 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.



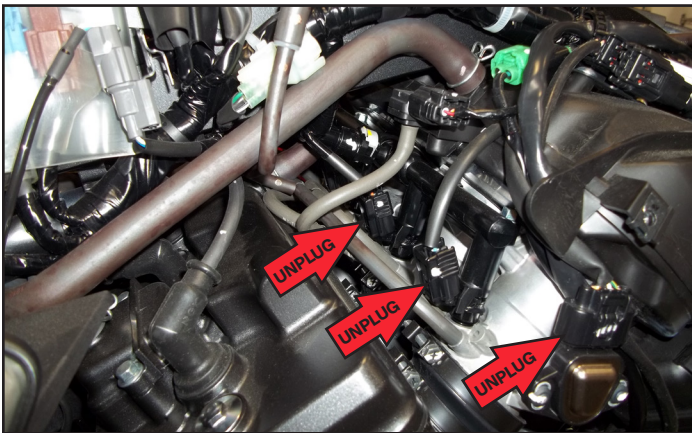
INSTALLING THE POWER COMMANDER V



PCV MODULE INSTALLED / GROUND

- 1 Remove the main seat and the passenger seat.
- 2 Remove the side panels over each side of the air box.
- 3 Remove the fuel tank.
- 4 Install the PCV in the tail section.

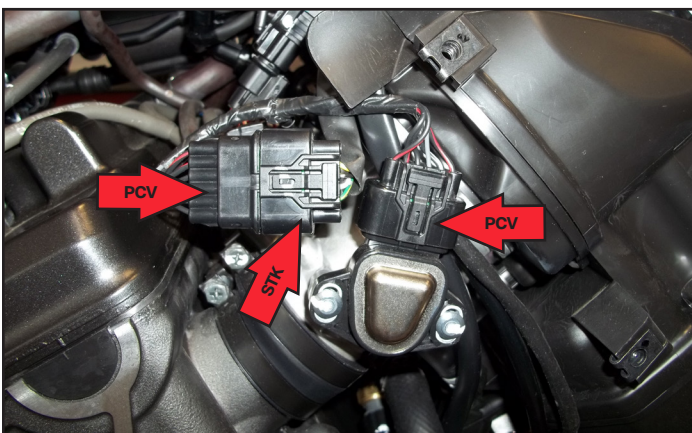
Use the supplied velcro to secure the unit in place. Make sure to clean both surfaces before attaching with the alcohol swab.



UNPLUG INJECTORS AND TPS

- 5 Route the wiring harness down the left side of the frame.
- 6 Unplug the stock wiring harness from the Throttle Position Sensor.
This connector is on the left side of the throttle body.
- 7 Unplug the wiring harness from each injector.

This image only shows the #1 & #2 injector. Make sure to unplug #3 & #4 on the other side of the frame.



CONNECT TPS

- 8 Plug the PCV harness in-line of the stock wiring harness and TPS.

INSTALLING THE POWER COMMANDER V

- 9 Plug the PCV harness in-line of the stock wiring harness and fuel injectors

ORANGE - cylinder #1 LEFT

YELLOW - cylinder #2

GREEN - cylinder #3

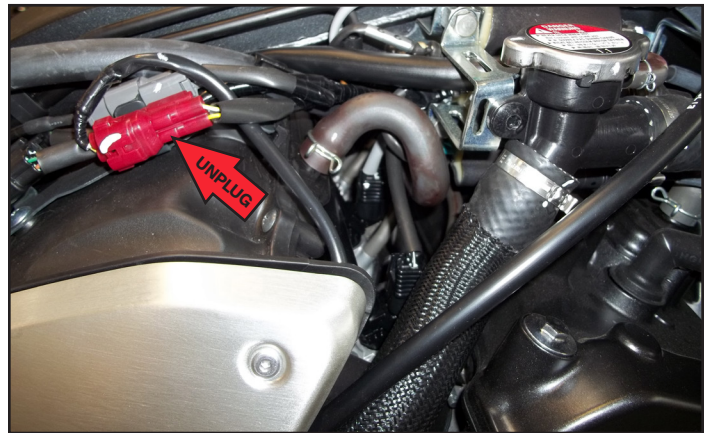
BLUE - cylinder #4 RIGHT



PCV CONNECTED TO INJECTORS

- 10 Unplug the crank position sensor.

This is a RED, 2 pin connector located on the right side of the frame



FUEL INJECTORS

- 11 Plug the PCV in-line of the stock wiring harness and CPS.

- 12 Reinstall the fuel tank and bodywork.



PCV CONNECTED TO FUEL INJECTORS



PUSH THE LIMIT

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