[POWER COMMANDER V]

FUEL AND IGNITION

2010-2013 Yamaha YZ450F

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	Zip tie

THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION!

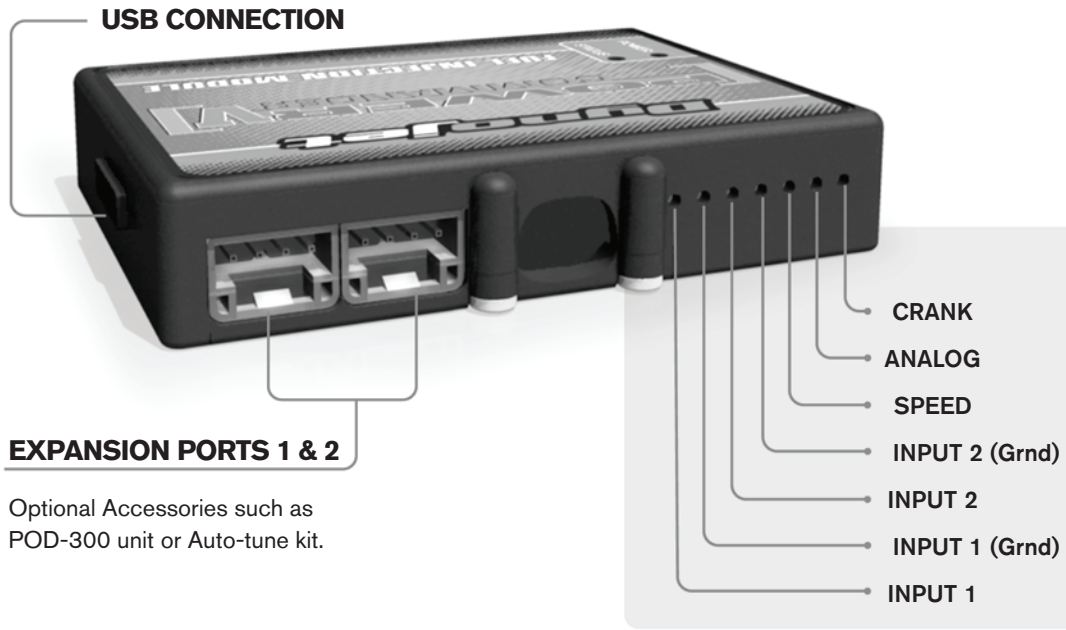
THE LATEST POWER COMMANDER SOFTWARE AND MAP FILES CAN BE DOWNLOADED FROM OUR WEB SITE AT: www.powercommander.com

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

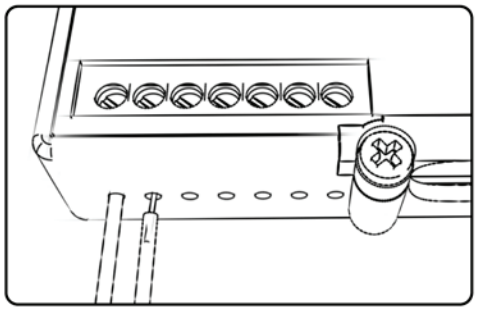


Optional Accessories such as POD-300 unit or Auto-tune kit.

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 is 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.

