

[POWER COMMANDER V]

2009-2011 Triumph Sprint ST / GT

Installation Instructions



PARTS LIST

- 1 Power Commander
- 1 USB Cable
- 1 CD-ROM
- 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



Optional Accessories such as
Color LCD 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 -

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.

Shifter-

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.

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-

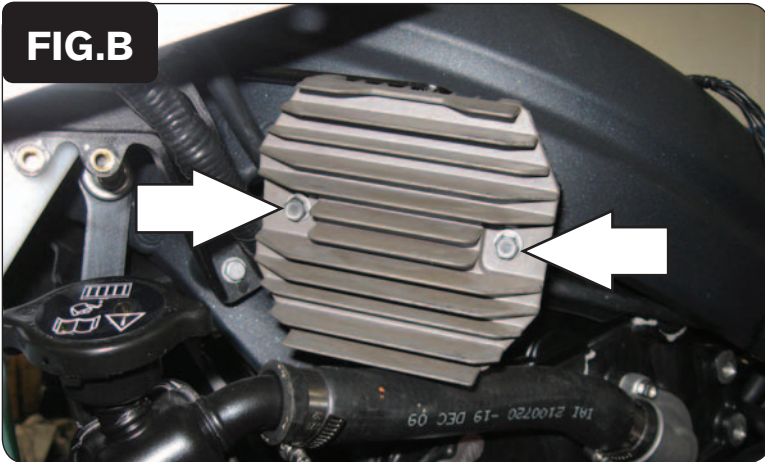
Do **NOT** connect anything to this port unless instructed to do so by Dynojet. It is used to transfer crank trigger data from one module to another.

FIG.A



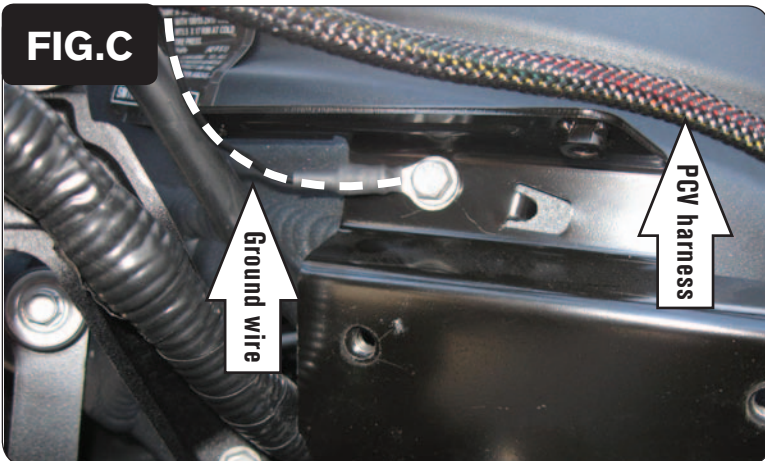
- 1 Remove the seat.
- 2 Remove the fuel tank, air box and left hand inner panel
- 3 Secure the PCV to the side of the coolant reserve bottle using the supplied velcro (Fig. A). Make sure to use the alcohol swab to clean both surfaces before attaching.
- 4 Route the PCV harness down the left side of the frame and go towards the throttle bodies.

