

[POWER COMMANDER V]

FUEL AND IGNITION

2012-2014 Yamaha WR450F

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!

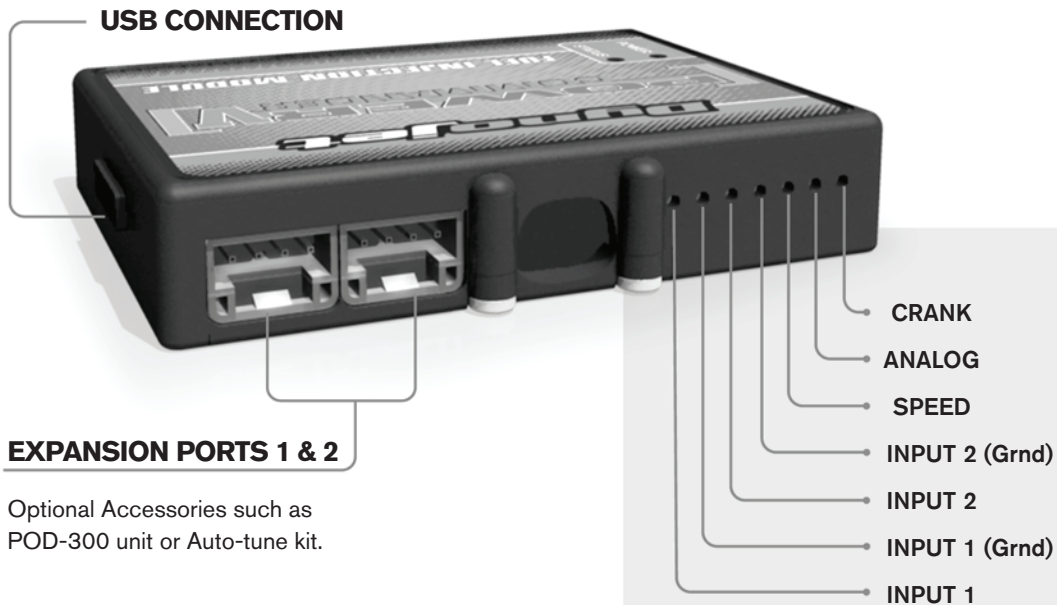
THE LATEST POWER COMMANDER SOFTWARE AND MAP FILES CAN BE DOWNLOADED FROM OUR WEB SITE AT:
www.powercommander.com

PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION

Dynojet

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

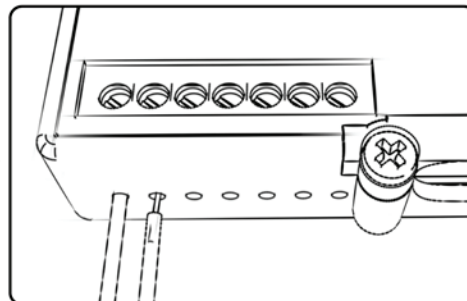
POWER COMMANDER V INPUT ACCESSORY GUIDE



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-

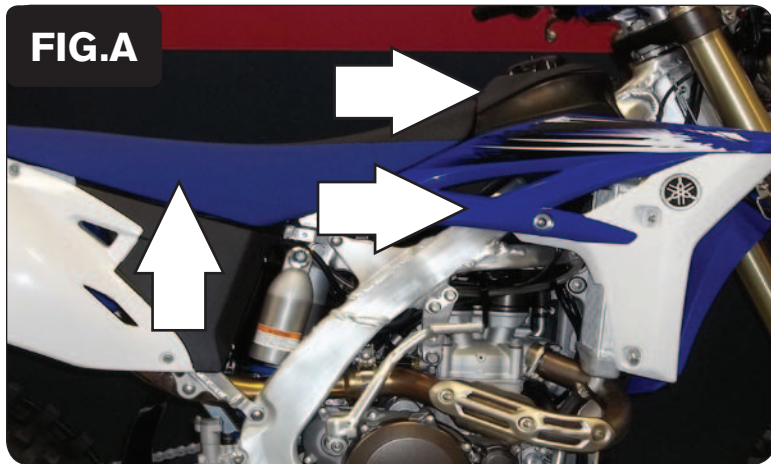
If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent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

