

# [POWER COMMANDER V]

**2004-2007 Honda CBR1000RR**

**Installation Instructions**



## **PARTS LIST**

- 1 Power Commander
- 1 USB Cable
- 1 CD-ROM
- 1 Installation Guide
- 2 Power Commander Decals
- 2 Dynojet Decals
- 2 Velcro
- 1 Alcohol swab

**THE IGNITION MUST BE TURNED  
OFF BEFORE INSTALLATION!**

YOU CAN ALSO DOWNLOAD THE  
POWER COMMANDER SOFTWARE AND  
LATEST MAPS FROM OUR WEB SITE AT:  
[www.powercommander.com](http://www.powercommander.com)

**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION**

**Dynojet**

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# POWER COMMANDER V INPUT ACCESSORY GUIDE



Optional Accessories such as  
Color LCD unit or Auto tune kit.

## 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.



## ACCESSORY INPUTS

### Map -

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-

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-

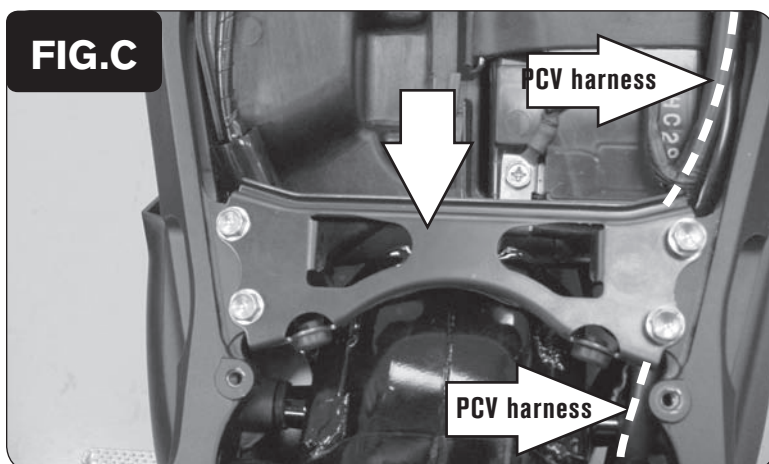
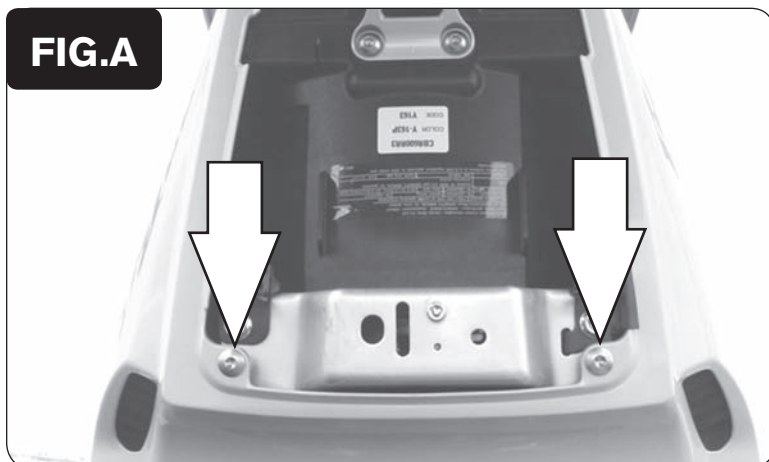
If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent 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.

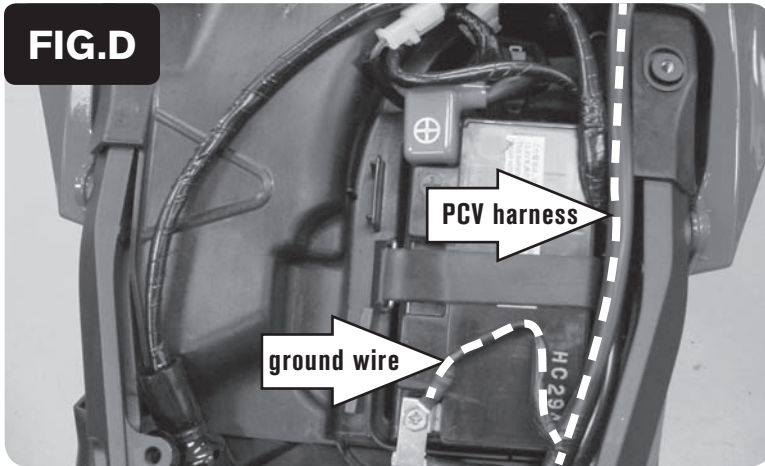
### Crank-

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.



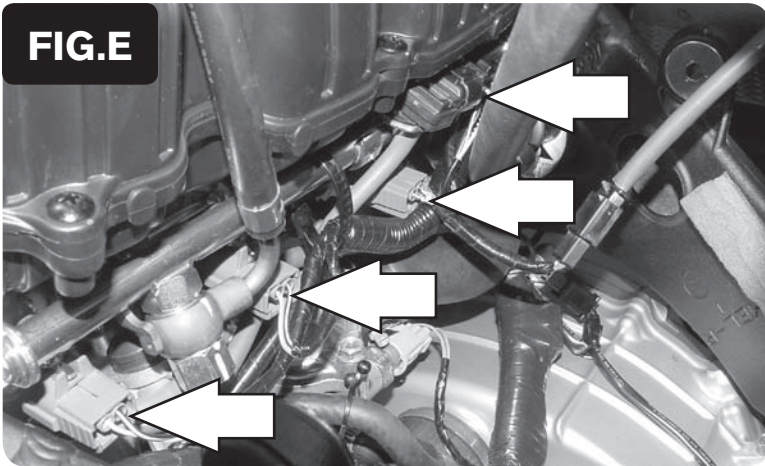
- 1 Remove the main seat and the passenger seat.
- 2 Remove the fuel tank cover.
- 3 Remove the two bolts for the rear tail section as shown in Figure A.
- 4 Remove the left hand side mid fairing.
- 5 Temporarily lay the PCV in the tail section.
- 6 Route the harness towards the front of the bike. Keep the harness between the outside of the subframe and inside the tail section as shown in Figure B.  
  
