

[POWER COMMANDER V]

2004-2006 Yamaha R1

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!**

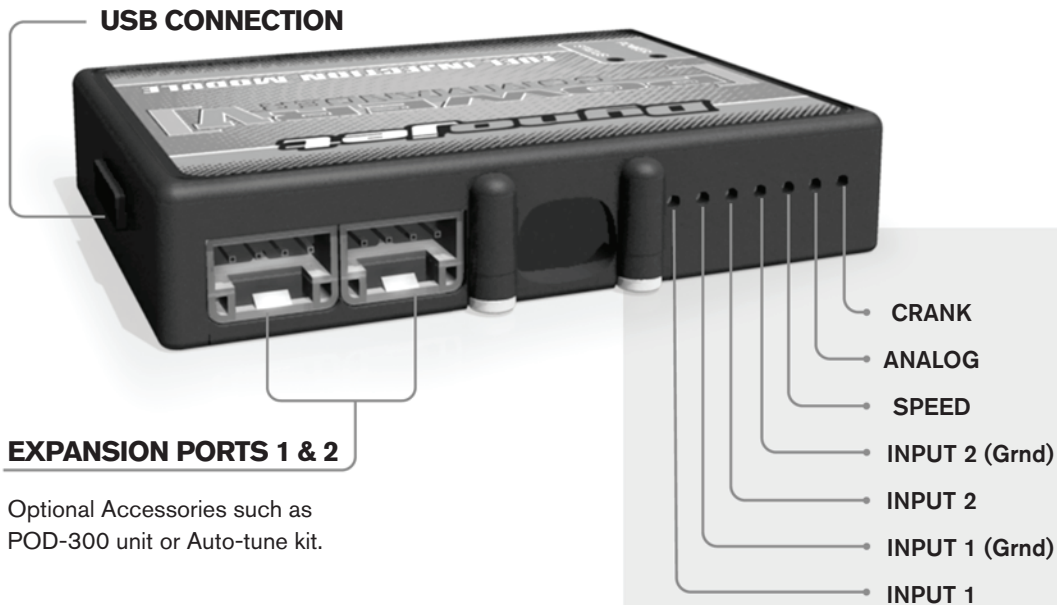
THE LATEST POWER COMMANDER
SOFTWARE AND MAP FILES CAN BE
DOWNLOADED FROM OUR WEB SITE AT:
www.powercommander.com

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



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-

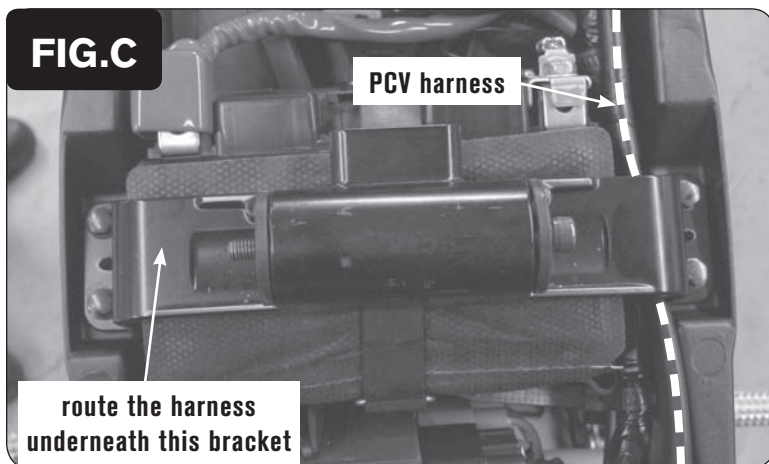
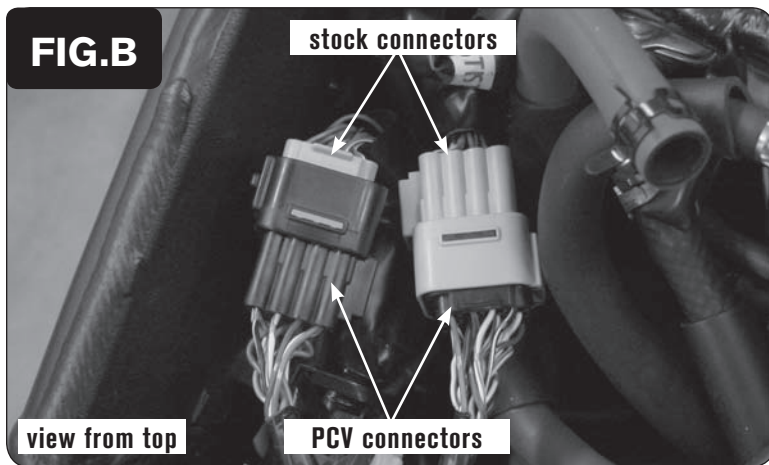
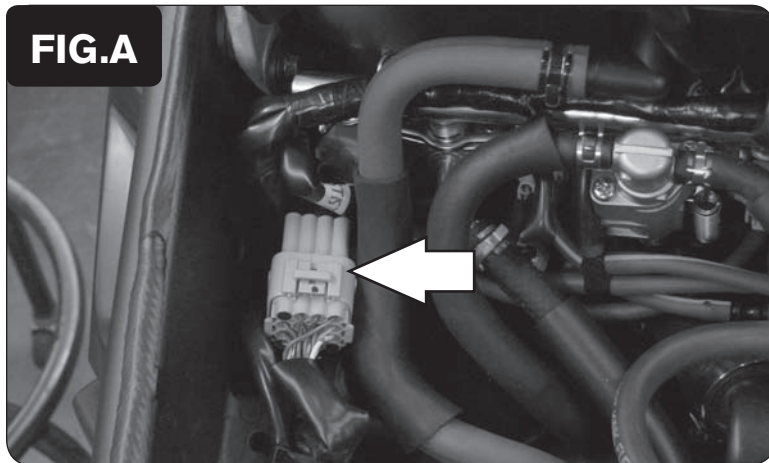
If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent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

