

[POWER COMMANDER V]

FUEL AND IGNITION

2013-2015 Polaris Ranger XP900

Installation Instructions



PARTS LIST

- 1 Power Commander
- 1 USB Cable
- 1 Installation Guide
- 2 Power Commander Decals
- 2 Dynojet Decals
- 1 Dual-lock strip
- 1 Alcohol swab
- 1 Posi-tap

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

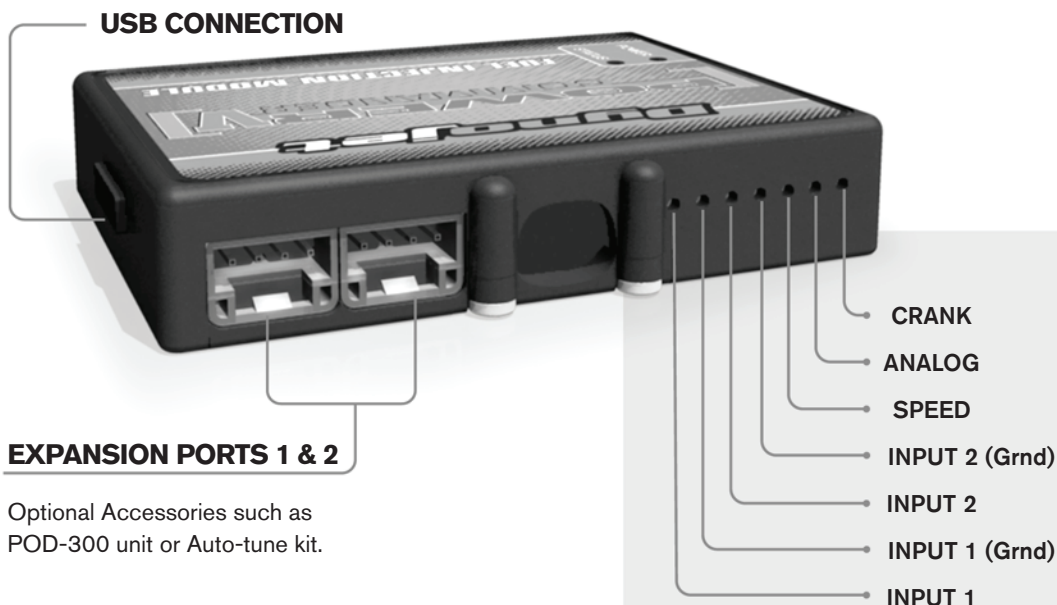
THE LATEST POWER COMMANDER
SOFTWARE AND MAP FILES CAN BE
DOWNLOADED FROM OUR WEB SITE AT:
www.powercommander.com

PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION

Dynojet

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POWER COMMANDER V INPUT ACCESSORY GUIDE

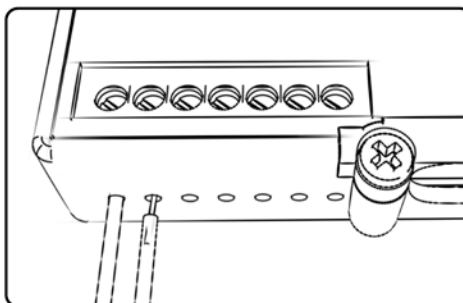


Optional Accessories such as
POD-300 unit or Auto-tune kit.

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 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.

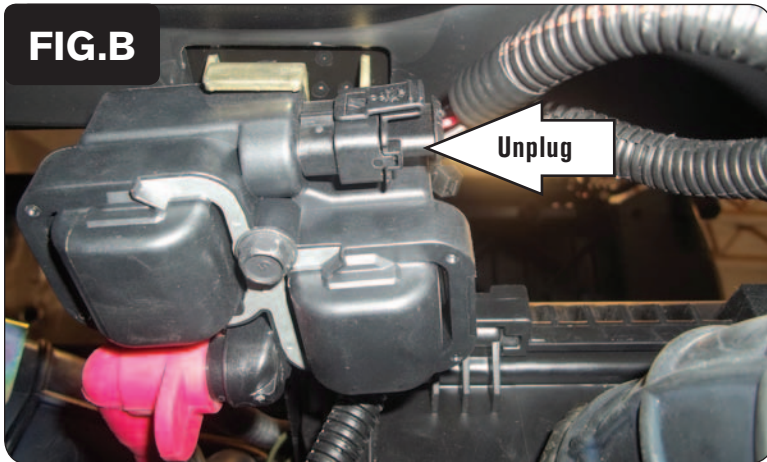
FIG.A



- 1 Lift the cargo bed.
- 2 Install the PCV module to the plastic panel forward of the engine compartment directly above the ignition coil using the supplied dual-lock strip (Fig. A).

