POWER COMMANDER V

2008-2015 CanAm DS450

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

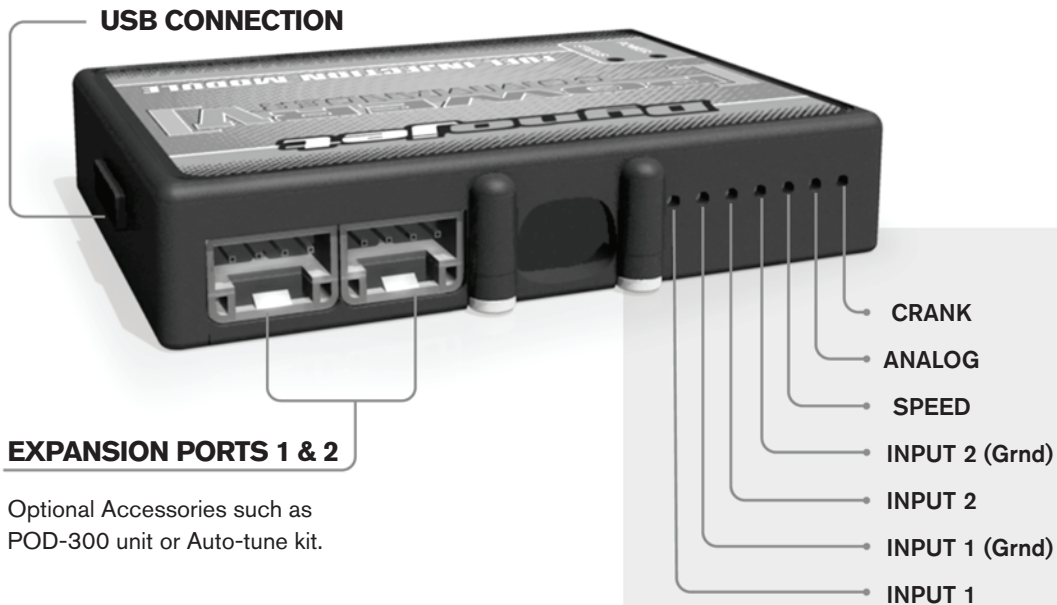**THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION!**

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

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

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.
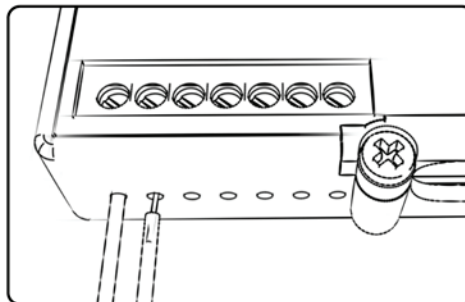
Map - (Input 1 or 2) The PCV has the ability to hold
2 different base maps. You can switch on the
fly between these two base maps when you
hook up a switch to the MAP inputs. You can
use any open/close type switch. The polarity
of the wires is not important. When using the
Autotune kit one position will 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

FIG.B

FIG.C

1   Remove the seat.

2   Remove the 3 bolts shown in Figure A.

3   Remove the 2 bolts for the rear fender shown in Figure B. Repeat for the right side

4   Once you have removed the cover around the fuel tank cap, remove the bolt that holds the coolant bottle in place. This allows access to the throttle body.
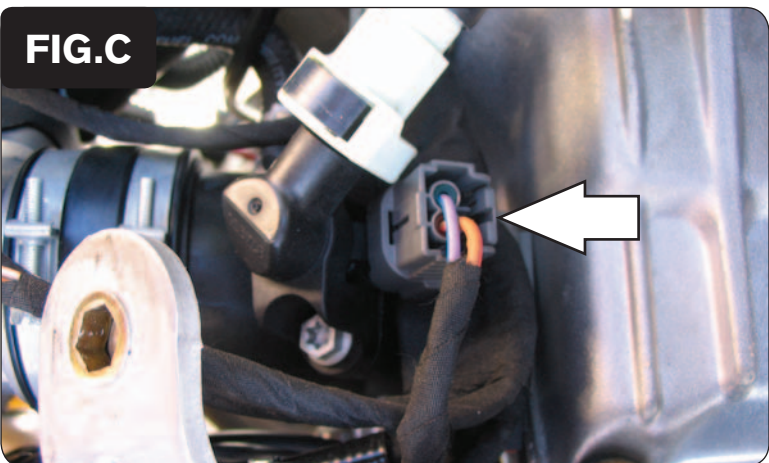
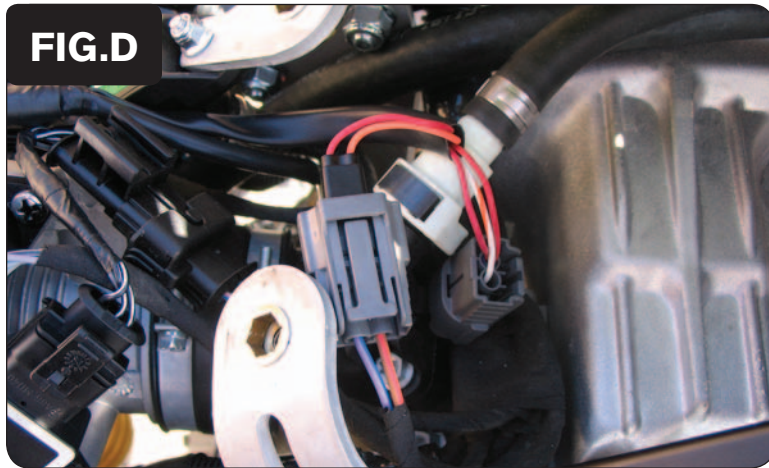5   Unplug the stock wiring harness from the ATV's fuel injector (Fig. C).

