

# [POWER COMMANDER V]

## FUEL AND IGNITION

**2012-2013 Honda Foreman 500**

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
- 3 Posi-taps

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

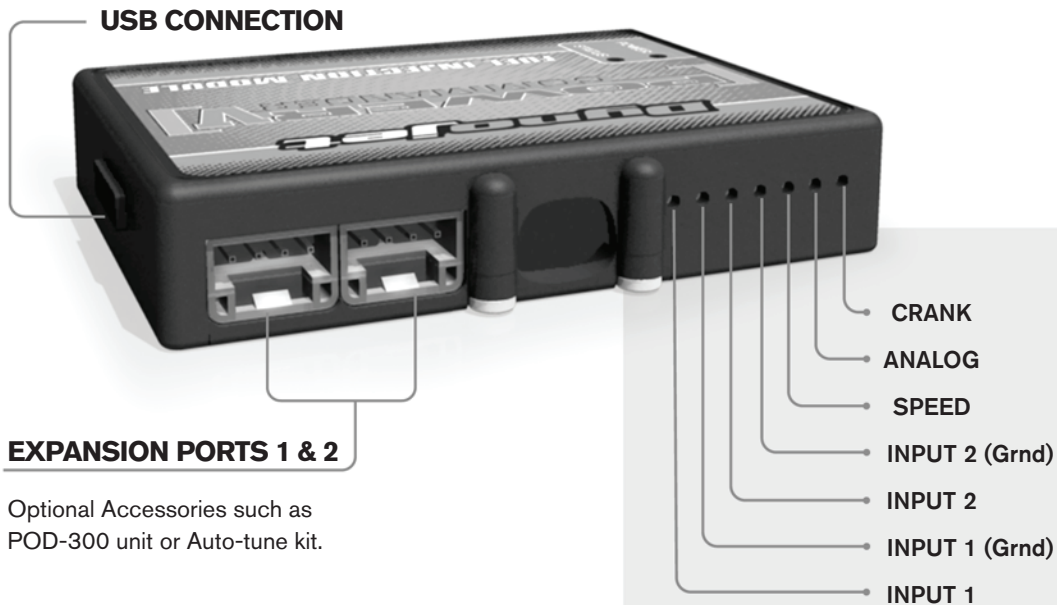
THE LATEST POWER COMMANDER  
SOFTWARE AND MAP FILES CAN BE  
DOWNLOADED FROM OUR WEB SITE AT:  
[www.powercommander.com](http://www.powercommander.com)