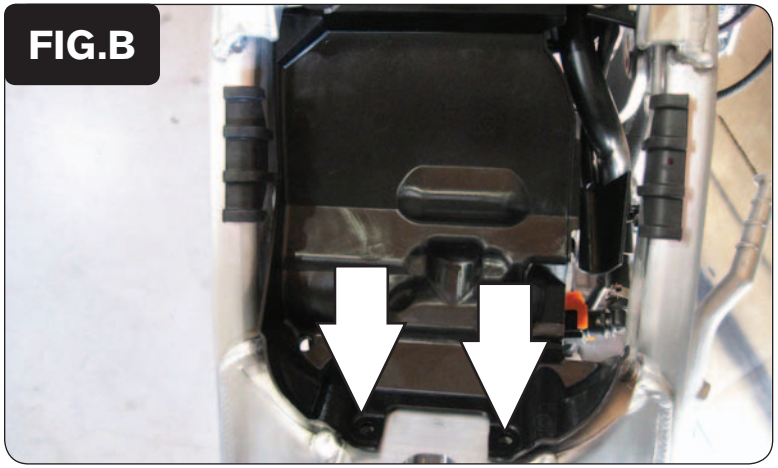
FIG.A

1 Remove the seat.

2 Remove the airbox and radiator covers on the right hand side (Fig. A).

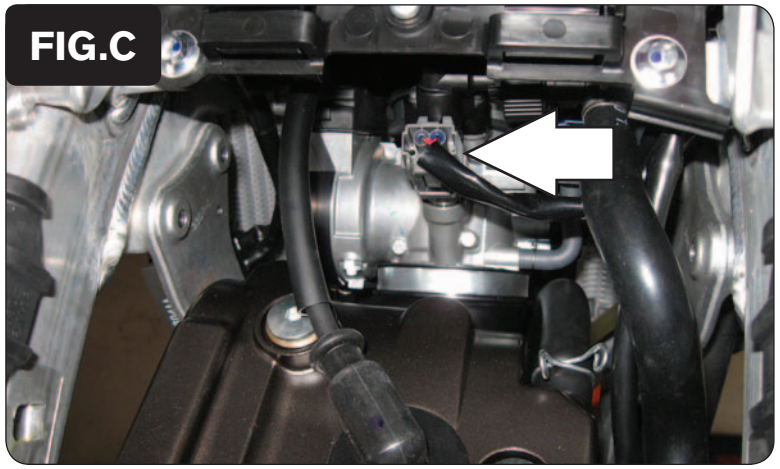
3 Remove the fuel tank.

FIG.B

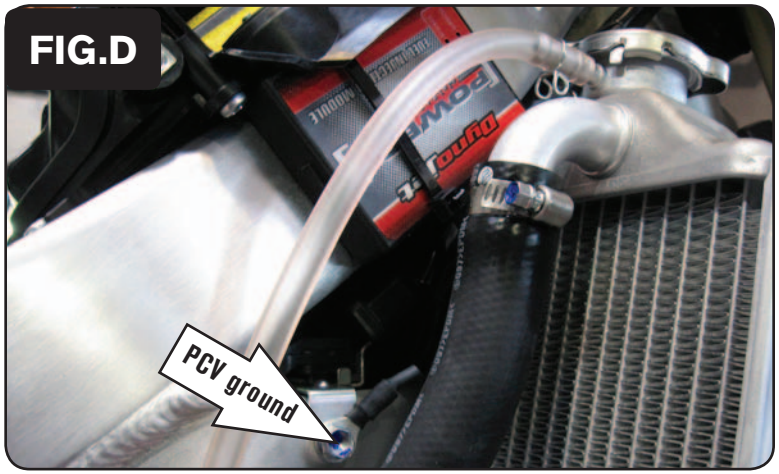


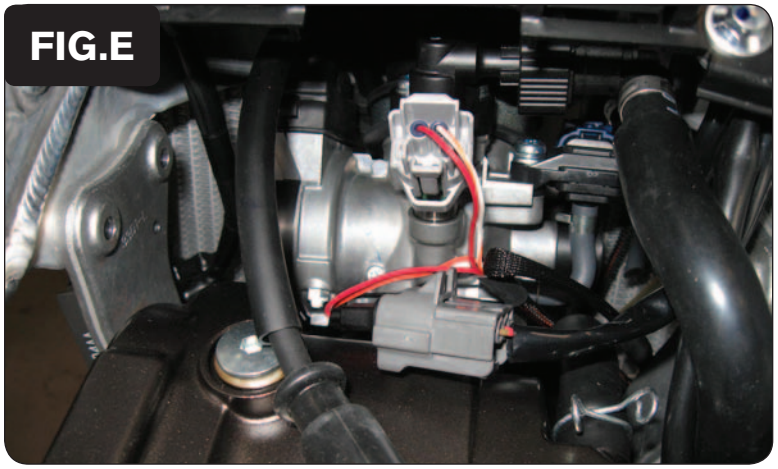
4 Remove the tray underneath the fuel tank by removing the 2 push pins (Fig. B).

