POWER COMMANDER V

2010-2011 BMW S1000RR

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
1	Posi-tap

THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION!
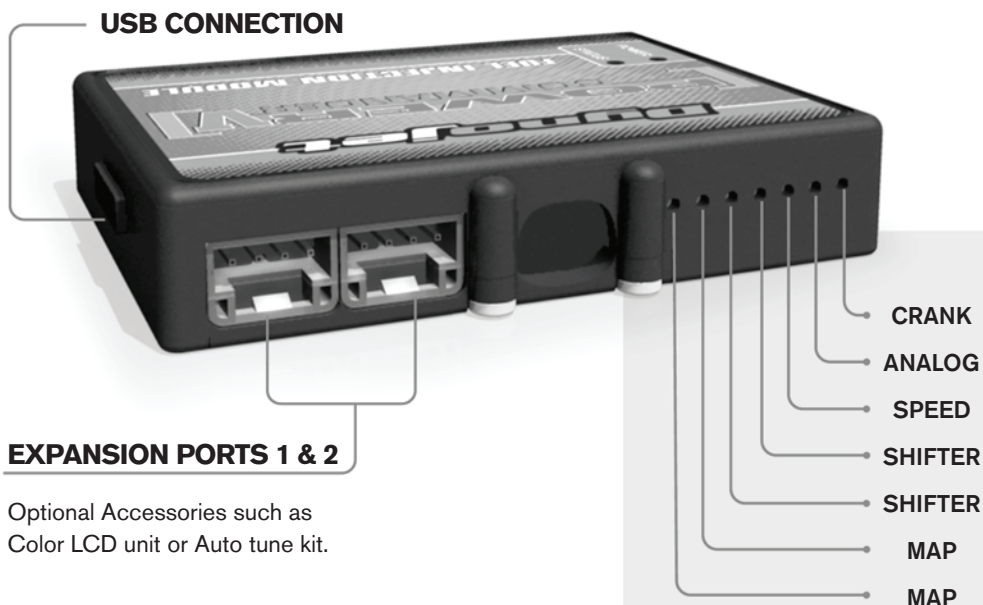
YOU CAN ALSO DOWNLOAD THE POWER COMMANDER SOFTWARE AND LATEST MAPS FROM OUR WEB SITE AT:
www.powercommander.com

PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION

POWER COMMANDER V
INPUT ACCESSORY GUIDE

ACCESSORY INPUTS

USB CONNECTION

EXPANSION PORTS 1 & 2

Optional Accessories such as
Color LCD unit or Auto tune kit.

CRANK
ANALOG
SPEED
SHIFTER
SHIFTER
MAP
MAP

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.

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.

FIG.A

FIG.B

FIG.C

PCV harness
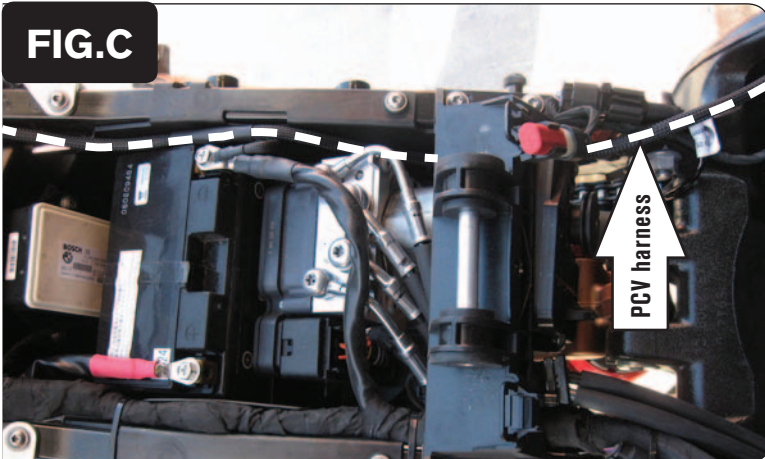
1   Remove the seat.