Analog-

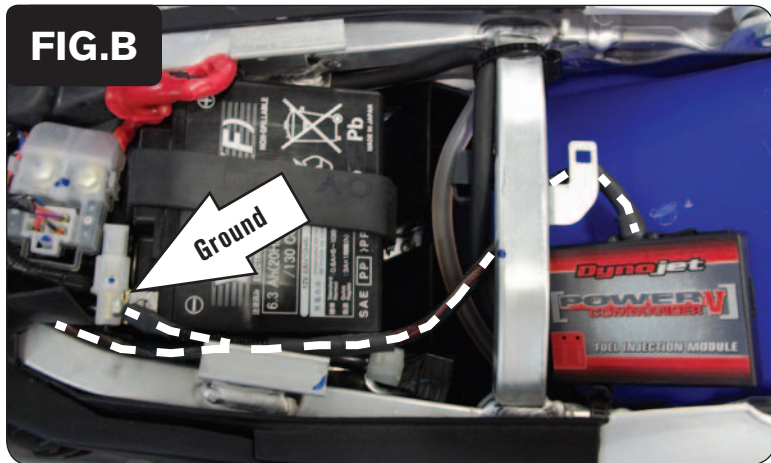
This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the control center software.

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.



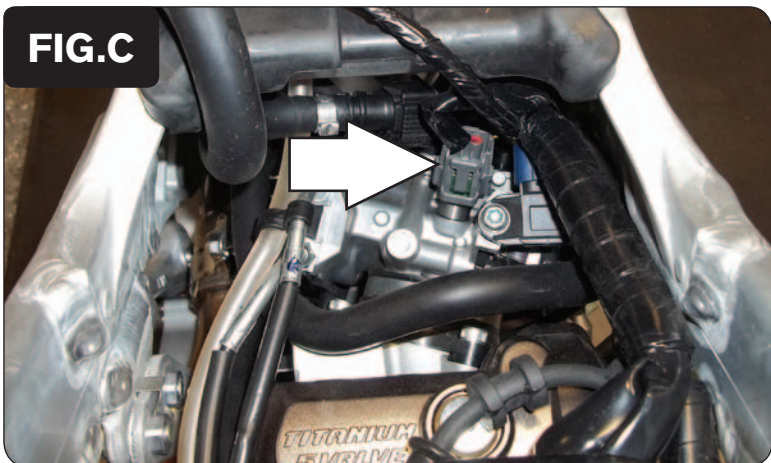
- 1 Remove the seat, the radiator side covers, and the fuel tank (Fig. A).



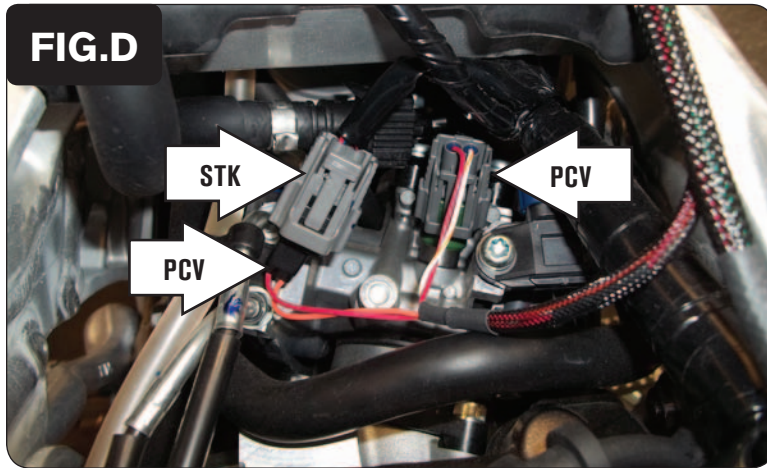
- 2 Secure the module to the top of the rear fender under the seat in the location shown in Figure B.