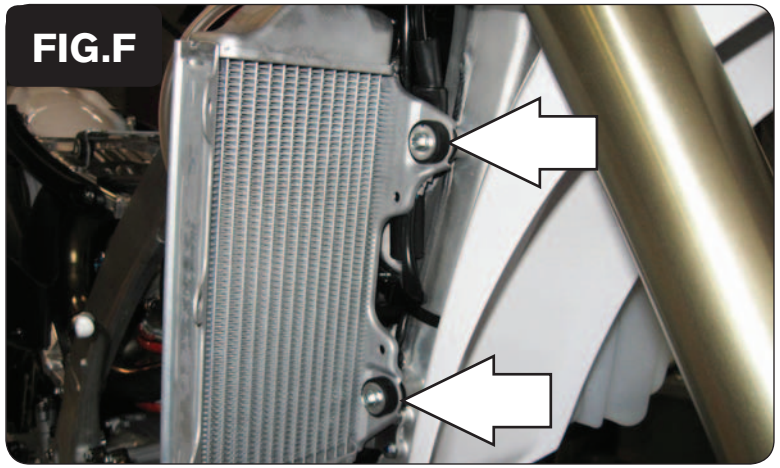
FIG.C



5 Unplug the stock wiring harness from the fuel injector (Fig. C).







6 Install the PCV module to the right hand side of the frame using the supplied Velcro and/or the zip tie (Fig. D).

7 Attach the ground wire of the PCV to the bolt shown in Figure D.

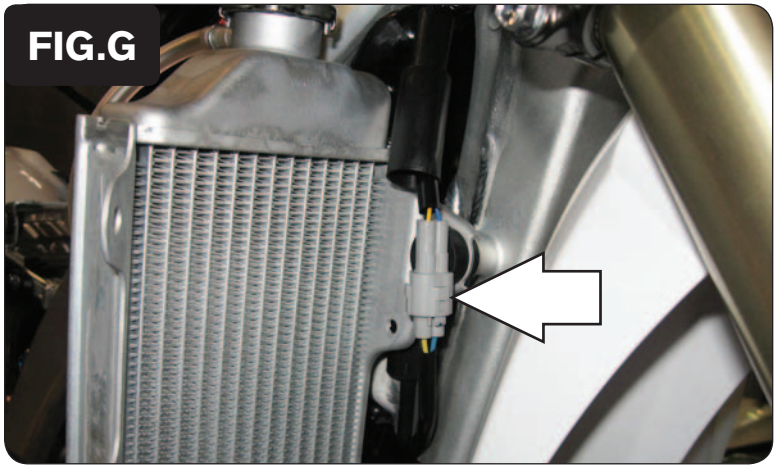
8 Route the PCV harness to the inside of the frame and go towards the injector.

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

10 Remove the 2 radiator mounting bolts on the right hand side of the bike (Fig. F).

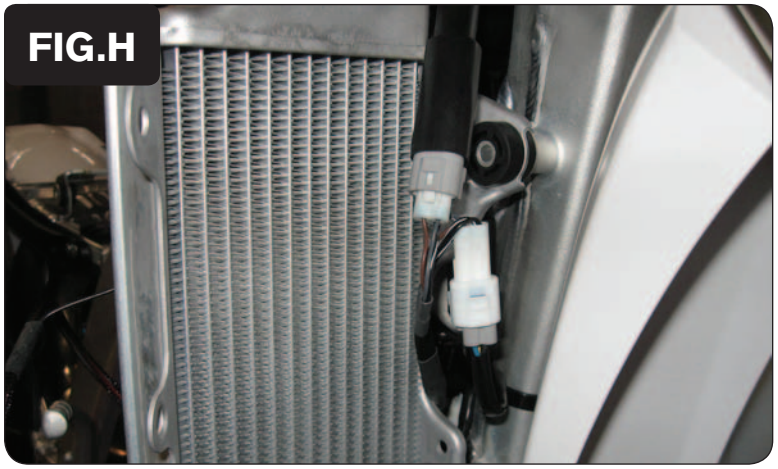
This allows access to the wiring harness behind the radiator.

FIG.G



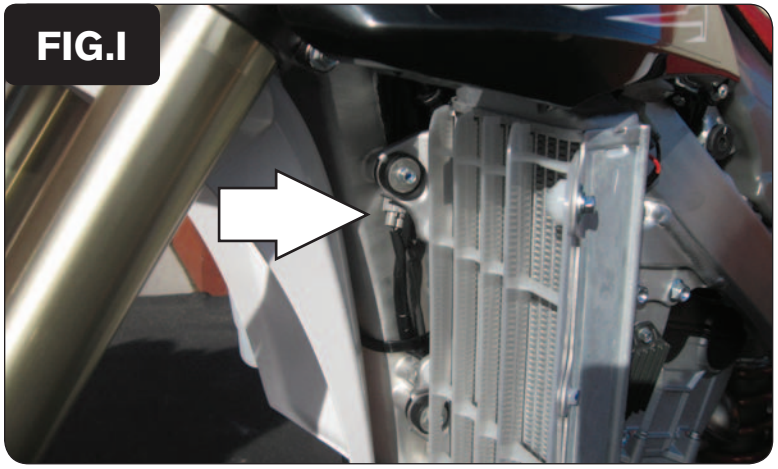
11 Locate the 3 pin GREY connector and unplug it (Fig. G).

