

# [POWER COMMANDER V]

**2005-2009 Suzuki C90**

**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!**

THE LATEST POWER COMMANDER SOFTWARE AND MAP FILES CAN BE DOWNLOADED 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 -

(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-

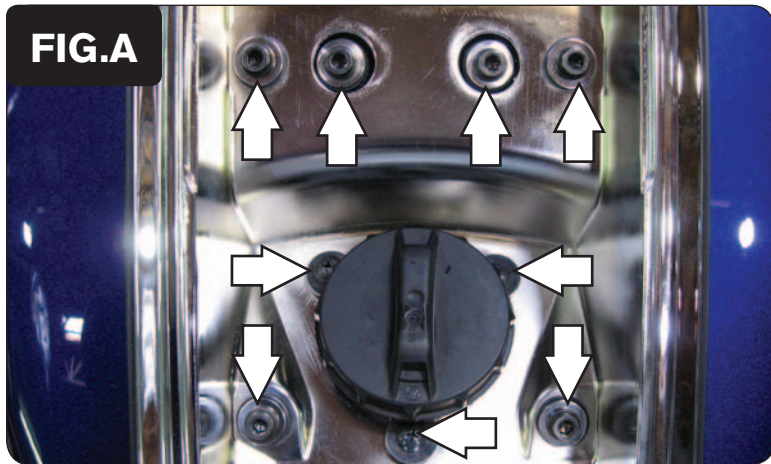
If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent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

### Analog-

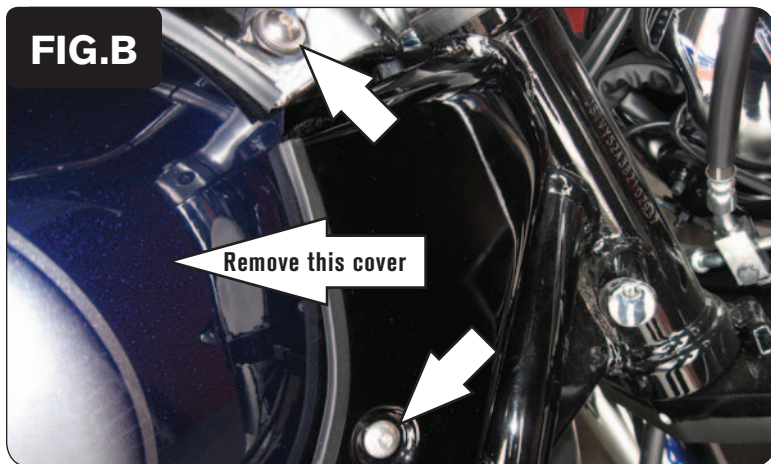
This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the control center software.

### Crank-

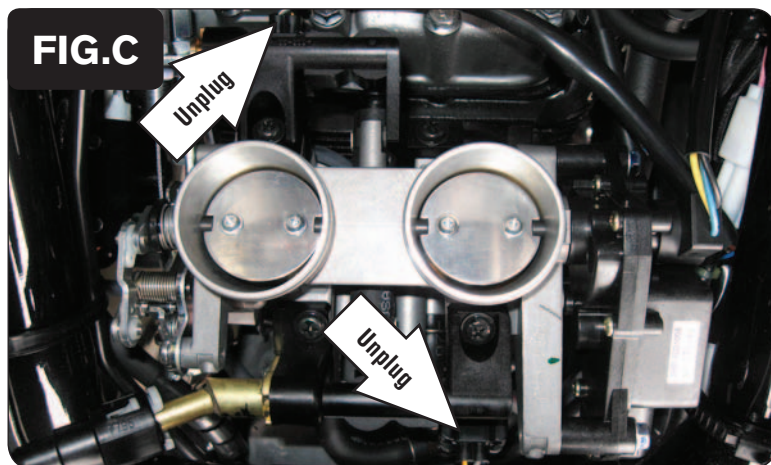
Do **NOT** connect anything to this port unless instructed to do so by Dynojet. It is used to transfer crank trigger data from one module to another.



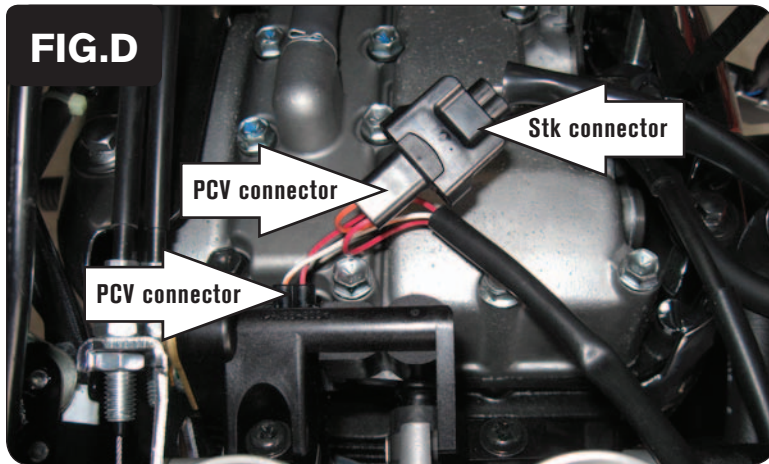
- 1 Remove the main seat and the passenger seat.
- 2 Remove the center gauge cluster (Fig. A).



