

[POWER COMMANDER V]

FUEL AND IGNITION

2013-2016 Honda CRF450R

Installation Instructions



PARTS LIST

- 1 Power Commander
- 1 USB Cable
- 1 Installation Guide
- 2 Power Commander Decals
- 2 Dynojet Decals
- 1 Alcohol swab
- 2 Velcro strips

THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION!

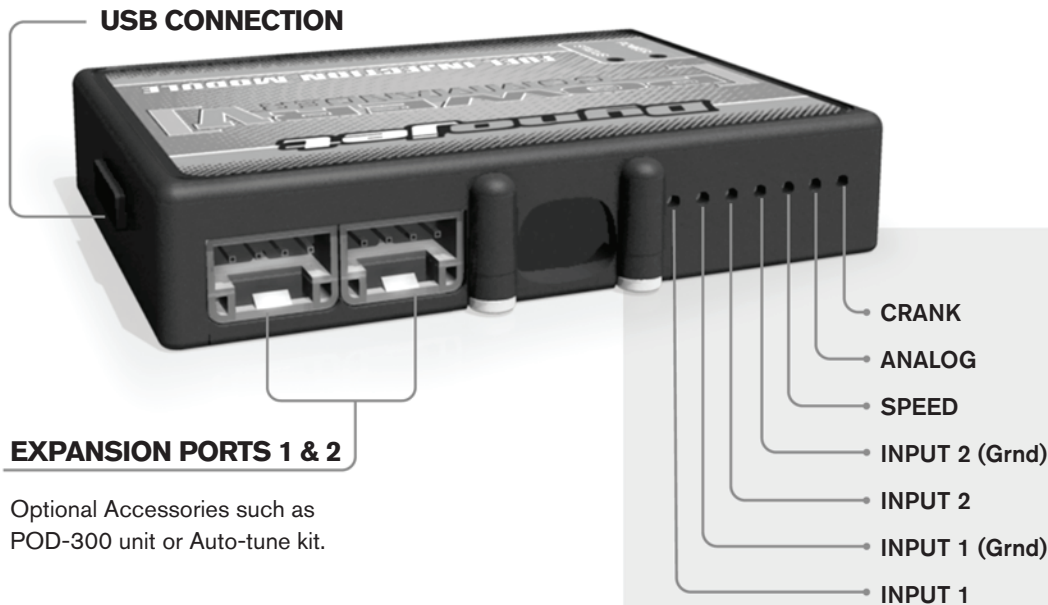
YOU CAN ALSO DOWNLOAD THE POWER COMMANDER SOFTWARE AND LATEST MAPS FROM OUR WEB SITE AT:
www.powercommander.com

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



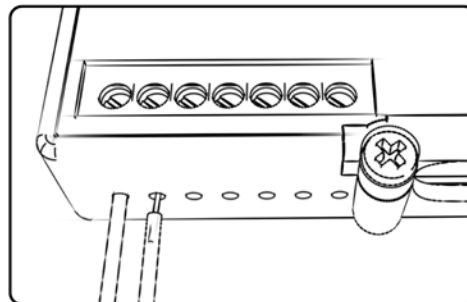
EXPANSION PORTS 1 & 2

Optional Accessories such as POD-300 unit or Auto-tune kit.

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-

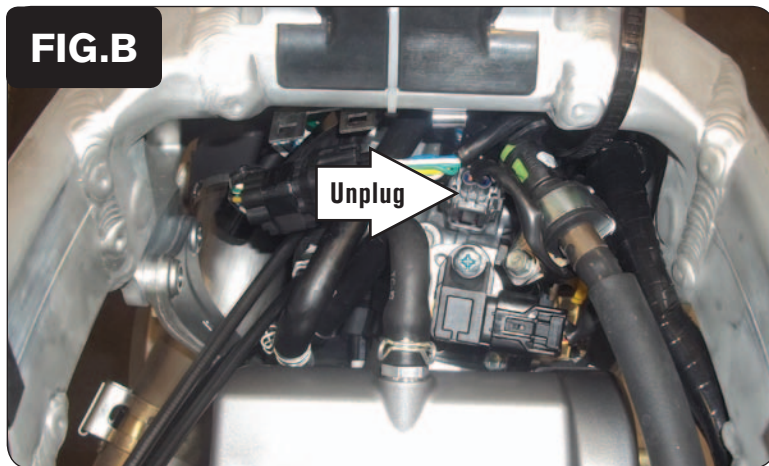
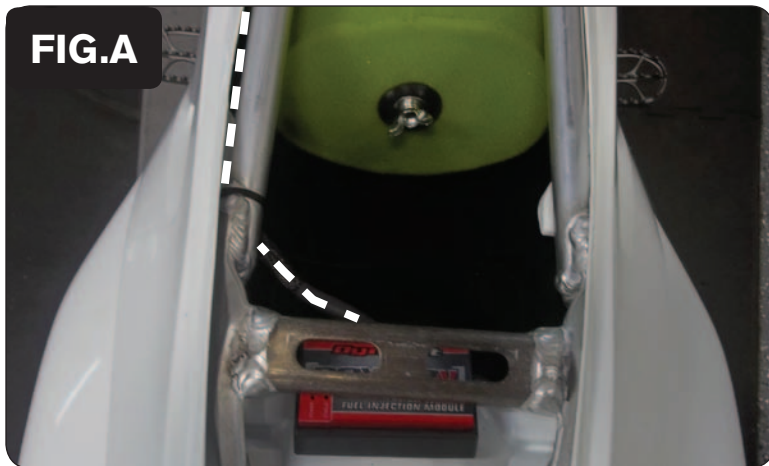
If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent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

