POWER COMMANDER V

FUEL AND IGNITION

2011-2014 Polaris RZR800 /S /4

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
2	Zip ties

### 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
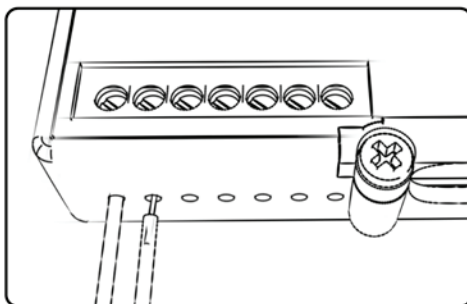
POWER COMMANDER V
INPUT ACCESSORY GUIDE

ACCESSORY INPUTS
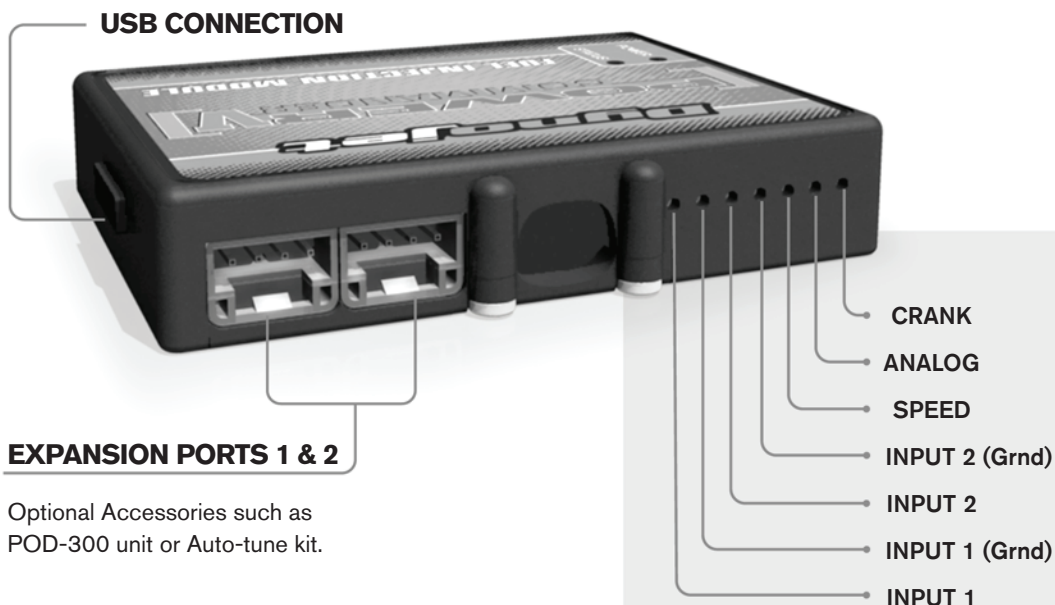
USB CONNECTION

EXPANSION PORTS 1 & 2

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

CRANK
ANALOG
SPEED
INPUT 2 (Grnd)
INPUT 2
INPUT 1 (Grnd)
INPUT 1

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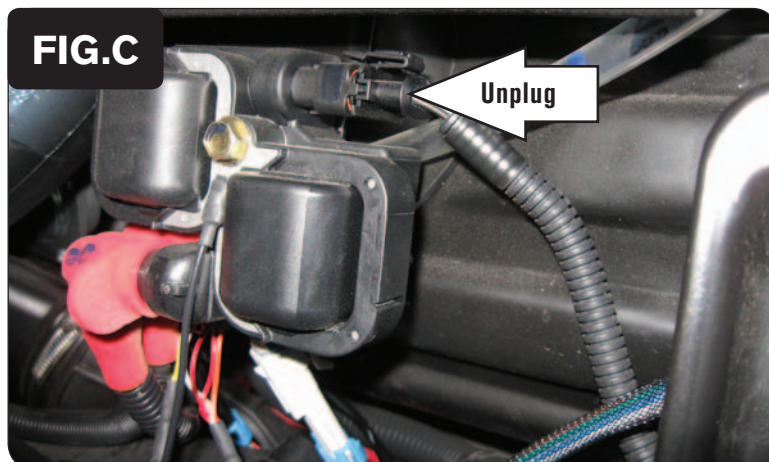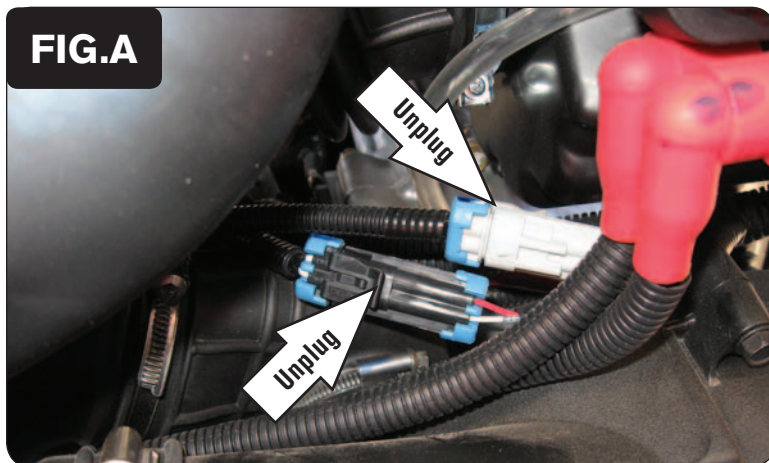
Speed- If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent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

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.

