

[POWER COMMANDER V]

2010-2012 Suzuki GSX1250F

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
- 1 Posi-tap

THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION!

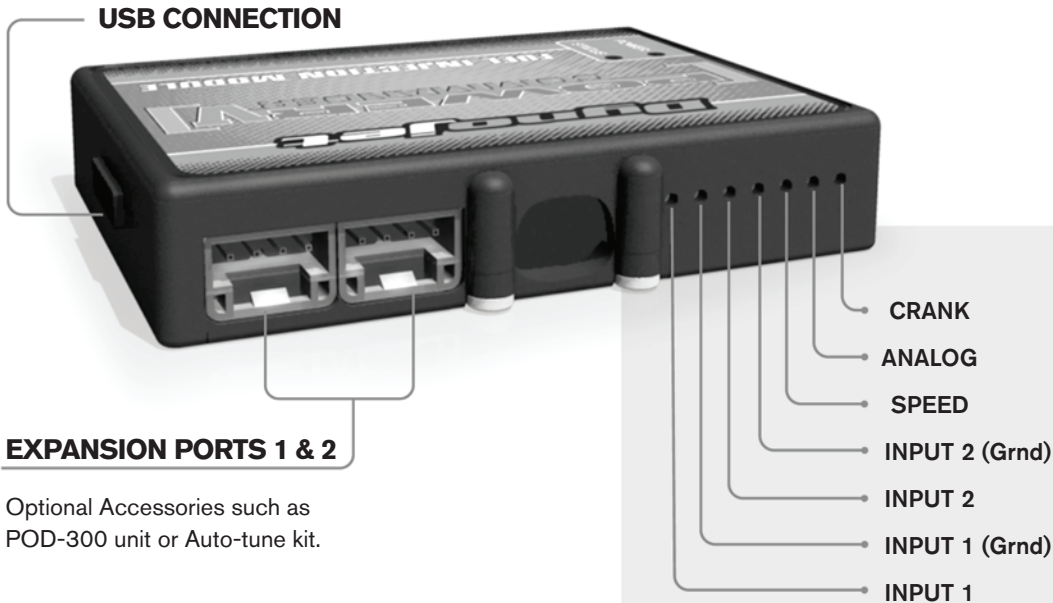
THE LATEST POWER COMMANDER SOFTWARE AND MAP FILES CAN BE DOWNLOADED FROM OUR WEB SITE AT:
www.powercommander.com

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-

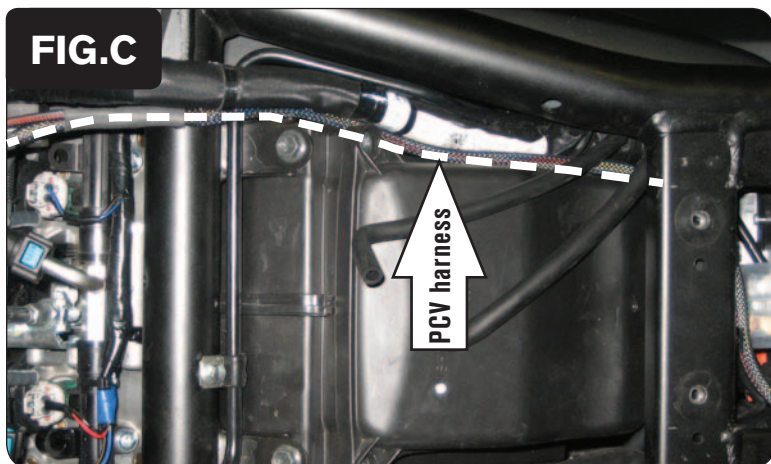
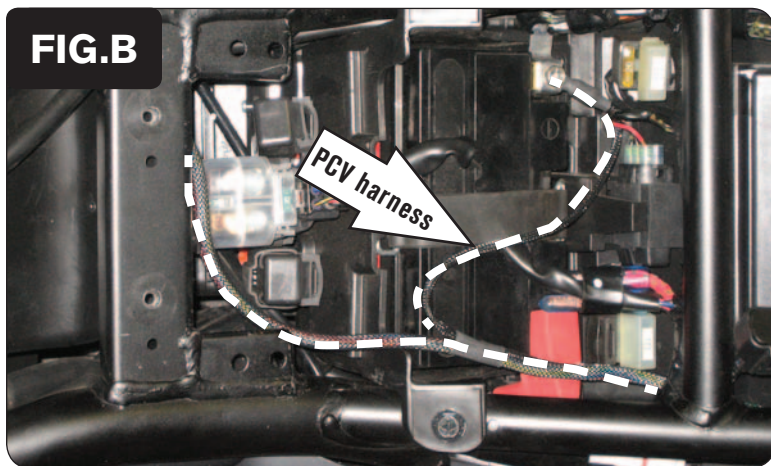
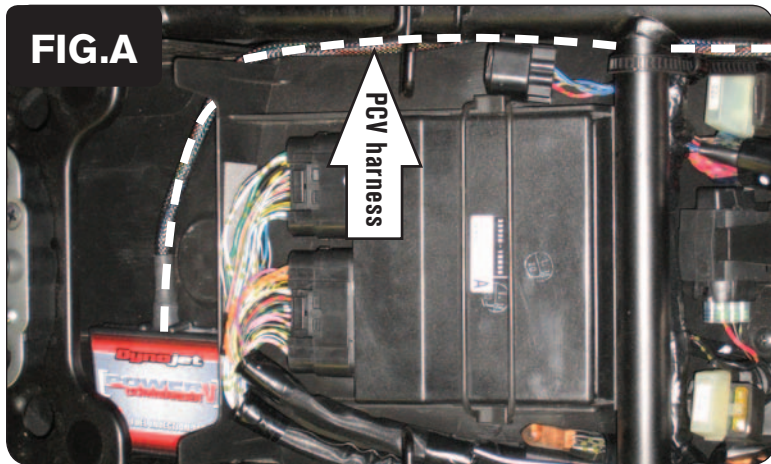
If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent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

