

[POWER COMMANDER V]

2009-2013 Honda Rancher 420

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
- 1 Zip tie

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

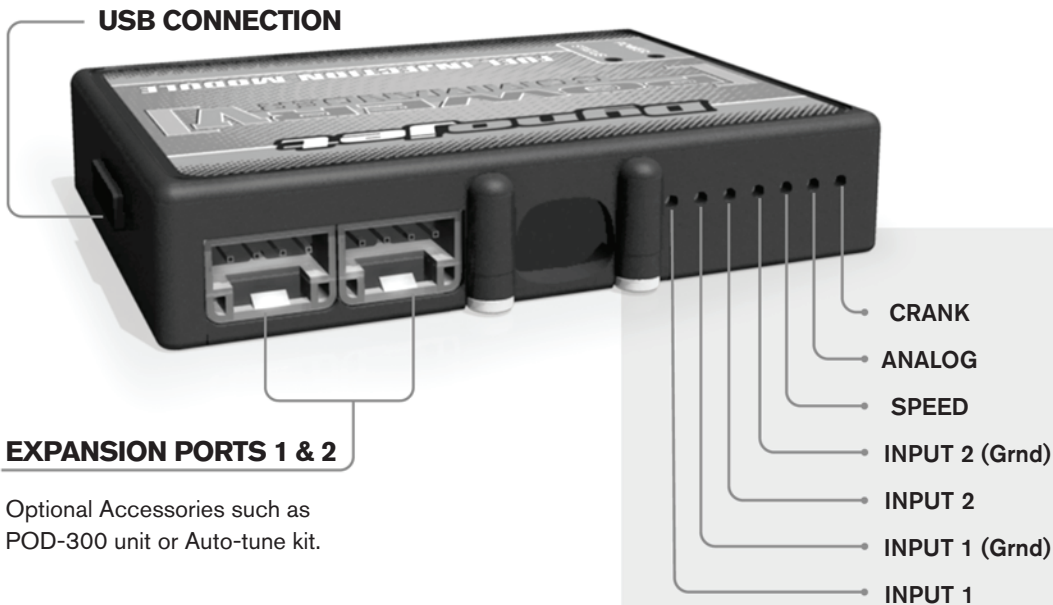
THE LATEST POWER COMMANDER
SOFTWARE AND MAP FILES CAN BE
DOWNLOADED FROM OUR WEB SITE AT:
www.powercommander.com

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-

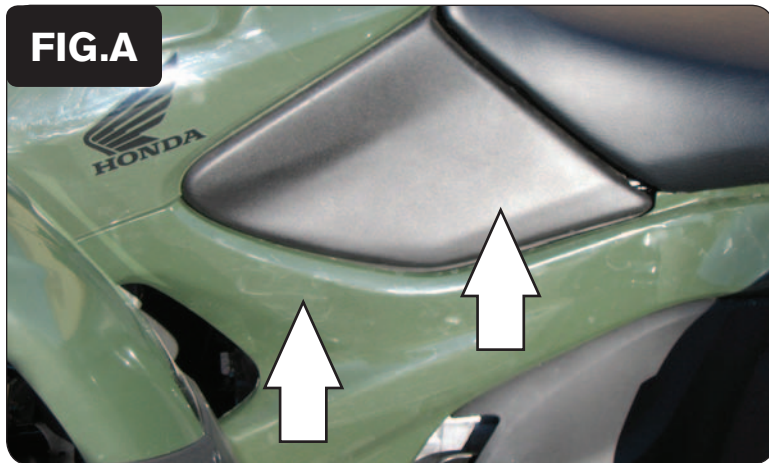
If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent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

Analog-

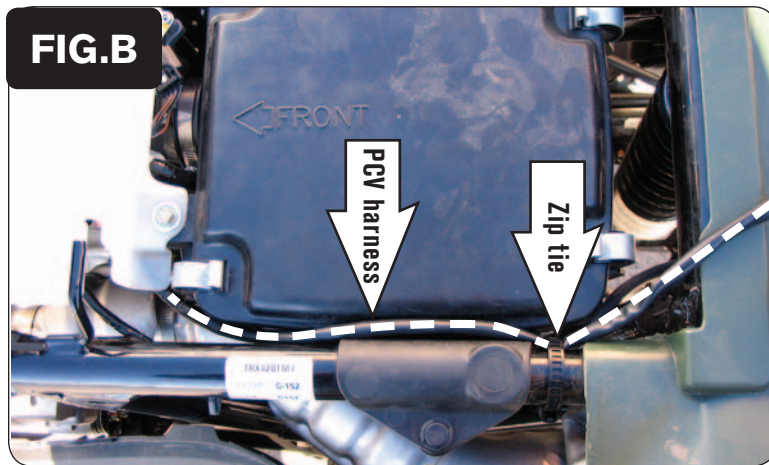
This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the control center software.

