

[POWER COMMANDER V]

2011-2014 Triumph Tiger 800

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
- 1 O2 Optimizer

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

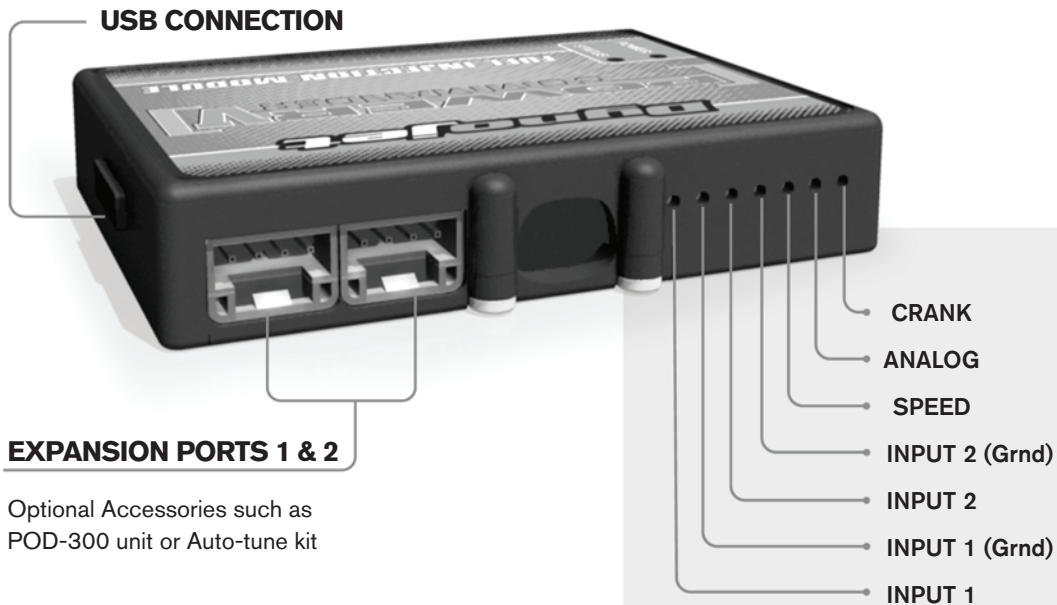
THE LATEST POWER COMMANDER
SOFTWARE AND MAP FILES CAN BE
DOWNLOADED FROM OUR WEB SITE AT:
www.powercommander.com

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



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-

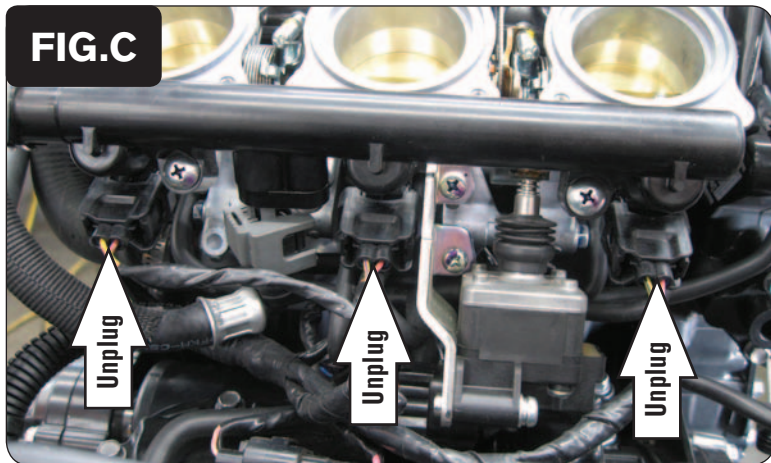
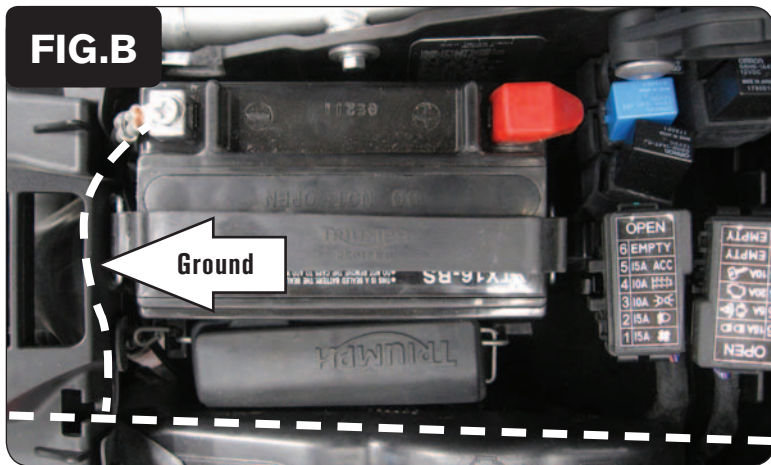
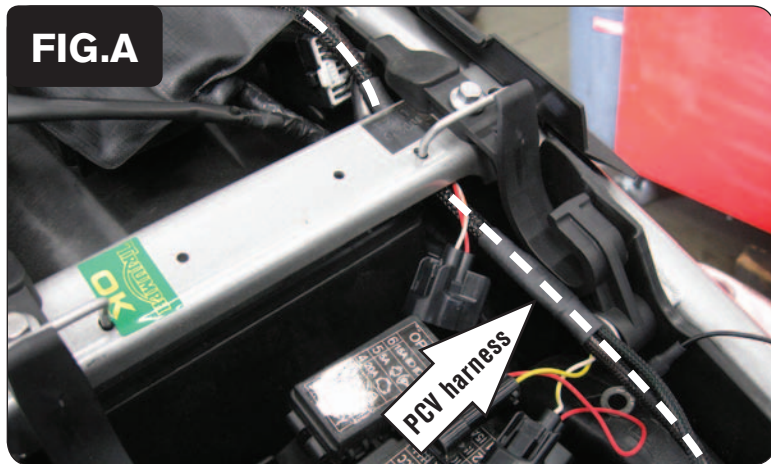
If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent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

