

[POWER COMMANDER V]

2013-2015 KTM 125 /200 Duke

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 O2 Optimizer
- 2 Zip ties

**THE IGNITION MUST BE TURNED
OFF BEFORE INSTALLATION!**

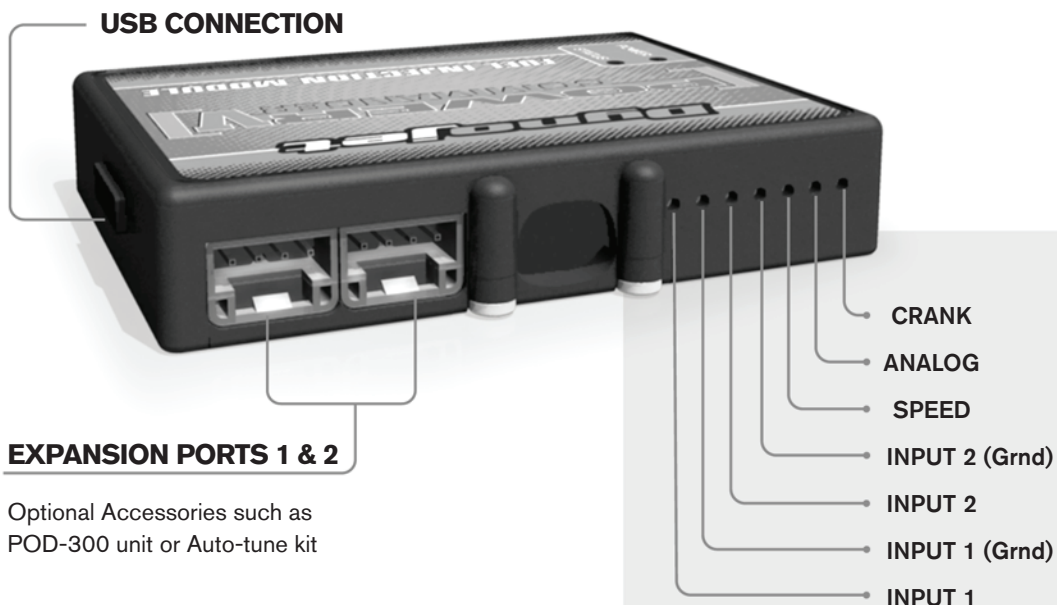
THE LATEST POWER COMMANDER
SOFTWARE AND MAP FILES CAN BE
DOWNLOADED FROM OUR WEB SITE AT:
www.powercommander.com

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



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.

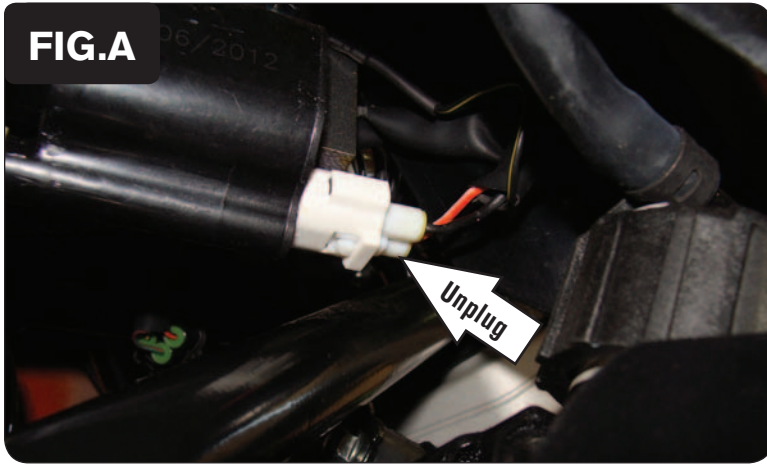
Analog-

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.

