

[POWER COMMANDER V]

2012-2014 Honda CBR1000RR

Installation Instructions



PARTS LIST

- 1 Power Commander
- 1 USB Cable
- 1 Installation Guide
- 2 Power Commander Decals
- 2 Dynojet Decals
- 2 Velcro strips
- 1 Alcohol swab
- 1 O2 Optimizer

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

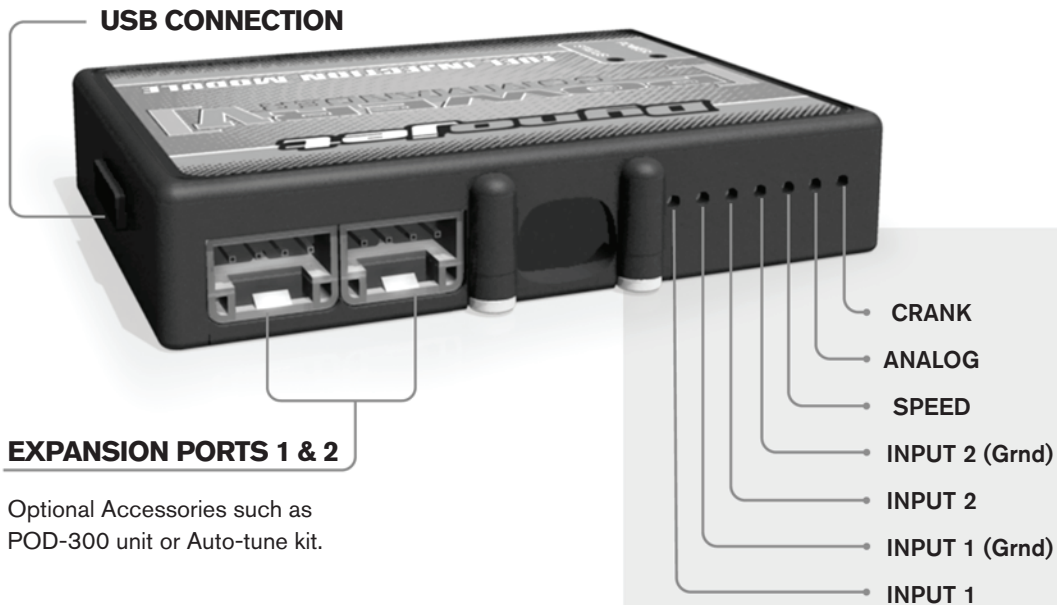
THE LATEST POWER COMMANDER
SOFTWARE AND MAP FILES CAN BE
DOWNLOADED FROM OUR WEB SITE AT:
www.powercommander.com

PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION

Dynojet

2191 Mendenhall Drive North Las Vegas, NV 89081 (800) 992-4993 www.powercommander.com

POWER COMMANDER V INPUT ACCESSORY GUIDE



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 -

(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. (Set to Switch Input #1 by default.)

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. (Set to Switch 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-

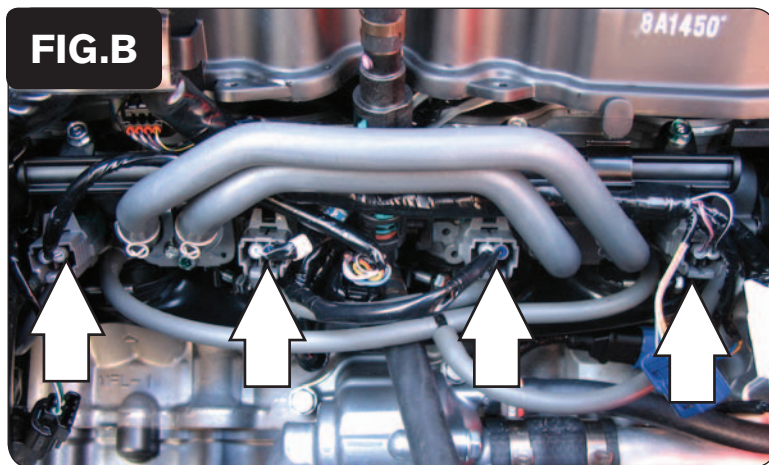
This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the control center software.