Crank-

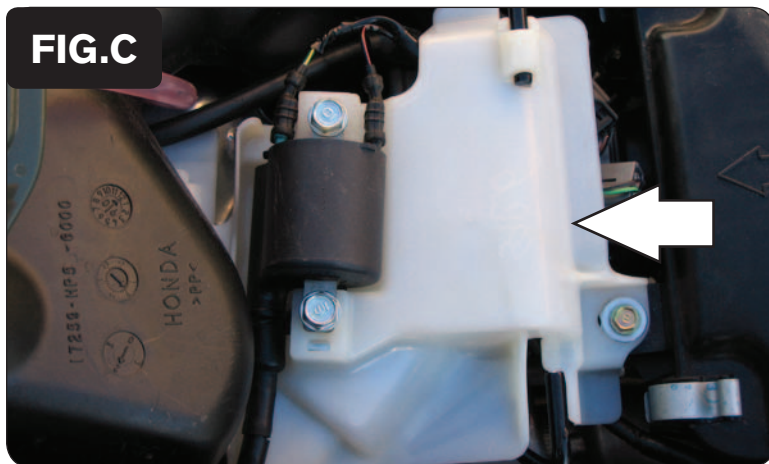
Do **NOT** connect anything to this port unless instructed to do so by Dynojet. It is used to transfer crank trigger data from one module to another.



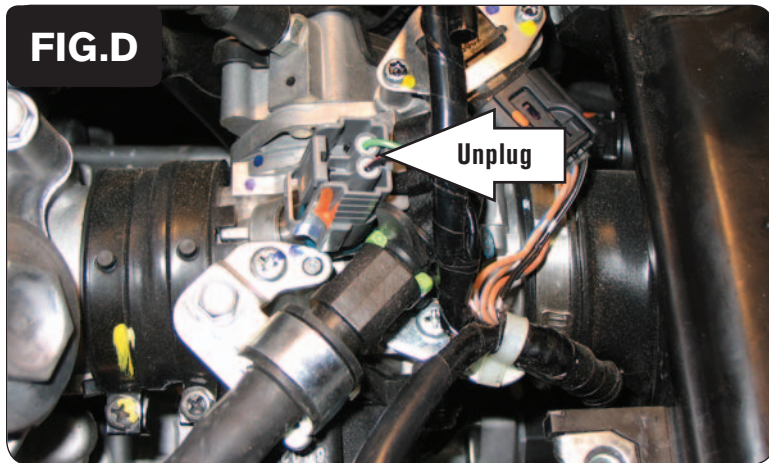
- 1 Remove the seat and black cover behind the seat.
- 2 Remove the left hand side covers (Fig. A).
- 3 Lay the PCV unit by the battery.



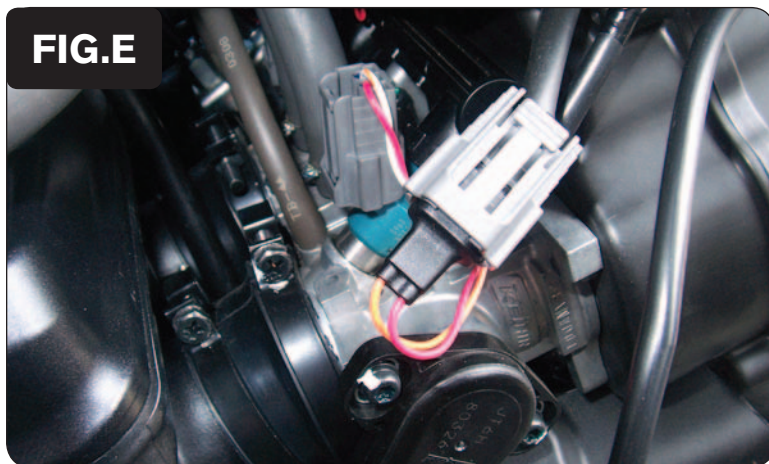
- 3 Route the PCV harness along the left hand side of the quad (Fig. B).
Use the stock zip tie to secure the PCV harness to the frame



