

[POWER COMMANDER V]

FUEL AND IGNITION

2019 Triumph Speed Twin

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!

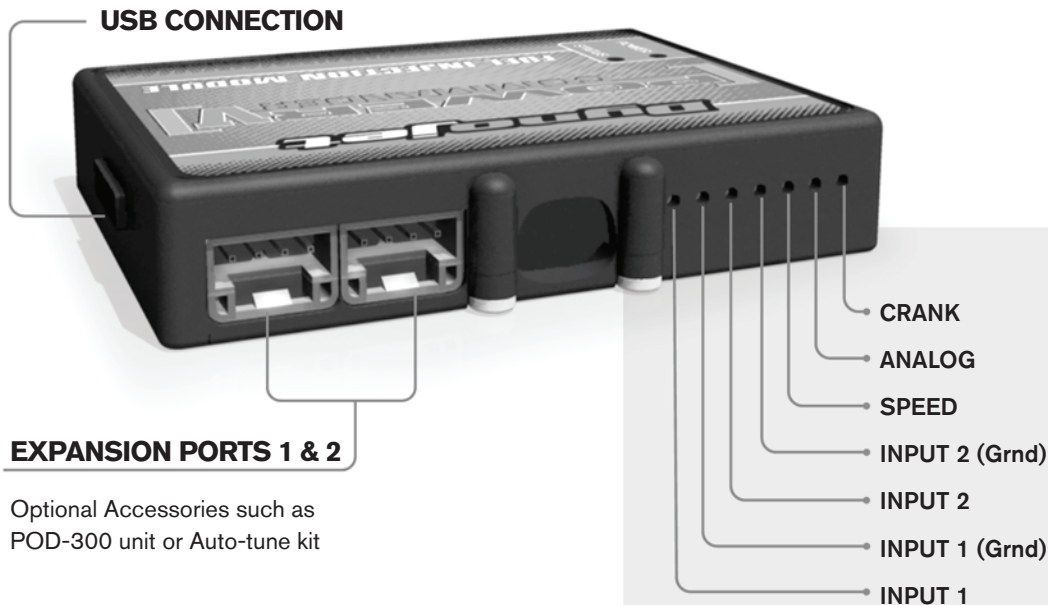
YOU CAN ALSO DOWNLOAD THE POWER COMMANDER SOFTWARE AND LATEST MAPS FROM OUR WEB SITE AT:
www.powercommander.com

PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION

Dynojet

2191 Mendenhall Drive North Las Vegas, NV 89081 (800) 992-4993 www.powercommander.com

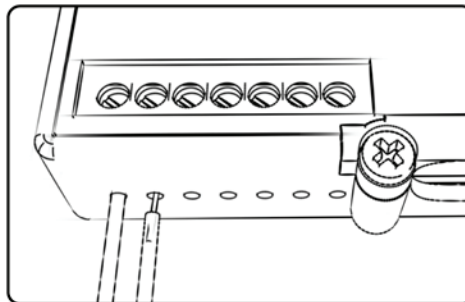
POWER COMMANDER V INPUT ACCESSORY GUIDE



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-

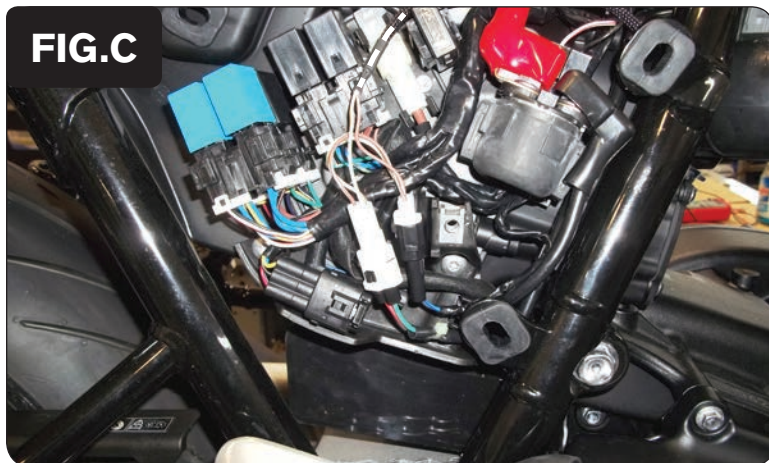
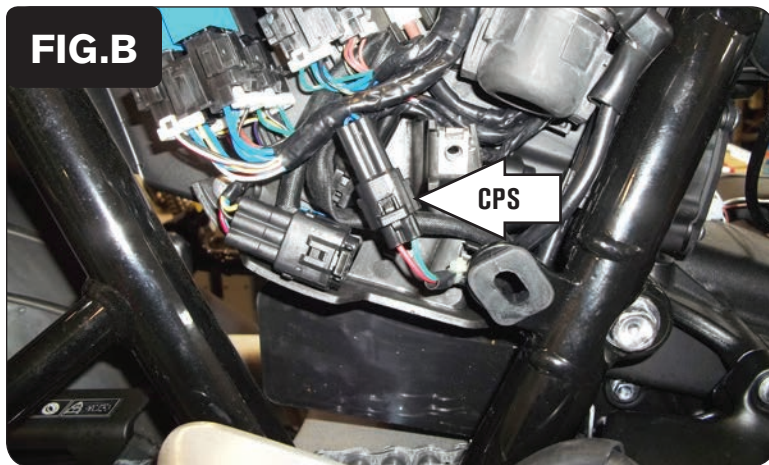
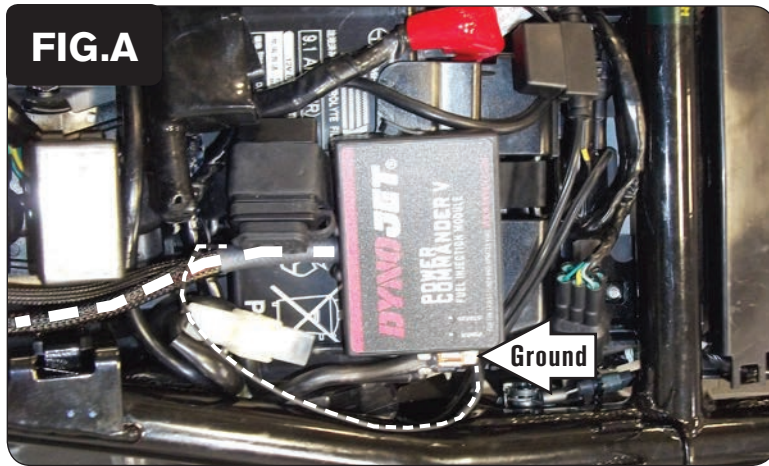
If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent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

Analog-

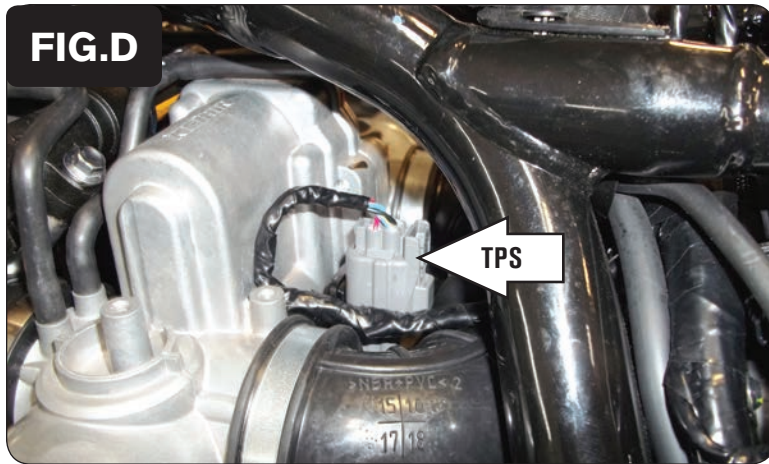
This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the control center software.

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.



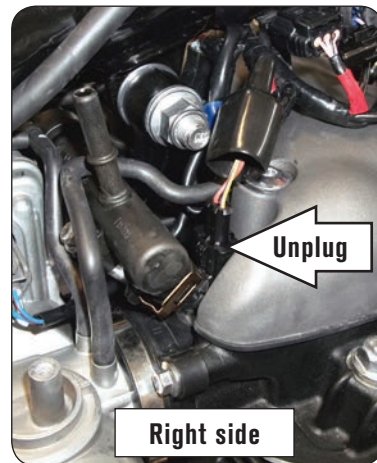
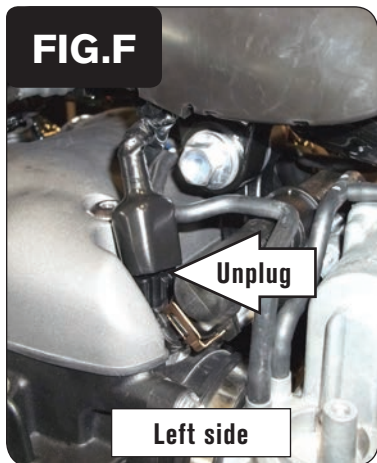
- 1 Remove the seat.
- 2 Remove the fuel tank and both side panels.
- 3 Lay the PCV on top of the battery temporarily.
- 4 Route the PCV wiring harness forward towards the engine along the upper left frame rail. Route the branch with the pair of WHITE, 2-pin connectors beneath the right side cover (Fig. A).
- 5 Attach the PCV ground wire with the small ring terminal to the negative (-) terminal of the bike's battery.
- 6 Locate the stock Crank Position Sensor connectors on the right hand side of the bike beneath the right side cover and unplug them (Fig. B).
The rear brake fluid reservoir will need to be loosened to access this connector pair.
- 7 Plug the PCV wiring harness in-line of the stock CPS connectors (Fig. C).