FIG.A

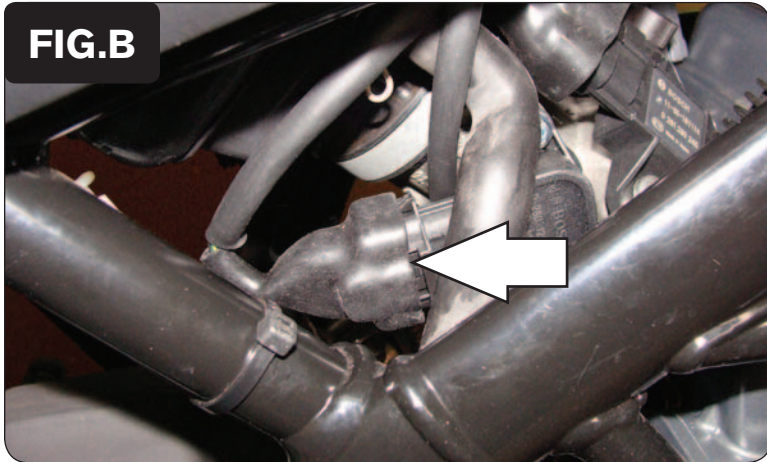


- 1 Unplug the stock wiring harness from the ignition coil (Fig. A).

This is a WHITE, 2 pin connector on the right hand side. The coil is located near the coolant reserve bottle fill.

- 2 Plug the PCV in-line of the ignition coil and wiring harness.

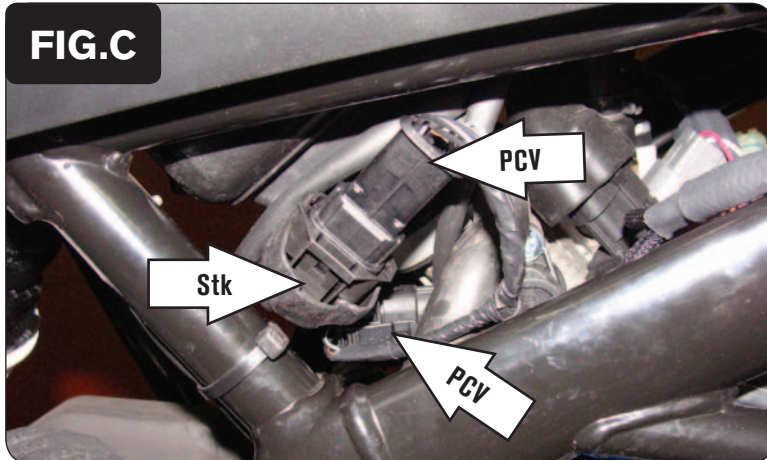
FIG.B



- 3 Unplug the stock Throttle Position Sensor connector (Fig. B).

This is a BLACK, 3 pin connector on the RH side of the throttle body.

FIG.C



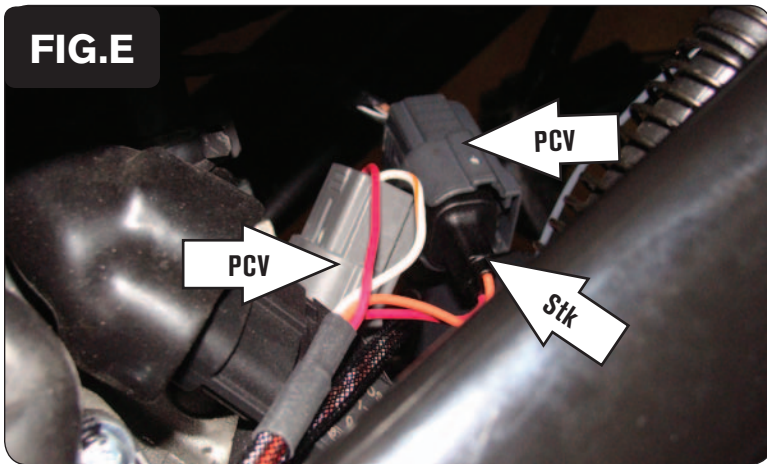
- 4 Plug the PCV in-line of the stock TPS and wiring harness (Fig. C).