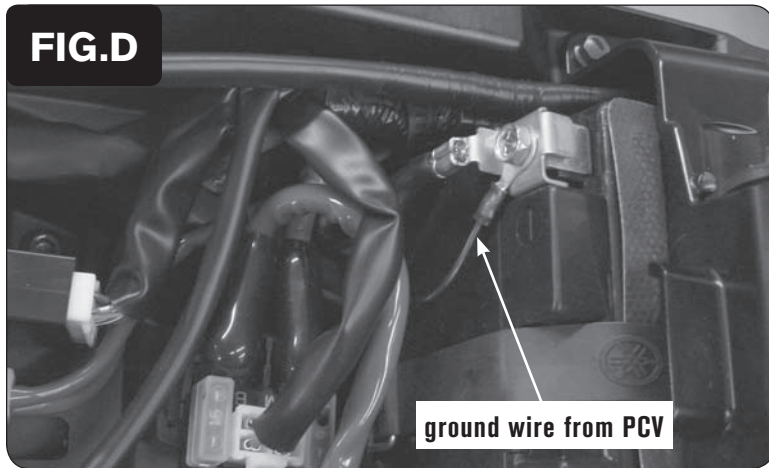
Crank-

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.

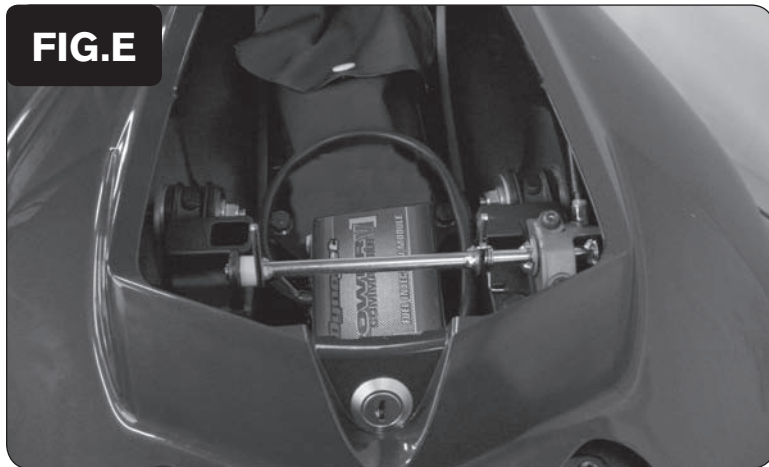


- 1 Remove the main seat and the passenger seat.
 - 2 Prop the front of the fuel tank in the up position.
 - 3 Lay the PCV in the tail section.
 - 4 Route the harness underneath the tail section and go towards the front of the bike.
 - 5 Locate the connector from the main wiring harness to the injector rail.
 - 6 Unplug this connector as shown in Figure A.
- Note:** This connector is GREY in color.

- 7 Attach the connectors from the PCV to the stock wiring harness as shown in Figure B.
 - 8 Bolt the fuel tank down into position.
- 9 Remove the two bolts on the left hand side of the battery hold down bracket and loosen the right hand bolts enough to route the PCV harness underneath it as shown in Figure C.
 - 10 Reinstall the bracket.



- 11 Attach the ground wire from the PCV to the negative side of the battery as shown in Figure D.



- 12 Using the supplied Velcro, secure the PCV in the rear section of the trunk as shown in Figure E.

Make sure to clean both surfaces with the alcohol swab before attaching.

- 13 Verify all the wires are routed properly.
- 14 Reinstall the main seat and the passenger seat.