

# [POWER COMMANDER V]

## 2017 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 Posi-tap

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

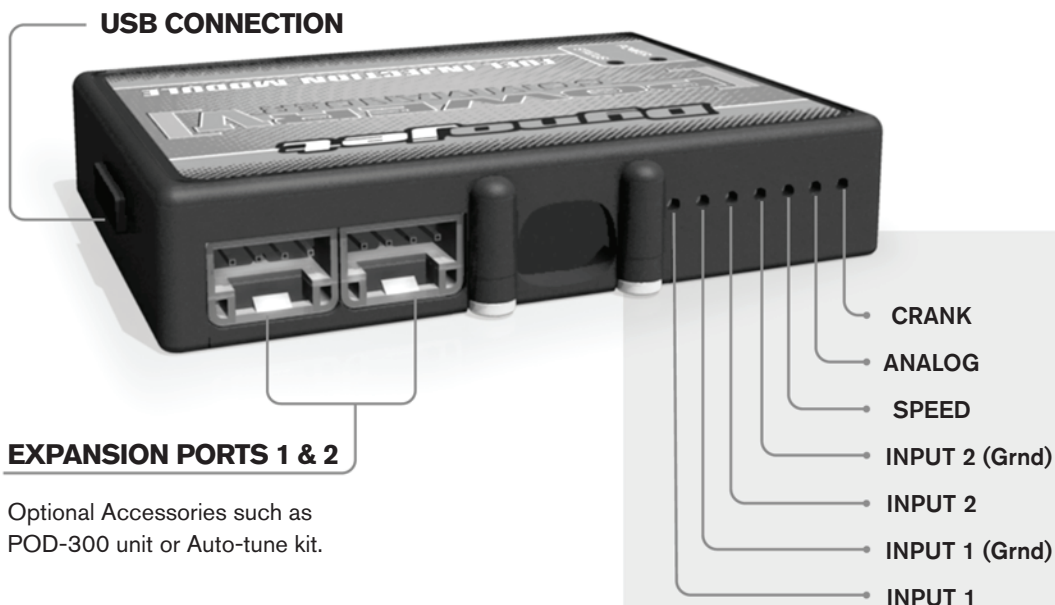
THE LATEST POWER COMMANDER  
SOFTWARE AND MAP FILES CAN BE  
DOWNLOADED FROM OUR WEB SITE AT:  
[www.powercommander.com](http://www.powercommander.com)

**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION**

**Dynojet**

2191 Mendenhall Drive North Las Vegas, NV 89081 (800) 992-4993 [www.powercommander.com](http://www.powercommander.com)

# POWER COMMANDER V INPUT ACCESSORY GUIDE



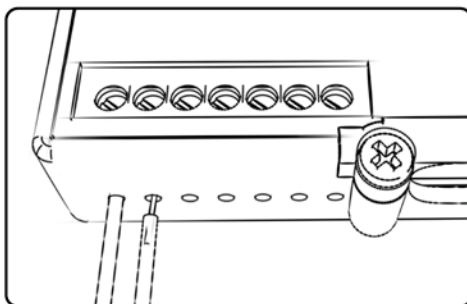
## EXPANSION PORTS 1 & 2

Optional Accessories such as  
POD-300 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 -

(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-

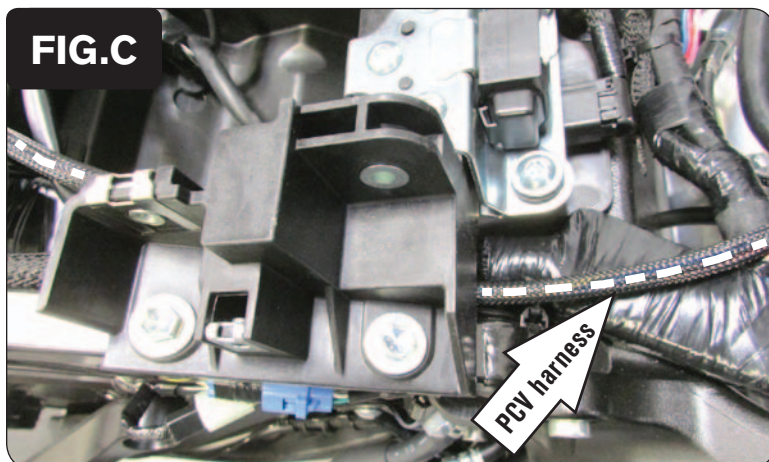
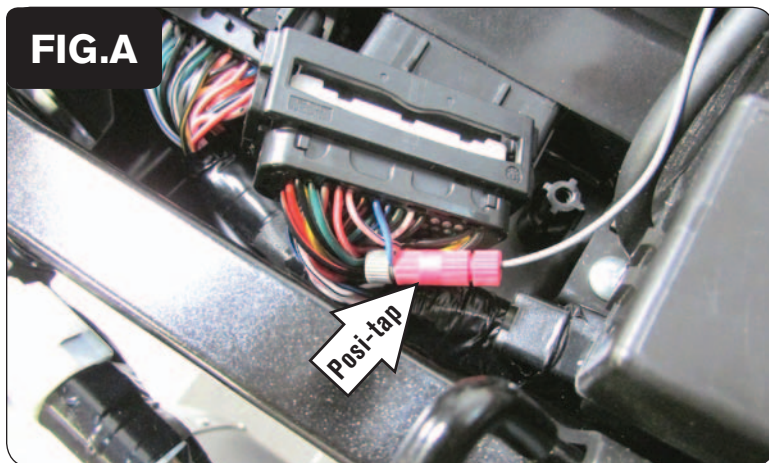
If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent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

