

[POWER COMMANDER V]

2009-2010 Yamaha WR125X

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!

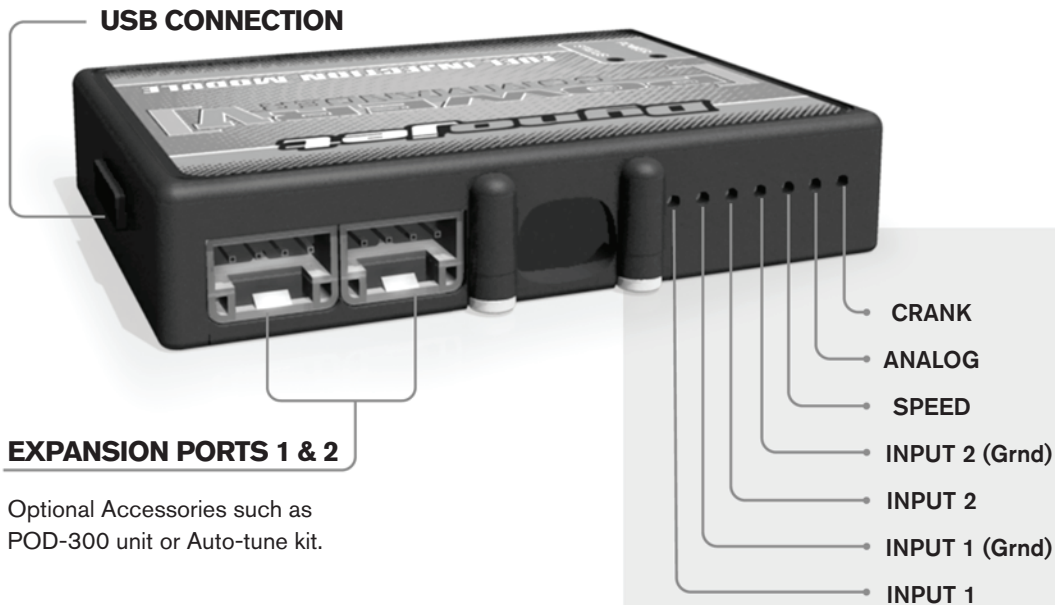
THE LATEST POWER COMMANDER SOFTWARE AND MAP FILES CAN BE DOWNLOADED FROM OUR WEB SITE AT:
www.powercommander.com

PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION

Dynojet

2191 Mendenhall Drive North Las Vegas, NV 89081 (800) 992-4993 www.powercommander.com

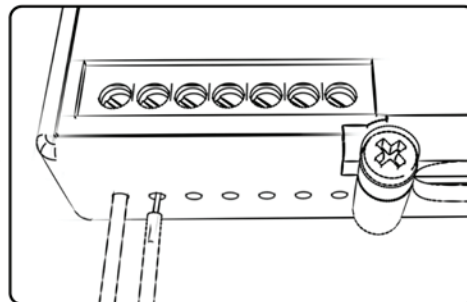
POWER COMMANDER V INPUT ACCESSORY GUIDE



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-

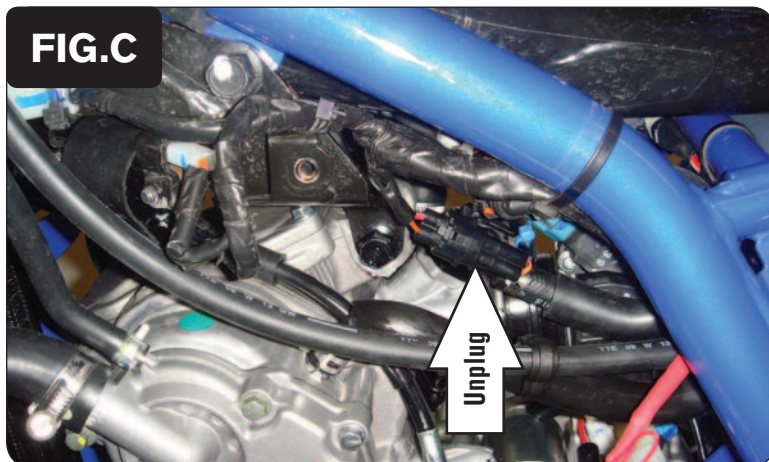
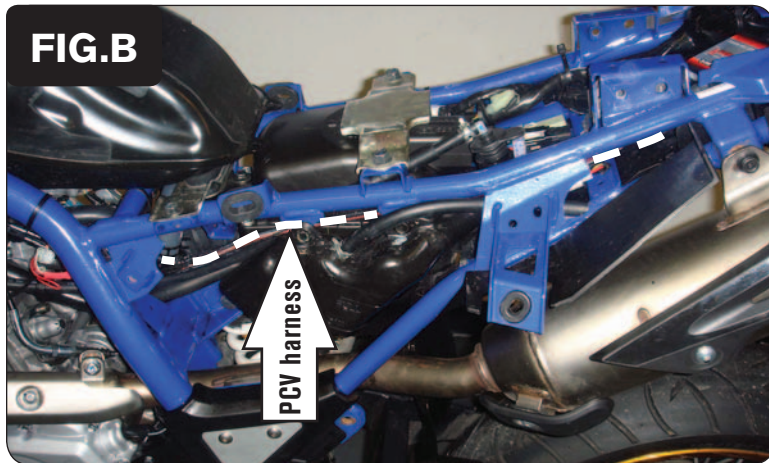
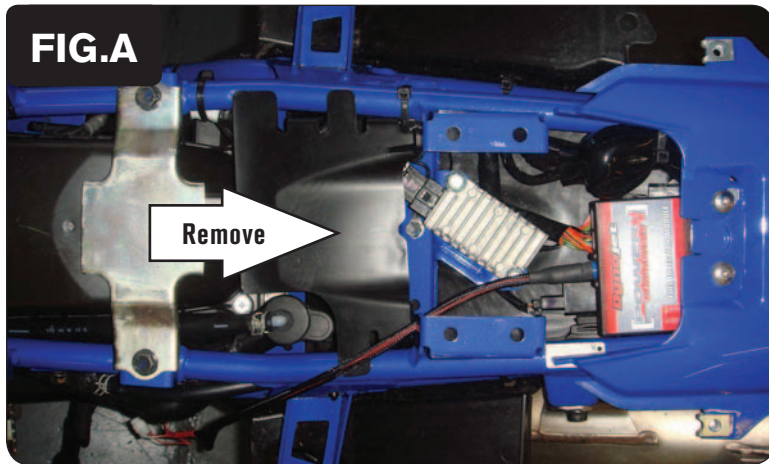
If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent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

