

[POWER COMMANDER V]

FUEL AND IGNITION

2014 Yamaha Grizzly 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!**

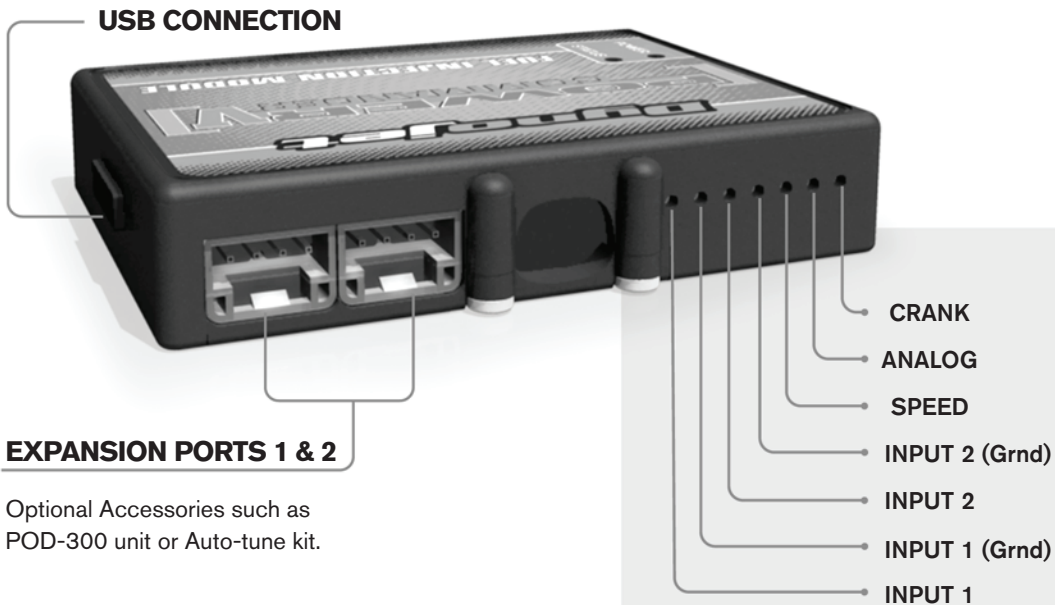
THE LATEST POWER COMMANDER
SOFTWARE AND MAP FILES CAN BE
DOWNLOADED FROM OUR WEB SITE AT:
www.powercommander.com

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-

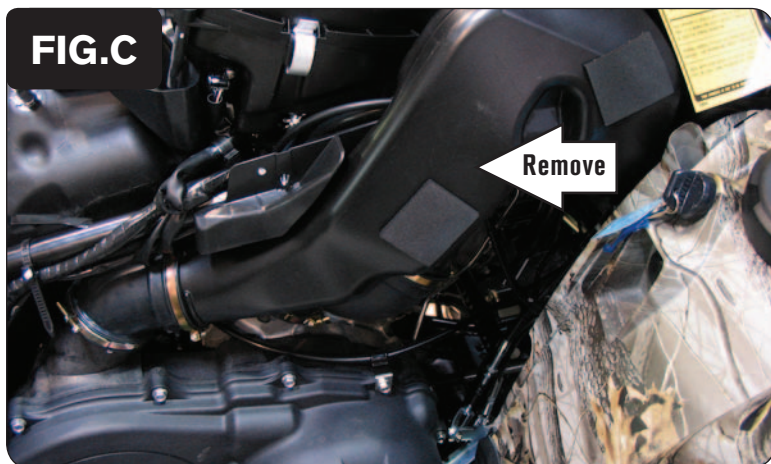
If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent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

