

# [POWER COMMANDER V]

## FUEL AND IGNITION

### 2017 Honda CRF250L

#### 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!**

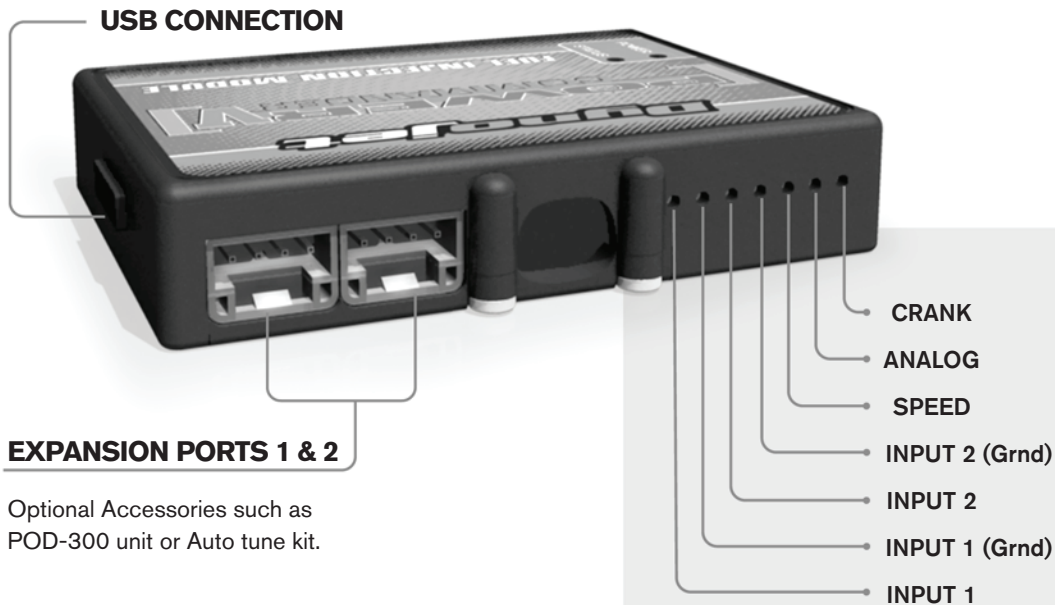
THE LATEST POWER COMMANDER SOFTWARE AND MAP FILES CAN BE DOWNLOADED FROM OUR WEB SITE AT:  
[www.powercommander.com](http://www.powercommander.com)

**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-

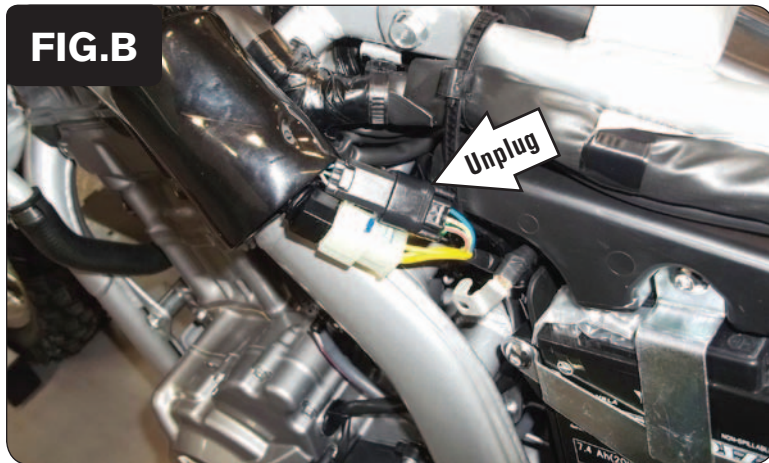
This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the control center software.