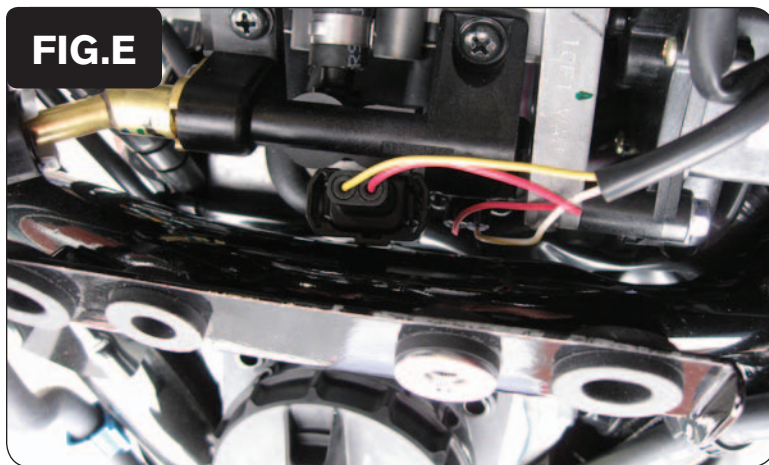
- 3 Remove the right and left cosmetic covers (Fig. B).
- 4 Remove the airbox by loosening the two hose clamps and disconnecting the air box temp sensor harness.



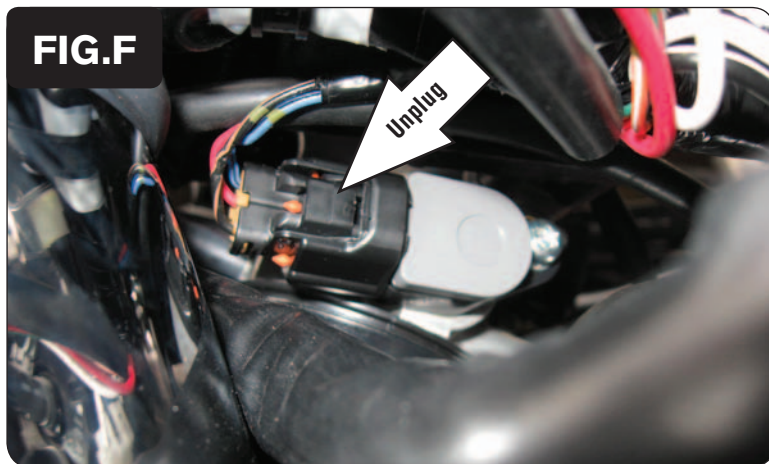
- 5 Unplug the wiring harness from each injector (Fig. C).
- 6 Lay the PCV on top of the front valve cover temporarily.



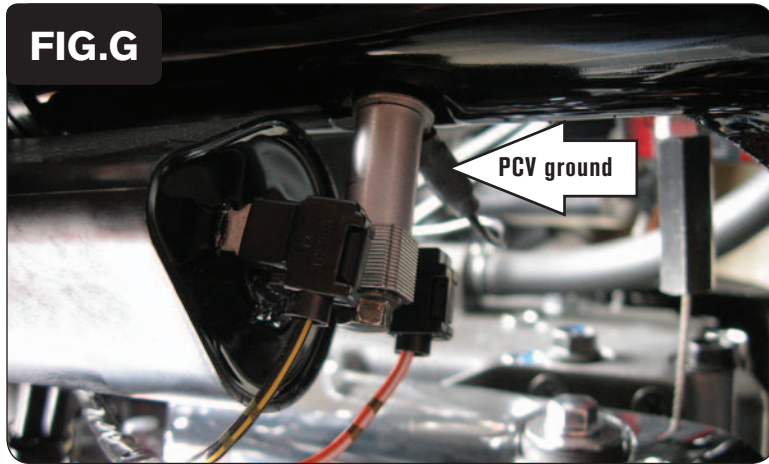
- 7 Plug the ORANGE colored wires of the PCV in-line of the stock wiring harness and front injector (Fig. D).



- 8 Plug the YELLOW colored wires of the PCV in-line of the stock wiring harness and rear injector (Fig. E).



- 9 Locate the Throttle Position Sensor on the right hand side of the throttle bodies (Fig. F).
- 10 Disconnect the wiring harness from the TPS.
- 11 Plug the 3 pin connectors from the PCV in-line of the stock TPS and wiring harness.



- 12 Unscrew the front bolt that holds the ignition coil to the frame.  
Screw the bolt back in thru the ground wire from the PCV (Fig. G).
- 13 Reinstall the air box.

- 14 Attach the PCV to the bottom side of the air box using the supplied velcro.  
Make sure to clean both surfaces with the alcohol swab first.
- 15 Reinstall the removed bodywork.

**Optional Inputs:**

**Speed** - PINK wire of speed sensor. Located behind R.H engine cover.

**Engine Temperature** - BLACK/BLUE wire of BLACK 2-pin connector behind rear brake master cylinder.

**12v source for Auto-tune** - BROWN wire of tail light connector under seat.