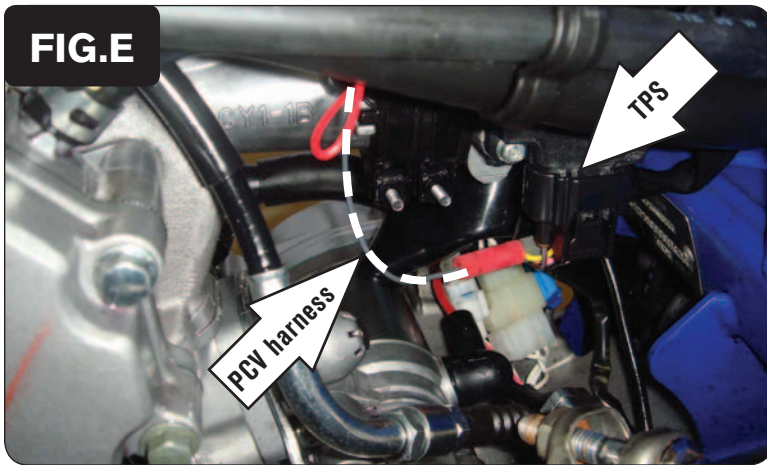
Do **NOT** connect anything to this port unless instructed to do so by Dynojet. It is used to transfer crank trigger data from one module to another.



- 1 Remove the seat.
- 2 Remove side covers, radiator covers and fuel tank cover. The fuel tank can remain in position.
- 3 Temporarily place the PCV near the bikes ECU at the rear of the bike and remove the clip-on panel shown in Fig A.
- 4 Route the PCV harness down the left side of the bike (Fig B).
- 5 Locate the 2-pin BLACK connector from the throttle body. This can be accessed from the left side of the bike (Fig C).



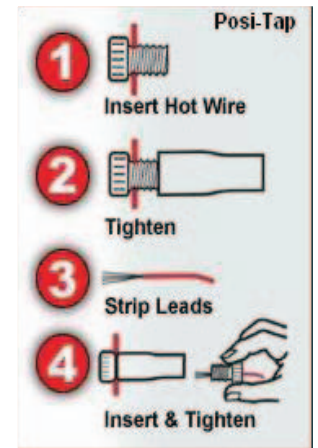
6 Plug the connectors from the PCV in-line with the stock wiring harness (Fig D).



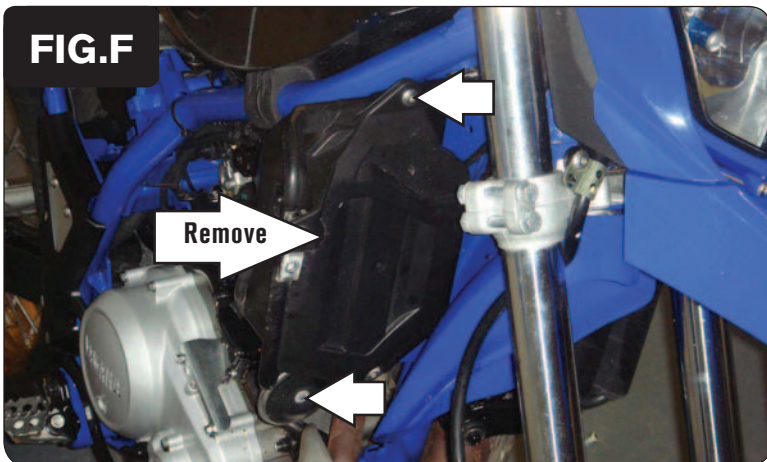
7 Locate the 5-pin BLACK Throttle Position Sensor connector on the left hand side of the throttle body (Fig E).

8 Using the supplied Posi-tap, attach the GREY wire of the PCV to the stock YELLOW wire of the stock wiring harness.

Temporarily removing the connector allows for better access.



9 Locate and remove the battery box cover. This is located at the front, right side of the bike (Fig F).





- 10 Route the ground wire from the PCV as shown (Fig G).
- 11 Secure the PCV ground wire to the NEGATIVE side of the battery.
- 12 Reinstall battery box cover making sure not to pinch the PCV wire.



- 13 Secure the PCV to the stock ECU using the supplied velcro.
Make sure to clean both surfaces with the alcohol swab before attaching.
- 14 Reinstall body panels and seat.