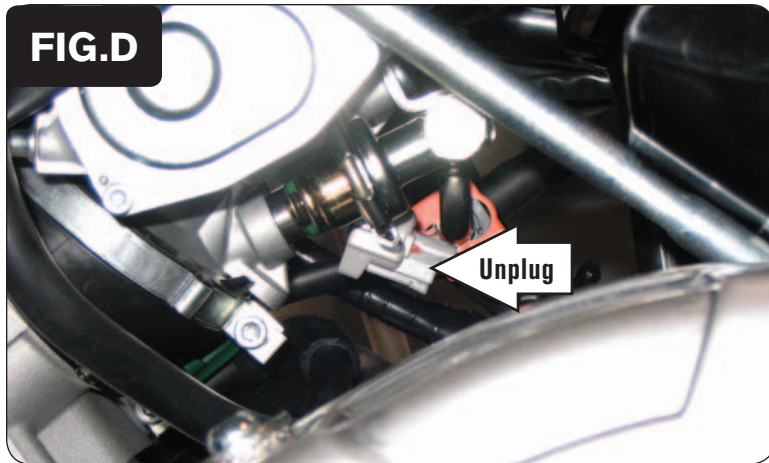
Crank-

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 seat.
- 2 Remove the front cover (Fig. A).
- 3 Remove the right hand side cover (Fig. B) and the same cover on the left side.
- 4 Remove the intake tube for the CVT clutch on the right hand side of the quad (Fig. C).

This allows access to the Throttle Position Sensor.

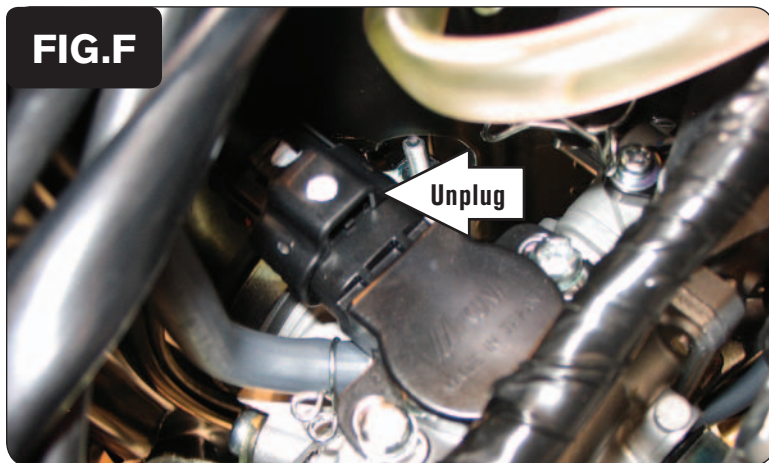


- 5 Unplug the stock wiring harness from the injector (Fig. D).

Figure D was taken from the left hand side of the quad.



- 6 Place the PCV in the battery area temporarily.
- 7 Route the PCV harness down the right hand side of the Quad towards the throttle body.
- 8 Plug the PCV in-line of the stock wiring harness and injector (Fig. E).



- 9 Locate the Throttle Position Sensor on the right hand side of the throttle body.
- 10 Unplug the stock wiring harness from the TPS (Fig. F).



- 11 Plug the wiring harness from the PCV in-line of the stock wiring harness and TPS (Fig. G).

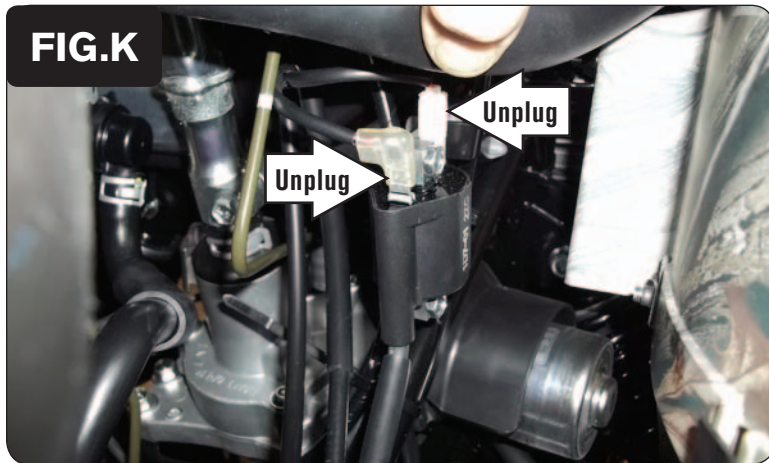


- 12 Locate and unplug the stock connectors from the Crank Position Sensor (Fig. H).

This is a pair of WHITE 2-pin connectors on the right side of the engine, just above the CVT clutch belt housing.