Analog-

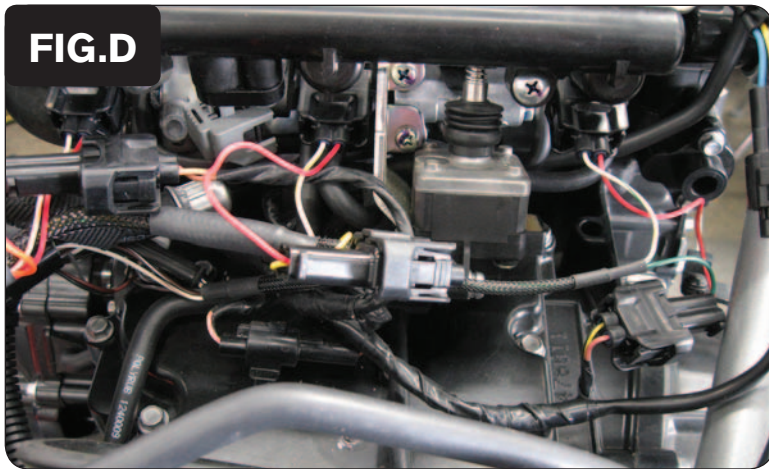
This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the control center software.

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.
- 2 Remove the fuel tank and air box.
- 3 Lay the PCV in the tail section temporarily and route the harness underneath the subframe crossover (Fig. A).
- 4 Attach the ground wire of the PCV with the small ring lug to the negative (-) terminal of the bike's battery (Fig. B).
- 5 Disconnect the stock wiring harness from each fuel injector (Fig. C).



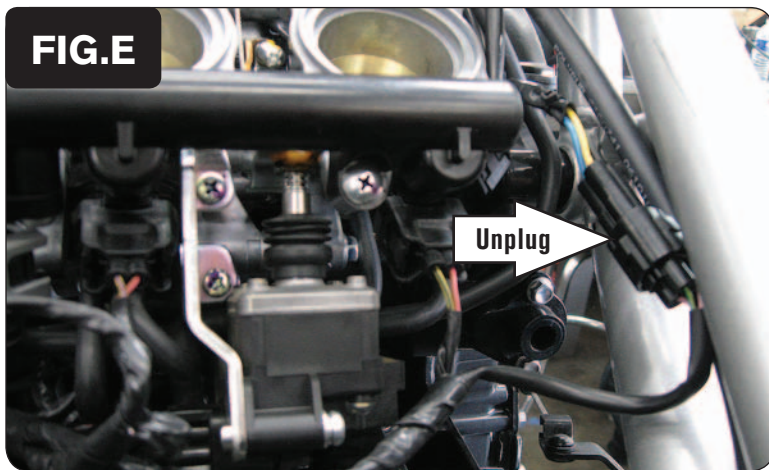
- 6 Plug the PCV harness in-line of the stock wiring harness and each fuel injector.

