

[POWER COMMANDER V]

2016 Arctic Cat 550/700cc ATV

Installation Instructions



PARTS LIST

- 1 Power Commander
- 1 USB Cable
- 1 Installation Guide
- 2 Power Commander Decals
- 2 Dynojet Decals
- 2 Velcro
- 1 Alcohol swab
- 1 O2 Optimizer

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

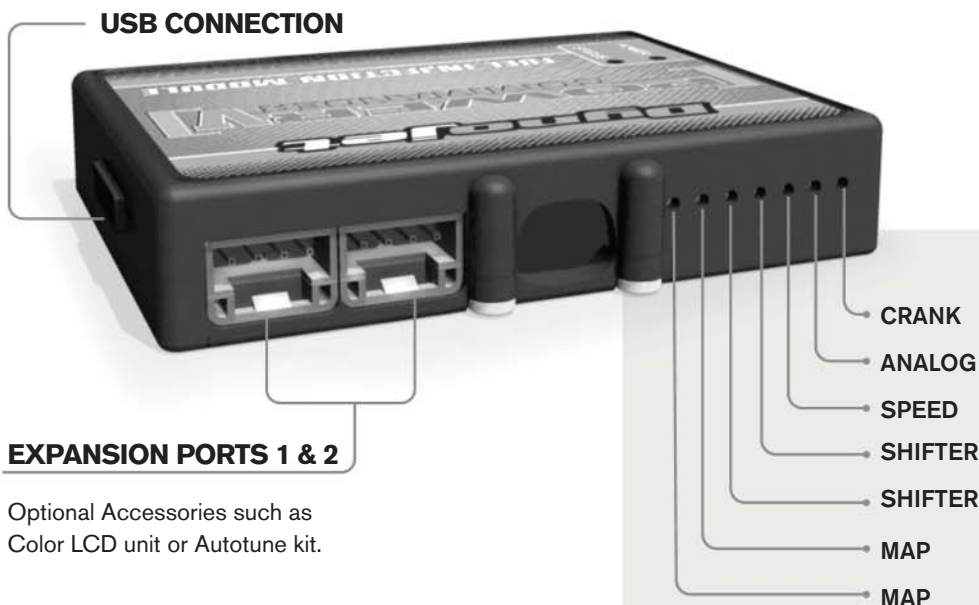
YOU CAN ALSO DOWNLOAD THE
POWER COMMANDER SOFTWARE AND
LATEST MAPS FROM OUR WEB SITE AT:
www.powercommander.com

PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION

Dynojet

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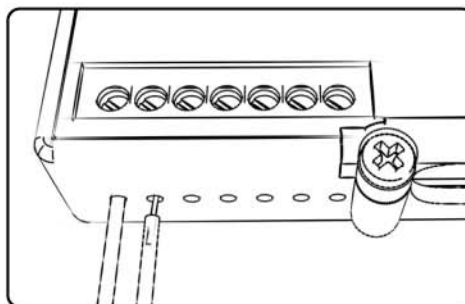
POWER COMMANDER V INPUT ACCESSORY GUIDE



PCV Wire Connections

1. Remove the rubber plug on the backside of the unit and loosen the screw for the corresponding unit.
2. Using a 22-24 gauge wire, strip about 10mm from its end.
3. Push the wire into the hole of the PCV until it stops and then tighten the screw.
4. Make sure to reinstall the rubber plug.

Note: If you tin the wires with solder it will make inserting them easier.



ACCESSORY INPUTS

Map

The PCV has the ability to hold two different base maps. You can switch on the fly between these two base maps when you connect 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.

Shifter

Not used for this application.

Speed

If your application has a speed sensor, you can tap into the signal side of the sensor and run a wire into this input.

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 the seat and side panels.

FIG.B



- 2 Using the supplied velcro, secure the PCV to the front of the battery as shown in Figure B.

Make sure to clean both surfaces with the alcohol swab before attaching.

- 3 Attach the ground wire ring lug from the PCV harness to the negative (-) terminal on the battery as shown in Figure B.

FIG.C



- 4 Route the PCV harness down the side of the airbox cover to the front of the machine.
- 5 Secure the cable using the side clips as shown in Figure C.

FIG.D



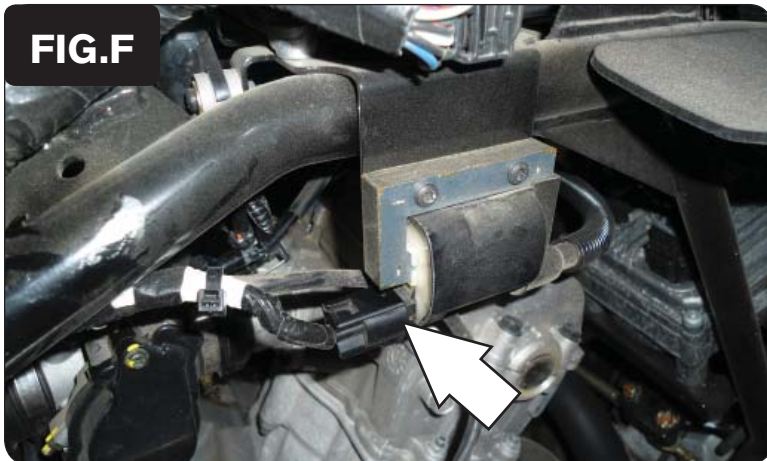
- 6 Locate and unplug the injector on the throttle body as shown in Figure D.