### 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.

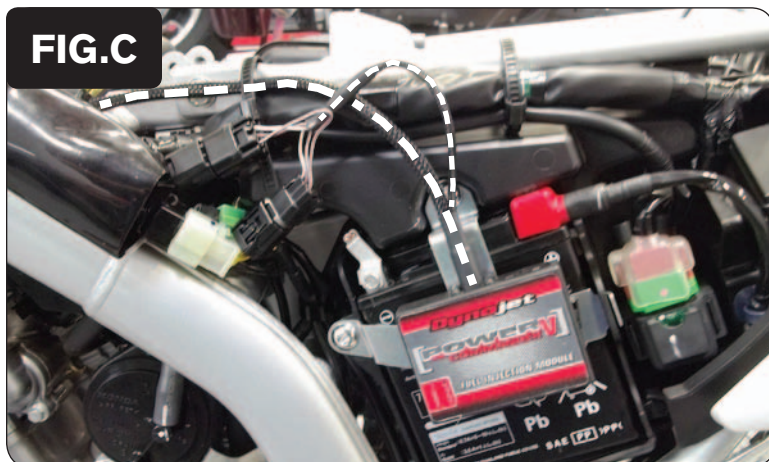


- 1 Remove the seat and remove the side covers on both sides of the bike (Fig. A).
- 2 Remove the fuel tank.



- 3 Unplug the stock Crank Position Sensor connectors (Fig. B).

*This is a BLACK 3-pin connector pair. It is located inside of a black rubber boot on the left side of the bike near the battery.*



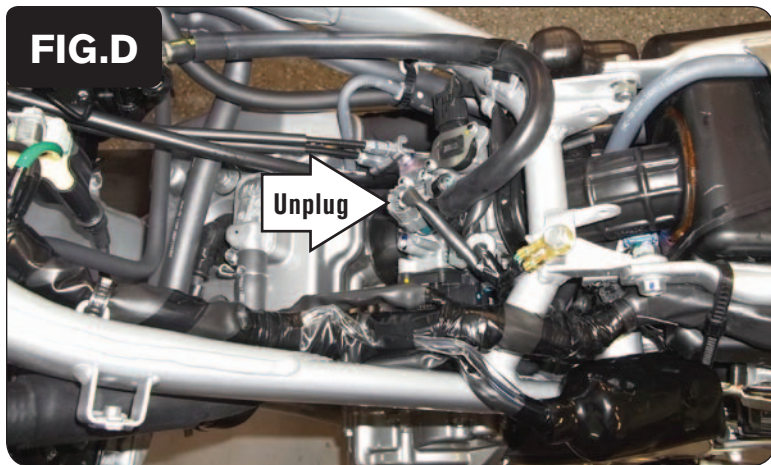
- 4 Use the supplied Velcro to secure the PCV module to the battery bracket (Fig. C).

*Clean surfaces with the supplied alcohol swab before attaching the Velcro.*

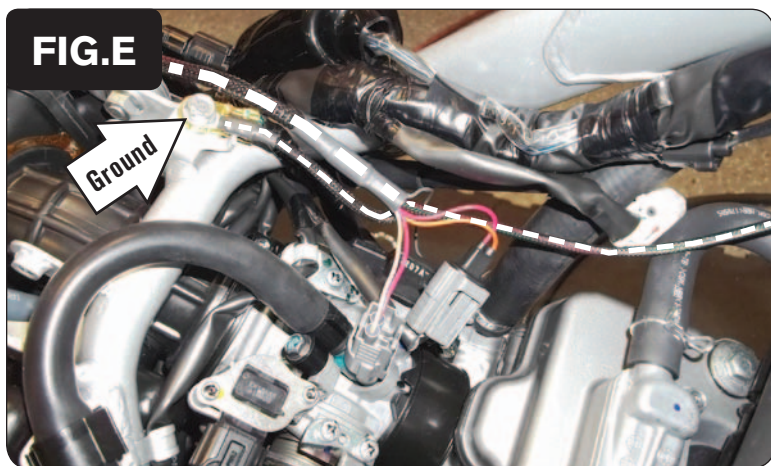
- 5 Plug the PCV wiring harness in-line of the stock Crank Position Sensor connectors.

*Store the connectors back inside of the black rubber boot.*





- 6 Unplug the Fuel Injector (Fig. D).



- 7 Plug the PCV wiring harness in-line of the Fuel Injector and the stock wiring harness (Fig. E).
- 8 Secure the PCV ground wire with the small ring terminal to the stock common ground bolt on the frame.