**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)

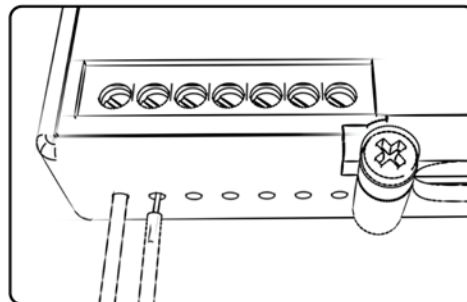
# POWER COMMANDER V INPUT ACCESSORY GUIDE



## 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-

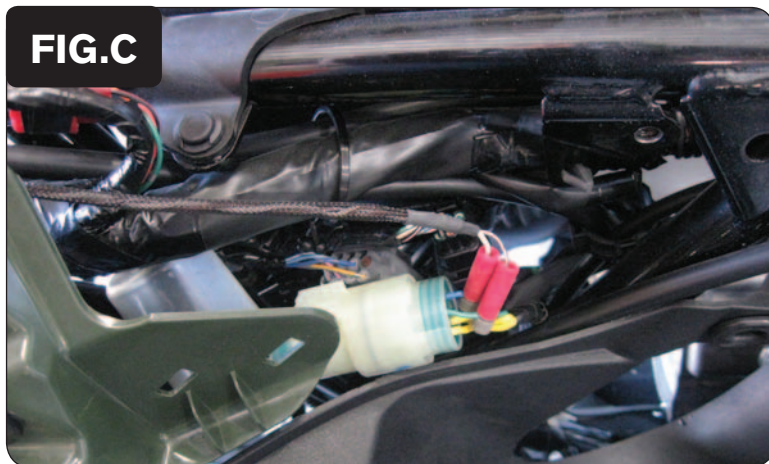
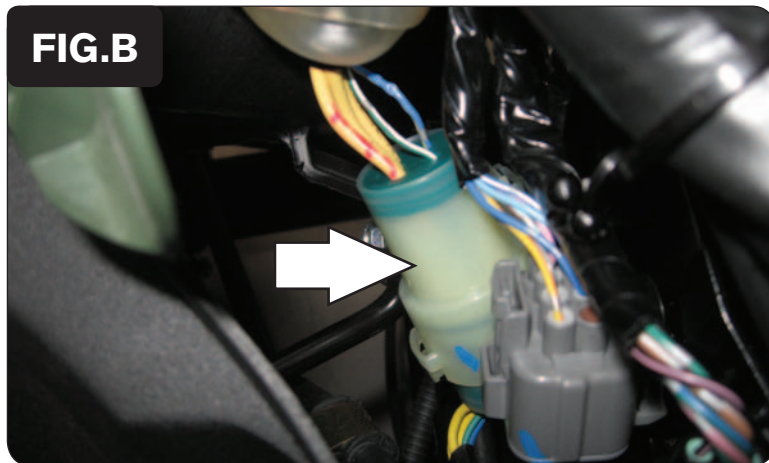
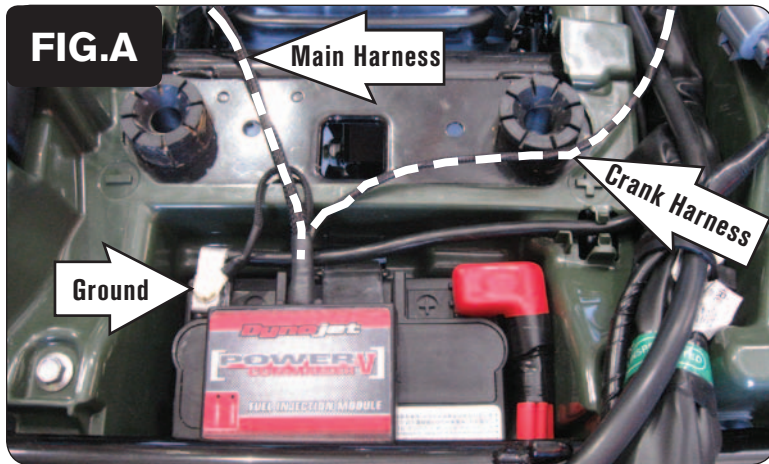
If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent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



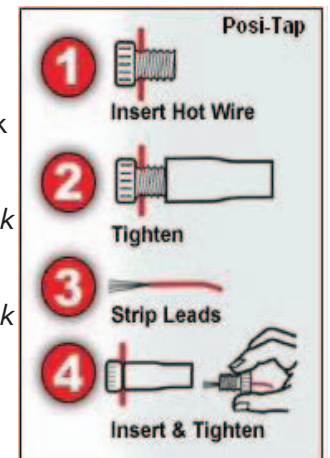
- 1 Remove the seat.
- 2 Remove the right and left hand side covers.
- 3 Use the supplied velcro to attach the PCV module to the top of the battery as shown in Figure A.  
*Use the supplied alcohol swab to clean both surfaces prior to applying the velcro.*
- 4 Secure the ground wire of the PCV to the negative terminal of the battery (Fig. A).
- 5 Route the main branch of the PCV wiring harness towards the front of the ATV following the left side frame tube. The smaller branch of the wiring harness with the Crank Position Sensor wires (BROWN/WHITE & WHITE/BROWN) can route up the right hand frame tube.

