

# [POWER COMMANDER V]

## 2013 KTM 450 SX-F

### 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
- 5 Zip Tie

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

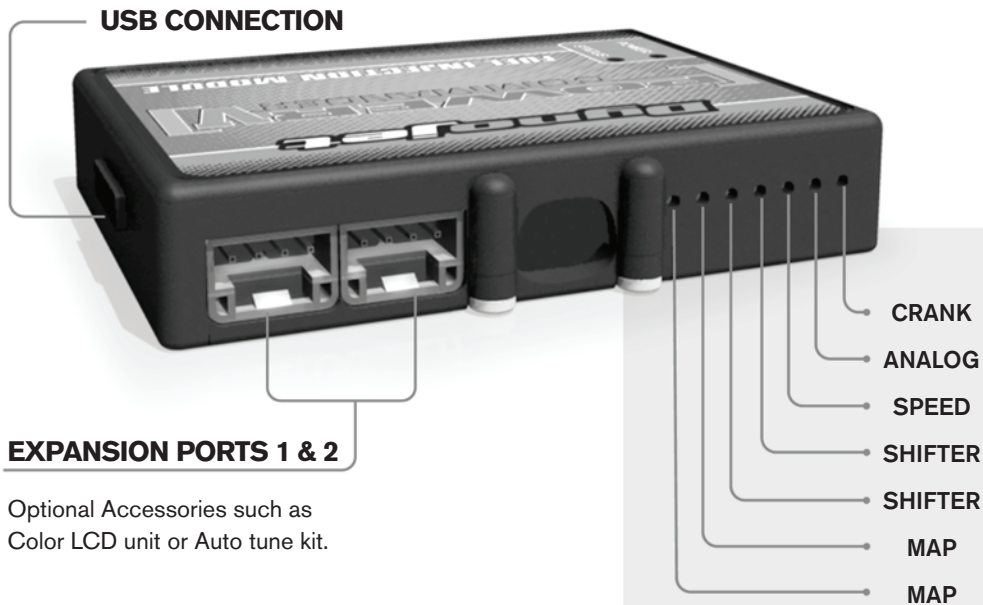
YOU CAN ALSO DOWNLOAD THE POWER COMMANDER SOFTWARE AND LATEST MAPS FROM OUR WEB SITE AT:  
[www.powercommander.com](http://www.powercommander.com)

**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION**

**Dynojet**

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# 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 -

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-

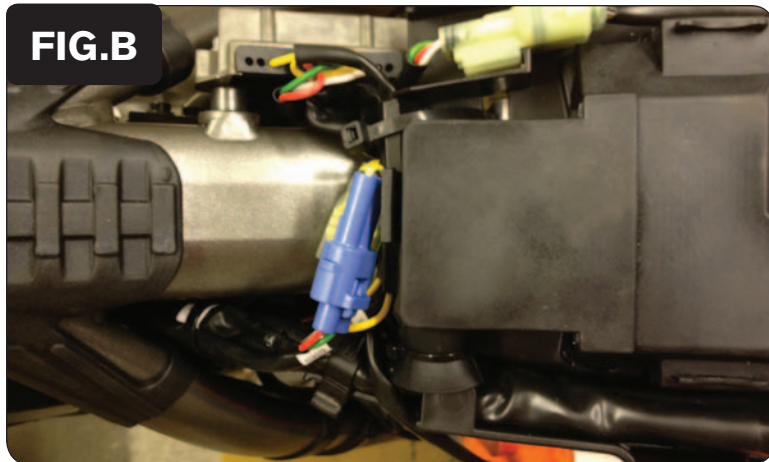
This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the control center software.

### 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.



- 1 Remove the seat.
- 2 Remove the fuel tank.
- 3 Using the battery retention strap, secure the PCV to the battery as shown in Figure A.
- 4 Attach the ground wire from the PCV to the negative side of the battery as shown in Figure A.



- 5 Locate the blue crank position connector as shown in Figure B. The crank position connector is located in front of the ECU.
- 6 Unplug the crank position connector.



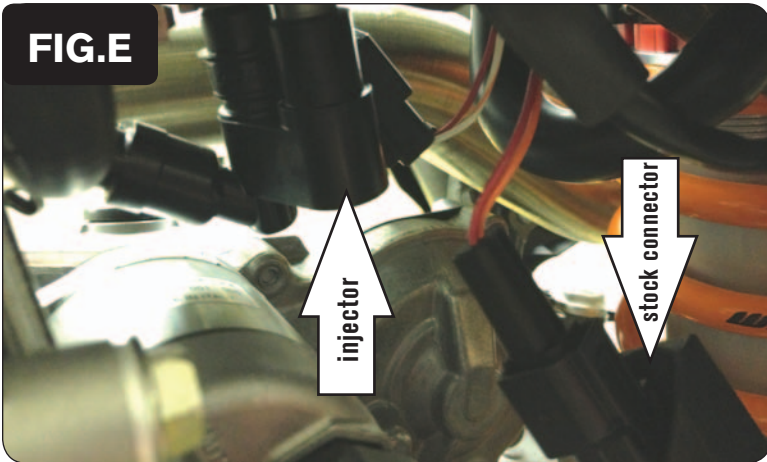
- 7 Attach the connectors from the PCV harness to the stock crank sensor connectors as shown in Figure C.

**FIG.D**



- 8 Route the PCV harness downward through the frame.
- 9 Unplug the Throttle Position Sensor (TPS) connector.
- 10 Attach the connectors from the PCV harness to the stock connectors as shown in Figure D.

**FIG.E**



- 11 Unplug the injector connector.
- 12 Attach the connectors from the PCV harness to the stock connectors as shown in Figure E.
- 13 Using the supplied zip ties, secure the PCV harness where desired.
- 14 Reinstall the fuel tank.
- 15 Reinstall the seat.