

[POWER COMMANDER V]

FUEL and IGNITION

2014 Yamaha Viking 700

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

THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION!

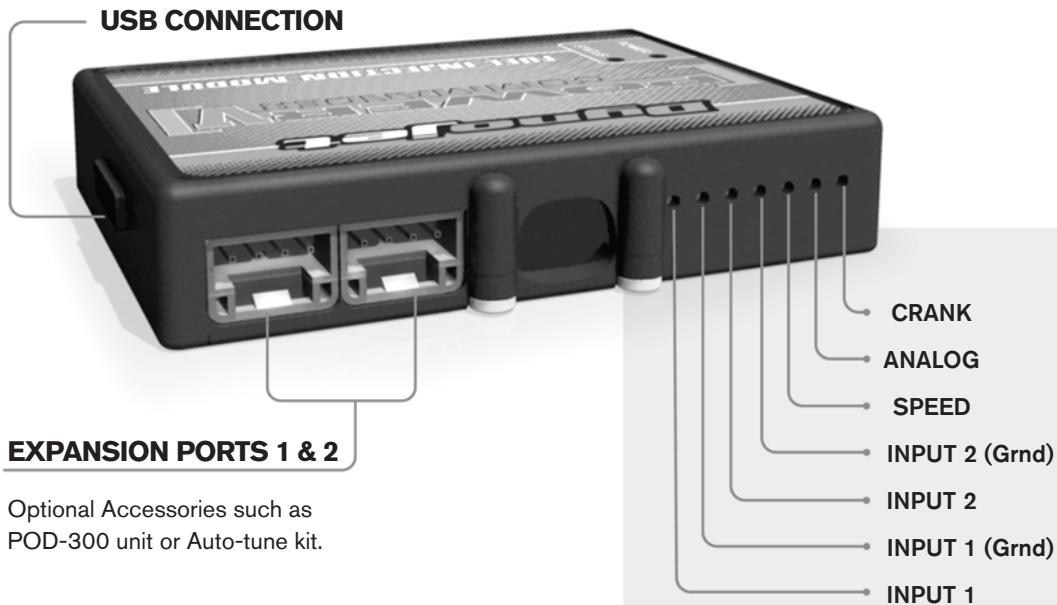
THE LATEST POWER COMMANDER SOFTWARE AND MAP FILES CAN BE DOWNLOADED FROM OUR WEB SITE AT:
www.powercommander.com

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-

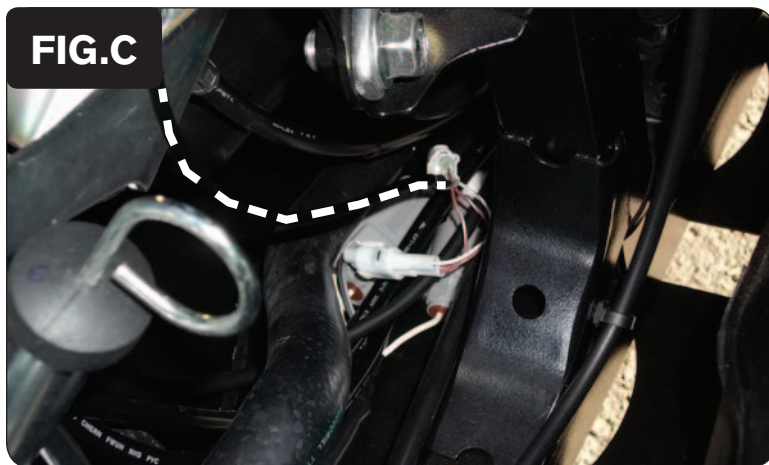
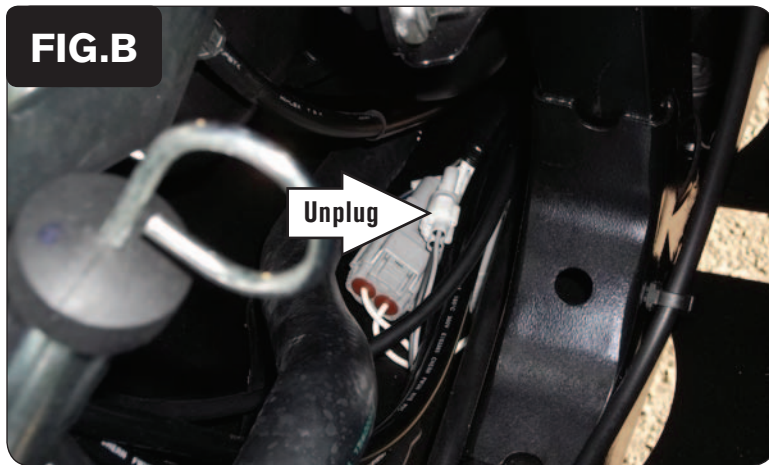
If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent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

