

[POWER COMMANDER V]

2007-2008 Suzuki GSXR1000

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!

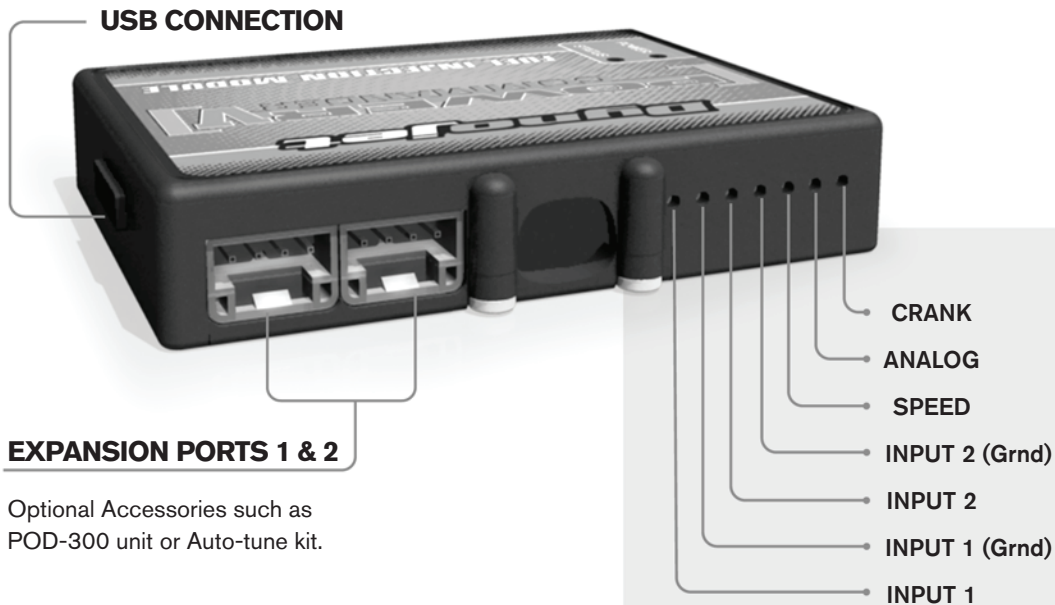
THE LATEST POWER COMMANDER SOFTWARE AND MAP FILES CAN BE DOWNLOADED FROM OUR WEB SITE AT:
www.powercommander.com

PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION

Dynojet

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

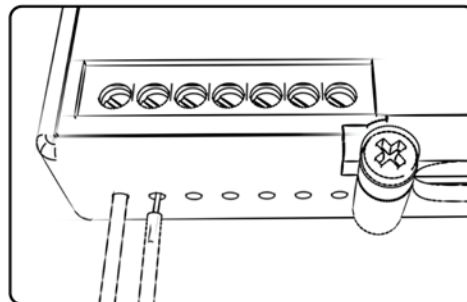
POWER COMMANDER V INPUT ACCESSORY GUIDE



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-

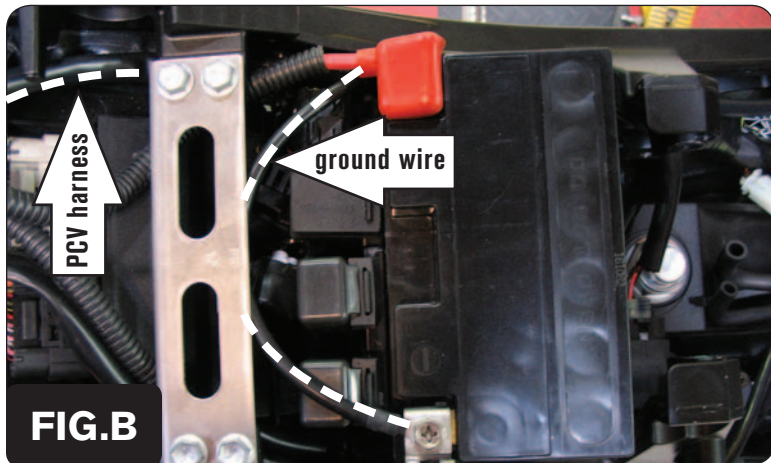
This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the control center software.