Crank-

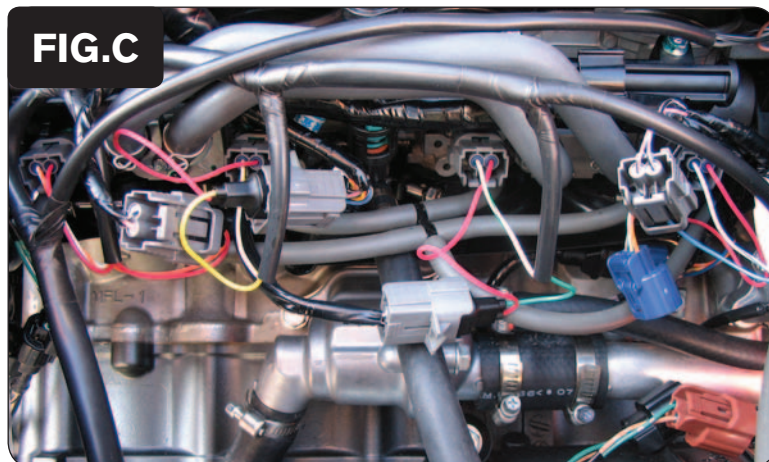
Do **NOT** connect anything to this port unless instructed to do so by Dynojet. It is used to transfer crank trigger data from one module to another.



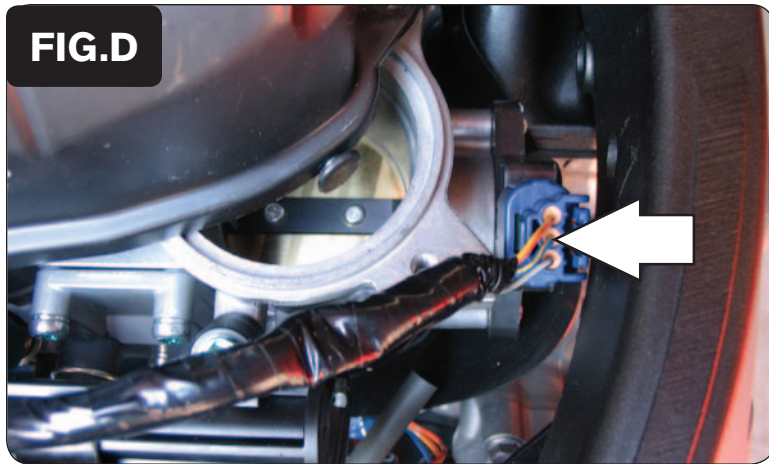
- 1 Remove the main seat and the passenger seat.
- 2 Remove the fuel tank cover.
- 3 Lift the fuel tank up or remove.
- 4 Mount the PCV in the tail section using the supplied Velcro.
Make sure to clean both surfaces with the alcohol swab before attaching.
- 5 Route the PCV harness down the left side of the bike.



- 6 Unplug the stock wiring harness from each injector (Fig. B).
The lower injectors are located on the throttle bodies.

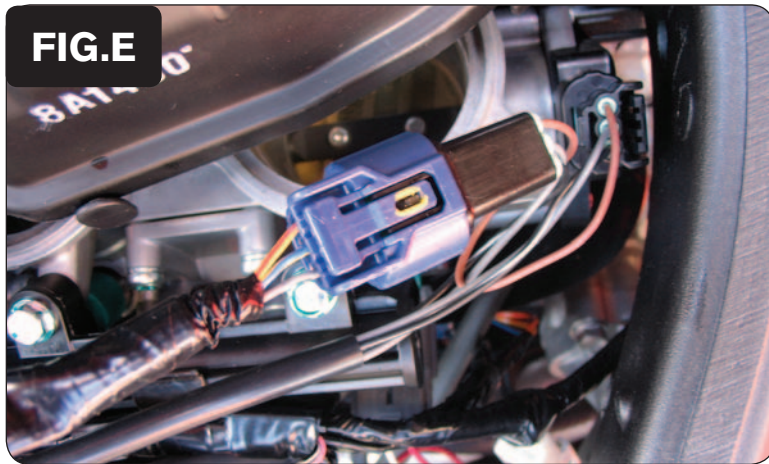


- 7 Connect the PCV in-line of the stock wiring harness and injectors (Fig. C).
Plug the PCV connectors with ORANGE colored wires in-line of the #1 (left most) fuel injector and stock wiring harness.
Plug the PCV connectors with YELLOW colored wires in-line of the #2 fuel injector and stock wiring harness.
Plug the PCV connectors with GREEN colored wires in-line of the #3 fuel injector and stock wiring harness.
Plug the PCV connectors with BLUE colored wires in-line of the #4 (right most) fuel injector and stock wiring harness.

