

[POWER COMMANDER V]

FUEL AND IGNITION

2014 Polaris Sportsman 570

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!**

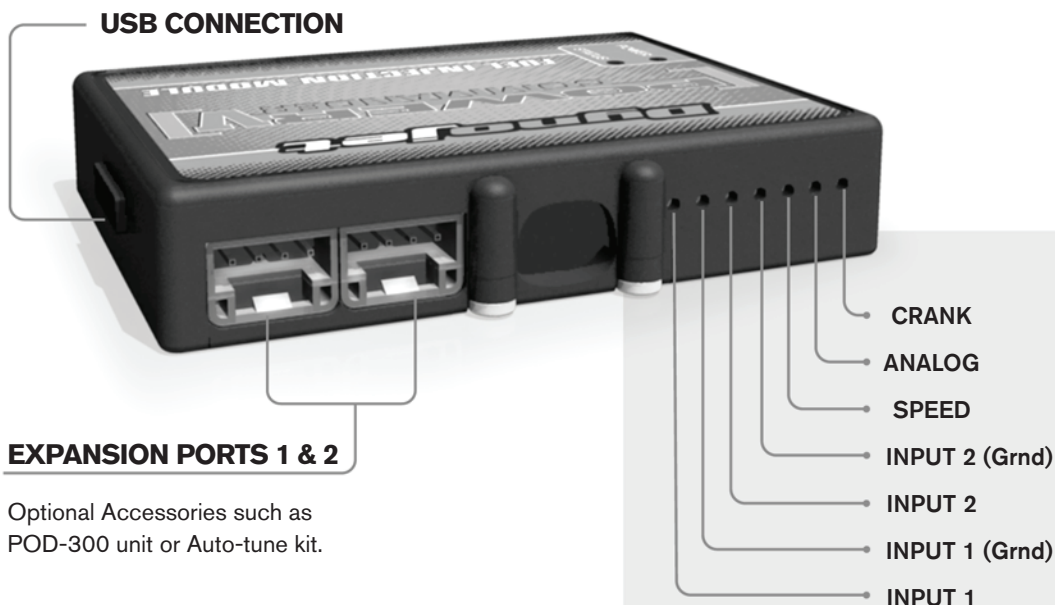
THE LATEST POWER COMMANDER
SOFTWARE AND MAP FILES CAN BE
DOWNLOADED FROM OUR WEB SITE AT:
www.powercommander.com

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

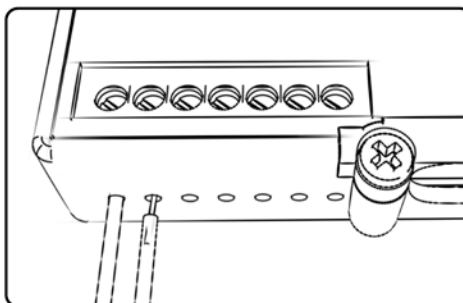


Optional Accessories such as
POD-300 unit or Auto-tune kit.

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-

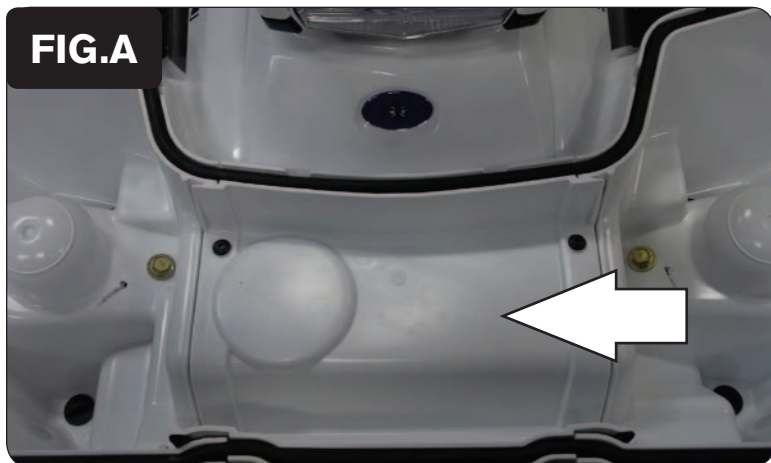
If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent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