FIG.E



- 7 Attach the PCV connectors to the injector and stock harness connector.

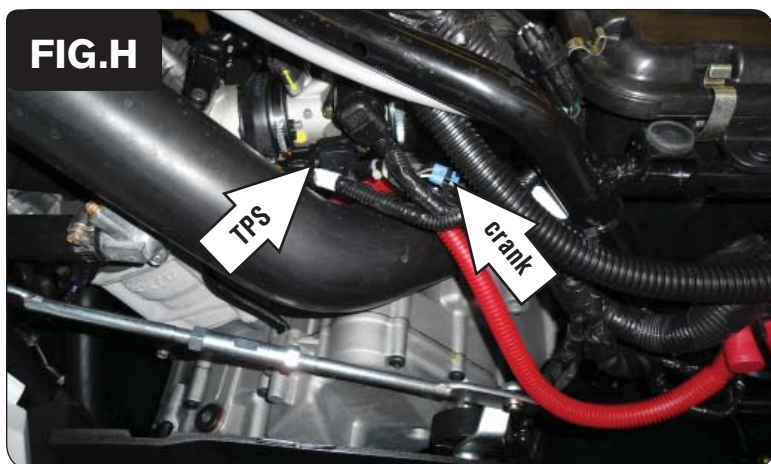
FIG.F



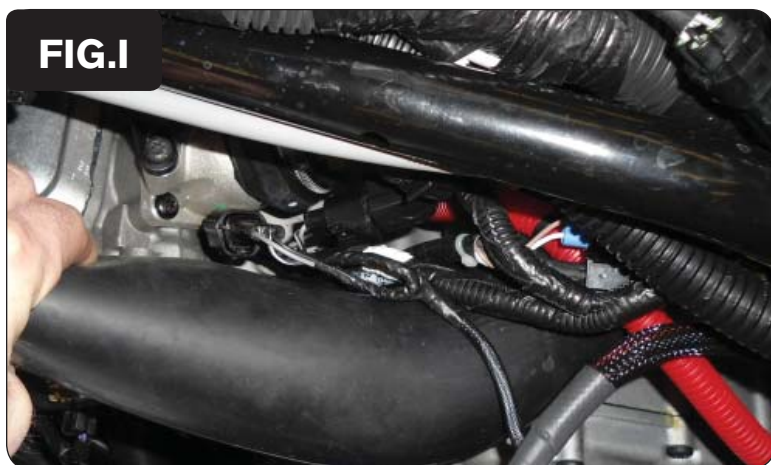
- 8 Locate and unplug the stock coil connector above the front right of the engine mounted on the frame as shown in Figure F.



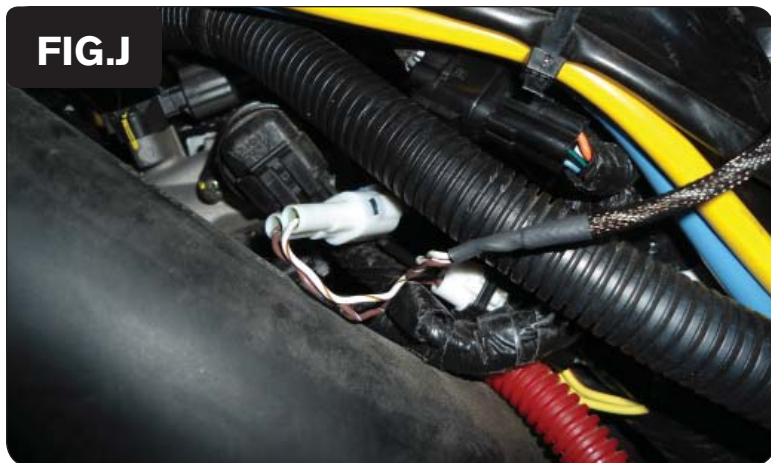
- 9 Attach the PCV connectors to the coil and the stock harness connector.



- 10 Locate the throttle position sensor (TPS) and the crank position sensor connector on the left side of the engine as shown in Figure H.



- 11 Attach the PCV connectors to the TPS and the stock harness connector.



- 12 Attach the PCV connectors to the crank sensor and stock harness connectors.



- 13 Locate and unplug the exhaust O2 sensor connector as shown in Figure K.



- 14 Attach the Dynojet O2 optimizer into the stock wiring harness as shown in Figure L.
The stock sensor will no longer be connected to anything and may either be left installed or removed from the machine.
- 15 Replace the side panels and seat.