FIG.B

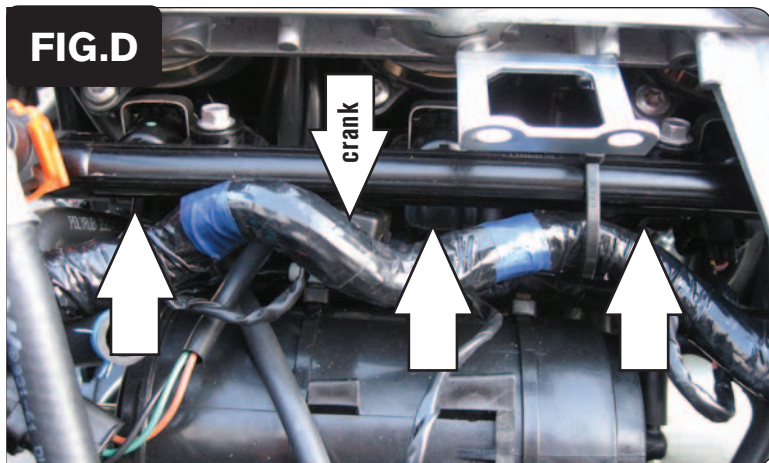


- 5 Remove the 2 bolts that hold the regulator/rectifier to the frame (Fig. B).
This allows access to the PCV ground bolt location.

FIG.C

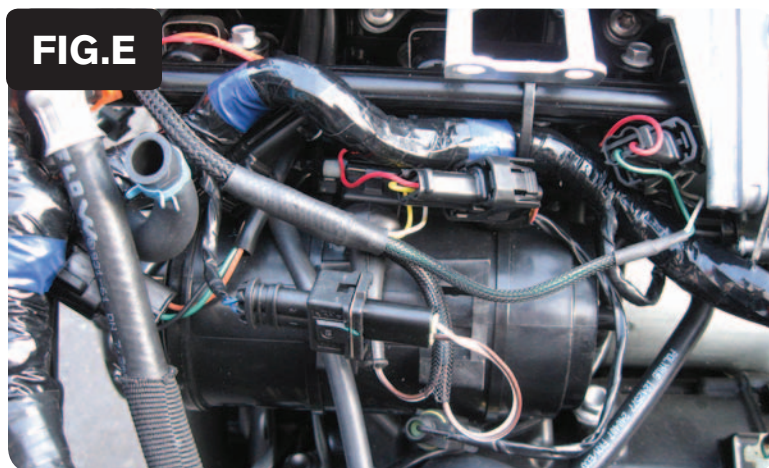


- 6 Attach the ground wire of the PCV to the bolt location shown in Figure C.
- 7 Reinstall the regulator/rectifier.



- 8 Unplug the stock wiring harness from each injector (Fig. D).
- 9 Unplug the stock crank pickup sensor connector (Fig. D).

This is located between the #1 and #2 throttle body behind the main wiring harness.



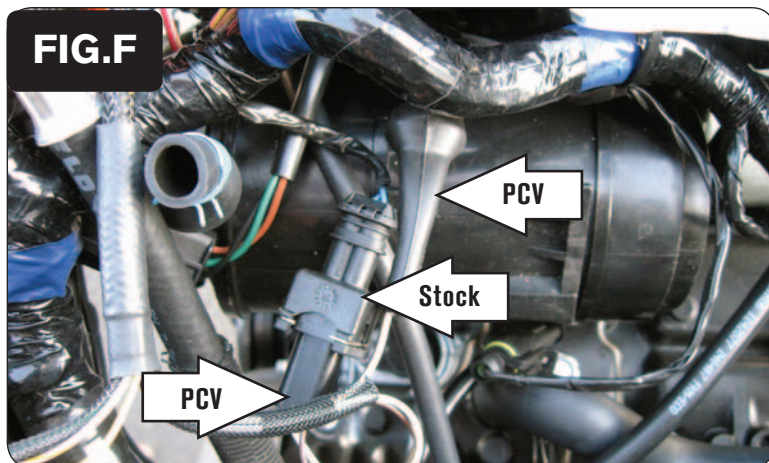
- 10 Plug the PCV harness in-line of the stock wiring harness and each injector

PCV harness:

