

[POWER COMMANDER V]

2006-2010 Yamaha FZ1

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

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-

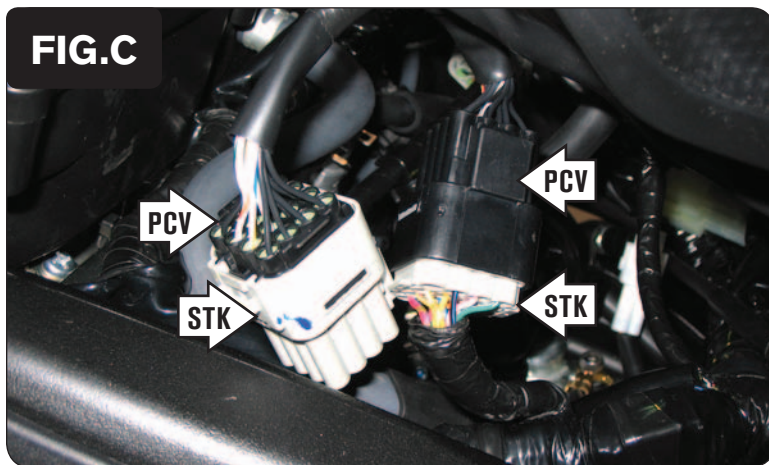
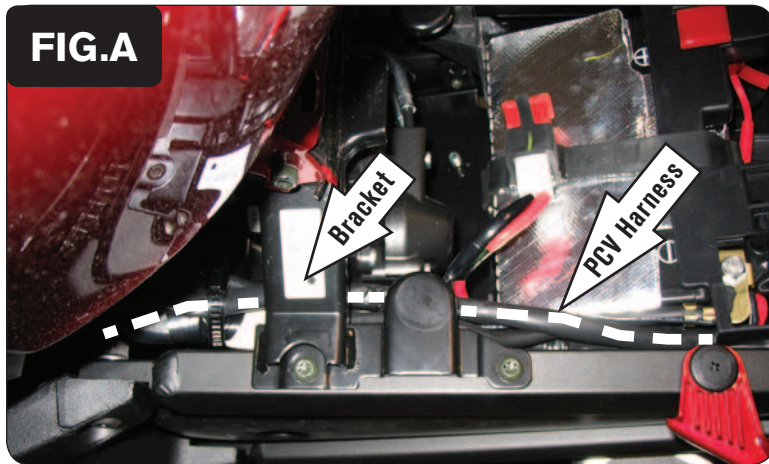
If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent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

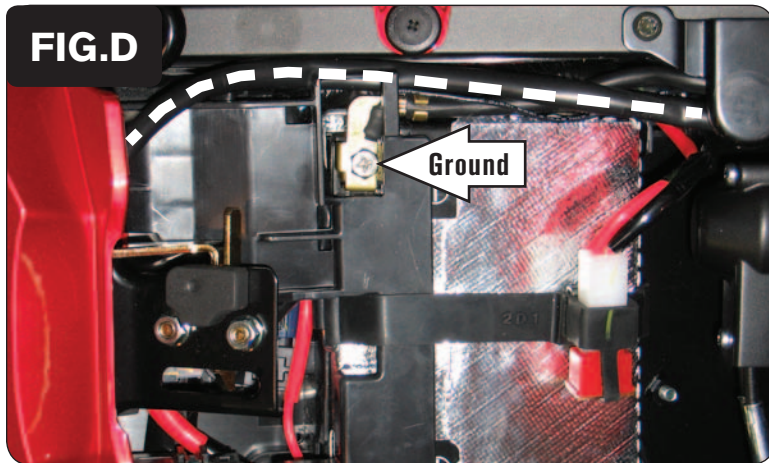


- 1 Remove the main seat and the passenger seat.
- 2 Prop the front of the fuel tank up.
- 3 Remove the bolt on the left hand side of the fuel tank bracket and loosen the right hand bolt enough to route the PCV harness beneath it.
- 4 Lay the PCV module in the tail section temporarily. Route the PCV harness through the tail section, towards the engine, beneath the fuel tank bracket, following inside the left side frame rail (Fig. A).
- 5 Resecure the fuel tank bracket.

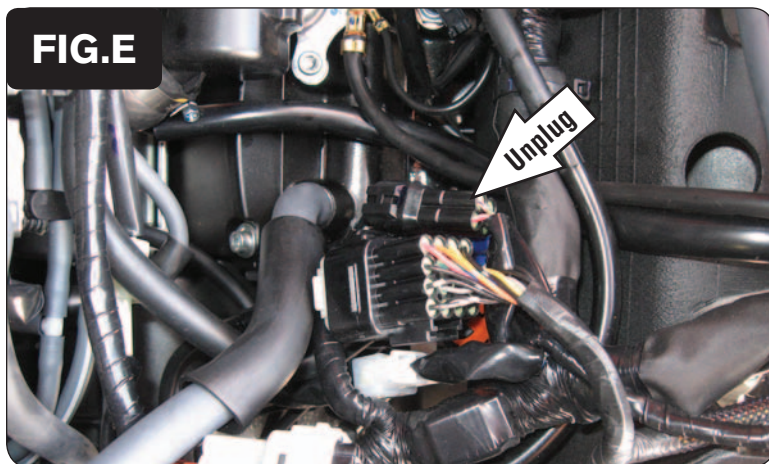
- 6 Locate and unplug the stock connector for the Fuel Injector subharness (Fig. B).

This is a GREY 16-pin connector located on the left side of the bike just rear of the air box.

- 7 Plug the pair of connectors from the PCV wiring harness in-line of the stock Fuel Injector subharness connectors (Fig. C).



- 8 Attach the PCV ground wire with the small ring lug the negative (-) terminal of the bike's battery (Fig. D).



- 9 Locate the stock O2 sensor in the exhaust. Follow the O2 sensor cable to a connector and unplug it (Fig. E).

The stock O2 sensor will no longer be used. It can be removed from the exhaust, if desired and if you have a way to plug the hole.

- 10 Using the supplied Velcro, secure the PCV module in the rear of the tail section (Fig. F).

Clean the surface with the supplied alcohol swab prior to applying the Velcro adhesive.

You could also use the tool kit strap to hold the module in the tail.

- 11 Confirm the wiring harness routing is correct and free and clear of any hot or moving parts.
- 12 Lower and secure the front of the fuel tank and reinstall the seats.

Optional Inputs:

Speed - PINK wire on WHITE 3-pin connector under the fuel tank

Engine Temperature - GREEN/WHITE wire of the GREY 16-pin connector in Fig. B (connected to PCV).

12v source for Auto-tune - BLUE wire of the tail light connector