Analog-

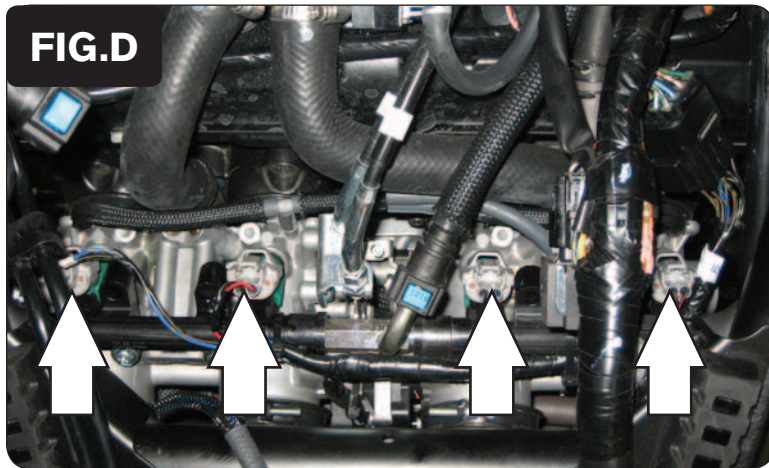
This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the control center software.

Crank-

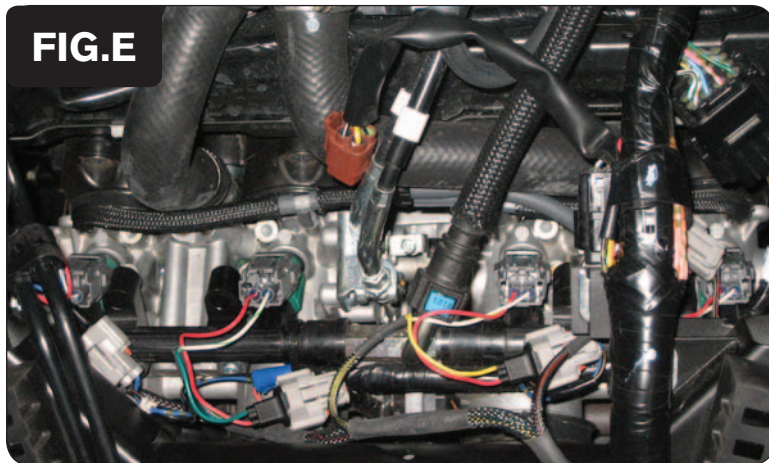
Do **NOT** connect anything to this port unless instructed to do so by Dynojet. It is used to transfer crank trigger data from one module to another.



- 1 Remove the left fairing. Remove the left side panel below the seat and fuel tank. Remove the fuel tank.
- 2 Secure the PCV in the trunk area using the supplied Velcro (Fig. A).
Make sure to clean both surfaces with the supplied alcohol swab before attaching the Velcro.
- 3 Route the PCV harness long the left side of the bike and under the small frame crossover (Fig. A). Use the stock zip tie to secure the PCV harness.
- 4 Attach the ground wire of the PCV with the small ring lug to the negative (-) terminal of the bike's battery (Fig. B).
- 5 Route the PCV harness down the right side of the bike and under the frame crossover that supports the fuel tank (Fig. B).
- 6 Route the PCV harness along the stock main harness up to the throttle body (Fig. C).



