

# [POWER COMMANDER V]

**2008-2013 Yamaha XJR1300**

**Installation Instructions**



## **PARTS LIST**

- 1 Power Commander
- 1 USB Cable
- 1 Installation Guide
- 2 Power Commander Decals
- 2 Dynojet Decals
- 3 Velcro
- 1 Alcohol swab
- 1 O2 Optimizer
- 1 Posi-tap

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

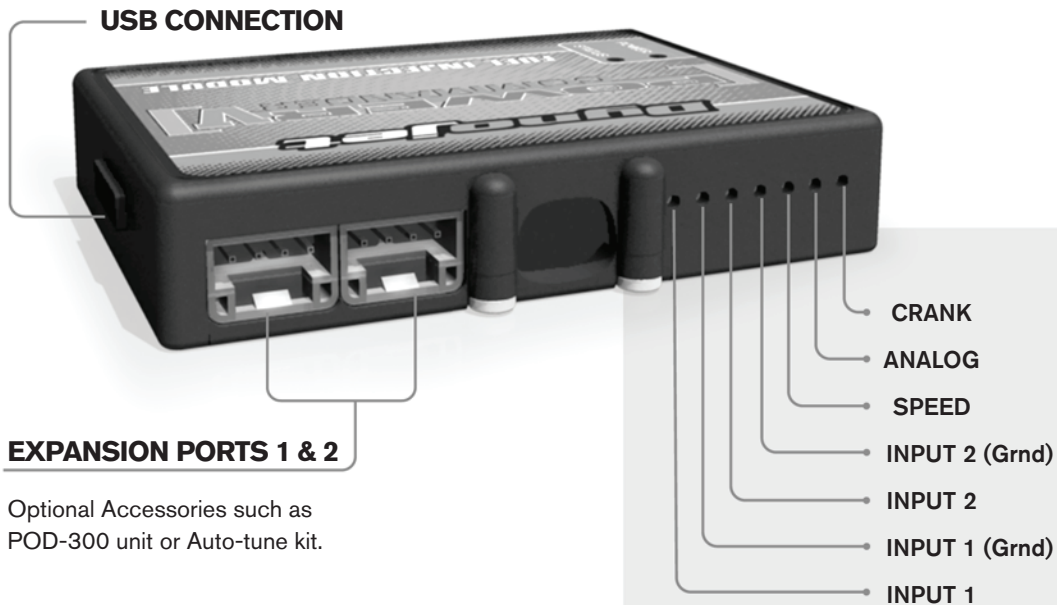
YOU CAN ALSO DOWNLOAD THE POWER COMMANDER SOFTWARE AND LATEST MAPS FROM OUR WEB SITE AT:  
[www.powercommander.com](http://www.powercommander.com)

**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



## 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-

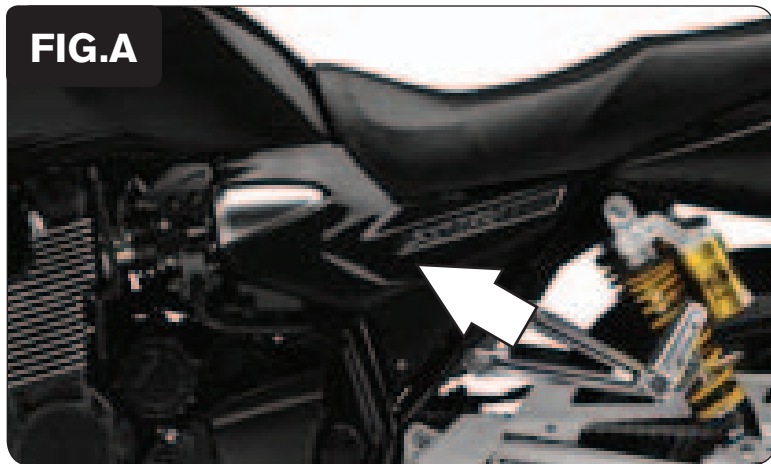
If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent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

