

[POWER COMMANDER V]

FUEL AND IGNITION

2008-2015 Yamaha WR250 X/R

Installation Instructions



PARTS LIST

- 1 Power Commander
- 1 USB Cable
- 1 Installation Guide
- 2 Power Commander Decals
- 2 Dynojet Decals
- 2 Zip ties

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

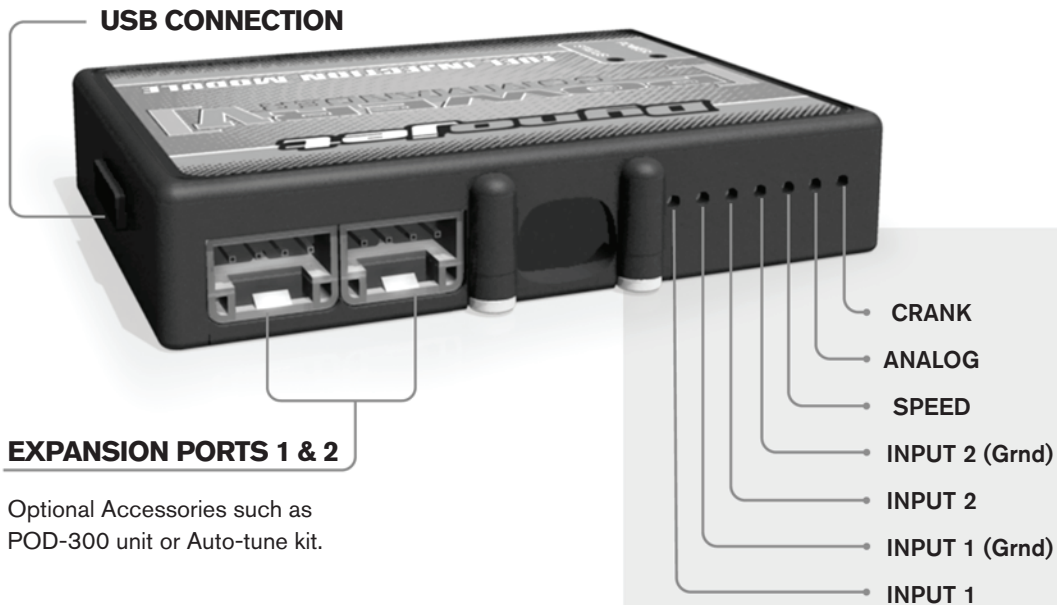
THE LATEST POWER COMMANDER
SOFTWARE AND MAP FILES CAN BE
DOWNLOADED FROM OUR WEB SITE AT:
www.powercommander.com

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

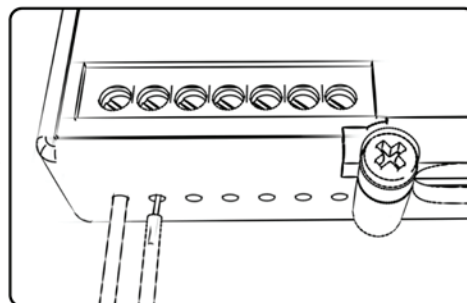


Optional Accessories such as POD-300 unit or Auto-tune kit.