FIG.A

Unplug

Unplug

FIG.B

FIG.C

Unplug

1   Remove both seats.

2   Remove the plastic panel behind the seats.

3   Locate the injector harness connectors and unplug them (Fig. A). These connectors are located next to the ignition coils.

4   Connect the PCV in-line of the stock wiring harness and the injector harness (Fig. B).

5   Unplug the stock wiring harness from the ignition coil (Fig. C).

FIG.D

Bolt

FIG.E

Unplug

FIG.F
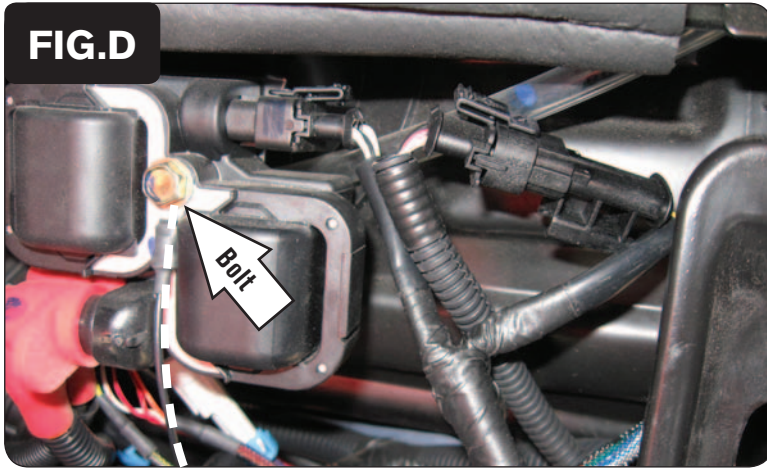
6   Plug the 3-pin connectors from the PCV in-line of the stock wiring harness and ignition coil (Fig. D).

7   Remove the coil pack mounting bolt. Install the bolt first thru the PCV ground wire and then reattach the coil pack (Fig D).
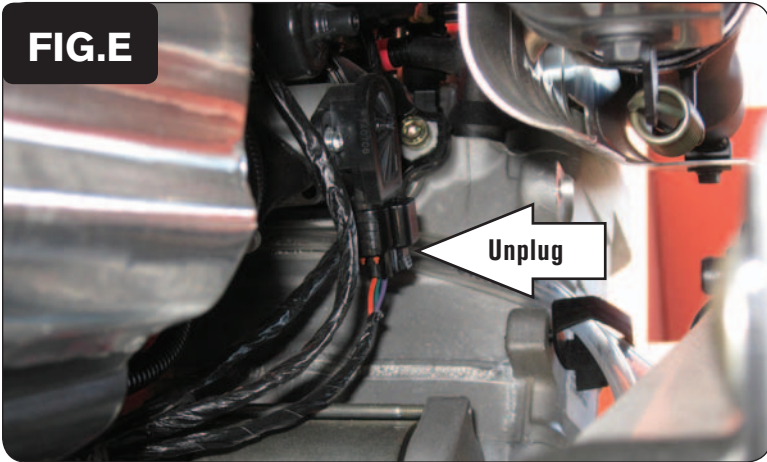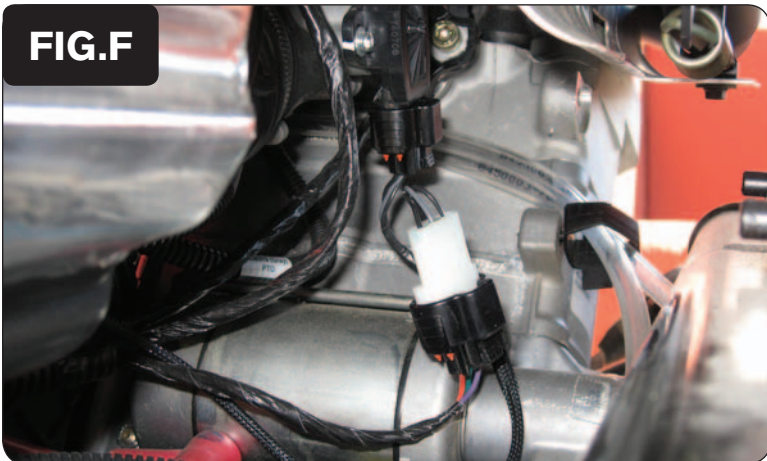
8   Locate the stock Throttle Position Sensor and unplug the stock wiring harness from the TPS (Fig. E).

This connector is located in front of the exhaust heat shield. Removing the exhaust header aids in accessing this connection.

9   Plug the PCV connections in-line of the stock TPS and wiring harness.

Use 1 of the supplied zip ties to secure the harness away from the exhaust.

FIG.G

Unplug

10   Locate the stock Crank Position Sensor and unplug the stock wiring harness from the CPS (Fig. G).

This connector is located to the inside of the left, rear wheel under the transfer case.

FIG.H

11   Plug the PCV connectors in-line of the stock CPS and wiring harness.

Use 1 of the supplied zip ties to secure the harness in place.

FIG.I

12   Using the supplied Velcro, secure the PCV next to the stock ECU.

This is located behind the drivers seat.

Use the supplied alcohol swab to clean the surface area prior to applying the Velcro.

13   Reinstall the plastic panel behind the seats and reinstall the seats.