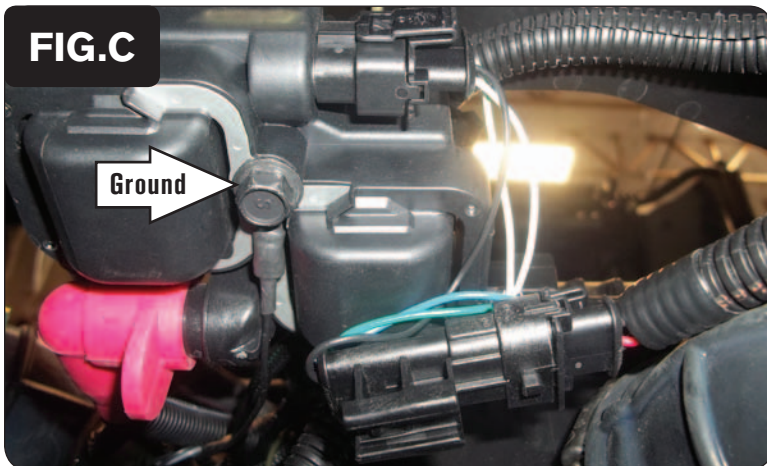
Use the supplied alcohol swab to clean the surfaces prior to applying the dual-lock strip.

FIG.B

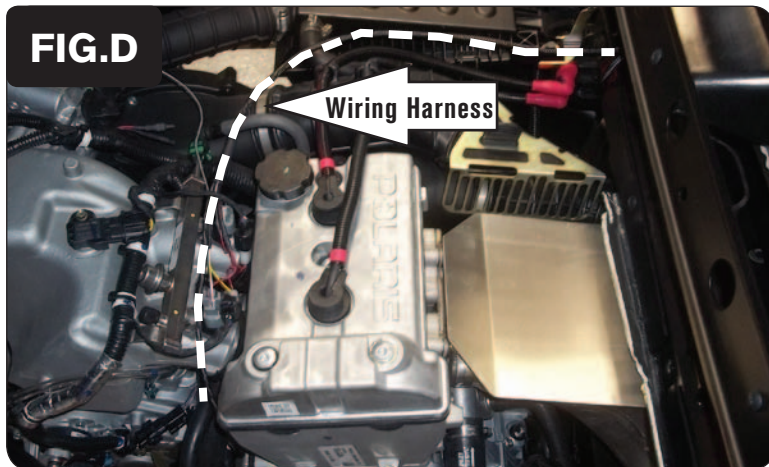


- 3 Unplug the stock wiring harness from the ignition coil (Fig. B).

FIG.C



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

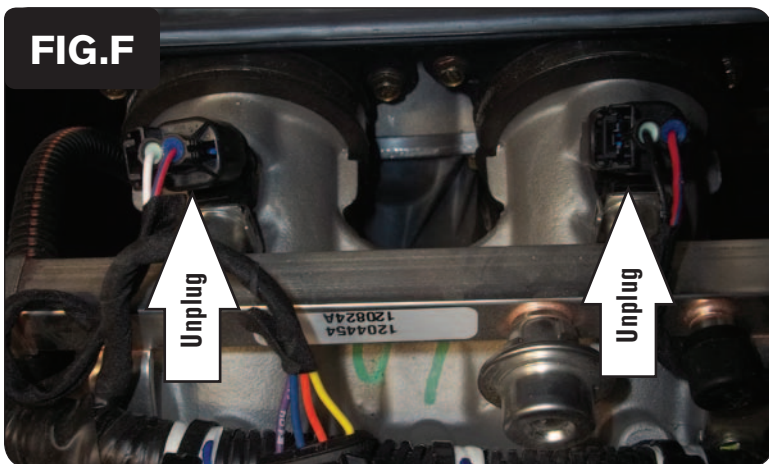
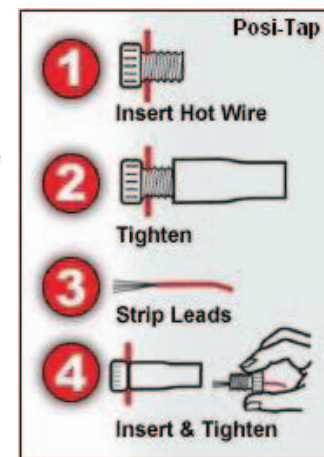


- 6 Route the remaining branch of the PCV wiring harness towards the rear, across the top of the fuel injector rail, and down the right side of the gear box (Fig. D).