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-

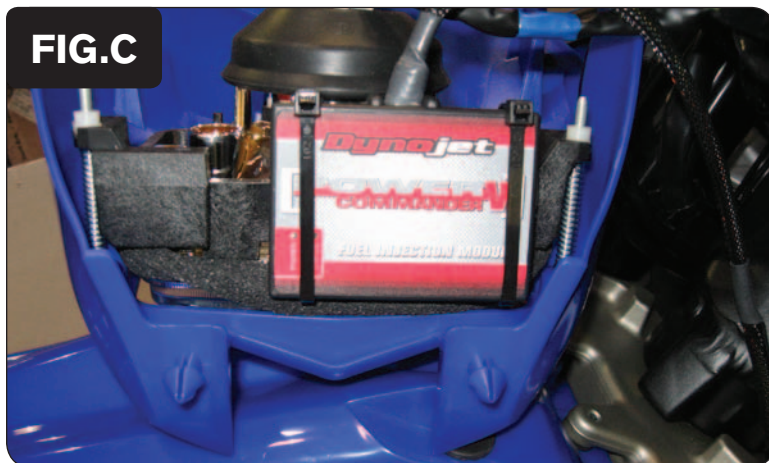
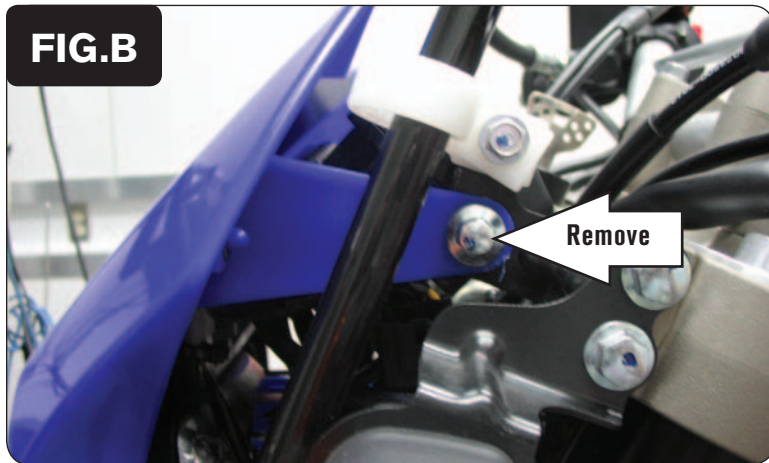
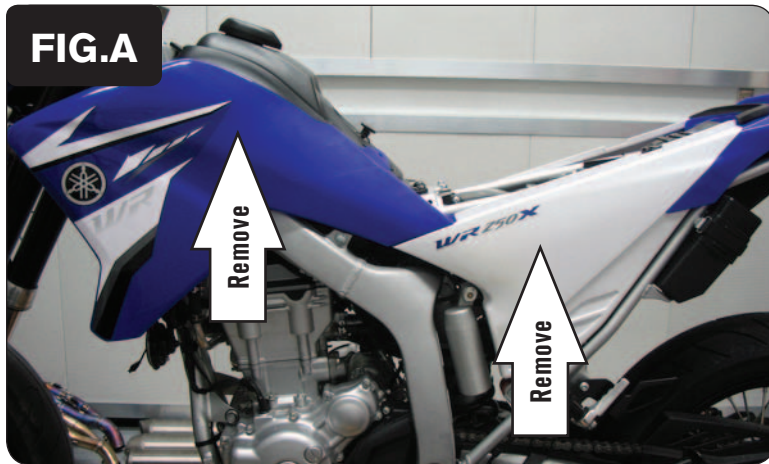
If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent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

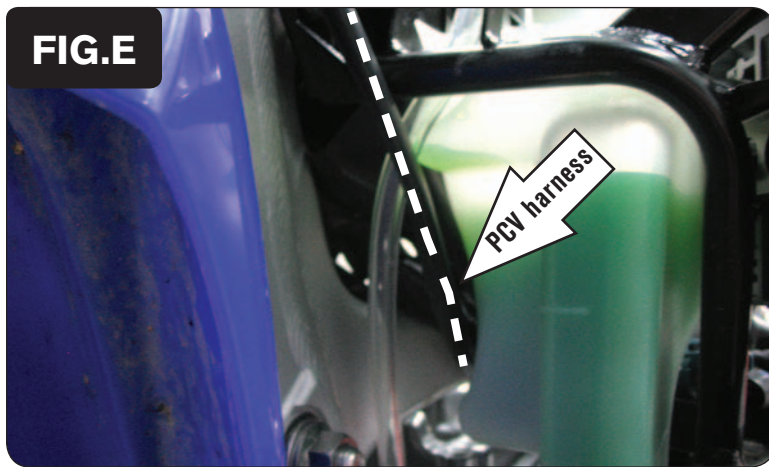
Do **NOT** connect anything to this port unless instructed to do so by Dynojet. It is used to transfer crank trigger data from one module to another.