Analog-

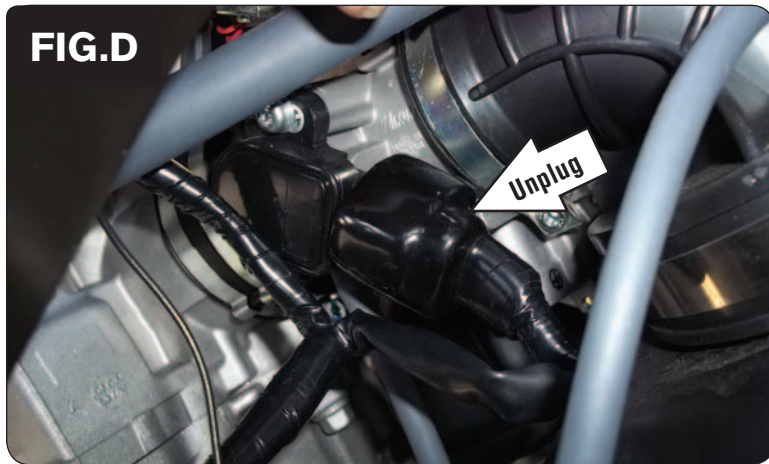
This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the control center software.

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 right most passenger seat.
- 2 Loosen the right most passenger seat chair back.
You can remove the 2 rear bolts and just loosen the front 2. This should allow you enough room to put the PCV module on the firewall just below the chair back.
- 3 Use the supplied Velcro strips to secure the PCV module to the firewall below the right most passenger seat chair back (Fig. A).
Clean the surface with the supplied alcohol swab prior to applying the Velcro.
- 4 Route the PCV wiring harness towards the engine through the hole in the firewall for the seat belt buckles.
- 5 Lift the cargo bed to access the engine.
- 6 Locate and unplug the stock connectors for the engine's Crank Position Sensor (Fig. B).
This is a pair of WHITE 2-pin connectors. This connector pair is located on the skid pan forward of the right side of the engine.
- 7 Route the PCV wiring harness branch with the WHITE 2-pin connectors to the stock Crank Position Sensor connectors and plug them in-line with the stock connectors (Fig. C).

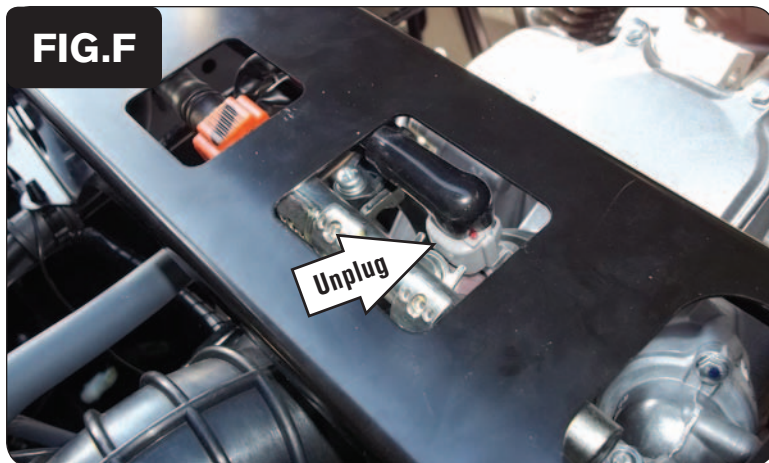


- 8 Route the PCV wiring harness branch with the pair of 2-pin connectors and the pair of 3-pin connectors towards the throttle body.
- 9 Locate and unplug the stock connector from the vehicle's Throttle Position Sensor (Fig. D).

The TPS is located on the right side of the throttle body.



- 10 Plug the pair of 3-pin connectors of the PCV wiring harness in-line of the TPS and the stock connector (Fig. E).