2   Remove the fuel tank covers (Fig. A).

3   Remove the fuel tank or prop it up out of the way.

4   Remove the left and right side fairings.

5   Install the PCV in the tail section using the supplied velcro (Fig. B).

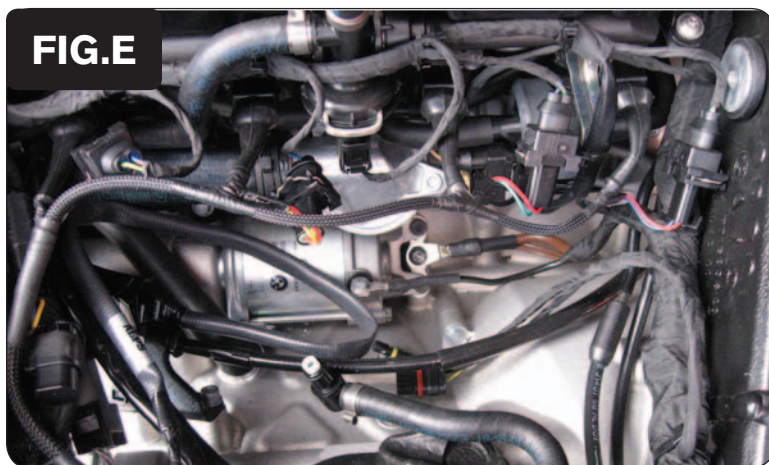   *Make sure to use the alcohol swab to clean both surfaces before attaching.*

6   Route the PCV harness down the left side of the bike. Route the harness underneath the fuel tank bracket and go towards the throttle bodies (Fig. C).

7   Attach the ground wire of the PCV to the negative side of the battery.
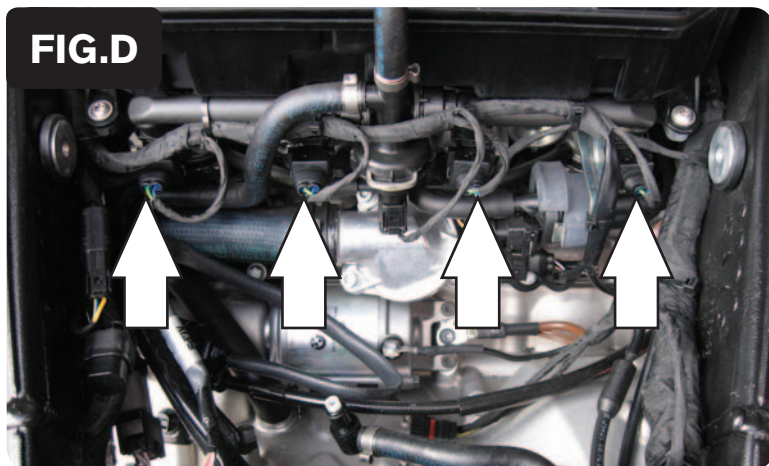
FIG.D

8   Unplug the stock wiring harness from each injector (Fig. D).

FIG.E

9   Plug the PCV harness in-line of the stock wiring harness and injectors (Fig.E).
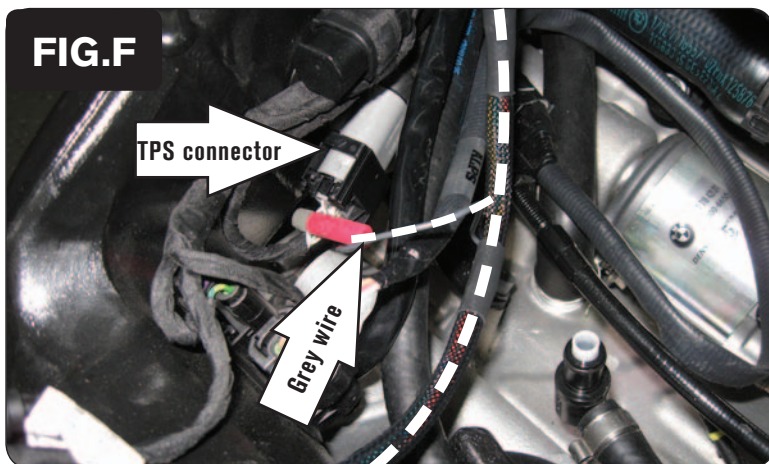
PCV harness:

ORANGE - cylinder #1

YELLOW - cylinder #2

GREEN - cylinder #3

BLUE - cylinder #4

FIG.F

TPS connector

Grey wire

10   Locate the Throttle Position Sensor connector from the throttle blade on the left, inside of the frame (Fig. F).

11   Attach the GREY wire of the PCV to the WHT/GRY wire of the TPS connector (Fig. F).

It is recommended to use dielectric grease on these connections.
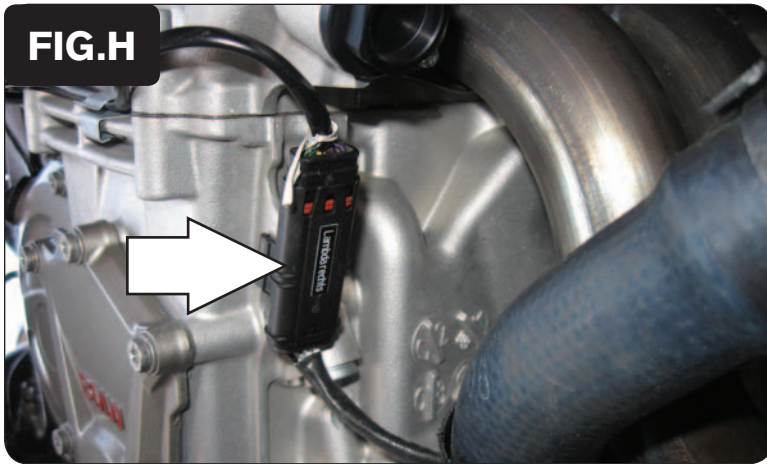

Posi-Tap

1 Insert Hot Wire

2 Tighten

3 Strip Leads

4 Insert & Tighten
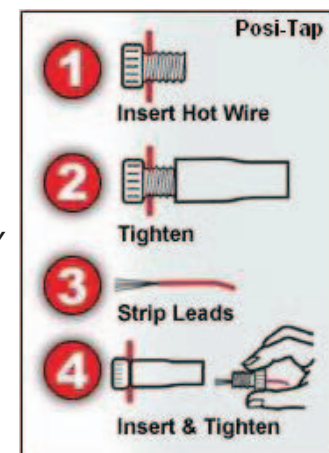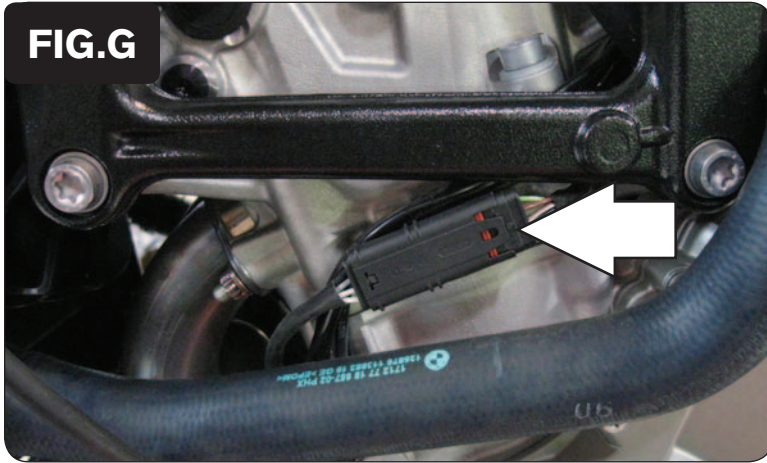
FIG.G

12   Unplug the stock O2 sensor on the left side of the engine (Fig. G).

The stock O2 sensor will no longer be connected to anything. It can be removed from the exhaust if desired assuming you have a way to plug the hole.

FIG.H

13   Unplug the stock O2 sensor on the right side of the engine (Fig. H).

The stock O2 sensor will no longer be connected to anything. It can be removed from the exhaust if desired assuming you have a way to plug the hole.

14   Reinstall fuel tank, bodywork and seat.

Go to www.powercommander.com to see an install video*.*