FIG.D

FIG.E

TPS

FIG.F

Ground

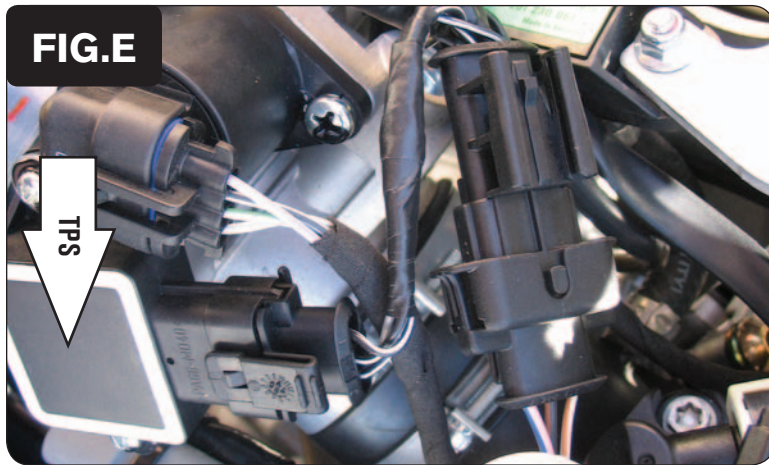6   Plug the PCV wiring harness in-line of the stock wiring harness and fuel injector (Fig. D).

7   Locate the Throttle Position Sensor on the left hand side of the throttle body.

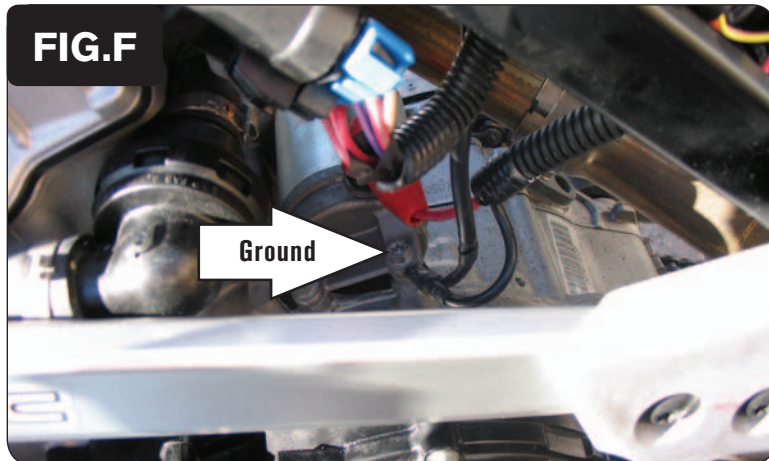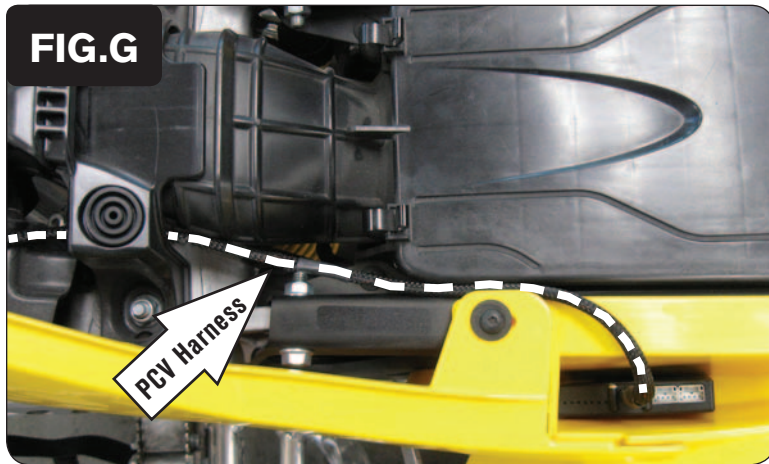8   Unplug the stock wiring harness from the TPS and plug the PCV connectors in-line (Fig. E).

9   Connect the ground wire of the PCV with the small ring to the same location as the stock common ground wire (Fig. F).

This connection is located at one of the starter motor mounting bolts.

FIG.G

PCV Harness

10 Use the supplied Velcro to secure the PCV module in the opening in the rear fender (Fig. G).

Clean both surfaces with the supplied alcohol swab prior to applying the Velcro adhesive.

11 Reinstall the bodywork.