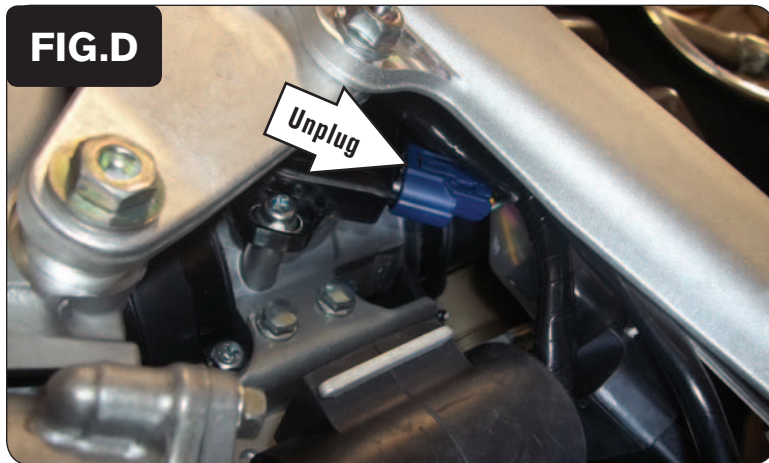
Do **NOT** connect anything to this port unless instructed to do so by Dynojet. It is used to transfer crank trigger data from one module to another.



- 1 Remove the seat and fuel tank.
- 2 Secure the PCV to the rear fender using the supplied Velcro (Fig. A)
Be sure to clean both surfaces with the supplied alcohol swab prior to applying the Velcro.
- 3 Route the PCV wiring harness down the left frame rail towards the engine.

- 4 Unplug the stock wiring harness from the injector (Fig. B).

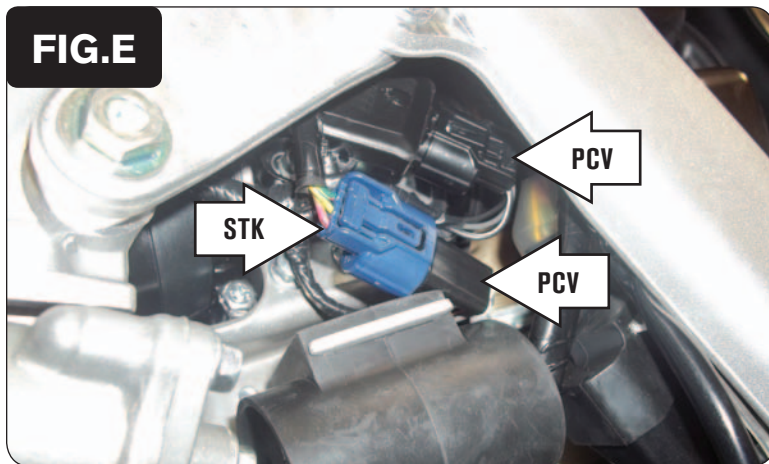
- 5 Connect the PCV in-line of the stock wiring harness and the injector (Fig. C).



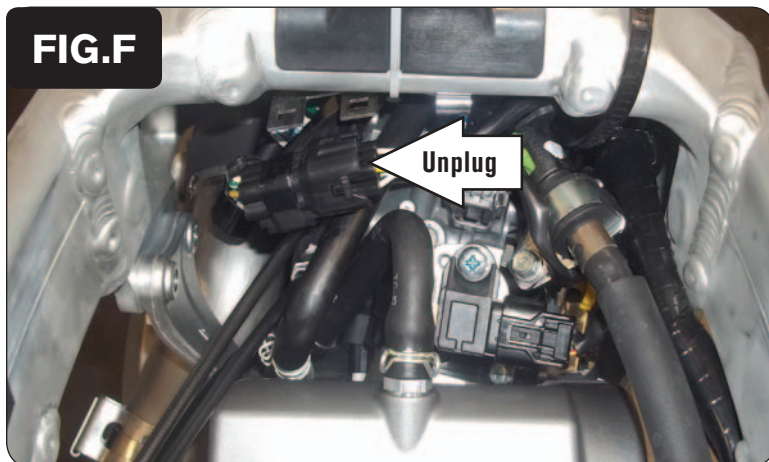
- 6 Unplug the Throttle Position Sensor harness (Fig. D).