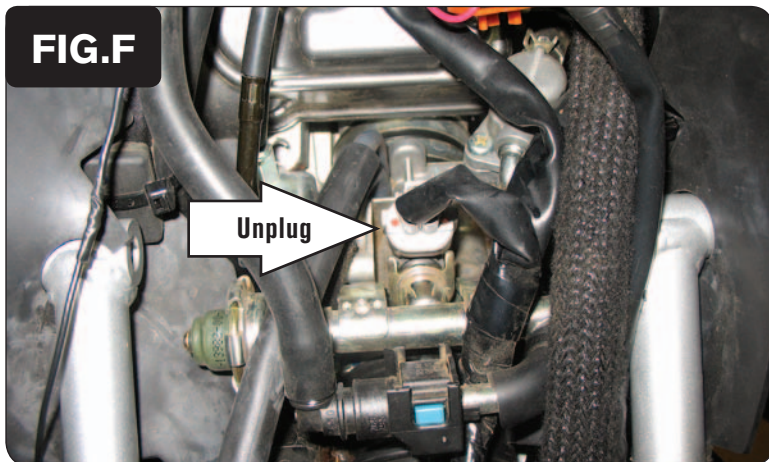
- 1 Remove the seat and fuel tank.
- 2 Remove both side covers (Fig. A).
- 3 Remove the headlight by removing the bolt shown in Figure B on both sides.
- 4 Attach the PCV to the bottom of the headlight using the supplied zip ties (Fig. C).



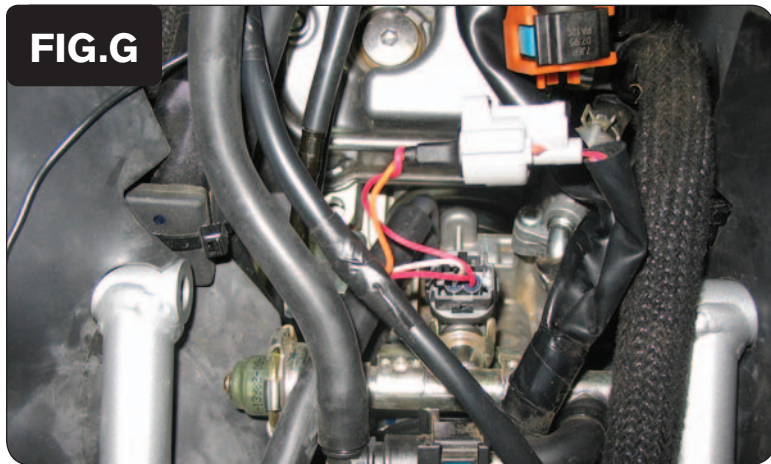
- 5 Route the PCV harness thru the cable guide on the left hand side of the frame (Fig. D).



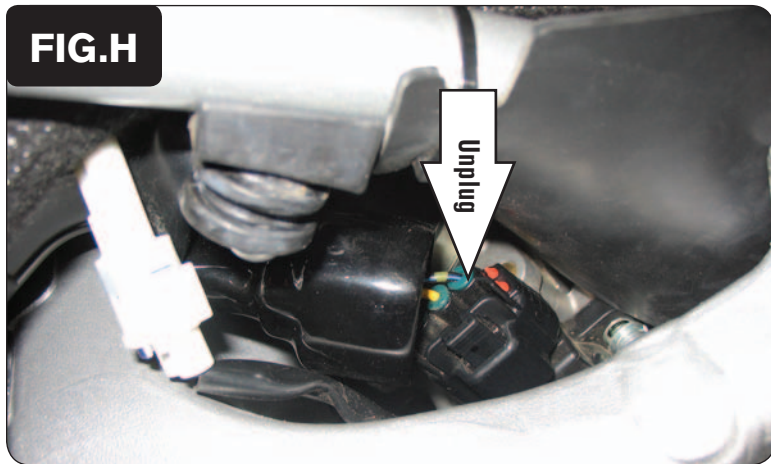
- 6 Route the PCV harness between the frame and coolant reserve bottle (Fig. E). Continue to route above the engine and go towards the throttle body.



