[POWER COMMANDER V]

2009-2014 Suzuki M90
2013-2014 Suzuki C90 & C90 SE

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

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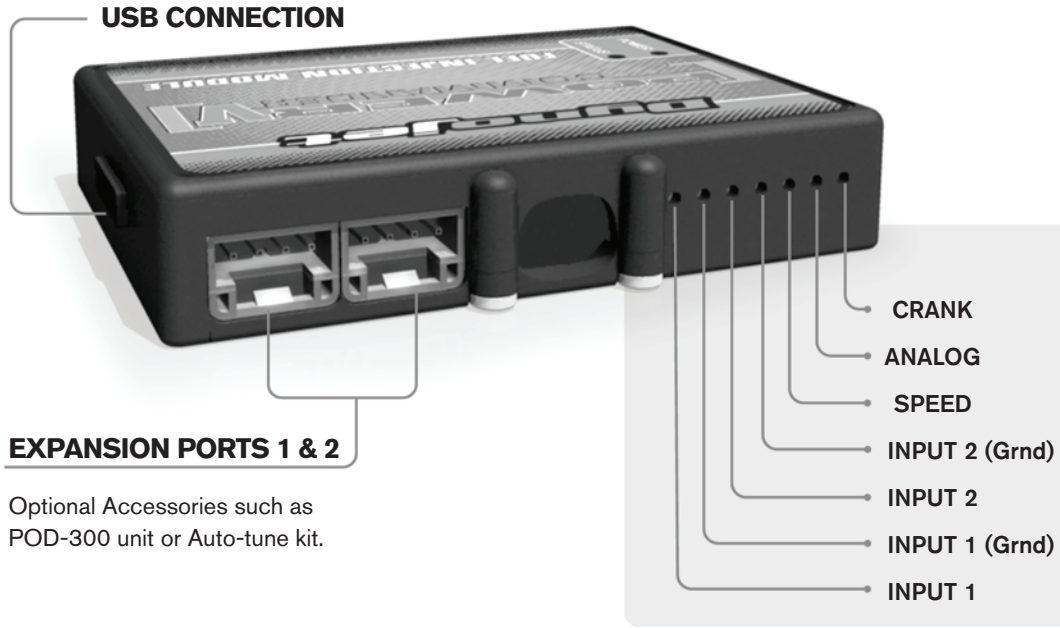
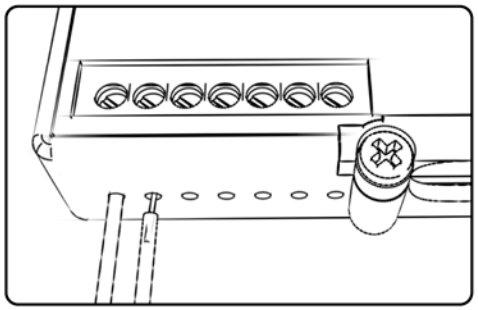
POWER COMMANDER V
INPUT ACCESSORY GUIDE



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 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

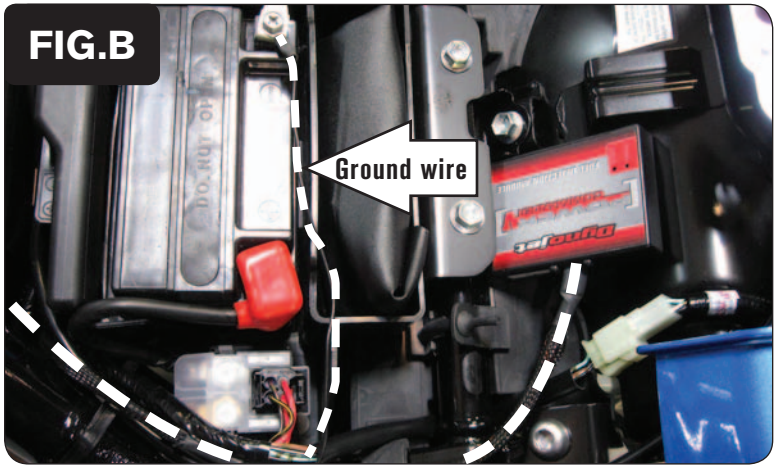
1 Remove the main seat and both side covers.

2 Remove the fuel tank.

3 Remove the air box (Fig. A).

There are several hoses going into the air box. We recommend referring to the service manual for proper removal and installation.

