

[POWER COMMANDER V]

FUEL AND IGNITION

2014-2017 Honda CRF250R

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!

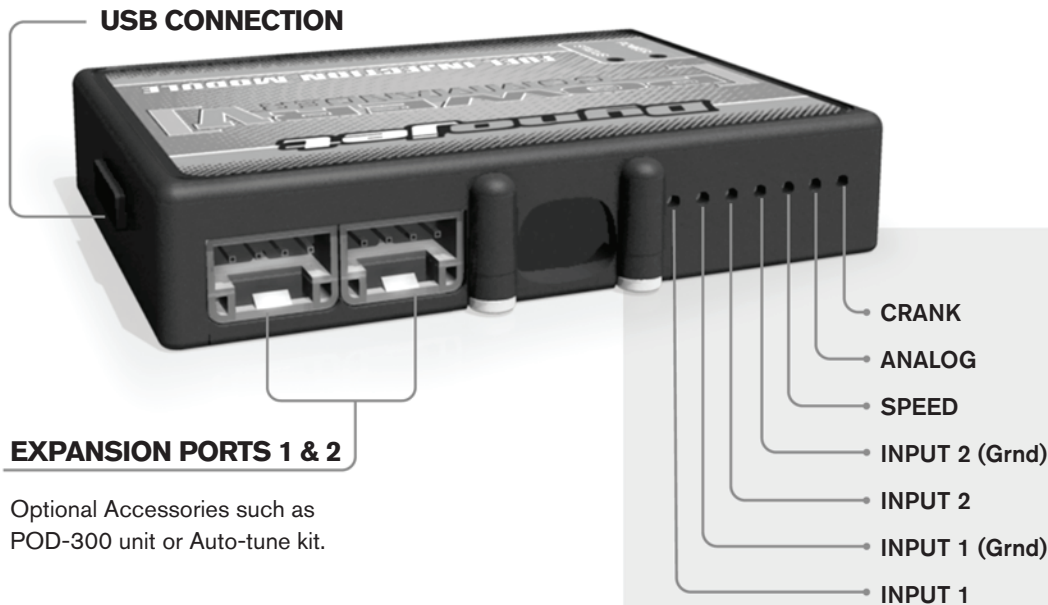
THE LATEST POWER COMMANDER SOFTWARE AND MAP FILES CAN BE DOWNLOADED FROM OUR WEB SITE AT:
www.powercommander.com

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-

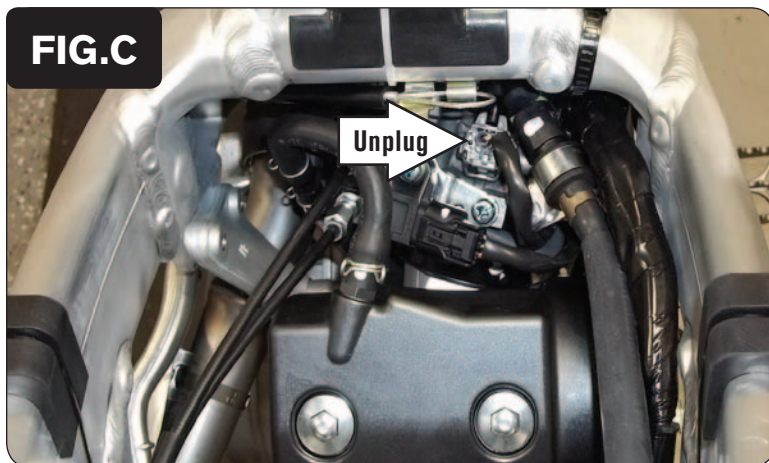
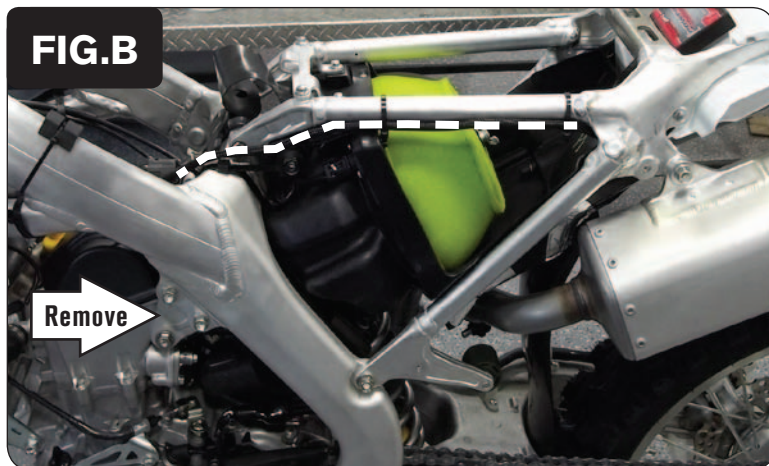
If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent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

