[POWER COMMANDER V]

2006-2014 Yamaha Raptor 700

Installation Instructions

PARTS LIST

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1	USB Cable
1	Installation Guide
2	Power Commander Decals
2	Dynojet Decals
1	Alcohol swab
2	Velcro strips

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

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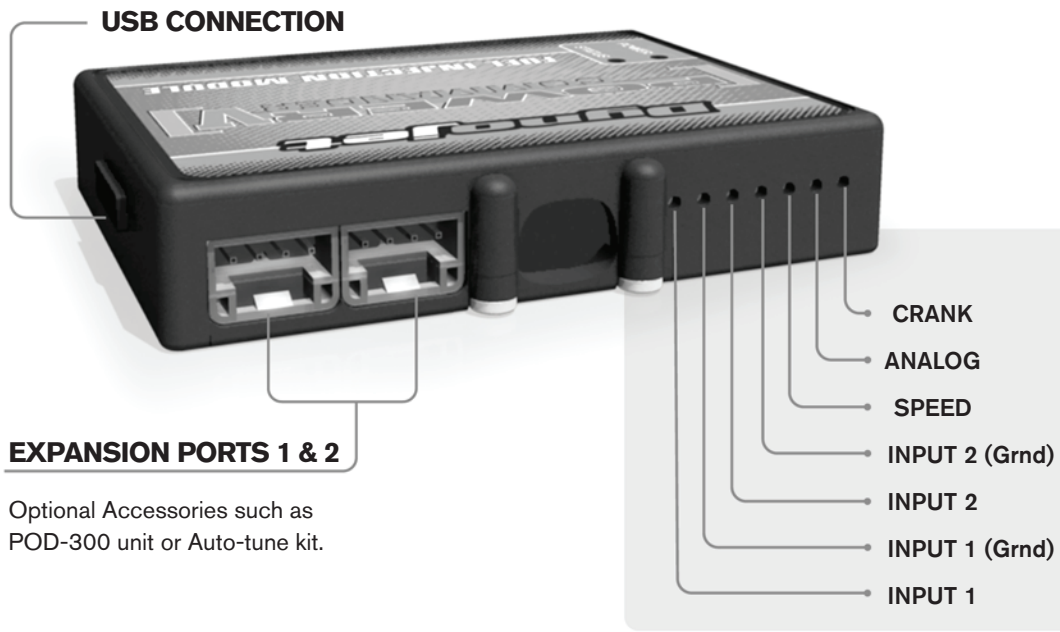
POWER COMMANDER V
INPUT ACCESSORY GUIDE

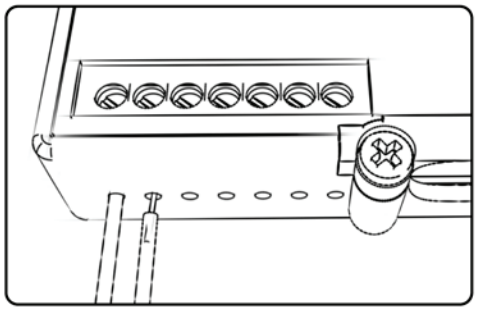


Optional Accessories such as POD-300 unit or Auto-tune kit.

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 is 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

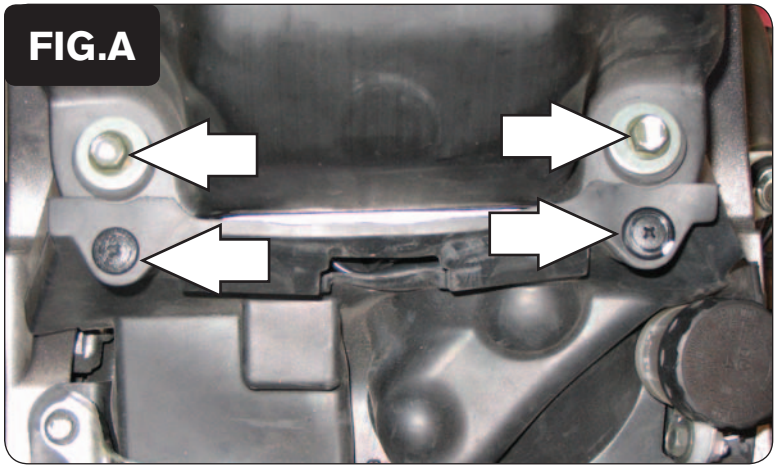
Map - (Input 1 or 2) The PCV has the ability to hold 2 different base maps. You can switch on the fly between these two base maps when you hook up a switch to the MAP inputs. You can use any open/close type switch. The polarity of the wires is not important. When using the Autotune kit one position will 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.)

