

[POWER COMMANDER V]

FUEL AND IGNITION

2012-2014 Polaris RZR XP900

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

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

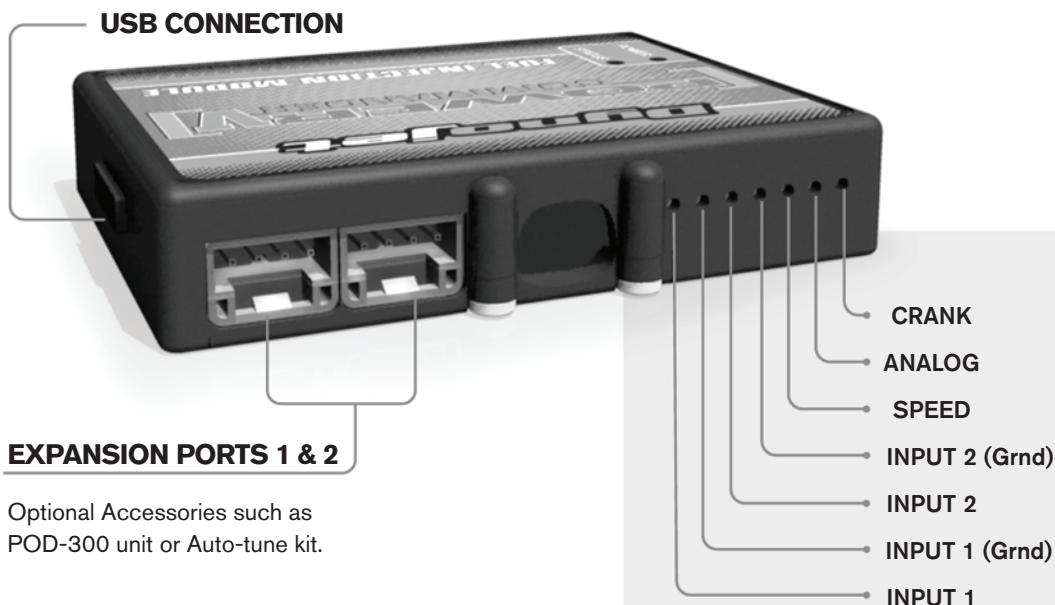
THE LATEST POWER COMMANDER
SOFTWARE AND MAP FILES CAN BE
DOWNLOADED FROM OUR WEB SITE AT:
www.powercommander.com

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



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 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-

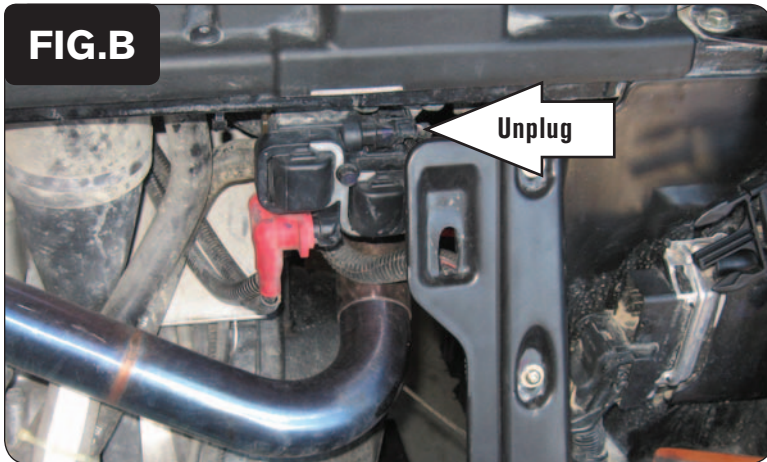
Do **NOT** connect anything to this port unless instructed to do so by Dynojet. It is used to transfer crank trigger data from one module to another.

FIG.A



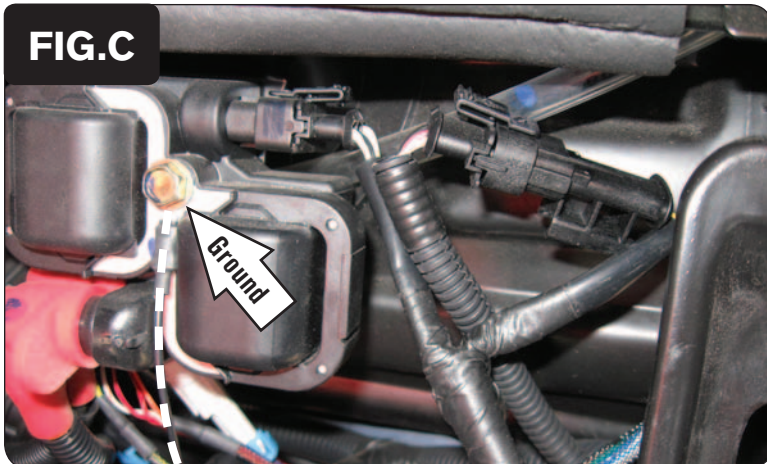
- 1 Remove both seats.
- 2 Remove the plastic panel behind the seats.
- 3 Install the PCV to the panel next to the ECU using the supplied velcro (Fig. A).
Make sure to clean both surfaces with the alcohol swab before attaching.