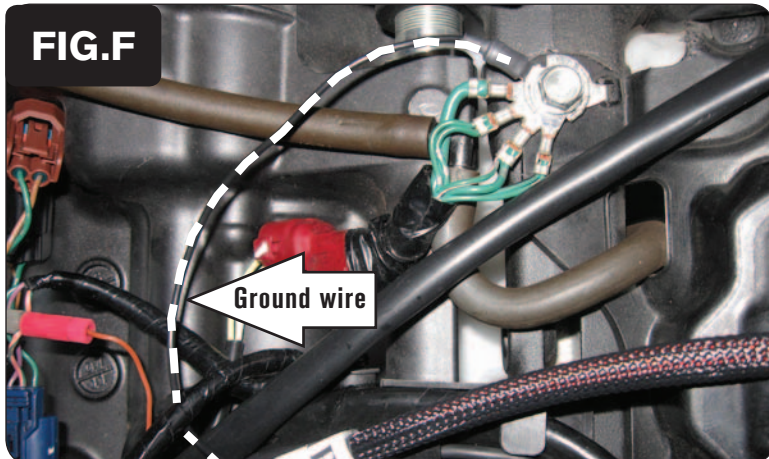


- 8 Locate the Throttle Position Sensor on the right side of the throttle bodies (Fig. D). Unplug the stock wiring harness from the TPS.

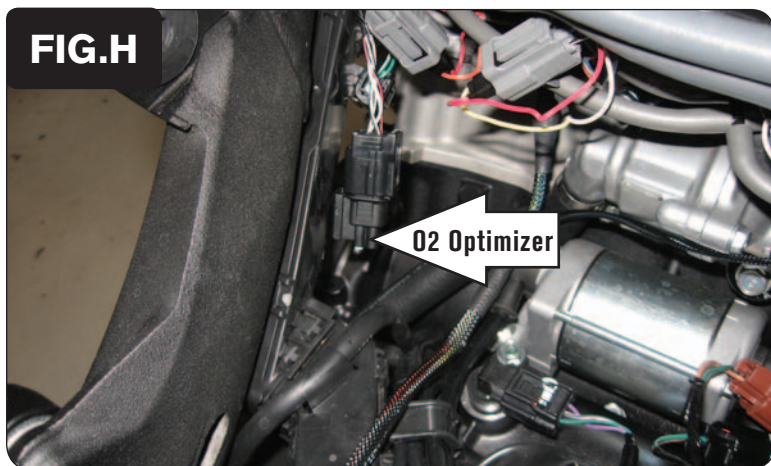
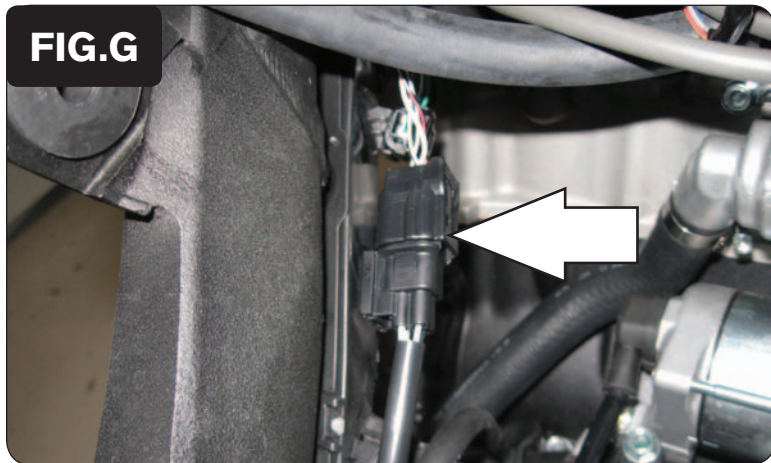
This is a 3-pin BLUE connector located on the throttle bodies. Figure D is shown with the airbox unbolted but this is not necessary. Using a small, flat blade screwdriver push on the release tab and pull upwards on the harness to release.



- 9 Plug the PCV harness in-line of the stock TPS and wiring harness (Fig. E).



- 10 Attach the ground wire from the PCV to the stock common ground location underneath the fuel tank (Fig. F).



11 Locate the O2 sensor connection on the left, inside of the frame and unplug this connection (Fig. G).

12 Plug the Dynojet O2 Optimizer into the wiring harness (Fig. H).

The stock O2 sensor will no longer be connected to anything and can be removed from the exhaust if desired.

13 Reinstall fuel tank and bodywork.

Make sure the tank does not pinch the PCV wiring harness.

NOTE: This unit comes with map M16-034-001 installed in it for a 2012-2013 model. If you have a 2014 model make sure to download the corresponding map.

Optional inputs:

Speed - PINK/GREEN wire of sensor - sensor is located on top of engine cases near starter. Can also go to the GREY ECU connector.

Engine Temperature - BLUE/YELLOW wire of the GREY ECU connector.

12v source for Auto-tune - BROWN/WHITE wire of tail light connector