Analog-

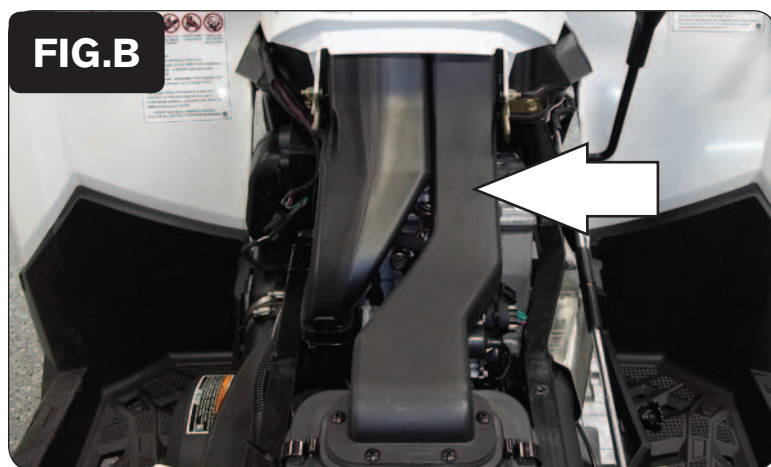
This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the control center software.

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.

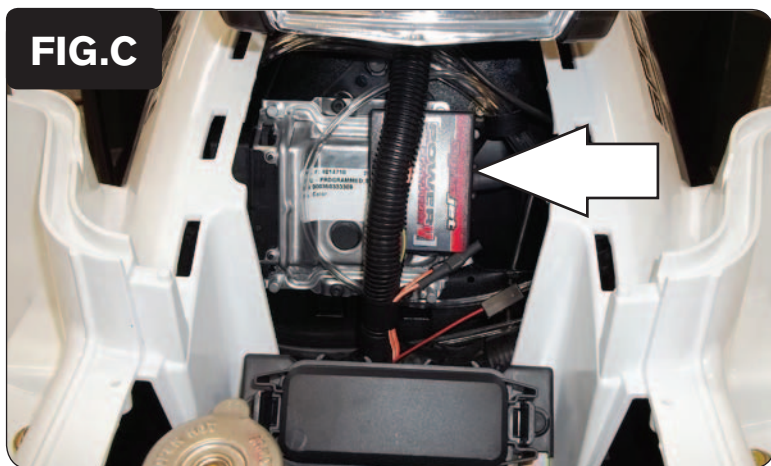


- 1 Remove the seat and both side panels.
- 2 Remove the cover underneath the headlight and under the front cargo box (Fig. A).

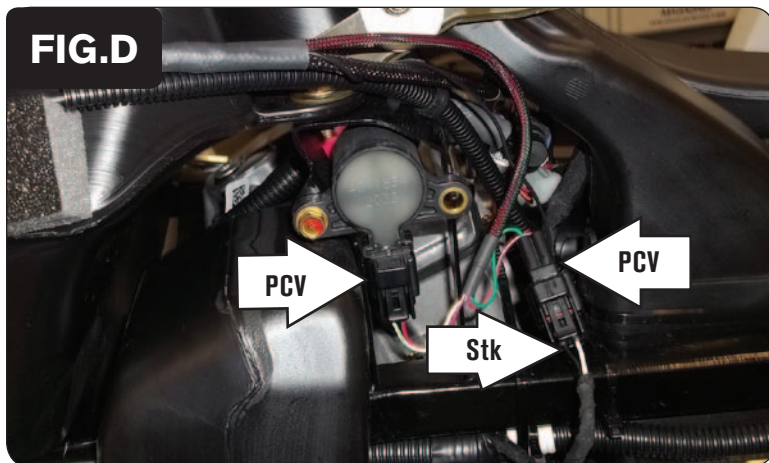


- 3 Remove the intake scoop (Fig. B).

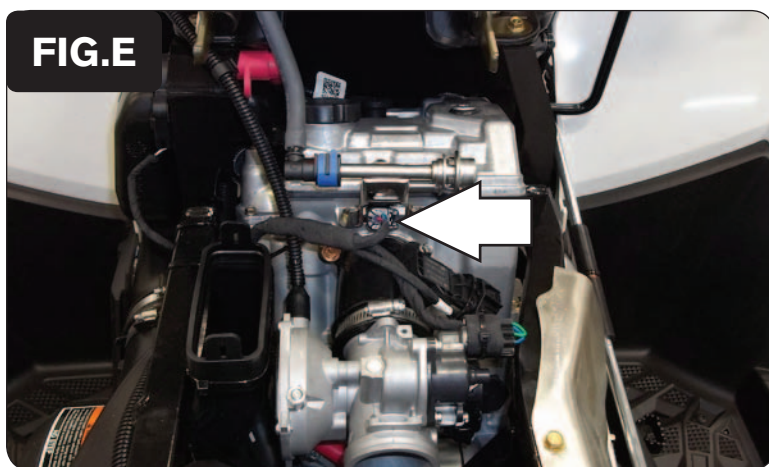
The following pics show the install done with the airbox removed. The install can be done with the airbox in place but removing it does make access easier.