FIG.D



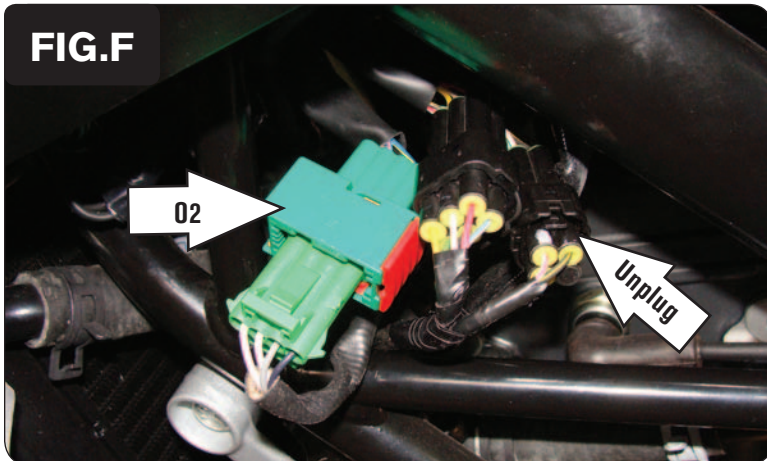
- 5 Unplug the wiring harness from the fuel injector (Fig. D).

FIG.E



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

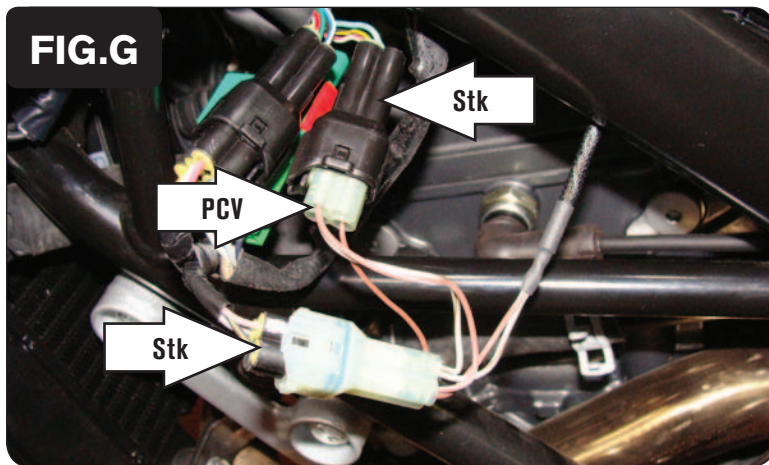
FIG.F



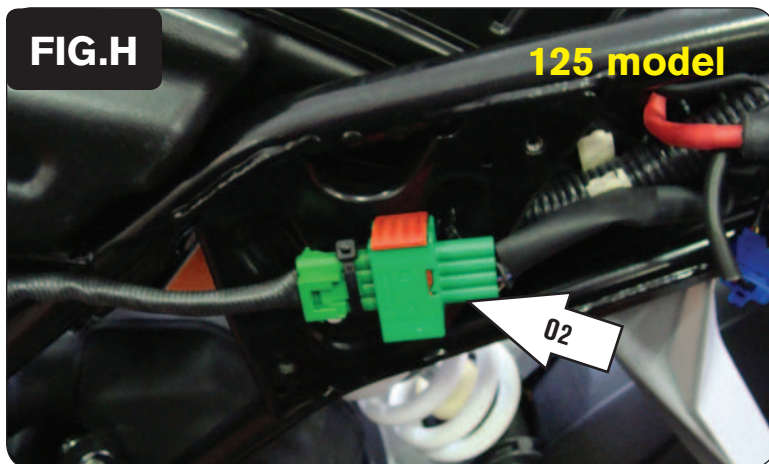
- 7 Unplug the stock crank position sensor connector (Fig. F).

This is a BLACK, 4 pin connector on the LH side.

Note: *The 125 model will not look exactly the same as the large 4 pin connector in this pic is not there.*



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



FOR THE DUKE 200 MODEL:

- 9 Locate the stock O2 sensor connection on the LH side of the motorcycle near the crank connector (See Figure F).
- 10 Unplug this connection and plug the supplied O2 Optimizer in-line.
- 11 Secure the Optimizer to the frame using the supplied zip tie.

FOR THE DUKE 125 MODEL.

- 12 Repeat steps 10-11, but the connection for this model is under the LH side cover below the seat (Fig. H)



- 13 Install the PCV in the tail section using the supplied velcro (Fig. I).
Make sure to clean both surfaces with the alcohol swab before attaching.
- 14 Attach the ground wire of the PCV to the negative side of the battery.
- 15 Reinstall bodywork.