This connector is located on the left side of the throttle body to the inside of the frame.

This connector is BLUE.

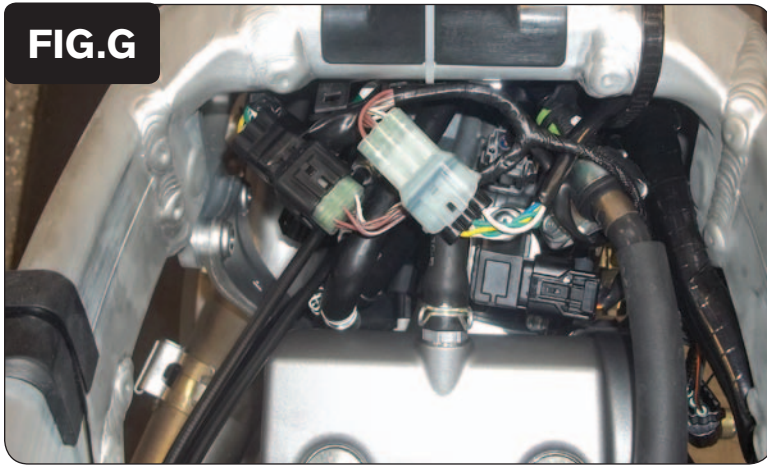


- 7 Plug the PCV harness in-line of the stock TPS and wiring harness (Fig. E)

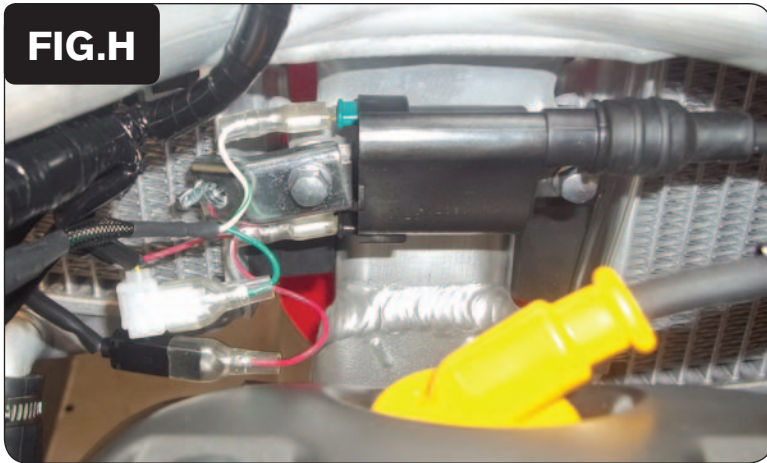


- 8 Unplug the crank position sensor connector (Fig. F).

This is a BLACK 6-pin connector above the throttle body.



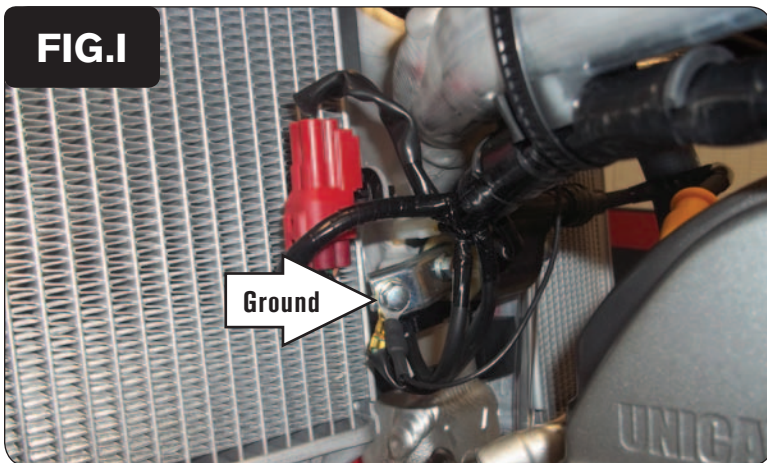
- 9 Plug the PCV in-line of the stock wiring harness and crank position sensor connector (Fig. G).



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

The GREEN wires of the PCV go to the GREEN tab of the ignition coil and the stock wire with the WHITE connector.

The RED wires of the PCV go to the BLACK tab of the ignition coil and the stock wire with the BLACK connector.



- 11 Secure the ground wire of the PCV wiring harness with the 6mm ring lug to the stock ground location (Fig. I).

This bolt is on the mounting bracket for the ignition coil in front of the engine.

- 12 Reinstall the fuel tank and seat.