FIG.B



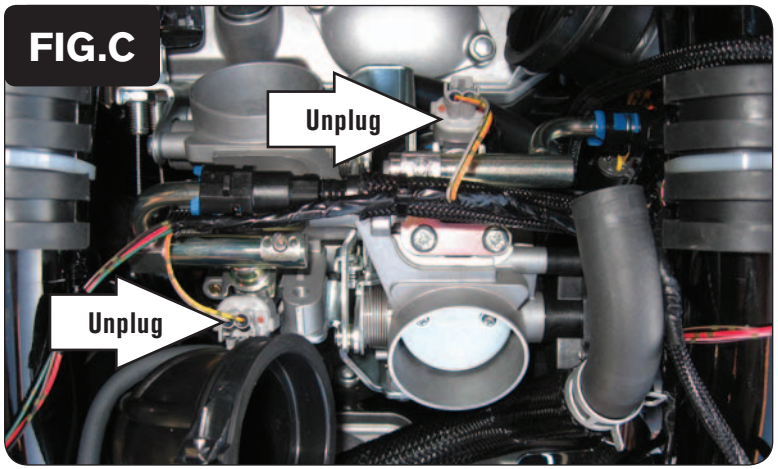
4 Secure the PCV to the inner rear fender using the supplied Velcro (Fig. B).

Make sure to clean both surfaces with the supplied alcohol swab prior to attaching the Velcro adhesive.

5 Route the PCV harness along the left side of the frame and go towards the throttle bodies.

6 Secure the ground wire of the PCV wiring harness with the small ring lug to the negative (-) terminal of the bike's battery (Fig. B).

FIG.C



7 Unplug the stock wiring harness from both fuel injectors (Fig. C).

FIG.D

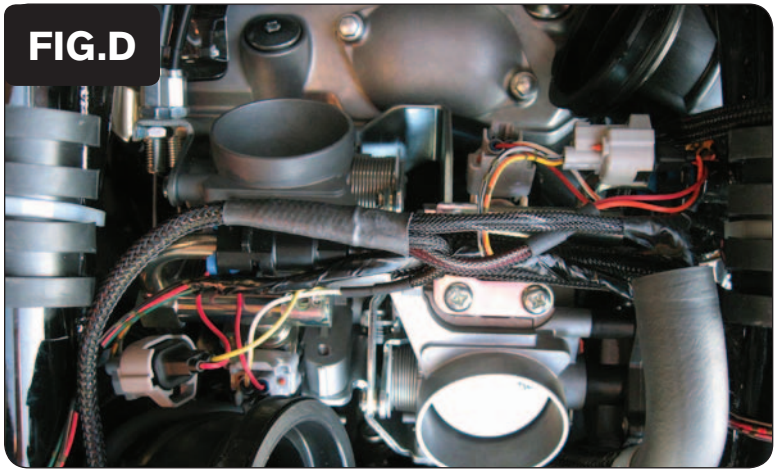
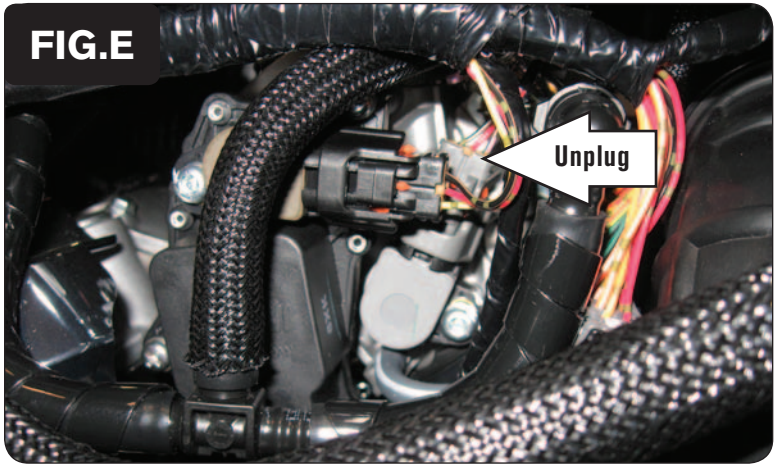


FIG.E



8 Plug the connectors from the PCV in-line of the fuel injectors and the stock wiring harness (Fig. D).

The pair of PCV leads with ORANGE colored wires go in-line of the front cylinder (right throttle body) fuel injector.

The pair of PCV leads with YELLOW colored wires go in-line of the rear cylinder (left throttle body) fuel injector.

9 Unplug the Primary Throttle Position Sensor connector (Fig. E). This connector is located on the right hand side of the throttle bodies and is GREY in color.

*Do **NOT** unplug the BLACK connector for the Secondary Throttle Position Sensor.*

10 Plug the pair of 3-pin connectors of the PCV wiring harness in-line of the stock wiring harness and the Primary Throttle Position Sensor.

11 Reinstall the air box and fuel tank.

Optional inputs:

Speed input - PINK wire of BLACK 3-pin connector. Sensor is located behind the left sidecover near the ignition switch.

Temperature input - BLACK/BLUE wire from temp sensor behind right side dummy air box cover

12v source for Auto-tune - BROWN wire in 6-pin connector for tail light. Located under the driver seat.