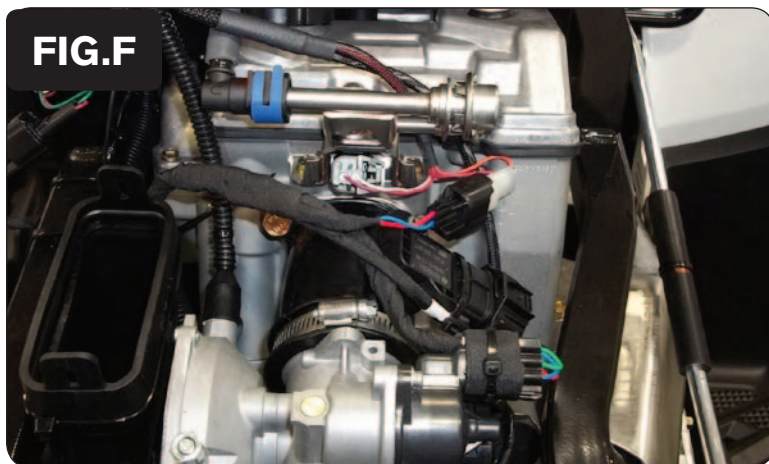
- 4 Install the PCV on top of the stock ECU using the supplied velcro (Fig. C).
Make sure to clean both surfaces before attaching with the alcohol swab.
- 5 Route the PCV wiring harness down the left side of the ATV.



- 6 Locate the stock Ignition coil on the left side of the frame and connect the PCV harness in-line of the stock wiring harness and the coil (Fig. D).

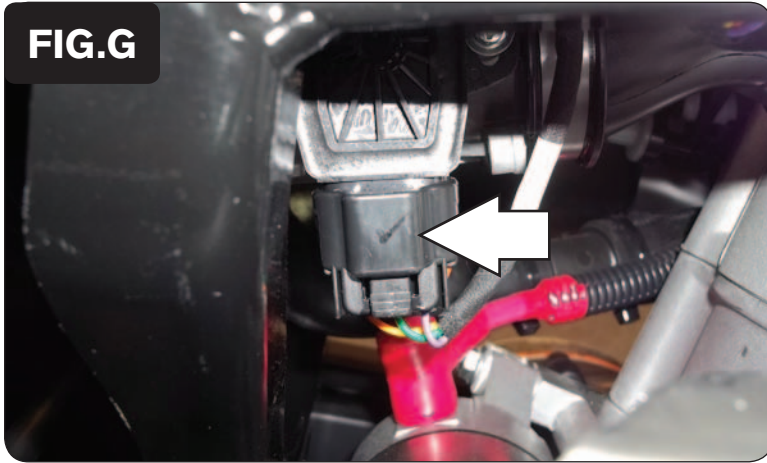


- 7 Unplug the stock wiring harness from the injector (Fig. E).



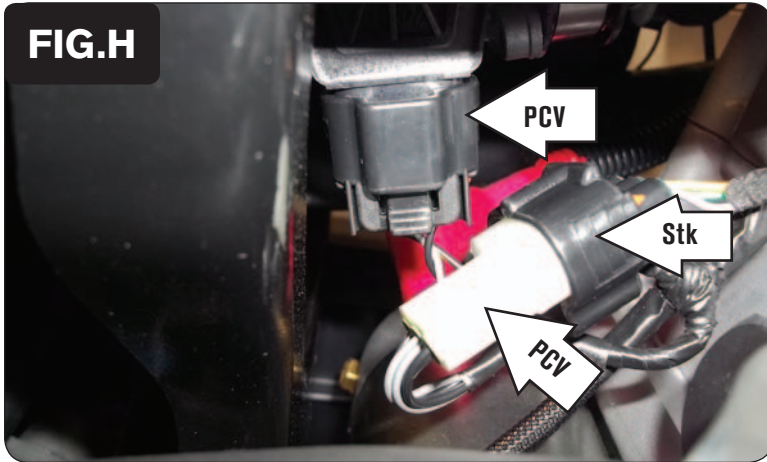
- 8 Plug the PCV harness in-line of the stock wiring harness and the injector (Fig. F).