### Analog-

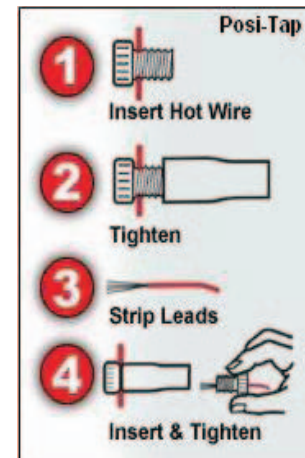
This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the control center software.

### 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. Remove the bodywork around the tail section. Remove the bodywork around the fuel tank.
- 2 Remove the fuel tank.
- 3 Remove the plastic above the ECU in the tail section. Unplug the larger of the two stock ECU connectors.
- 4 Use the supplied Posi-tap to attach the PCV GREY wire to the stock BLUE/RED wire of the stock ECU connector (Fig. A).
- 5 Plug the stock connector back on to the ECU. Reinstall the plastic over the ECU.

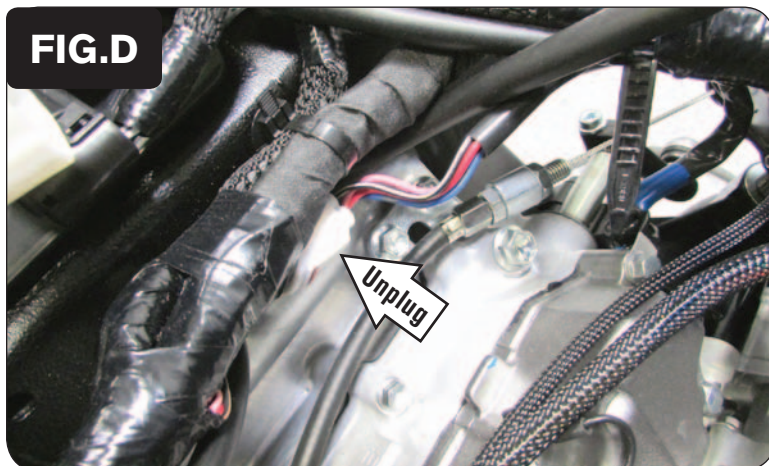


- 6 Use the supplied Velcro to secure the PCV module in the tail section above the ECU (Fig. B).

*Clean surfaces with the supplied alcohol swab before attaching the Velcro.*

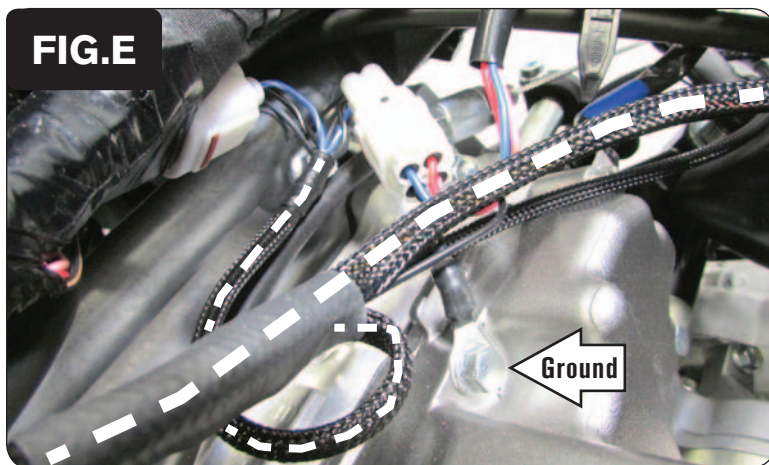
- 7 Continue routing the wiring harness towards the engine along the right side of the tail section. Loosen any cross-members and route the PCV wiring harness beneath them (Fig. C).