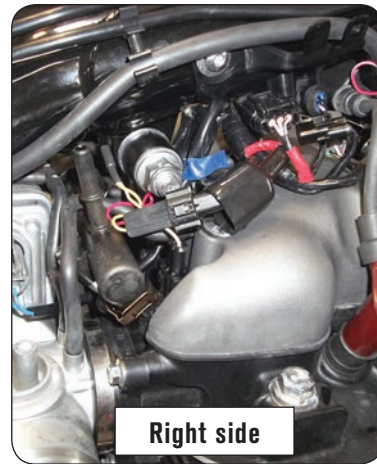
- 8 Unplug the stock Throttle Position Sensor connector located on the left side of the throttle bodies (Fig. D).



- 9 Plug the PCV wiring harness in-line of the TPS and the stock wiring harness (Fig. E).



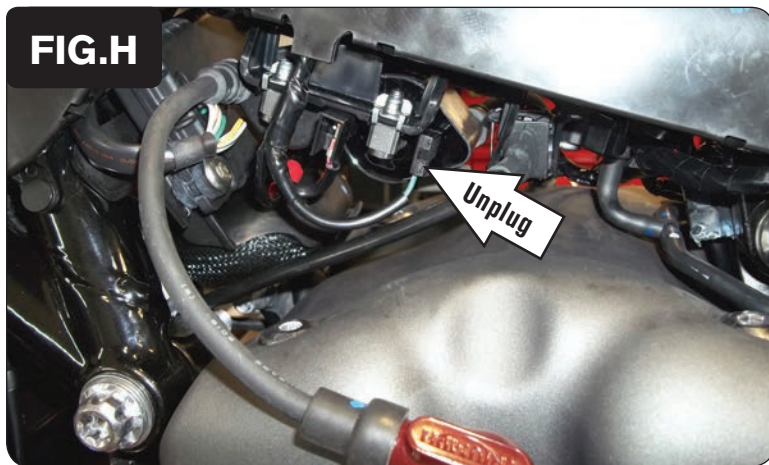
- 10 Unplug the stock wiring harness from both Fuel Injectors (Fig. F).
These connections are under a rubber boot.



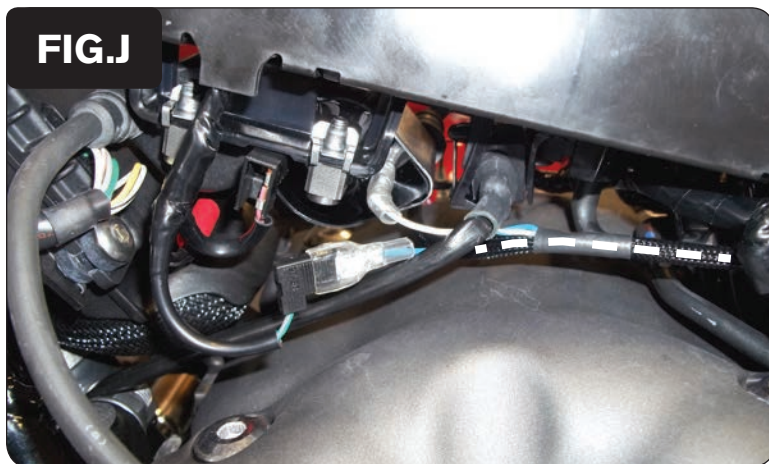
- 11 Plug the PCV wiring harness in-line of both Fuel Injectors and the stock wiring harness (Fig. G).

Connect the PCV leads with ORANGE colored wires to the left injector.