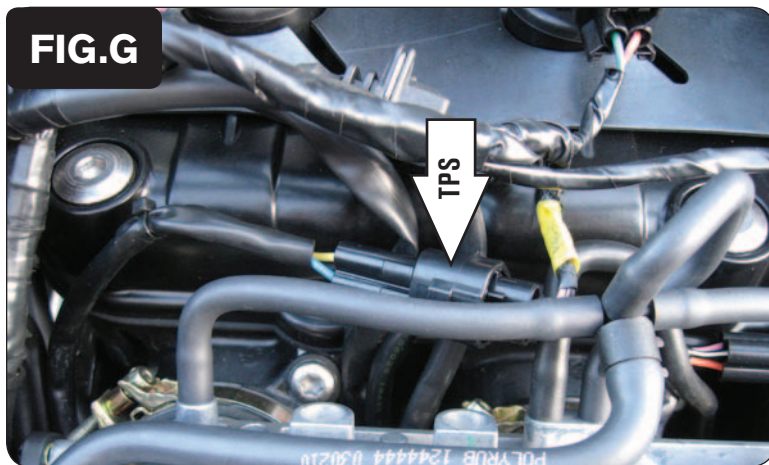
ORANGE - cylinder #1 (left)

YELLOW - cylinder #2

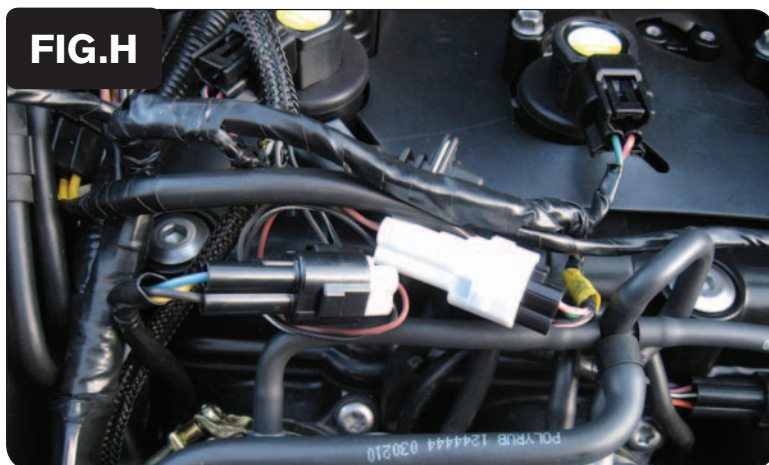
GREEN - cylinder #3



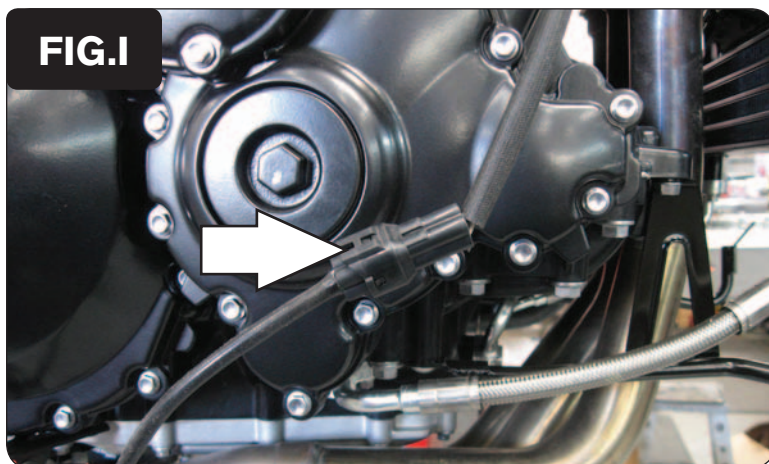
- 11 Plug the PCV harness in-line of the stock crank pickup sensor connection (Fig. F).



- 12 Locate the stock Throttle Position Sensor connection and unplug it (Fig. G).
This is a BLACK 3 pin connector located above the #1 throttle body.



- 13 Plug the WHITE connectors from the PCV in-line of the stock TPS connection (Fig. H).



- 14 Remove the right hand fairing.
- 15 Locate the stock O2 sensor connection (Fig. I).
- 16 Unplug the stock O2 sensor connection and plug the Dynojet O2 Optimizer into the stock wiring harness.
The stock O2 sensor will no longer be connected to anything at this time.
- 17 Reinstall bodywork and fuel tank.