Use the supplied Velcro to secure the module. Clean both surfaces with the supplied alcohol swab prior to applying the Velcro.

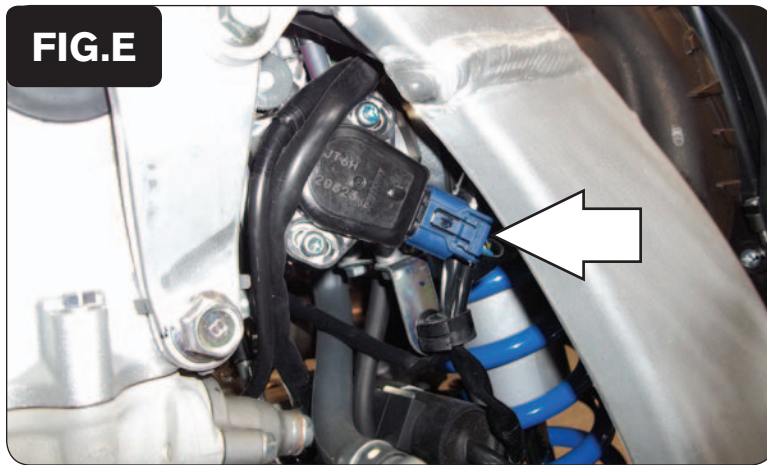
- 3 Route the PCV wiring harness down the left hand side of the frame towards the engine following the stock wiring as closely as possible.
- 4 Secure the ground wire with the eyelet of the PCV wiring harness to the negative terminal of the bike's battery (Fig. B).



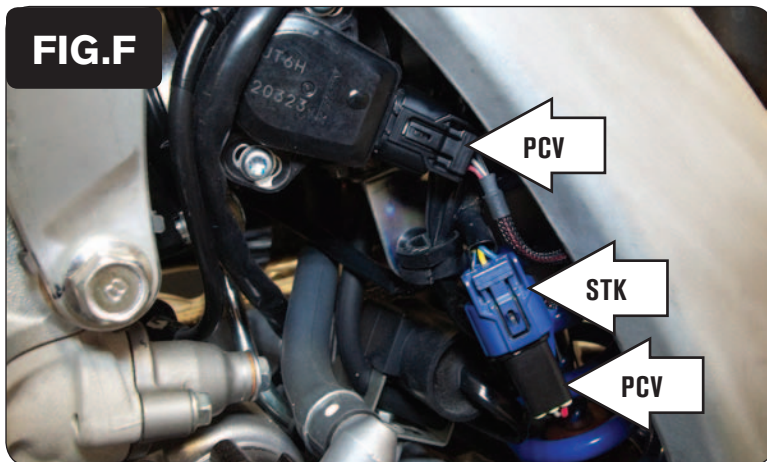
- 5 Locate and unplug the stock wiring harness from the fuel injector on top of the bike's throttle body (Fig. C).



- 6 Plug the PCV wiring harness in-line of the fuel injector and the stock wiring harness (Fig. D).



- 7 Locate and unplug the stock wiring harness from the bike's Throttle Position Sensor (Fig. E).
The TPS is located on the left side of the throttle body.