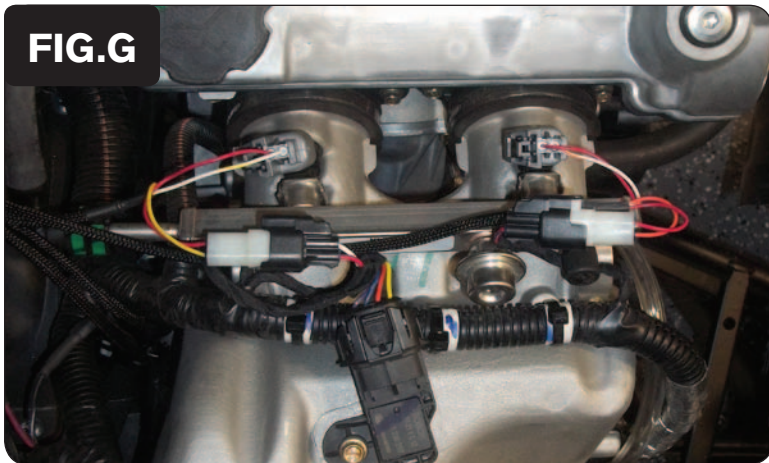
- 7 Using the supplied Posi-tap connect the GREY wire of the PCV to the GREEN wire of the stock Throttle Body Servo wiring harness (Fig. E).

The Throttle Body is located in the left-rear area of the engine compartment.



- 8 Unplug the stock wiring harness from both of the fuel injectors (Fig. F).

FIG.G

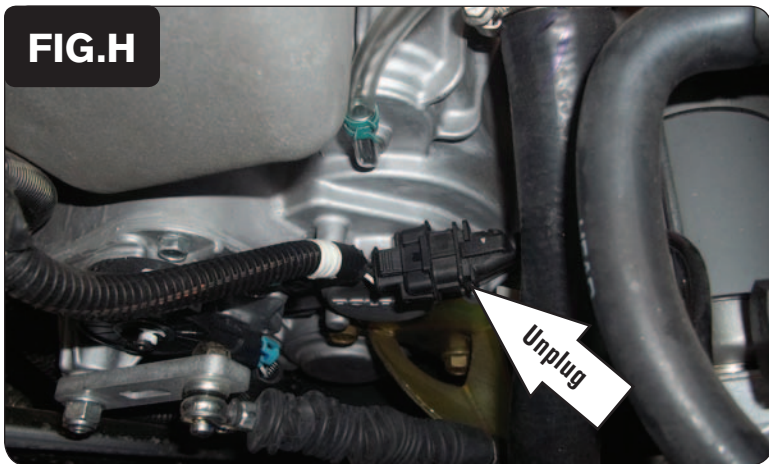


- 9 Plug the PCV wiring harness in-line of the fuel injectors and the stock wiring harness (Fig. G).

The pair of PCV injector leads with ORANGE colored wires go in-line of the #1 (left-most) cylinder fuel injector.

The pair of PCV injector leads with YELLOW colored wires go in-line of the #2 (right-most) cylinder fuel injector.

FIG.H



- 10 Locate and unplug the stock wiring harness from the vehicle's Crank Position Sensor (Fig. H).

This pair of connectors is located on the right-hand side of the gear box, just behind the engine.

FIG.J



- 11 Plug the PCV wiring harness in-line of the stock Crank Position Sensor connectors (Fig. J).

Note: Due to this vehicle's configuration Dynojet was not able to develop a map on the dynamometer. This PCV comes preloaded with a zero map, which will make the vehicle run as stock. It is up to the end user to adjust the fuel and timing as needed to coincide with the vehicle's requirements. This may best be accomplished by adding the Auto-tune kit (PN: AT-300). See www.powercommander.com for more details.