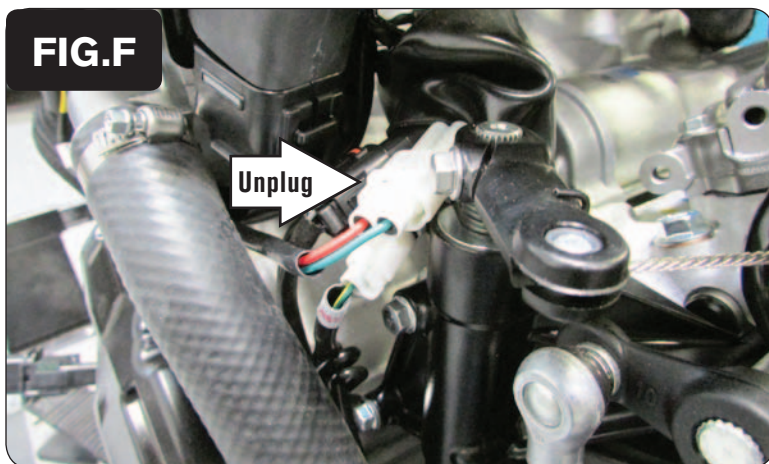


- 8 On the right side of the bike rear of the engine, locate and unplug the stock Gear Position Sensor connectors (Fig. D).

*This is a WHITE 4-pin connector pair.*



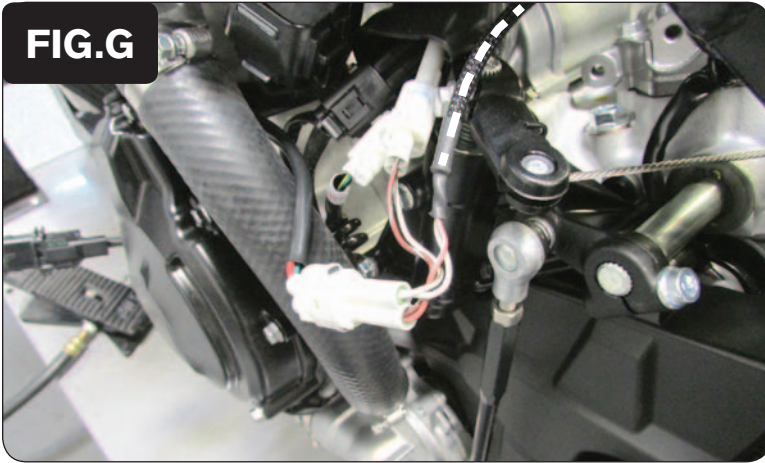
- 9 Plug the pair of 4-pin PCV connectors in-line of the bike's stock Gear Position Sensor connectors (Fig. E).
- 10 Secure the PCV ground wire with the small ring terminal to the engine case bolt shown in Figure E.
- 11 Keep The PCV wiring harness routing close to the stock wiring harness in this area.



- 12 Locate and unplug the stock Crank Position Sensor connectors (Fig. F).

*This is a WHITE 2-pin connector pair located on the right side of the bike rear of the engine. They are stored inside a black rubber boot.*

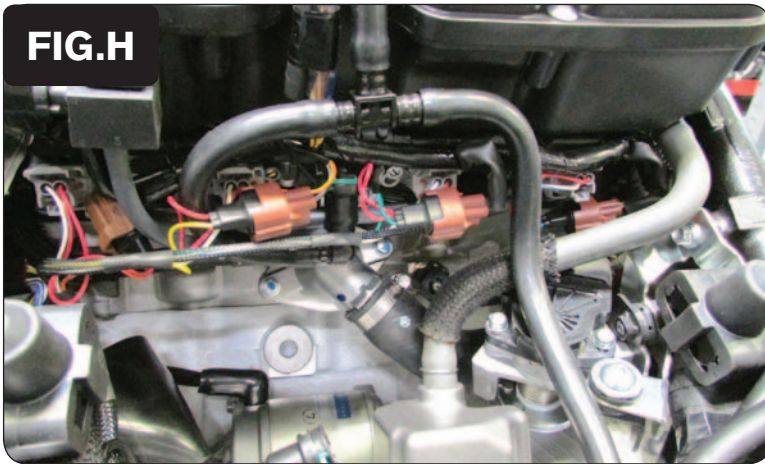
**FIG.G**



- 13 Plug the PCV wiring harness in-line of the stock Crank Position Sensor connectors (Fig. G).
- 14 Continue routing the PCV wiring harness along the left side of the bike staying close to the stock wiring harness, then across the back side of the airbox.

*The stock wire tie can be used to hold the PCV wiring harness at this location.*

**FIG.H**



- 15 Unplug all four of the lower primary Fuel Injectors.  
*These are the injectors located beneath the airbox with BROWN connectors.*
- 16 Plug the PCV wiring harness in-line of each lower primary fuel injector and the stock wiring harness (Fig. H).  
*ORANGE - #1 cylinder*  
*YELLOW - #2 cylinder*  
*GREEN - #3 cylinder*  
*BLUE - #4 cylinder*
- 17 Reinstall the fuel tank, bodywork, and seats.