PCV harness:

ORANGE - cylinder #1 (left)

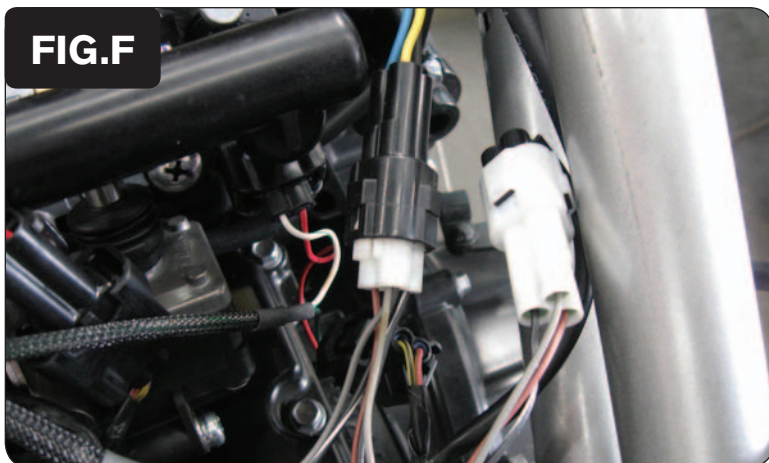
YELLOW - cylinder #2

GREEN - cylinder #3 (right)

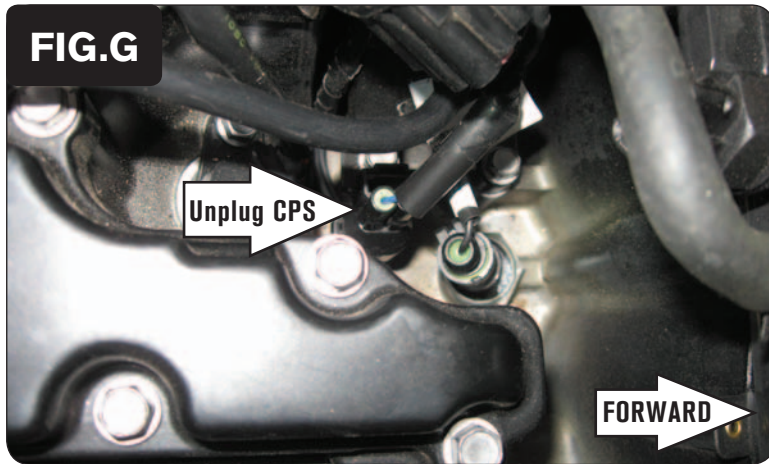


- 7 Unplug the stock Throttle Position Sensor connectors (Fig. E).

This is a BLACK 3-pin connector pair on the right side of the throttle bodies.



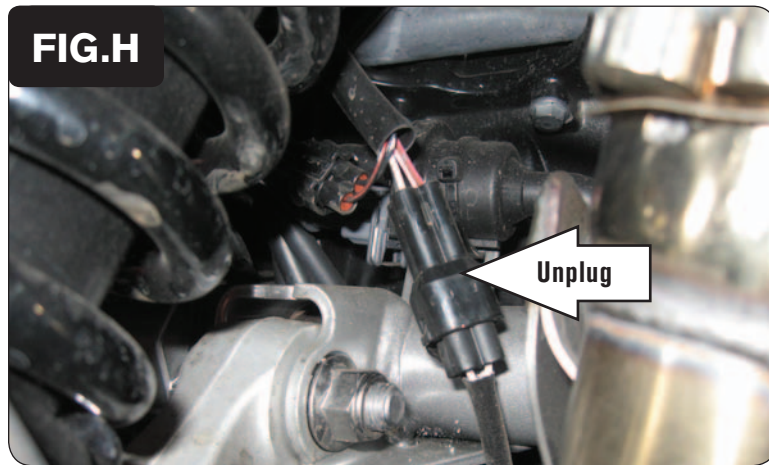
- 8 Plug the mating connectors from the PCV in-line of the stock Throttle Position Sensor connectors (Fig. F).



- 9 Unplug the stock Crank Position Sensor connectors (Fig. G).

This is a BLACK 2-pin connector pair located on top of the engine case. This connector is not easy to access unless you either have long pics or remove the throttle bodies.

- 10 Plug the mating connectors from the PCV in-line of the stock CPS connectors.



- 11 Locate the stock O2 sensor connection and unplug it (Fig. H).

This is a BLACK 4-pin connector pair located near the rear shock, to the inside of the frame.

- 12 Plug the O2 Optimizer into the stock wiring harness in place of the stock O2 sensor.

The stock O2 sensor will no longer be used. It can be removed from the exhaust if desired and if you have a way to plug the hole in the exhaust.



- 13 Secure the PCV in the tail section near the tool kit using the supplied Velcro (Fig. J).

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

- 14 Reinstall the fuel tank, airbox, and seats.