

# [POWER COMMANDER V]

**2000-2006 Honda RC-51**

**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!**

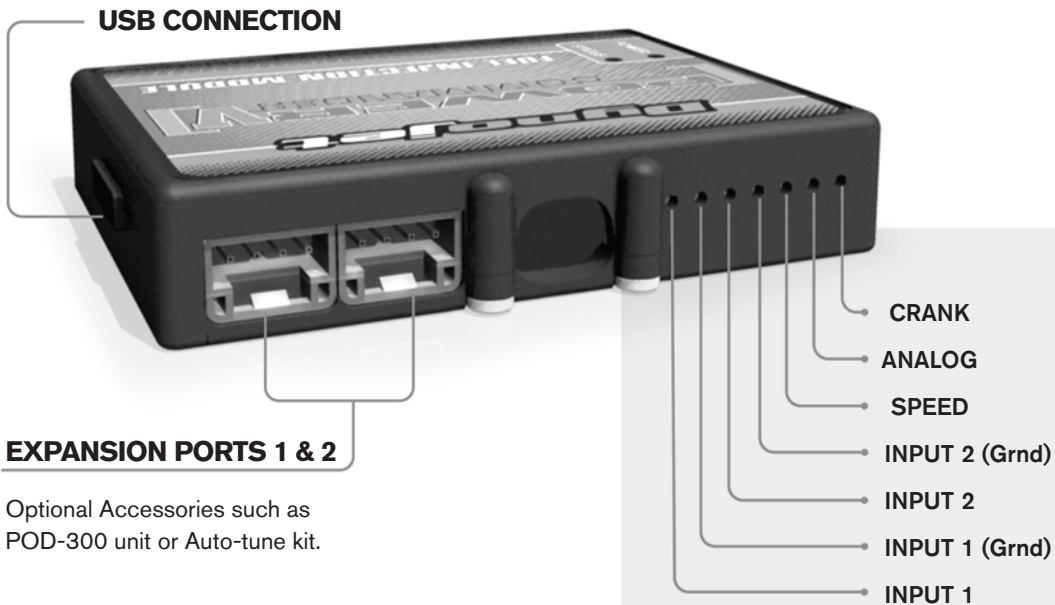
THE LATEST POWER COMMANDER  
SOFTWARE AND MAP FILES CAN BE  
DOWNLOADED FROM OUR WEB SITE AT:  
[www.powercommander.com](http://www.powercommander.com)

**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION**

**Dynojet**

2191 Mendenhall Drive North Las Vegas, NV 89081 (800) 992-4993 [www.powercommander.com](http://www.powercommander.com)

# 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-

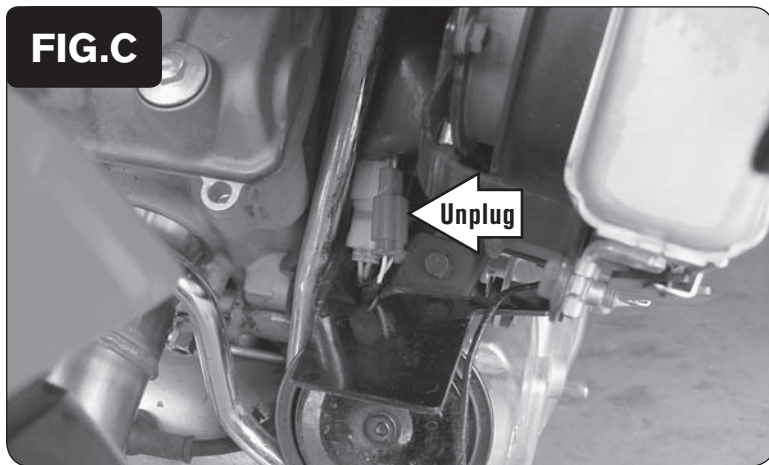
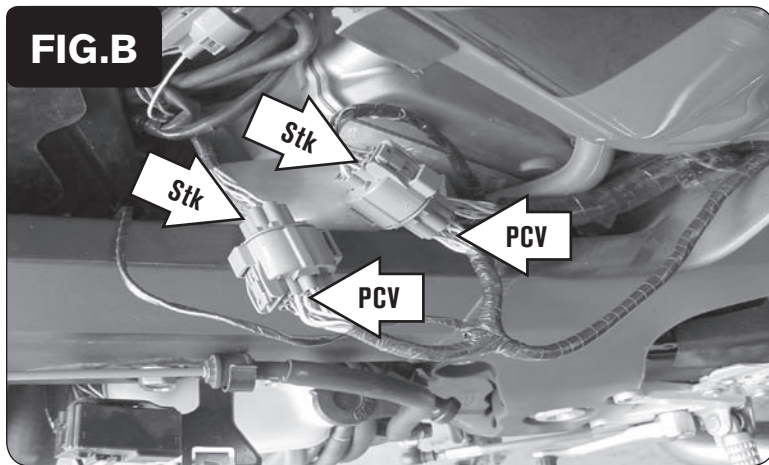
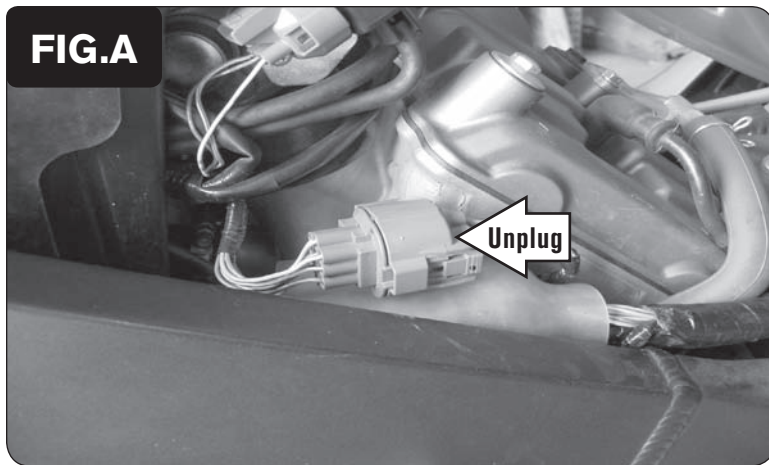
If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent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