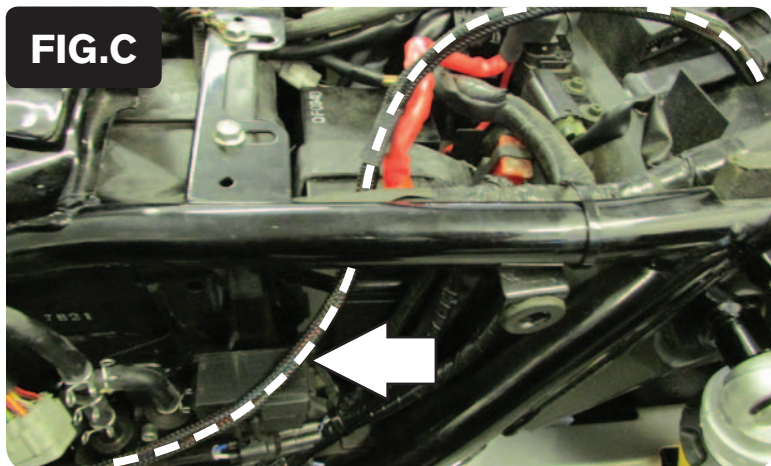
Do **NOT** connect anything to this port unless instructed to do so by Dynojet. It is used to transfer crank trigger data from one module to another.



- 1 Remove the seat and left side panel (Fig. A).

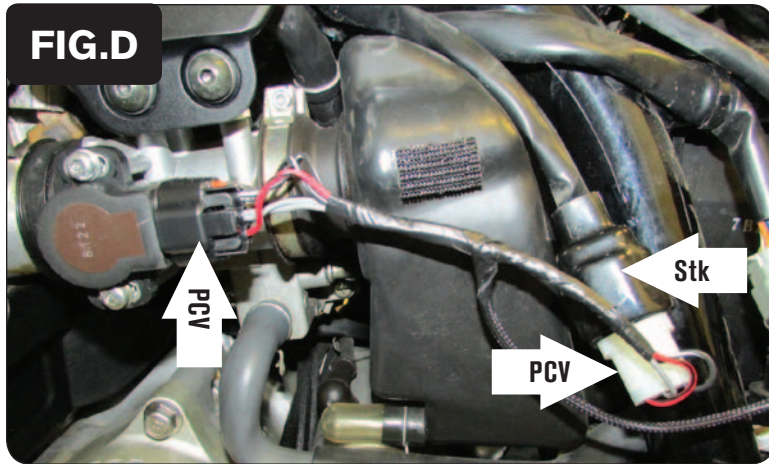


- 2 Install the PCV in the tail section using the supplied velcro (Fig. B).  
*Make sure to clean both surfaces with the alcohol swab before attaching.*



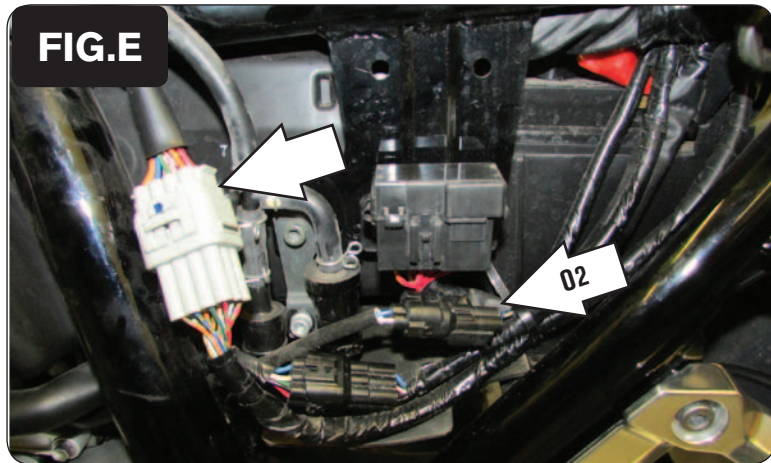
- 3 Route the PCV harness under the frame tube and go towards the area under the left hand side cover(Fig. C)



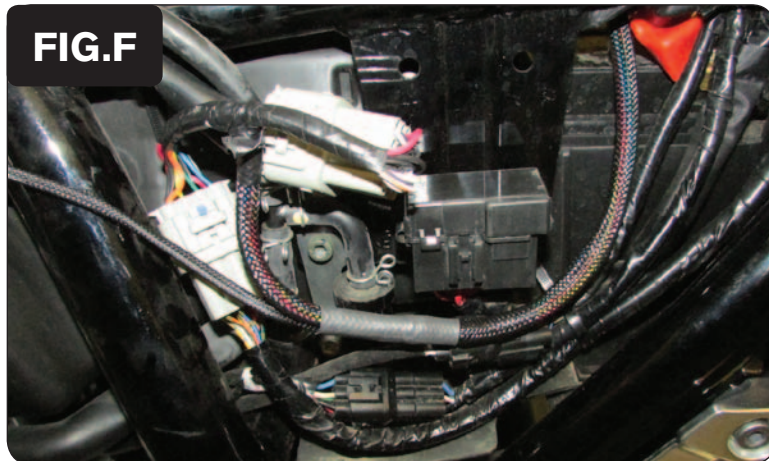


- 4 Plug the PCV in-line of the stock Throttle Position Sensor and wiring harness (Fig. D).

