# [POWER COMMANDER V]

## 2005-2006 Suzuki GSXR1000

### 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**

**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION**

Dynojet

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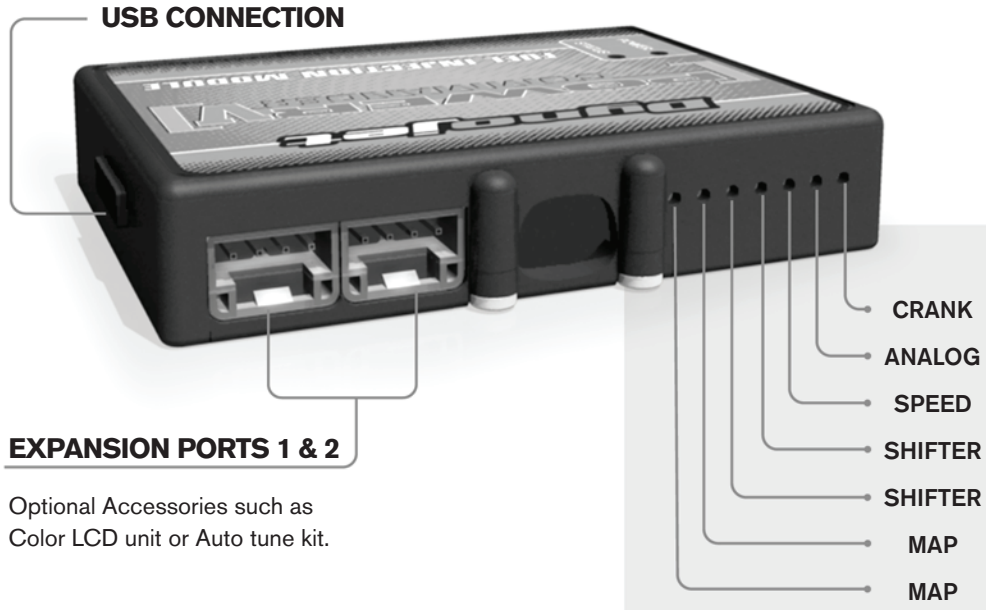
# POWER COMMANDER V
# INPUT ACCESSORY GUIDE

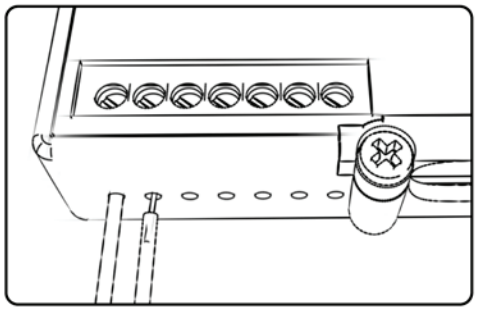



Optional Accessories such as
Color LCD unit or Auto tune kit.

**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 is 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

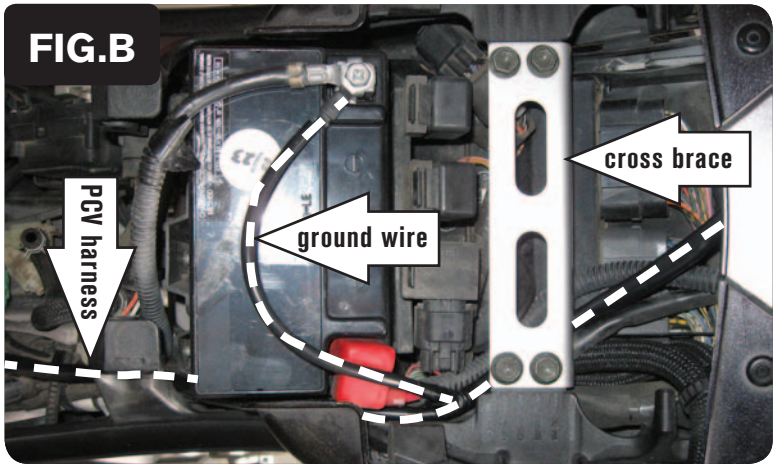
**Map -** The PCV has the ability to hold 2 different base maps. You can switch on the fly between these two base maps when you hook up a switch to the MAP inputs. You can use any open/close type switch. The polarity of the wires is not important. When using the Autotune kit one position will hold a base map and the other position will let you activate the learning mode. When the switch is “CLOSED” Autotune will be activated.

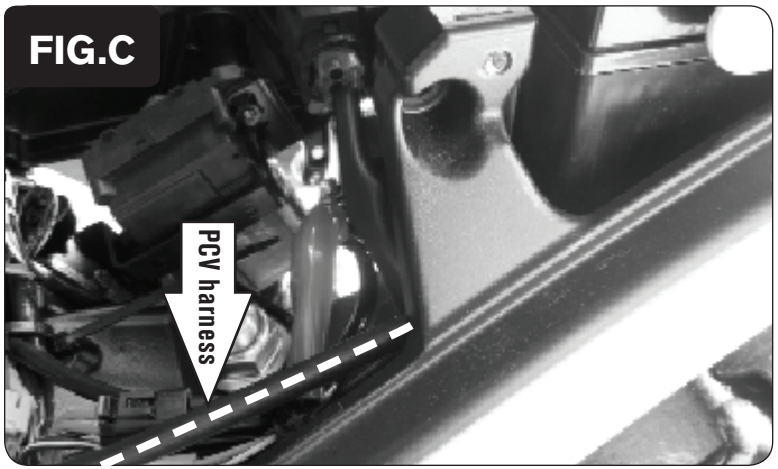
**Shifter-** These inputs are for use with the Dynojet quickshifter. Insert the wires from the Dynojet quickshifter into the SHIFTER inputs. The polarity of the wires is not important.

