

[POWER COMMANDER V]

2015 Yamaha R3

Installation Instructions



PARTS LIST

- 1 Power Commander
- 1 USB Cable
- 1 Installation Guide
- 2 Power Commander Decals
- 2 Dynojet Decals
- 2 Velcro
- 1 Alcohol swab
- 1 Posi-tap

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

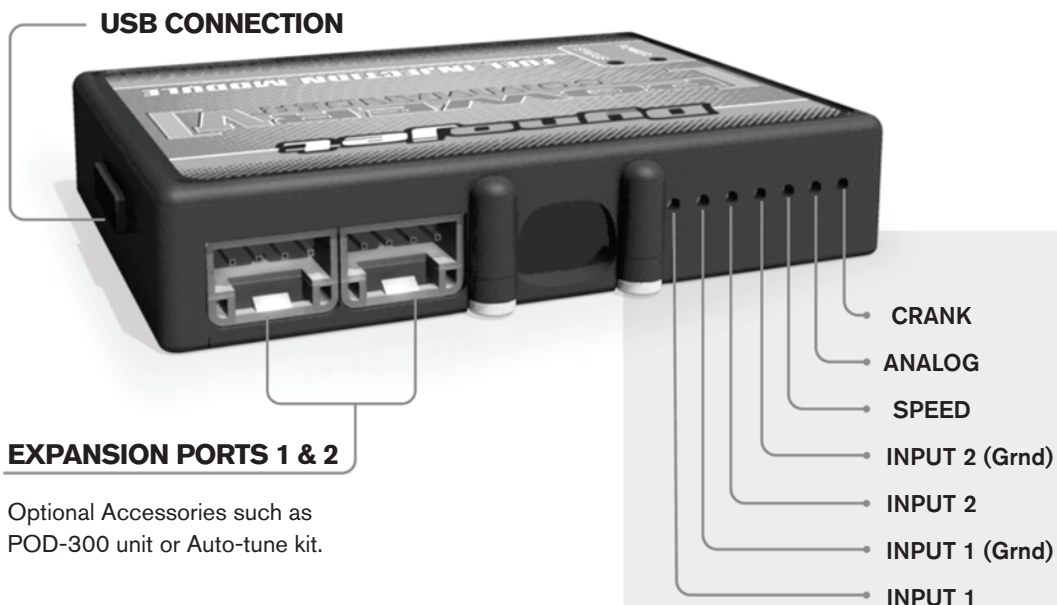
YOU CAN ALSO DOWNLOAD THE
POWER COMMANDER SOFTWARE AND
LATEST MAPS FROM OUR WEB SITE AT:
www.powercommander.com

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



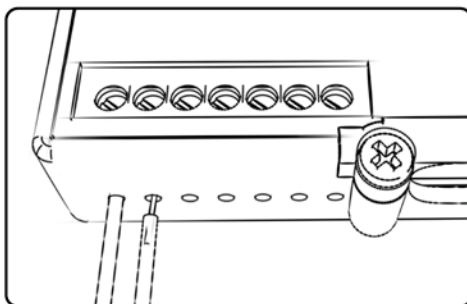
EXPANSION PORTS 1 & 2

Optional Accessories such as
POD-300 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 -

(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-

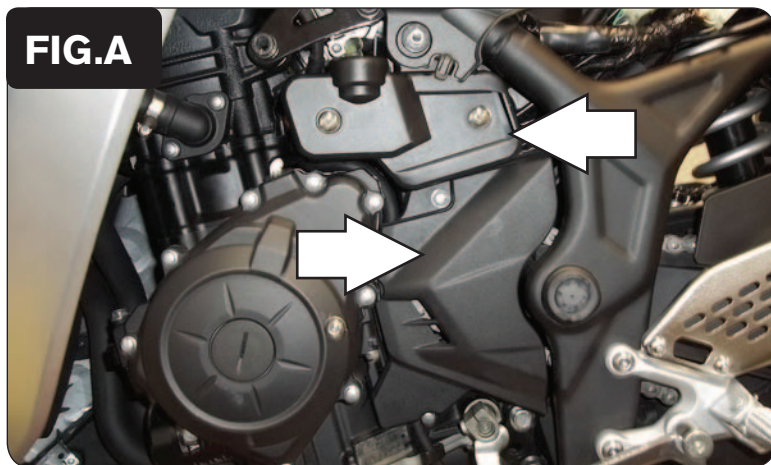
If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent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