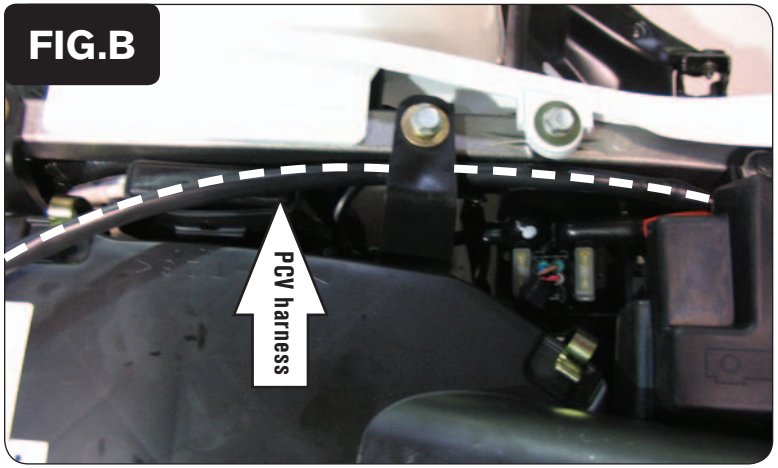
Shifter- (Input 1 or 2) These inputs are for use with the Dynojet quickshifter. Insert the wires from the Dynojet quickshifter into the SHIFTER inputs. The polarity of the wires is not important. (Set to Switch Input #2 by default.)

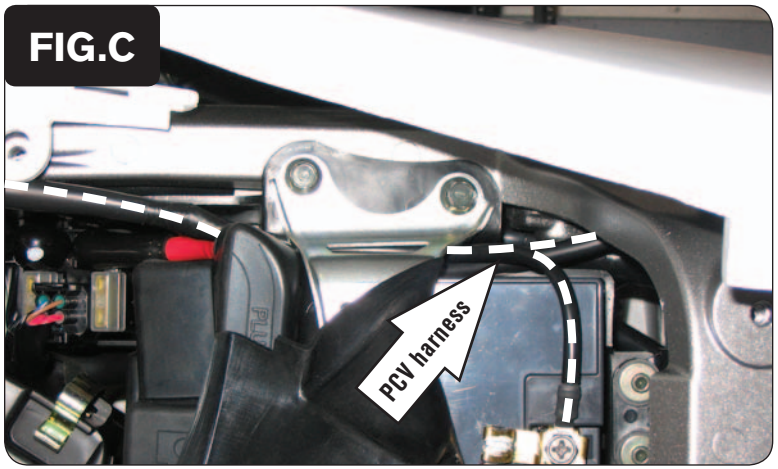
Speed- If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent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

3 Remove the 4 fuel tank mounting bolts and 2 push pins (Fig. A shows the rear 2 mounting bolts and the two push pins).

*The fuel tank needs to be raised up to access the throttle body. You do **NOT** have to disconnect the wiring harness or the fuel line from the fuel tank.*

4 Route the PCV wiring harness from the rear of the quad to the throttle body going along the left hand side of the frame.

Route the harness behind the air box mounting tab (Fig. B).

5 Route the PCV wiring harness between the battery and the battery bracket (Fig. C). Continue routing the PCV harness underneath the frame and go to the throttle body.