**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 Using the supplied velcro, secure the PCV to the right hand side of the subframe as shown in Figure A.

Make sure to clean both surfaces with the alcohol swab before attaching.

3 Remove the fuel tank.

**Note:** The installation can be performed without removing the fuel tank; however, removing the fuel tank may make the installation easier.

4 Route the PCV harness down the left hand side of the bike.

5 Route the harness under the tail section and under the subframe cross brace.

6 Attach the ground wire from the PCV to the negative side of the battery as shown in Figure B.

7 Route the PCV harness along the left hand side of the battery and inside the fuel tank frame bracket, as shown in Figure C, or under the fuel tank if it was not removed.

FIG.D

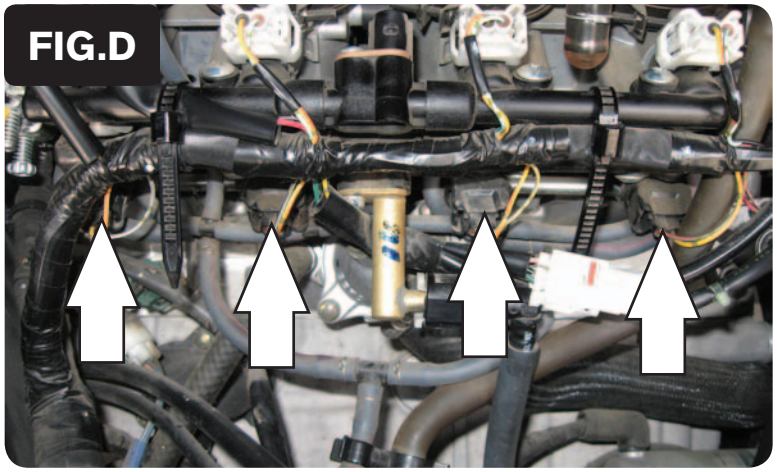


FIG.E

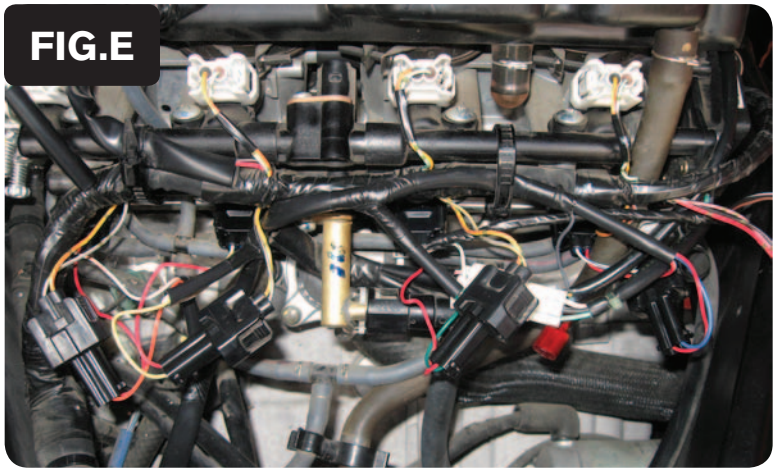
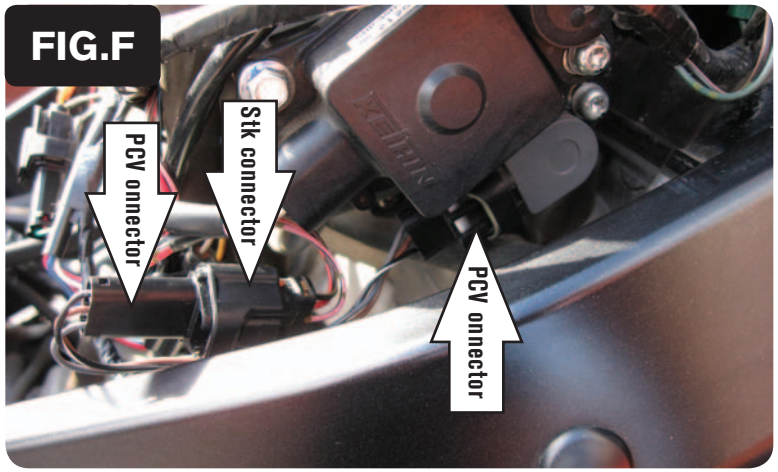


FIG.F




8 Unplug the stock wiring harness from the lower injectors of the throttle bodies as shown in Figure D.

**Note:** If the PCV is connected to the upper injectors, the bike will run poorly and will not show RPM data in the software.

9 Attach the connectors from the PCV wiring harness to the stock wiring harness and injectors as shown in Figure E.

**Note:** Use the stock wire ties to hold the PCV harness to the throttle bodies.

10 Locate the Throttle Position Sensor (TPS) on the right hand side of the throttle bodies as shown in Figure F.

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

12 Reinstall the fuel tank if it was removed. Verify none of the wires get pinched.

13 Reinstall the seats.