- 7 Unplug the stock wiring harness from the fuel injector (Fig. F).



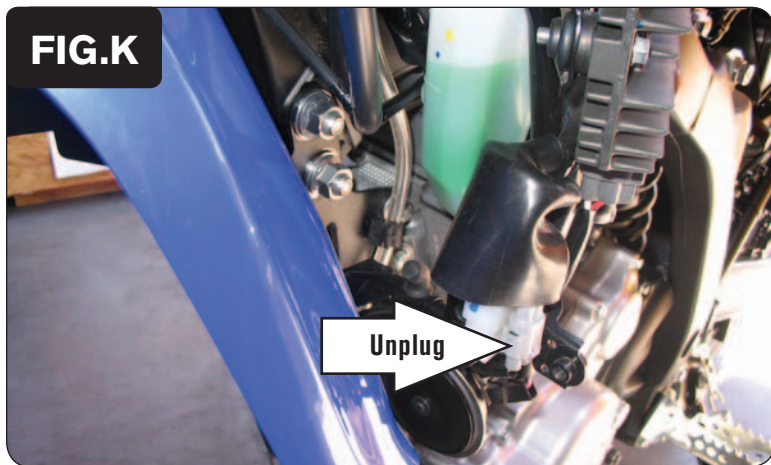
- 8 Plug the PCV connectors in-line of the stock wiring harness and fuel injector (Fig. G).



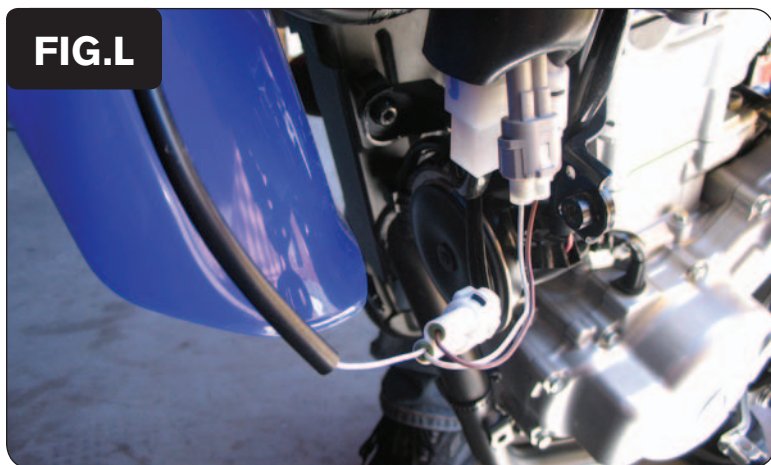
- 9 Locate the Throttle Position Sensor connector on the right hand side of the throttle body.
This connector is covered with a BLACK rubber boot.
- 10 Unplug the TPS connector from the throttle body (Fig. H).



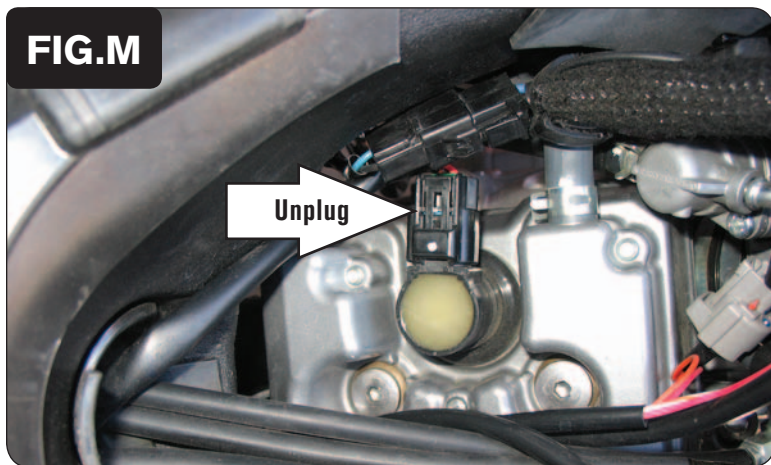
- 11 Plug the PCV connectors in-line of the stock TPS and wiring harness (Fig. J).