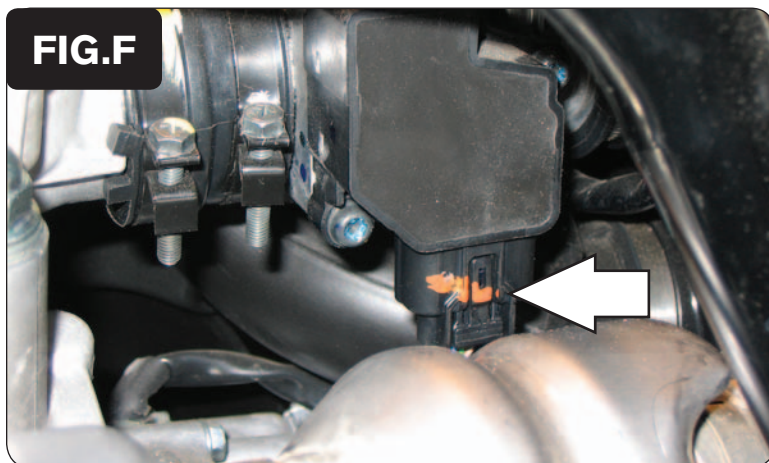
- 4 Remove the white cover over the throttle body (Fig. C).



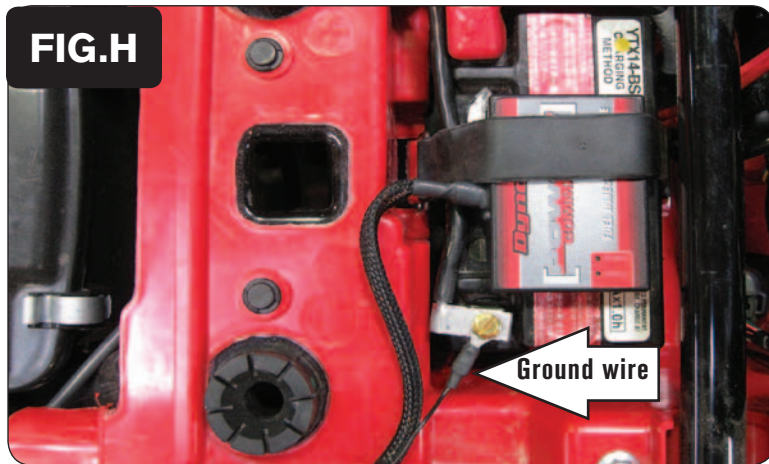
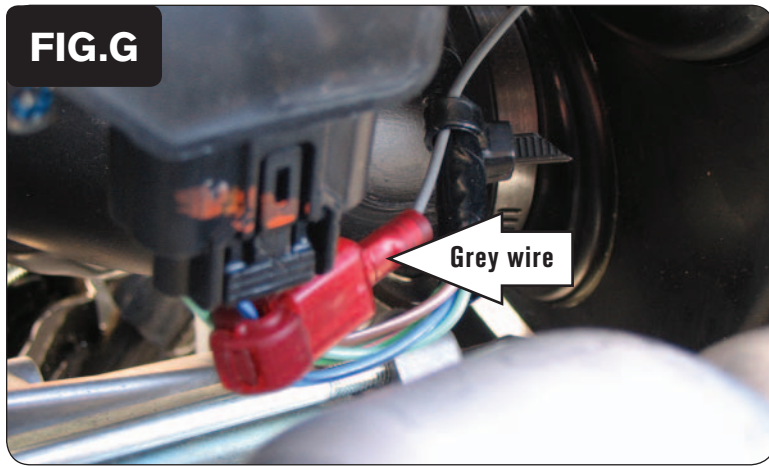
- 5 Unplug the stock wiring harness from the injector (Fig. D).



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



- 7 Locate the Throttle Position Sensor on the left hand side of the throttle body.
- 8 Unplug the stock wiring harness from the TPS (Fig. F) to gain access to the wires.

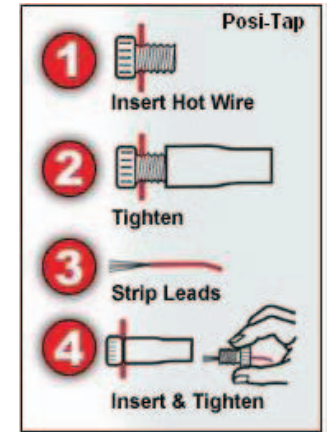


- 9 Attach the supplied Posi-tap to the BLUE/BLACK wire of the TPS harness (Fig. G).
- 10 Plug the GREY wire from the PCV to the wire tap (Fig. G).

It is recommended to use dielectric grease on these connections.

The wire tap shown in Figure G is not a Posi-tap; but an older, crimp-on style wire tap.

- 11 Plug the stock wiring harness back onto the TPS.
- 12 Use the supplied zip tie to secure the GREY wire from the PCV to the stock wiring harness.



- 13 Secure the PCV to the top of the battery using the stock battery strap (Fig. H).
- 14 Attach the ground wire from the PCV to the negative side of the battery (Fig. H).
- 15 Reinstall covers and seat.