Gently pullout on the lower left hand side of the tail section to allow room for the harness.
- 7 Route the harness between the battery and the subframe and go towards the throttle bodies.
- 8 Remove the fuel tank stop bracket.
- 9 Route the PCV harness underneath the fuel tank stop bracket.

**FIG.D**



- 10 Attach the ground wire from the PCV to the negative side of the battery as shown in Figure D.
- 11 Reinstall the fuel tank stop bracket.
- 12 Rotate the fuel tank upwards and hold in this position.

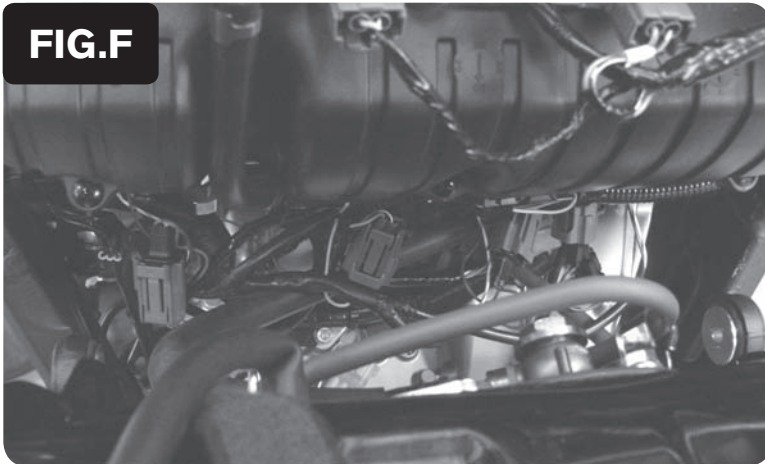
**FIG.E**



- 13 Unplug the stock wiring harness connectors from the throttle bodies as shown in Figure E.

**Note:** This bike has a set of upper and lower injectors. Verify you connect the PCV harness to the lower set of injectors at the throttle bodies.

**FIG.F**

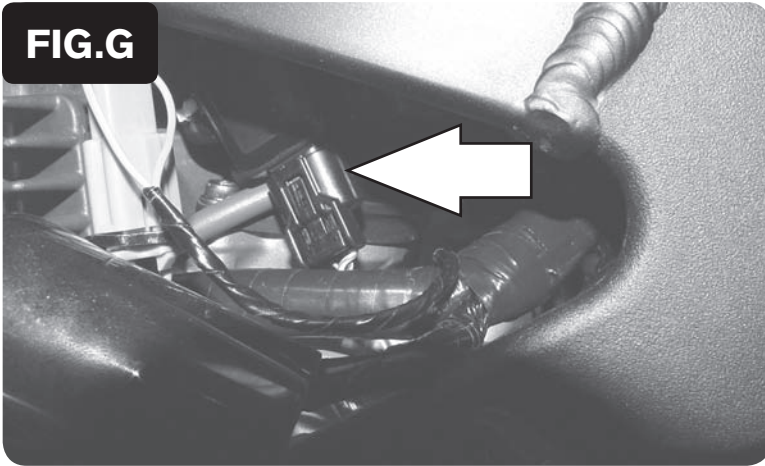


- 14 Attach the connectors from the PCV wiring harness to the stock wiring harness and throttle bodies as shown in Figure F.

Connect the orange PCV wires to the far left cylinder (cylinder #1) and continue to the right.



**FIG.G**



- 15 Locate the Throttle Position Sensor (TPS) connector.

This connector is located on the left hand side of the throttle bodies as shown in Figure G.

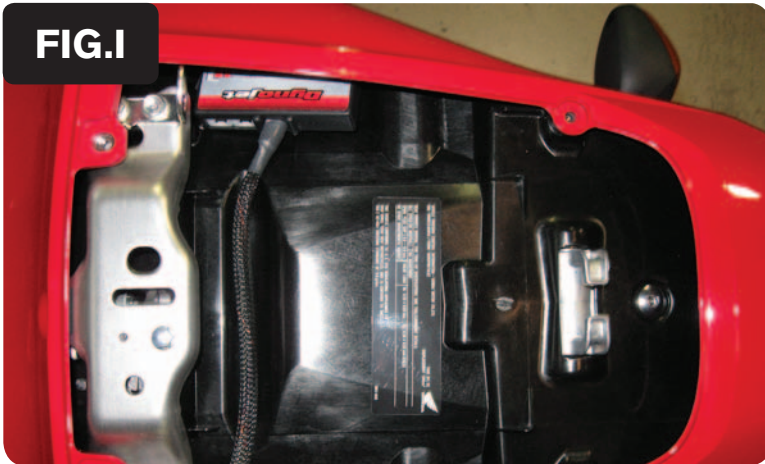
- 16 Unplug the TPS connector from the throttle bodies.

**FIG.H**



- 17 Attach the connectors from the PCV to the throttle bodies and the stock wiring harness as shown in Figure H.

**FIG.I**



- 18 Install the PCV in the tail section as shown in Figure I. Lower the fuel tank.
- 19 Reinstall the left hand side mid fairing.
- 20 Reinstall the bolts removed in the tail section. Refer to Figure A.
- 21 Reinstall the fuel tank cover.
- 22 Reinstall the main seat and the passenger seat.