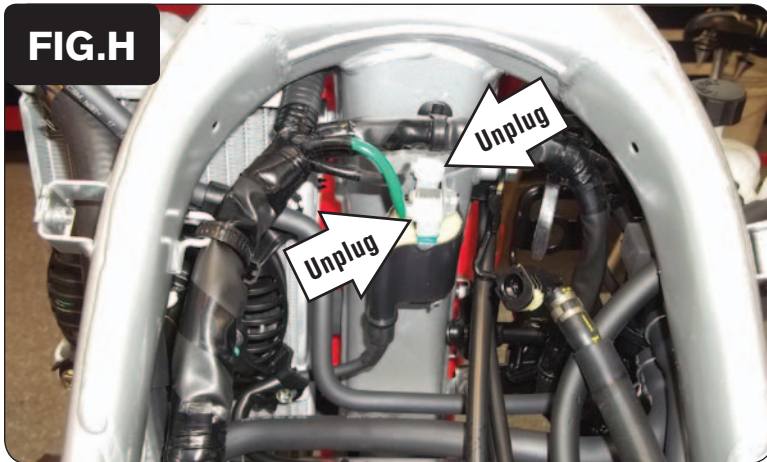
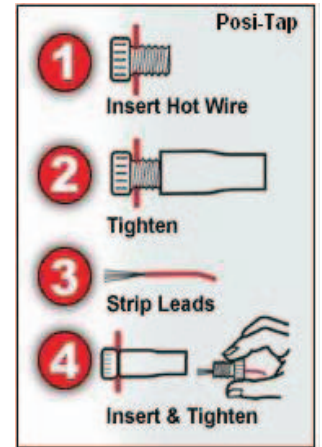
- 9 Unplug the stock connector from the TPS located on the left side of the throttle body (Fig. F).

*This connector is stored inside of a black rubber boot.*



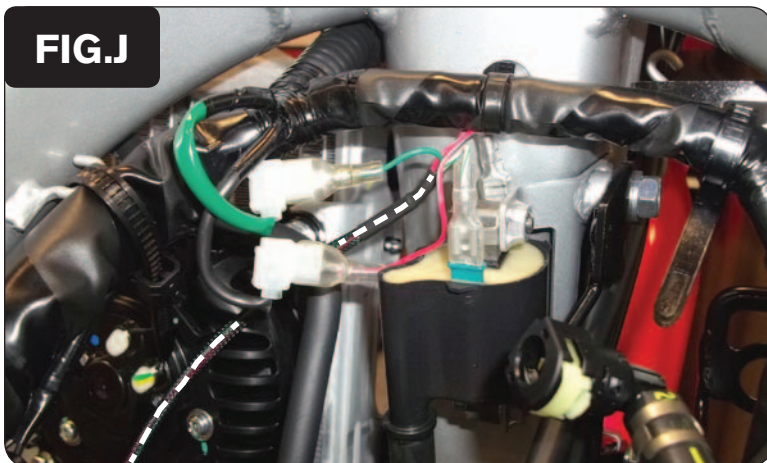
**FIG.G**

- 10 Use the supplied Posi-tap to attach the PCV GREY wire to the stock YELLOW wire of the bike's TPS connector (Fig. G).
- 11 Plug the stock connector back on to the TPS. Put the black rubber boot back over the connector.



**FIG.H**

- 12 Unplug both of the stock wires from the Ignition Coil (Fig. H).  
*Unplug the stock GREEN wire from the GREEN tab.*  
*Unplug the stock BLACK wire from the BLACK tab.*



**FIG.J**

- 13 Plug the pair of spade connectors in the PCV wiring harness with GREEN colored wires in-line of the stock GREEN wire and GREEN tab on the Ignition Coil.
- 14 Plug the pair of spade connectors in the PCV wiring harness with RED colored wires in-line of the stock BLACK wire and the BLACK tab on the Ignition Coil (Fig. J).
- 15 Reinstall the fuel tank, bodywork, and the seat.