Analog-

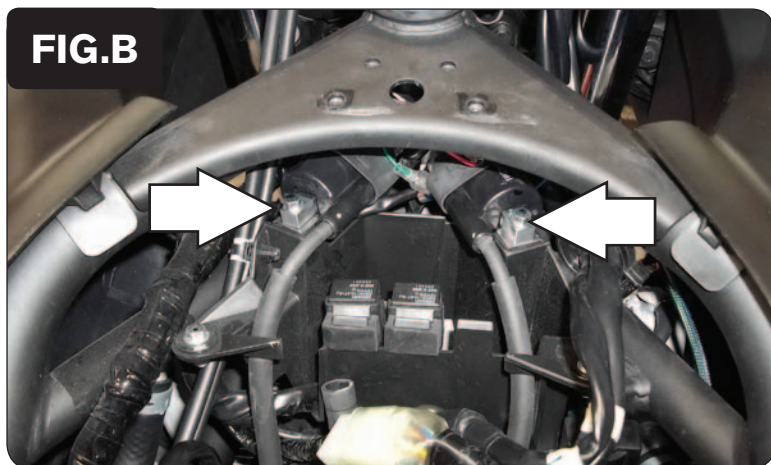
This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the control center software.

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.



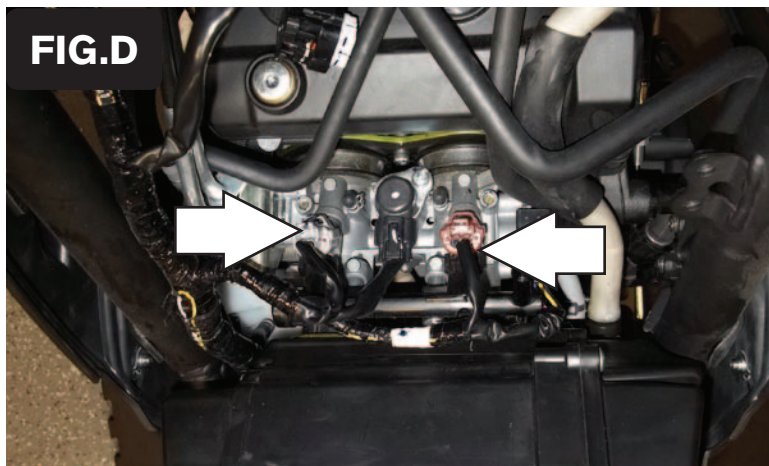
- 1 Remove the seat, fuel tank, fuel tank side panels.
- 2 Remove the 2 plastic panels on the left side of the bike as shown in Figure A.



- 3 Remove the bolts that hold the ignition coils in place (Fig. B).
This allows access to the wiring harness
- 4 Lay the PCV in the tail section and route the harness down the left side of the bike and go towards the coils.



- 5 Plug the PCV in-line of the ignition coils and wiring harness (Fig. C).
PCV Green wires - left coil - ORANGE stock wire
PCV Red/Wht wires - left coil - RED/BLK stock wire
PCV Blue wires - right coil - GRY/RED stock wire



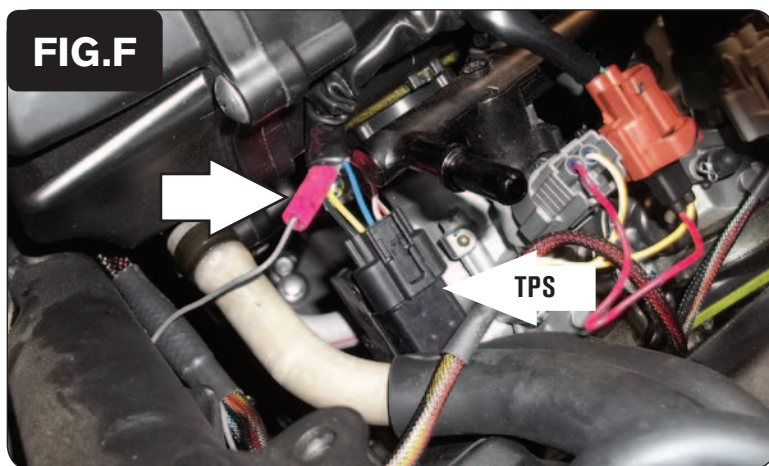
- 6 Unplug the stock harness from the fuel injectors (Fig. D)