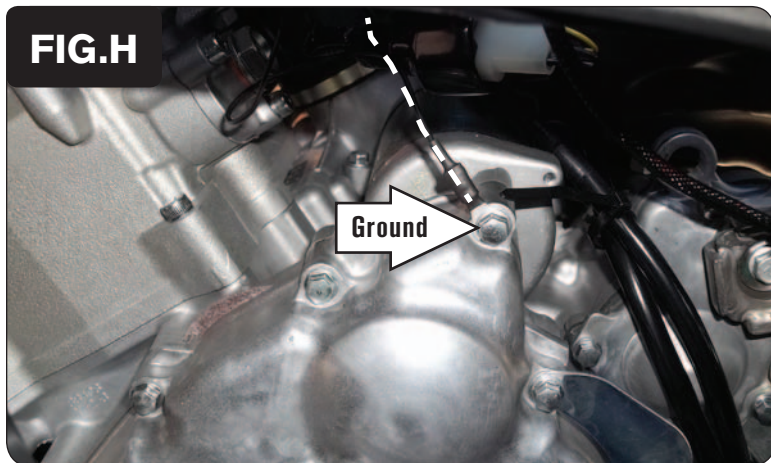


- 11 Locate and unplug the stock connector from the vehicle's fuel injector (Fig. F).

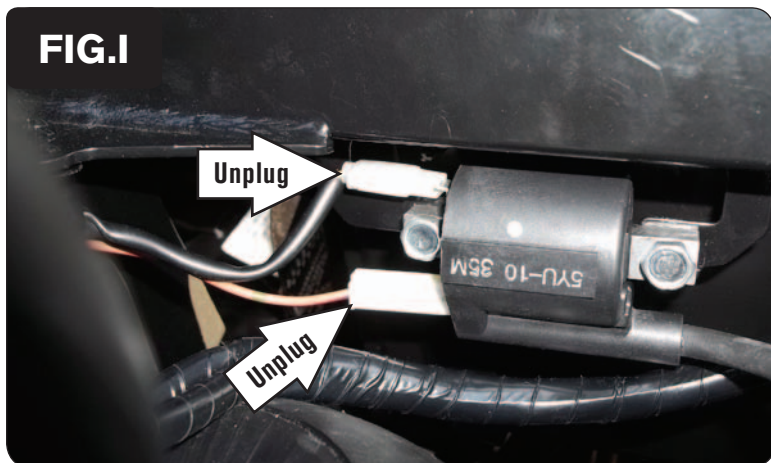
The fuel injector is located directly on top of the throttle body.



- 12 Plug the pair of 2-pin connectors from the PCV wiring harness in-line of the fuel injector and the stock connector (Fig. G).



- 13 Secure the PCV ground wire with the ring lug to the engine case bolt shown in Figure H on the right side of the engine.

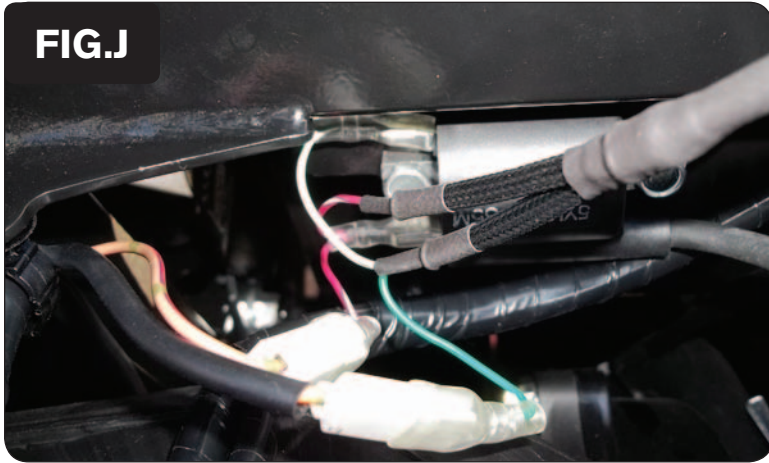


- 14 Route the PCV wiring harness branch that has single wires with spade connectors towards the vehicle's Ignition Coil.

The Ignition Coil is located directly behind the driver's seat.

- 15 Unplug the stock coil wires (Fig. I).

FIG.J



- 16 Plug the pair of GREEN and WHITE/GREEN leads of the PCV wiring harness in-line of the stock ORANGE coil wire and the upper coil tab.
- 17 Plug the pair of RED/WHITE leads of the PCV wiring harness in-line of the stock BROWN/RED wire and the lower coil tab.
- 18 Reinstall the right side passenger seat and lower the cargo bed.