FIG.G



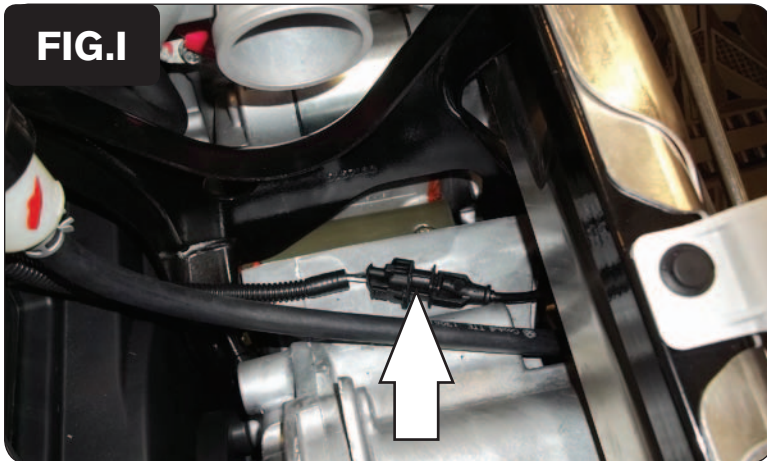
- 9 Unplug the stock wiring harness from the Throttle Position Sensor (Fig. G).
This connector is located on the right side of the throttle body.

FIG.H

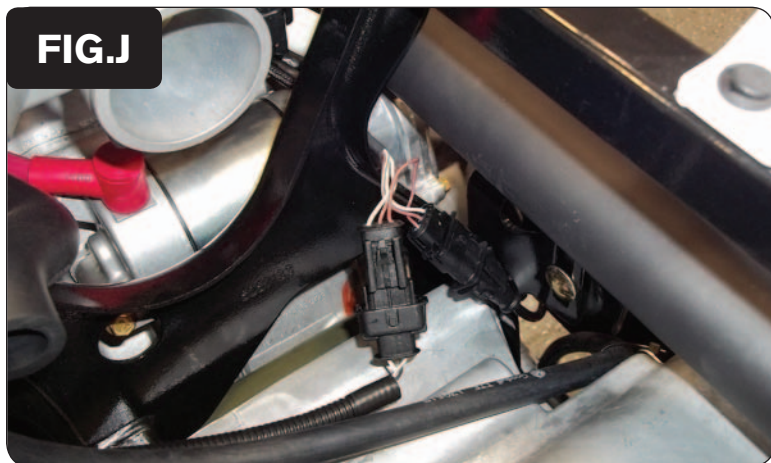


- 10 Plug the PCV harness in-line of the stock wiring harness and TPS (Fig. H).

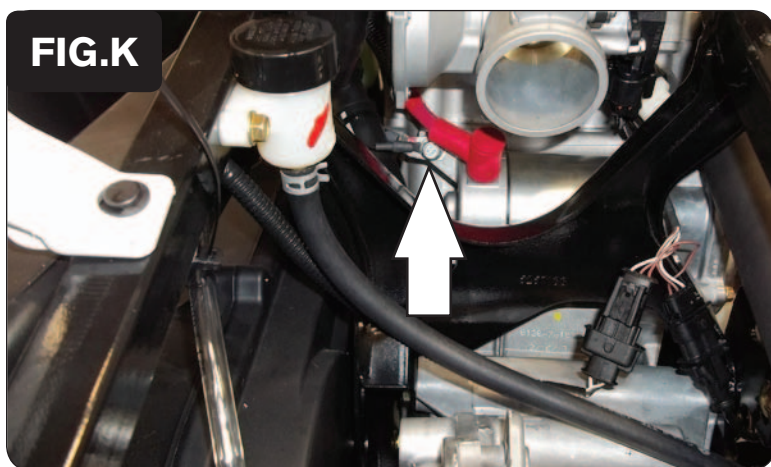
FIG.I



- 11 Unplug the stock Crank Position Sensor connector (Fig. I).
This connector is located under the air box.



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



- 13 Attach the ground wire of the PCV to the stock ground location which is on one of the starter mounting bolts on the back of the engine. (Fig. K).

The ground wire of the PCV can be cut down to length if desired.

- 14 Reinstall the airbox, side panels and seat.