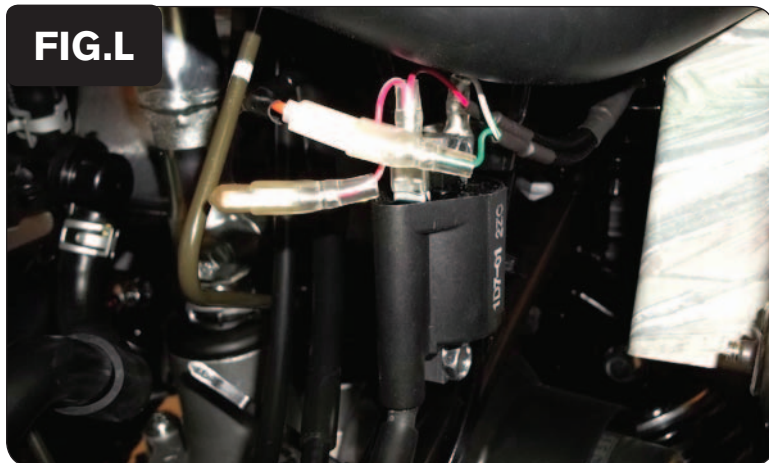


- 13 Plug the WHITE 2-pin connectors from the PCV wiring harness in-line of the stock Crank Position Sensor connectors (Fig. J).

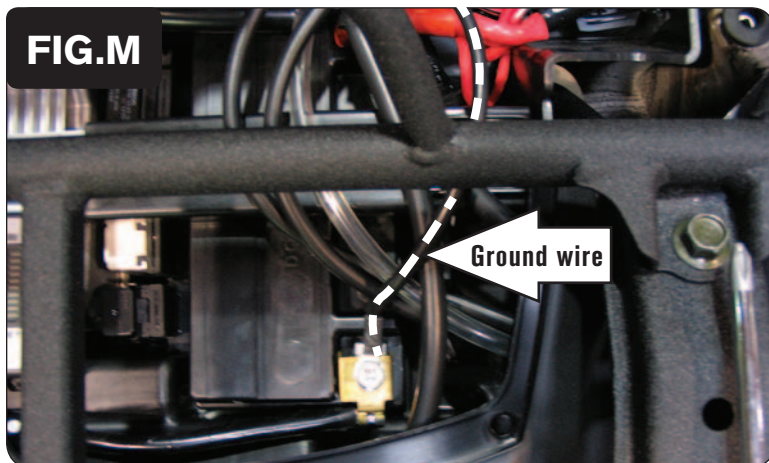


- 14 Locate the ignition coil on the right side of the quad, forward of the engine; and unplug the 2 stock coil wires (Fig. K).

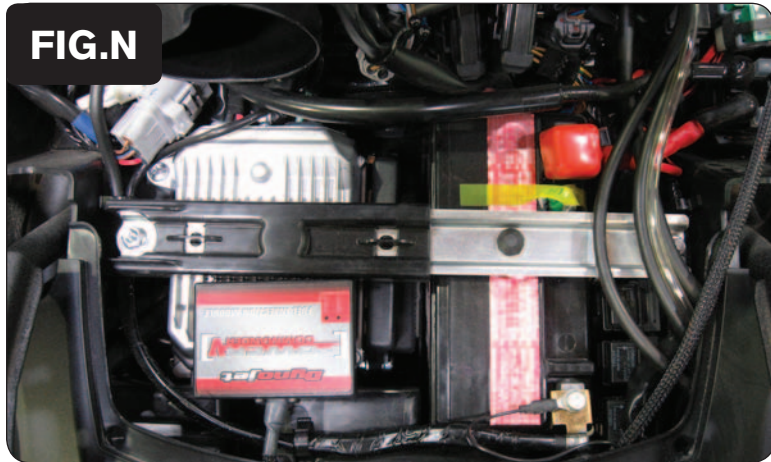
The coil has 1 RED/BLACK wire and 1 ORANGE wire.



- 15 Plug the GREEN and WHITE/GREEN wires of the PCV wiring harness in-line of the coil and the stock ORANGE wire.
- 16 Plug the RED/WHITE wires of the PCV wiring harness in-line of the coil and the stock RED/BLACK wire (Fig. L).



- 17 Attach the ground wire from the PCV to the negative side of the battery (Fig. M).



- 18 Install the included port covers onto your PCV.
- 19 Secure the PCV near the battery using the supplied Velcro (Fig. N).
Make sure to use the alcohol swab to clean both surfaces before attaching.
- 20 Reinstall the intake tube for the CVT clutch, the bodywork, and the seat.