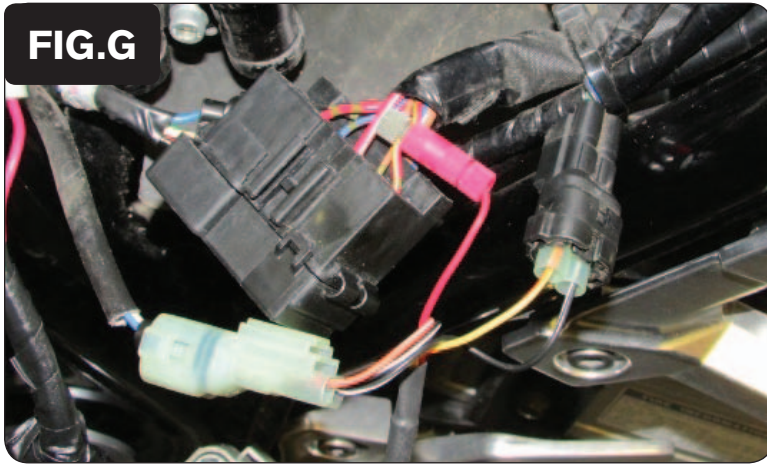
*This connection is on the left side of the throttle body. Place the stock connector behind the airbox to allow room for the side cover to be reinstalled.*



- 5 Unplug the GREY, 12 pin connector that is under the left side cover (Fig. E).
- 6 Unplug the BLACK, 2 pin connector for the O2 sensor (Fig. E).



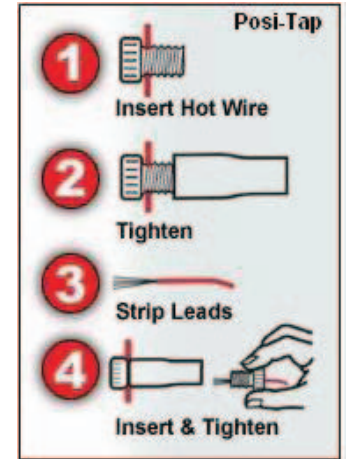
- 7 Plug the PCV in-line of the stock throttle body connector and wiring harness (Fig. F).



- 8 Use the supplied Posi-tap to attach the single unterminated RED wire of the O2 Optimizer to the stock RED/YEL wire of the fuse box assembly (Fig. G).

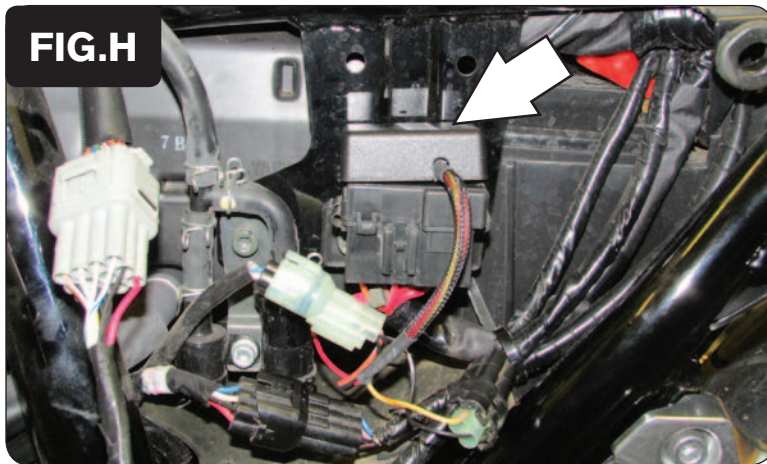
*Removing the fusebox from its mount may make this step easier.*

- 9 Plug the Optimizer in-line of the stock O2 sensor and wiring harness (Fig. G).



- 10 Install the O2 Optimizer on top of the fusebox using the supplied velcro (Fig. H).

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



- 11 Attache the ground wire of the PCV harness to the negative side of the battery (Fig. J).

- 12 Reinstall the sidecover and the seat..