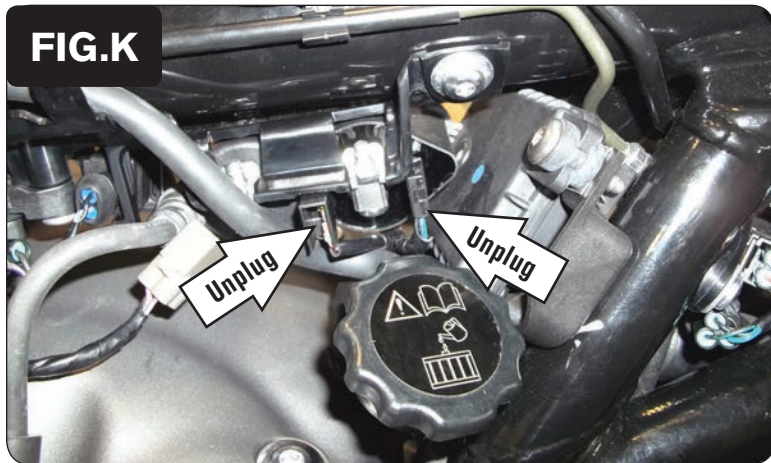
Connect the PCV leads with YELLOW colored wires to the right injector.



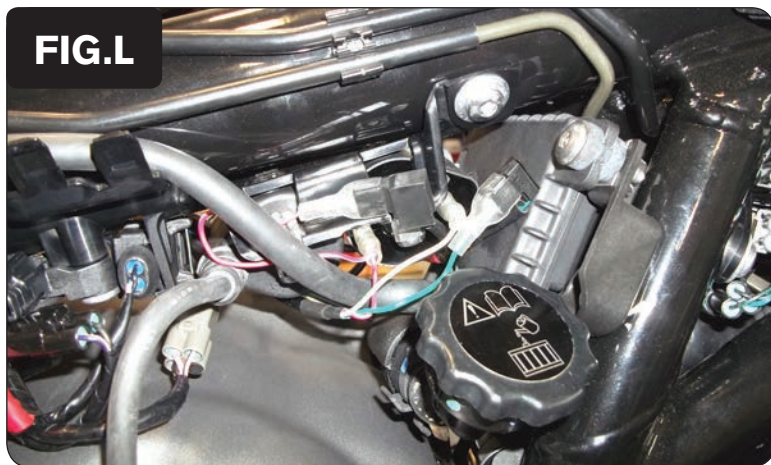
- 12 Unplug the GREEN/PINK signal wire from the right cylinder Ignition Coil (Fig. H).



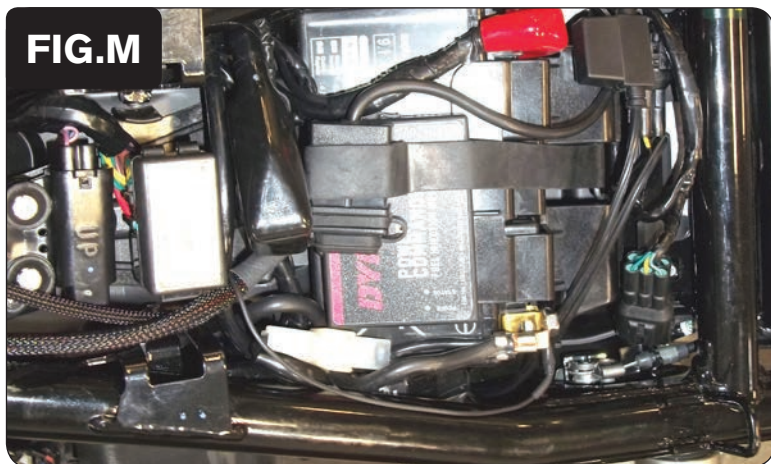
- 13 Plug the BLUE and WHITE/BLUE PCV wires in-line of the right cylinder Ignition Coil and the stock signal wire (Fig. J).



- 14 Unplug the BROWN/PINK positive (+) wire from the left cylinder Ignition Coil. Also unplug the GREEN/PURPLE signal wire from the this coil (Fig. K).



- 15 Plug the pair of RED/WHITE PCV wires in-line of the stock BROWN/PINK wire and the left cylinder Ignition Coil.
- 16 Plug the pair of GREEN and WHITE/GREEN PCV wires in-line of the stock GREEN/PURPLE wire and the left cylinder Ignition Coil (Fig. L).



- 17 Secure the PCV on top of the battery using the stock rubber hold down strap (Fig. M).
- 18 Reinstall the fuel tank, bodywork, and seats.