Crank-

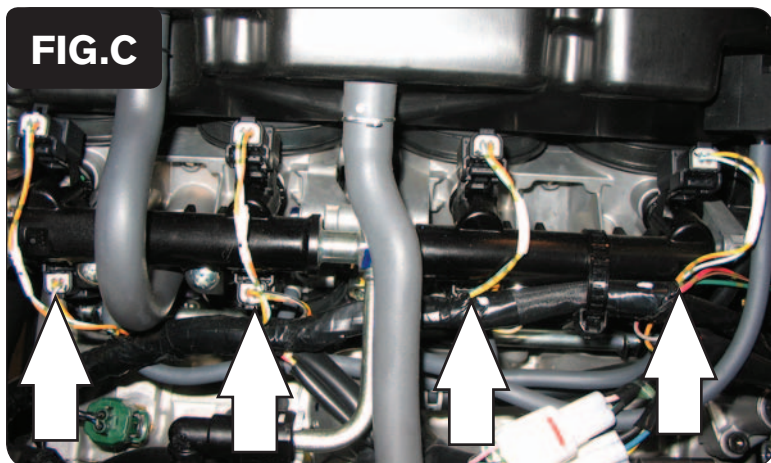
Do **NOT** connect anything to this port unless instructed to do so by Dynojet. It is used to transfer crank trigger data from one module to another.



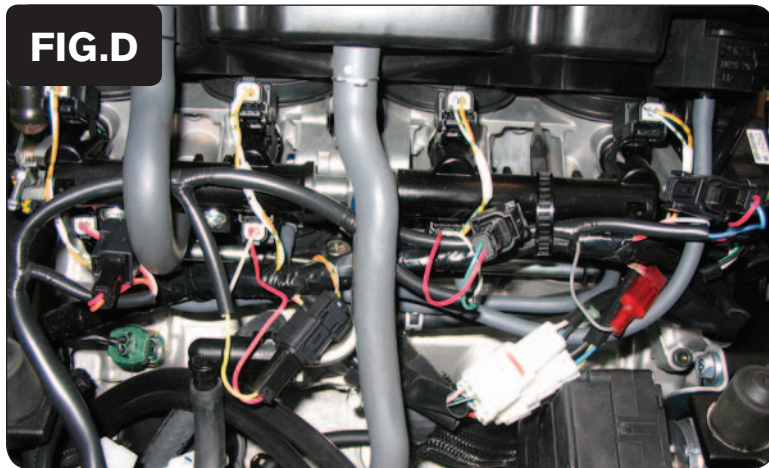
- 1 Remove the seats.
- 2 Prop the fuel tank up.
- 3 Lay the PCV in the tail section and route the PCV harness towards the front of the bike as shown in Figure A.



- 4 Route the PCV harness along the left hand side of the bike.
- 5 Attach the ground wire from the PCV to the negative side of the battery as shown in Figure B.



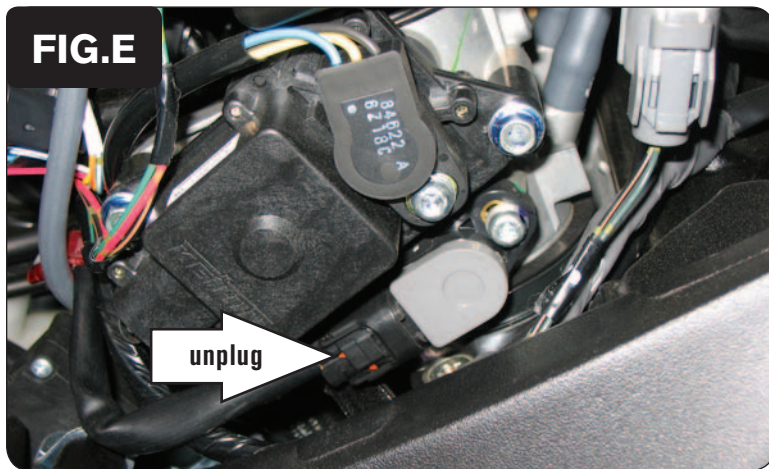
- 6 Unplug the stock wiring harness from the **LOWER** injectors (Fig. C).