FIG.B



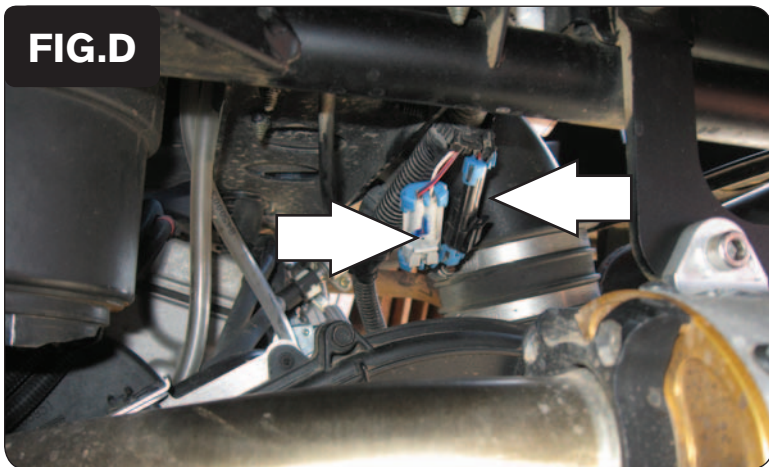
- 4 Unplug the stock wiring harness from the ignition coil (Fig. B).

FIG.C



- 5 Plug the 3-pin connectors from the PCV in-line of the stock wiring harness and ignition coil (Fig. C).
- 6 Secure the PCV ground wire with the small ring lug to vehicle chassis ground using the stock ignition coil mounting bolt (Fig C).

FIG.D



- 7 Unplug the subharness connectors from both fuel injectors (Fig. D).

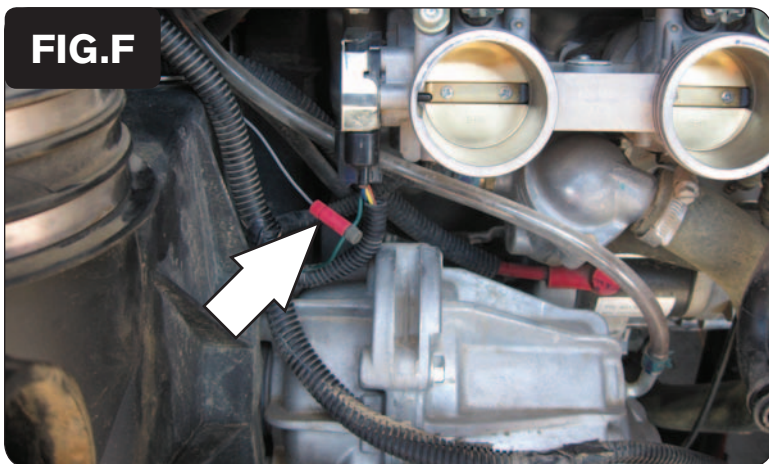
There is a GREY connector and BLACK connector located near the rear, left side of the vehicle. This is located to the left of the air box.

FIG.E



- 8 Plug the corresponding connectors from the PCV in-line of the stock wiring harness (Fig. E).

FIG.F



- 9 Using the supplied Posi-tap, connect the GREY wire of the PCV to the GREEN wire of the stock Throttle Position harness (Fig. F).

The TPS is located on the left side of the throttle bodies. Figure F was taken with the air box removed which does make this step easier although not necessary.

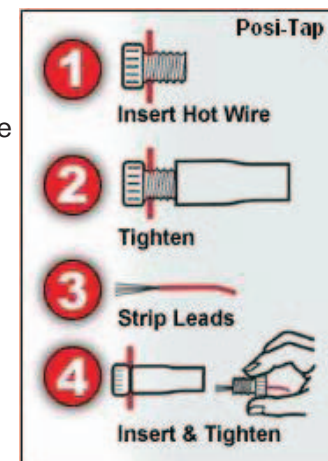
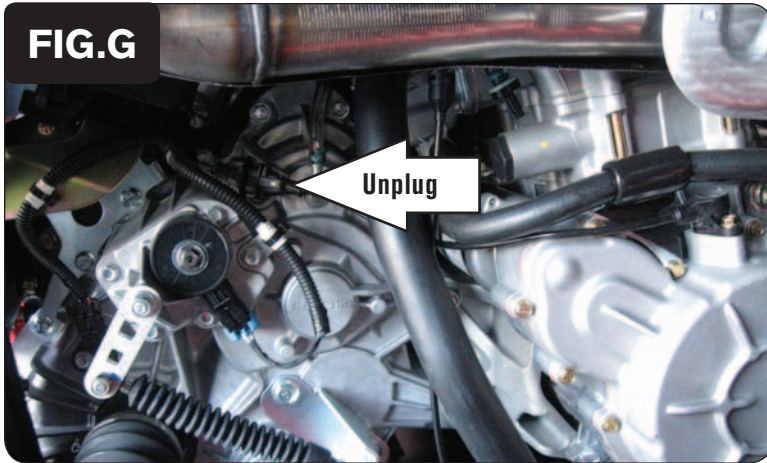


FIG.G



- 10 Route the rest of the PCV harness to the right side of the engine.
- 11 Locate the stock Crank Position Sensor and unplug the stock wiring harness from the CPS (Fig. G).

This connector is located towards the rear, right side of the engine.

- 12 Plug the PCV connectors in-line of the stock CPS and wiring harness.
- 13 Reinstall the panel and seats..