FIG.H



12 Plug the PCV harness in-line of the stock wiring harness for the Throttle Position Sensor connectors (Fig. H).

FIG.I



13 Locate the crank position sensor connector on the front of the radiator left of the frame (Fig I).

FIG.J

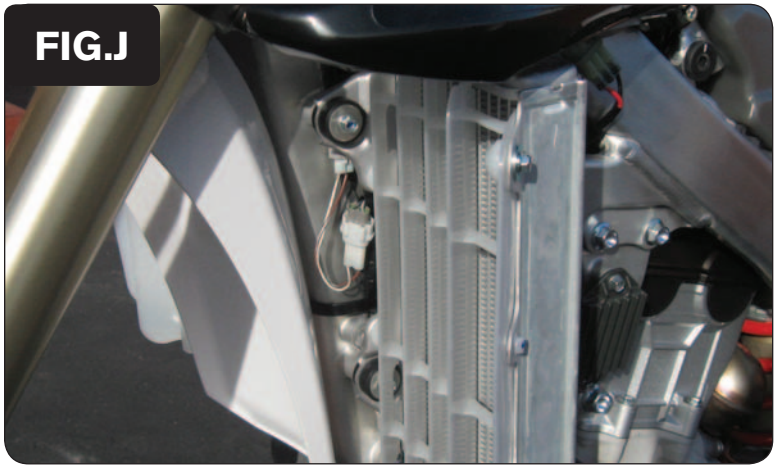


FIG.K

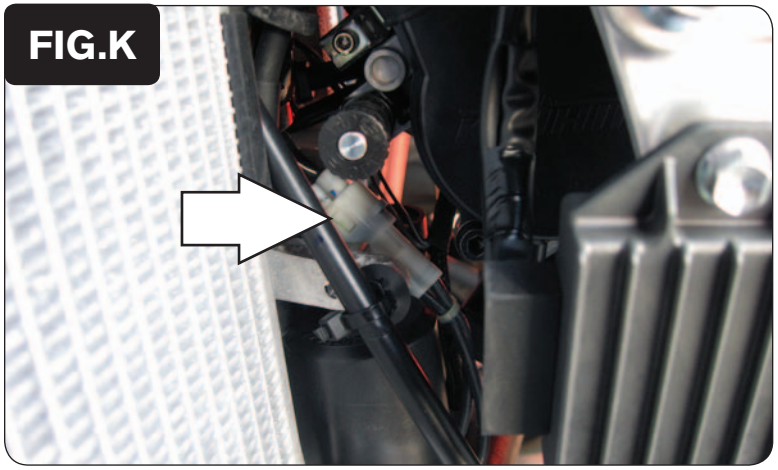
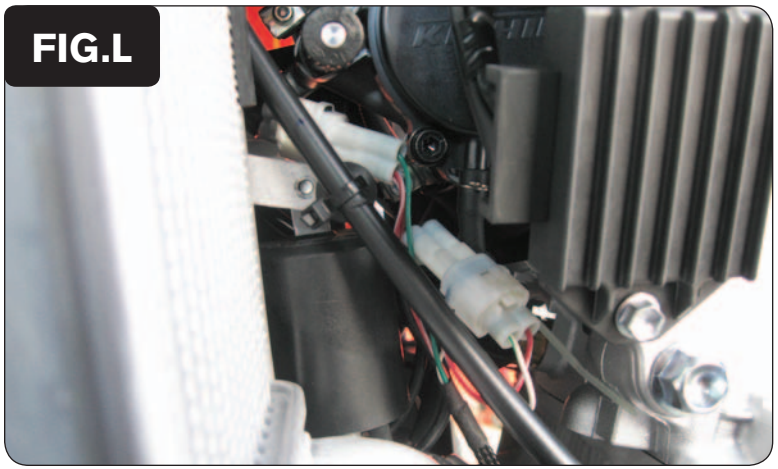


FIG.L



14 Plug the PCV harness in-line of the stock wiring harness for the crank position sensor connectors (Fig. J).

15 Locate the ignition coil connectors behind the radiator on the left hand side of the bike (Fig. K).

16 Plug the PCV harness in-line of the stock wiring harness for the ignition coil (Fig. L).

17 Reinstall the fuel tank tray, fuel tank, radiator, and bodywork.