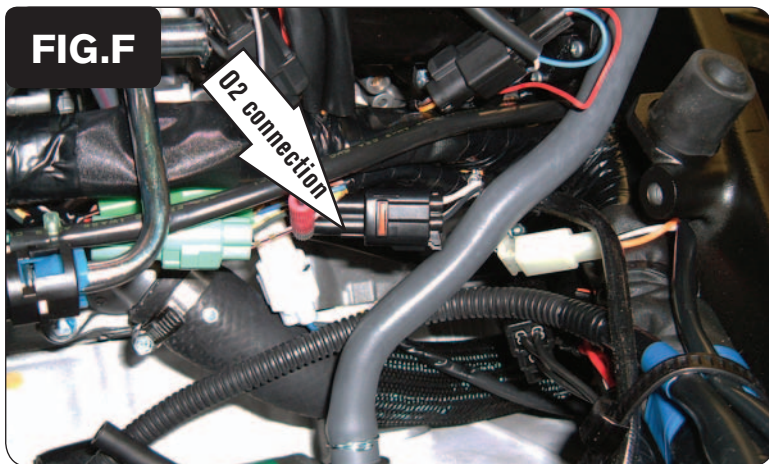
- 7 Attach the connectors from the PCV wiring harness in-line of the stock wiring harness and injectors as shown in Figure D.

Note: Do not connect the PCV harness to the upper injectors. Verify you are on the set of injectors that is below the fuel rail.

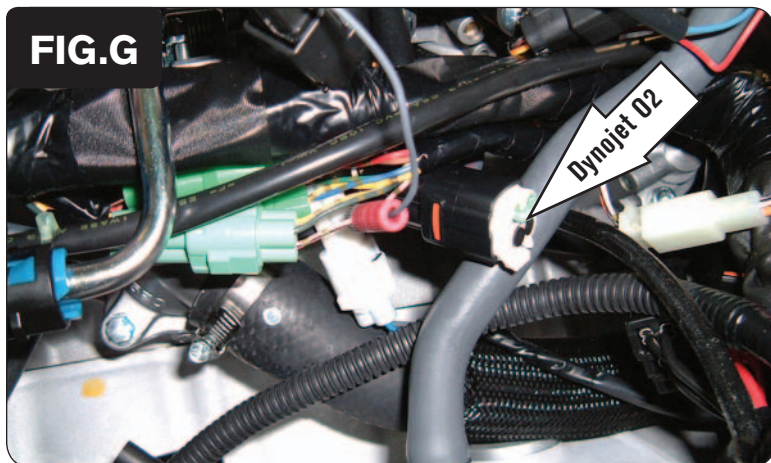
- orange wire connects to cylinder #1
- yellow wire connects to cylinder #2
- green wire connects to cylinder #3
- blue wire connects to cylinder #4



- 8 Unplug the stock wiring harness from the Throttle Position Sensor (TPS) as shown in Figure E.
- 9 Plug the connectors from the PCV in-line of the stock TPS and stock wiring harness.



- 10 Locate the stock O2 sensor. Follow the wires out of the exhaust to the stock wiring harness. Unplug the sensor from the stock wiring harness (Fig. F).



- 11 Plug the Dynojet O2 Optimizer into the stock wiring harness. The stock sensor is no longer needed.
- 14 Secure the PCV in the tail section using the supplied velcro. Make sure to use the alcohol swab to clean both surfaces before attaching.

Speed input - Pink wire on black 3-pin connector BLK-RED/BLK-WHT/PINK

Temperature input - BLK/BLUE of cylinder head temp sensor

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