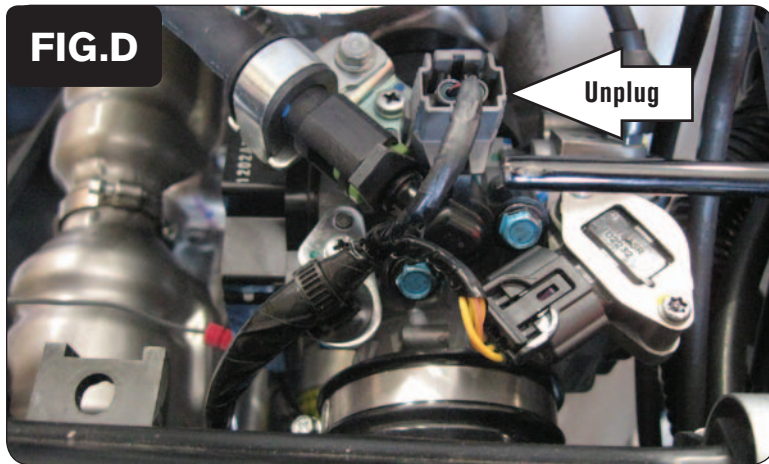
- 6 Locate the connector for the ATV's Crank Position Sensor on the right hand side of the ATV (Fig. B).

- 7 Use 2 of the supplied Posi-taps to tap the PCV Crank Position Sensor wires to the stock wires for the CPS.

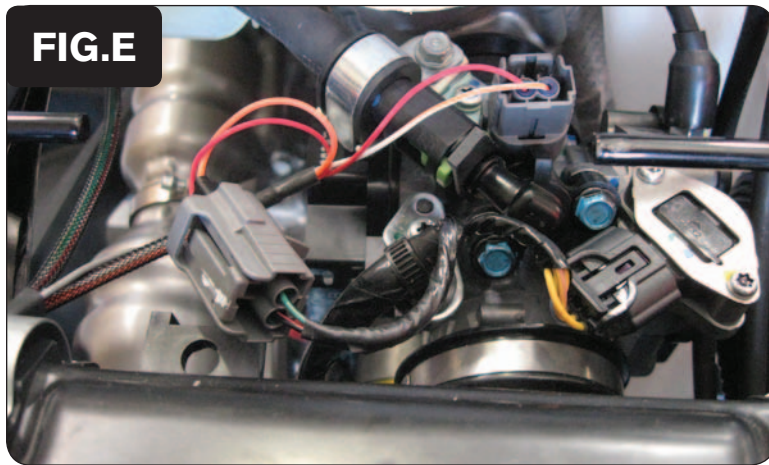
*Tap the WHITE/BROWN wire of the PCV to the stock BLUE/YELLOW crank wire.*

*Tap the BROWN/WHITE wire of the PCV to the stock GREEN/WHITE crank wire.*

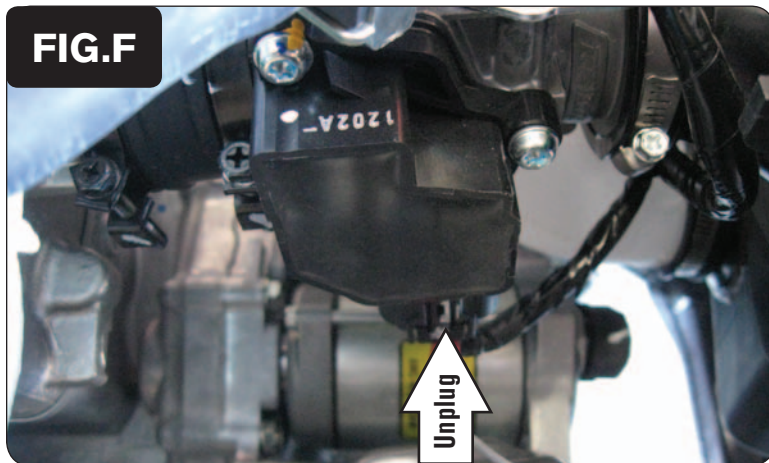




- 8 Locate and unplug the stock wiring harness from the ATV's fuel injector (Fig. D).