6 Attach the ground wire of the PCV to the negative side of the battery (Fig.C).

FIG.D

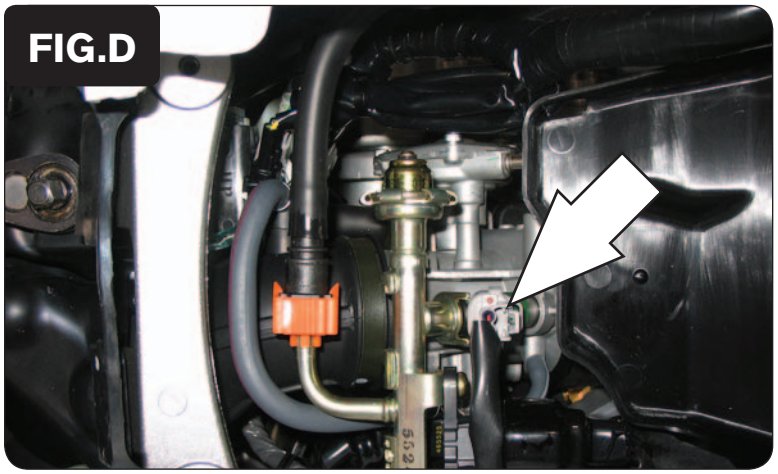


FIG.E

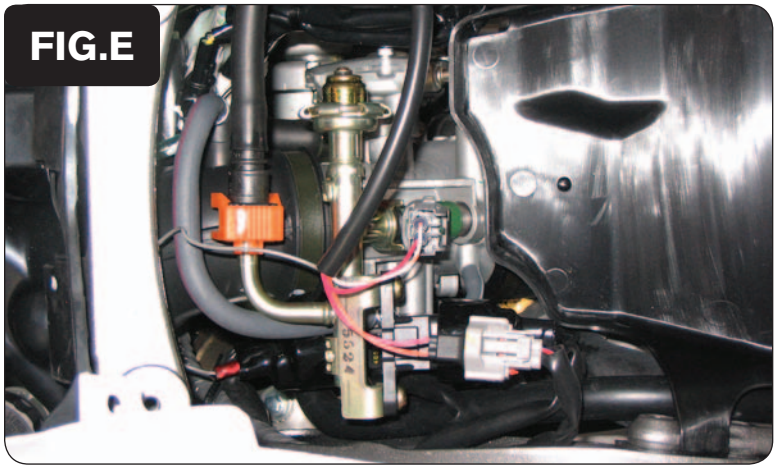
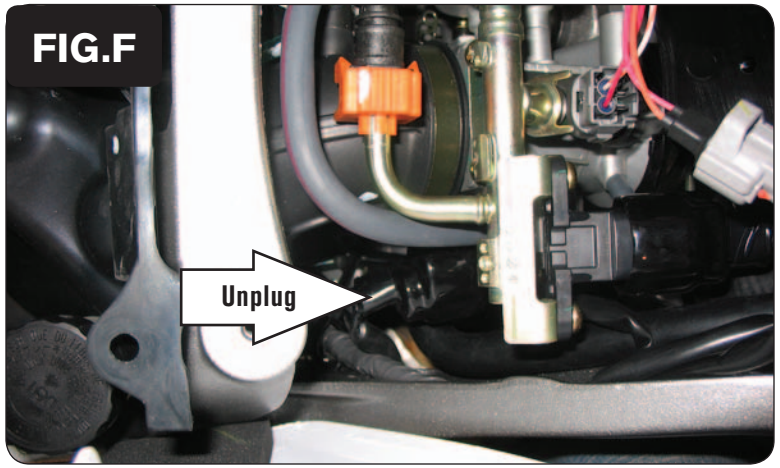


FIG.F



7 Unplug the stock wiring harness from the fuel injector (Fig. D).

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

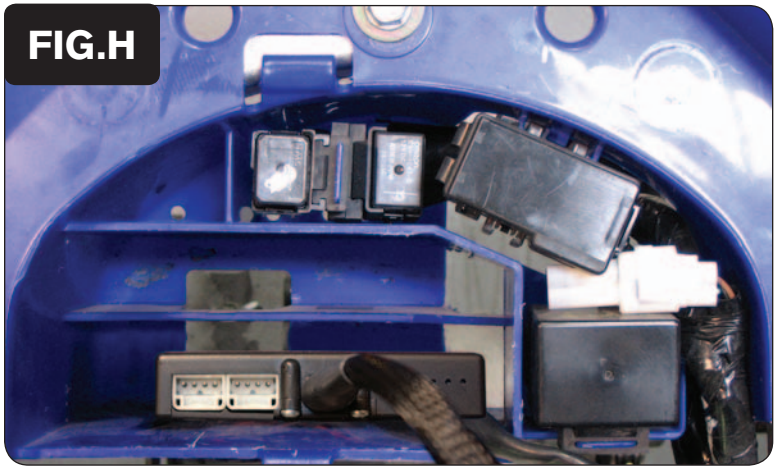
9 Unplug the Throttle Position Sensor connector from the right hand side of the throttle body (Fig. F).

This connector is covered with a BLACK rubber boot.

There is the same style electrical connector attached to a sensor secured to the fuel rail. Do NOT connect the PCV in-line with the sensor on the fuel rail.

FIG.G

FIG.H



10 Connect the PCV wiring harness in-line of the stock TPS and wiring harness (Fig. G).

11 Mount the PCV into the tail section using the supplied velcro (Fig. H).

Use the supplied alcohol swab to clean the surface before attaching the Velcro.

12 Mount the fuel tank back into place.

13 Make sure the wiring harness is routed in a manner that it will not get damaged by any hot or moving parts.

14 Reassemble the ATV.