Analog-

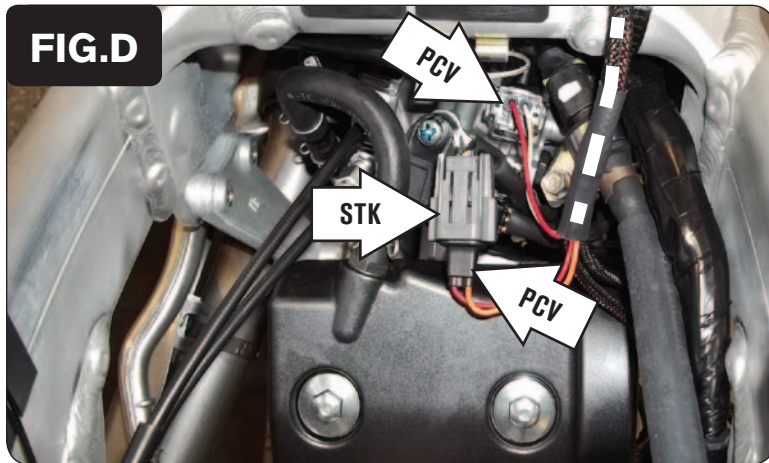
This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the control center software.

Crank-

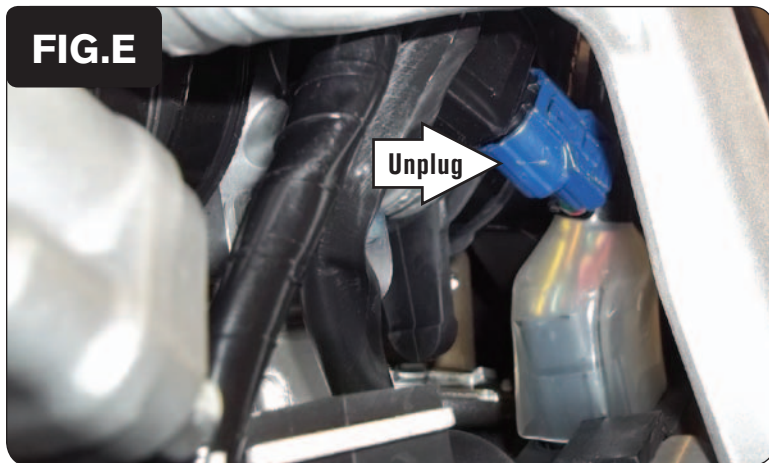
Do **NOT** connect anything to this port unless instructed to do so by Dynojet. It is used to transfer crank trigger data from one module to another.



- 1 Remove the seat, the side covers under both sides of the seat, the radiator shrouds on both sides, and the fuel tank.
- 2 Secure the PCV to the rear fender just rear of the airbox 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 Remove the left engine mount on the left side of the cylinder head to aid in routing of the harness to the TPS and Crank Position Sensor (Fig. B).
- 5 Unplug the stock Fuel Injector at the top of the throttle body (Fig. C).

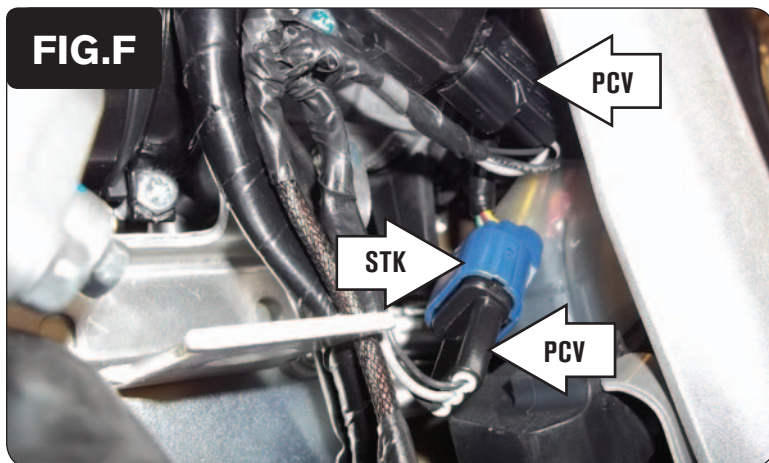


- 6 Plug the pair of PCV leads with ORANGE colored wires in-line of the Fuel Injector and the stock wiring harness (Fig. D).