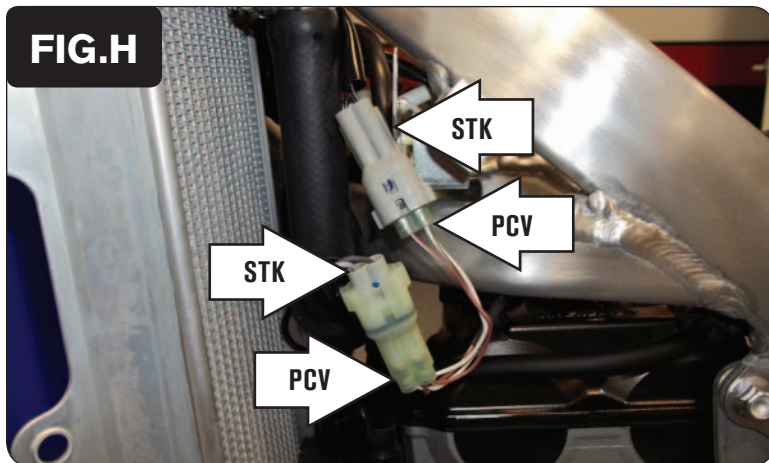


- 8 Plug the PCV wiring harness in-line of the TPS and the stock wiring harness (Fig F).

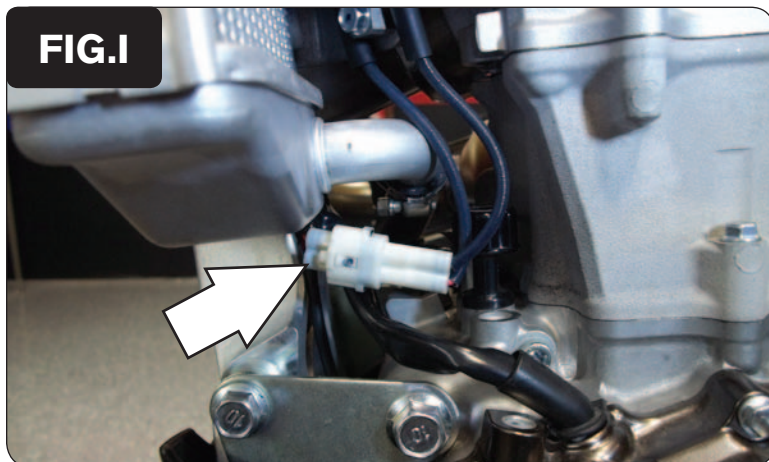


- 9 Locate and unplug the stock wiring harness from the bike's Crank Position Sensor (Fig. G).

This connector is located to the left of the frame just behind the radiator. You can trace the stock wiring harness coming out of the left side engine cover to this connector.

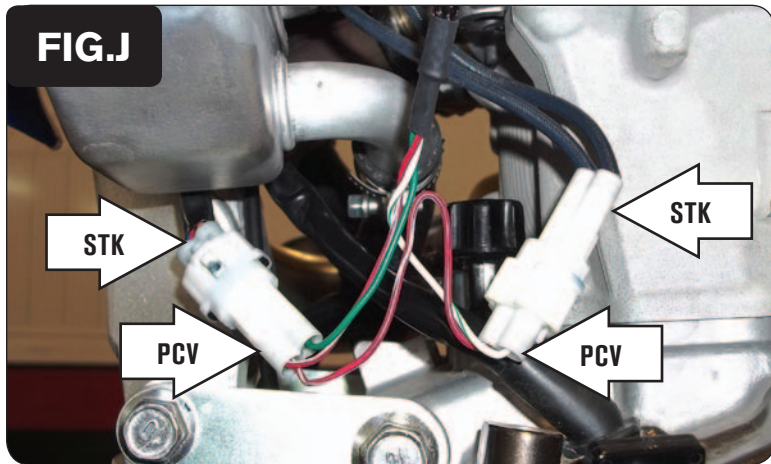


- 10 Plug the PCV wiring harness in-line of the stock wiring harness and CPS (Fig. H).



- 11 Locate and unplug the stock wiring harness from the bike's Ignition Coil (Fig. I).

This connector is on the front left side of the bike just below the radiator.



- 12 Plug the PCV wiring harness in-line of the Ignition Coil and the stock wiring harness (Fig. J).
- 13 Reinstall the fuel tank, radiator side covers, and the seat.