- 12 Locate the 2-pin GREY connector under the left hand radiator cover.
This connector is inside the BLACK rubber boot.
- 13 Unplug the crank pickup coil connector (Fig. K)

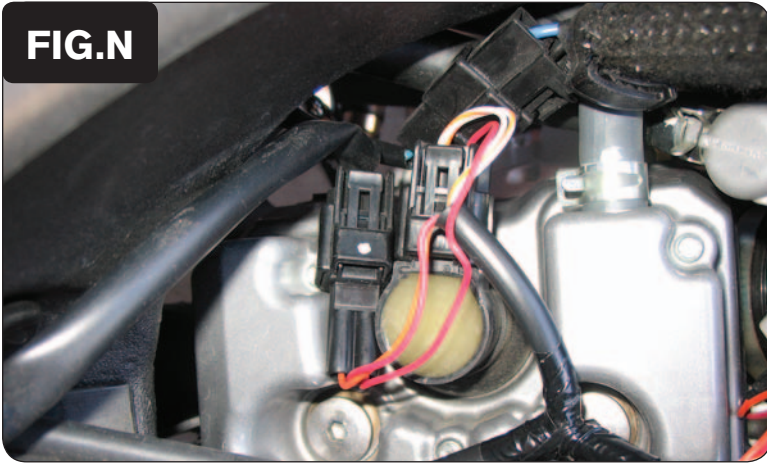


- 14 Plug the WHITE connectors from the PCV in-line of the stock wiring harness and crank pickup coil sensor (Fig. L).



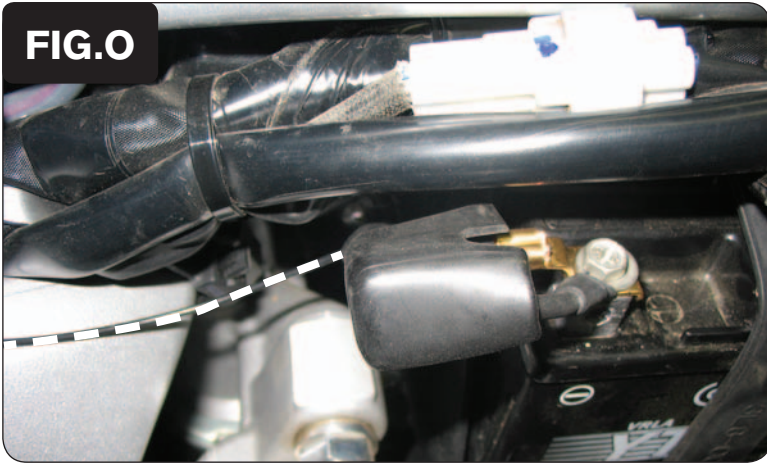
- 15 Unplug the stock wiring harness from the coil stick (Fig. M).

FIG.N



16 Plug the PCV in-line of the stock wiring harness and coil stick (Fig. N).

FIG.O



17 Attach the ground wire of the PCV with the small ring lug to the negative (-) terminal of the bike's battery (Fig. O).

18 Reinstall side covers and fuel tank.

Optional inputs:

Speed input - WHITE wire of 3-pin connector. This connector is located near the negative side of the battery.

12v source for Auto Tune - BROWN wire of 3-pin connector for tail light. This connector is located near the positive side of the battery.