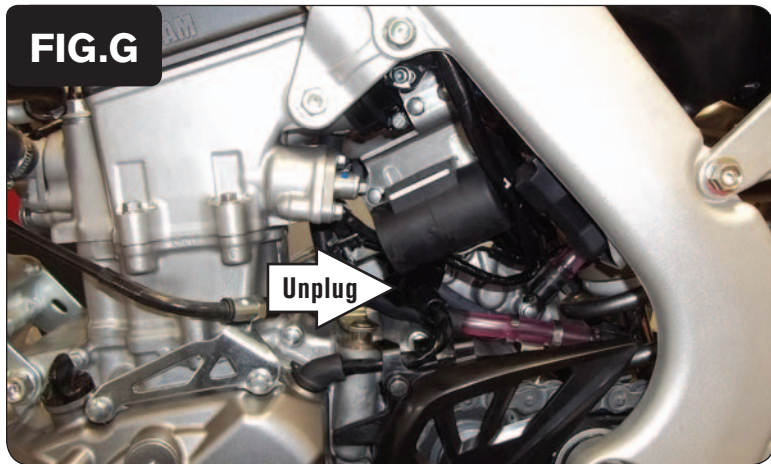


- 7 Unplug the stock wiring harness from the Throttle Position Sensor on the left side of the throttle body (Fig. E).

This is a BLUE 3-pin connector. It is located on the left side of the throttle body just to the inside of the frame.



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

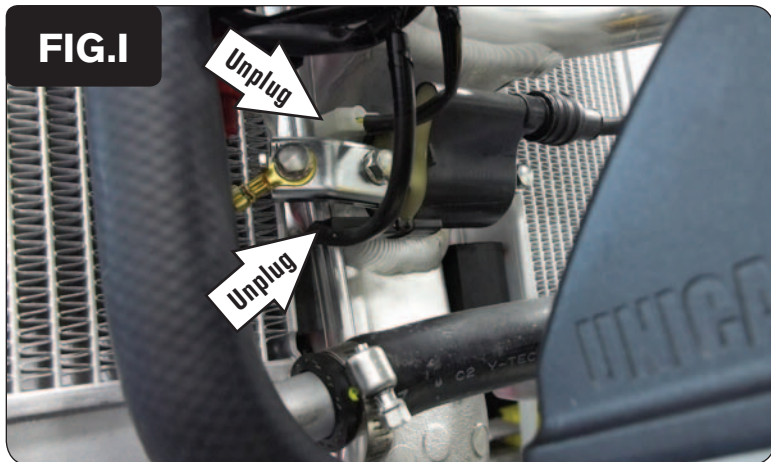


- 9 Locate and unplug the stock connectors from the bike's Crank Position Sensor (Fig. G).

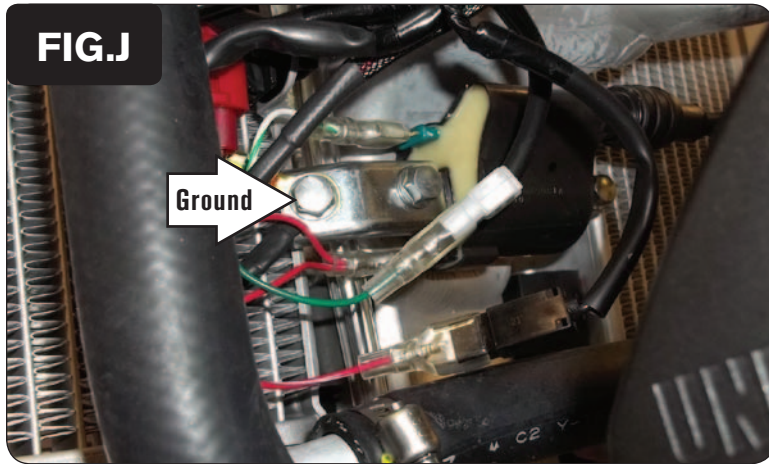
This is a pair of BLACK 6-pin connectors inside of a BLACK rubber boot just above the center of the crankcase.



- 10 Plug the PCV wiring harness in-line of the stock Crank Position Sensor connectors (Fig. H).



- 11 Unplug both of the stock coil wires (Fig. I).



- 12 Plug the pair of RED/WHITE wires of the PCV in-line of the coil and the stock BLACK wire.
- 13 Plug the GREEN and WHITE/GREEN wires of the PCV in-line of the coil and the stock YELLOW/BLUE wire.
- 14 Secure the PCV ground wire with the small ring lug to the coil mounting bolt (Fig. J).
- 15 Reinstall the fuel tank, seat, engine mount, and body work.