7 Unplug the stock wiring harness from each fuel injector (Fig. D).



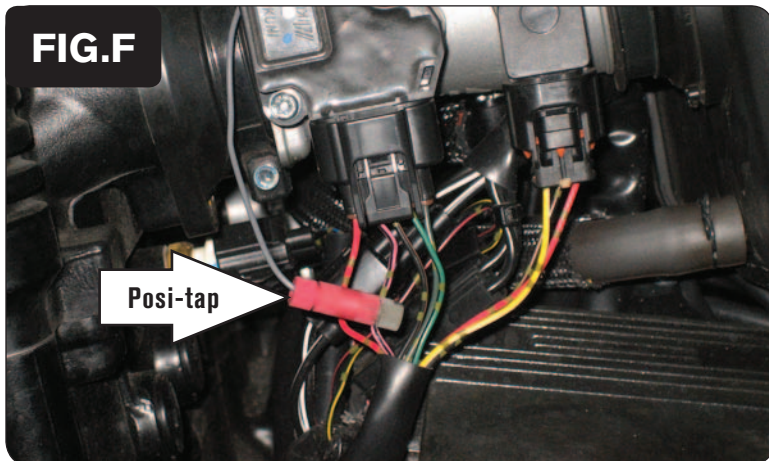
8 Plug the PCV in-line of the stock wiring harness and fuel injectors (Fig. E).

BLUE wire to cylinder #1

GREEN wire to cylinder #2

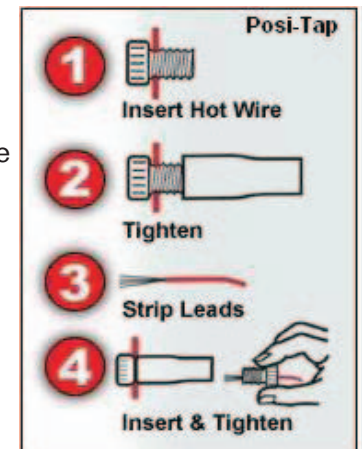
YELLOW wire to cylinder #3

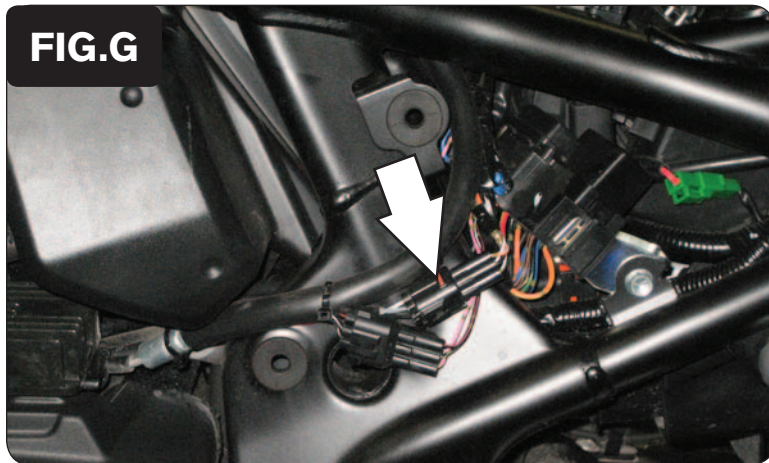
ORANGE wire to cylinder #4



9 Locate the Throttle Position Sensor which is on the left hand side of the throttle bodies.

10 Connect the GREY wire from the PCV to the PINK/BLACK wire of the stock wiring harness using the supplied Posi-tap (Fig. F).





- 11 Locate the O2 sensor connector below the left side panel (Fig. G).
This is a BLACK 4-pin connector.
- 12 Unplug the O2 sensor from the main wiring harness.



- 13 Plug the Dynojet O2 Optimizer into the stock wiring harness (Fig. H).
The stock O2 sensor will no longer be connected to anything. It can be removed from the exhaust if desired and if you have a way to plug the hole left in the exhaust.
- 14 Reinstall the seat, the left fairing, and the left side panel.

Optional inputs:

Speed input - PINK wire of black 3-pin connector under left side panel (can be seen in Fig. H)

12v source for Auto-tune – GREY wire of 3-pin connector for tail light.