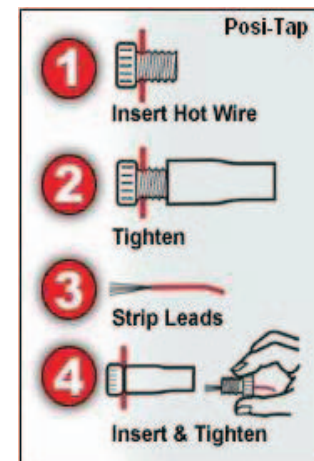
- 7 Plug the PCV in-line of the stock injectors and wiring harness (Fig. E)

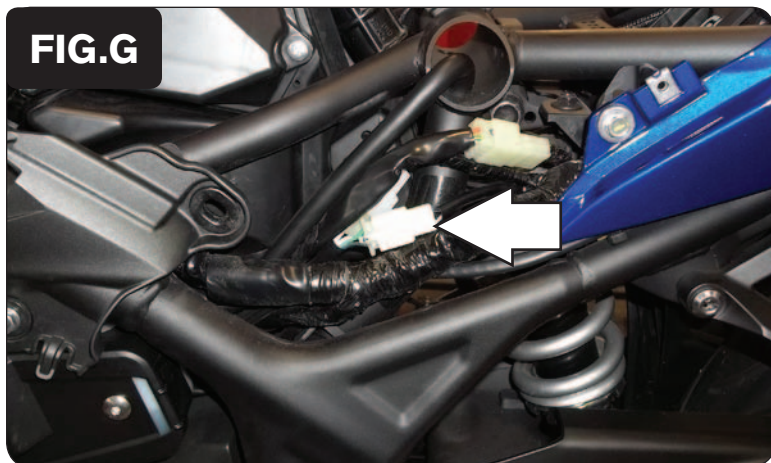
PCV Orange wires - left, Grey stock connector

PCV Yellow wires - right, Brown stock connector



- 8 Using the supplied Posi-tap attach the GREY wire of the PCV to the stock YELLOW wire of the bike's Throttle Position Sensor (Fig. F).

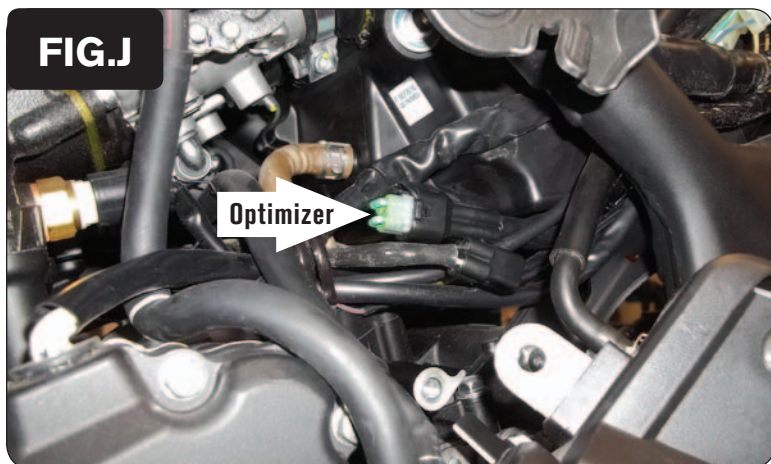




- 9 Unplug the crank position sensor connector (Fig. G).
This is a CLEAR, 3 pin connector on the left side of the motorcycle.



- 10 Plug the PCV in-line of the stock CPS and wiring harness (Fig. H).



- 11 Unplug the stock O2 sensor and plug the supplied O2 Optimizer into the wiring harness (Fig. J).
The O2 connector is located under the cover that was removed in step 2.
The stock O2 sensor will no longer be connected to anything and can be removed if desired.
- 12 Reinstall all bodywork.