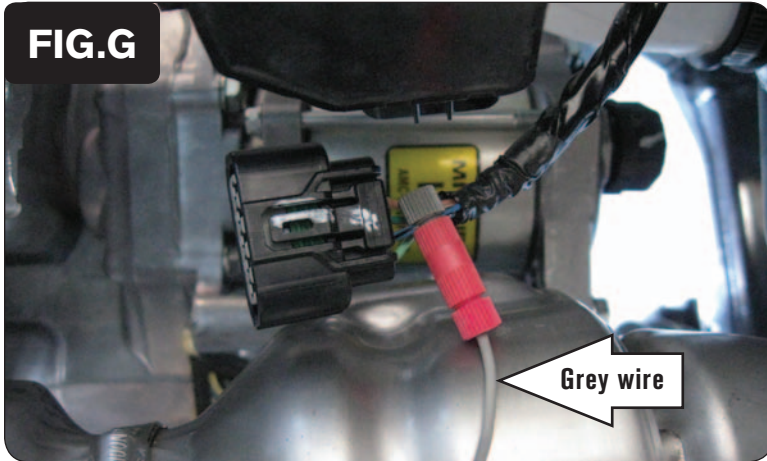
- 9 Plug the PCV connectors in-line of the fuel injector and the stock wiring harness (Fig. E).



- 10 Locate and unplug the stock wiring harness from the ATV's Throttle Position Sensor (Fig. F).

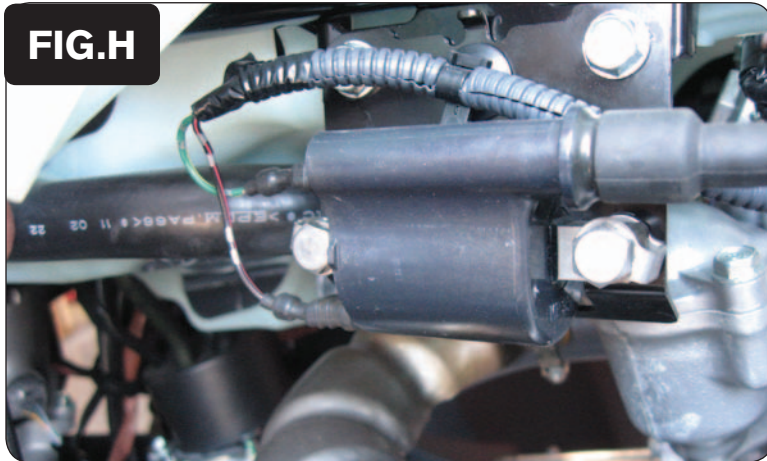
*The TPS is located on the left hand side of the throttle body.*

**FIG.G**



- 11 Use the one of the supplied Posi-taps to tap the GREY wire of the PCV wiring harness to the stock BLUE/BLACK wire of the TPS (Fig. G).
- 12 Plug the stock TPS wiring harness back on to the TPS.

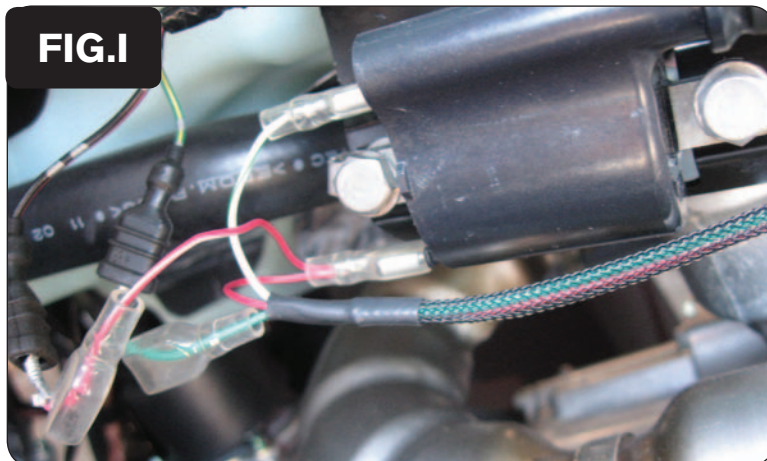
**FIG.H**



- 13 Locate and unplug the stock wiring harness from the ATV's ignition coil (Fig. H).

*The ignition coil can be found under the left hand frame tube by the engine head.*

**FIG.I**



- 14 Plug the PCV wiring harness with GREEN colored wires in-line of the stock GREEN/YELLOW wire and the coil.
- 15 Plug the PCV wiring harness with RED colored wires in-line of the stock BLACK/RED wire and the coil (Fig. I).
- 16 Reinstall both side covers and the seat.