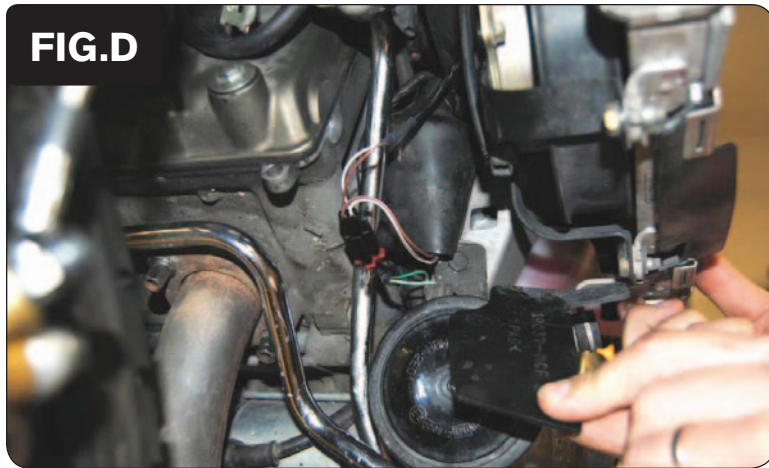
- 1 Remove the main seat and rear solo seat cover. Remove the left hand side fairing.
- 2 Prop the front of the fuel tank up.
- 3 Locate the connector in Fig. A. Unplug this connector. This connector is located on the left hand side of the bike.

- 4 Plug the GREY connectors from the PCV in-line of the stock connectors (Fig. B).

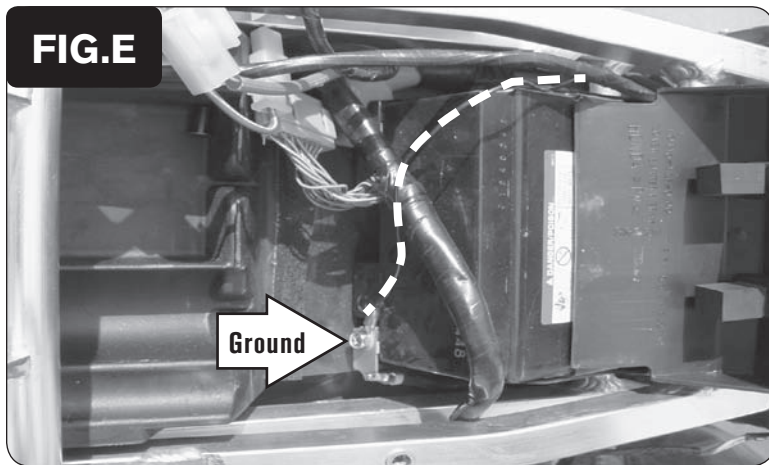
- 5 Route the pair of 2-pin PCV connectors inside the frame and towards the front of the engine. Keep the wires between the front cylinder and the radiator.
- 6 Locate and unplug the stock Crank Position Sensor connectors (Fig. C).

*This stock connector pair can be found inside of a BLACK rubber boot directly above the bike's horn.*

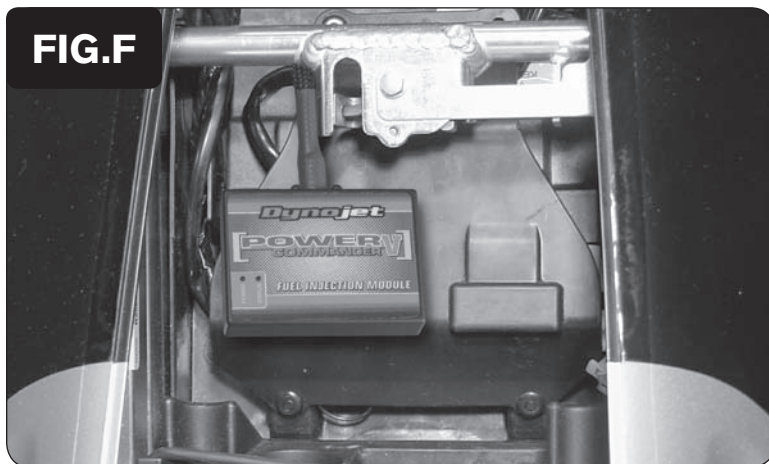




- 7 Plug the pair of 2-pin PCV connectors in-line of the stock Crank Position Sensor connectors (Fig. D).



- 8 Attach the ground wire from the PCV to the negative side of the battery (Fig. E).



- 9 With the supplied self adhesive Velcro, attach the PCV towards the rear most area of the inner fender (Fig. F).

*Use the supplied alcohol swab to clean both surfaces before attaching the Velcro.*