[POWER COMMANDER V]

2010-2014 BMW S1000RR

Installation Instructions

PARTS LIST

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1	USB Cable
1	Installation Guide
2	Power Commander Decals
2	Dynojet Decals
2	Velcro strips
1	Alcohol swab
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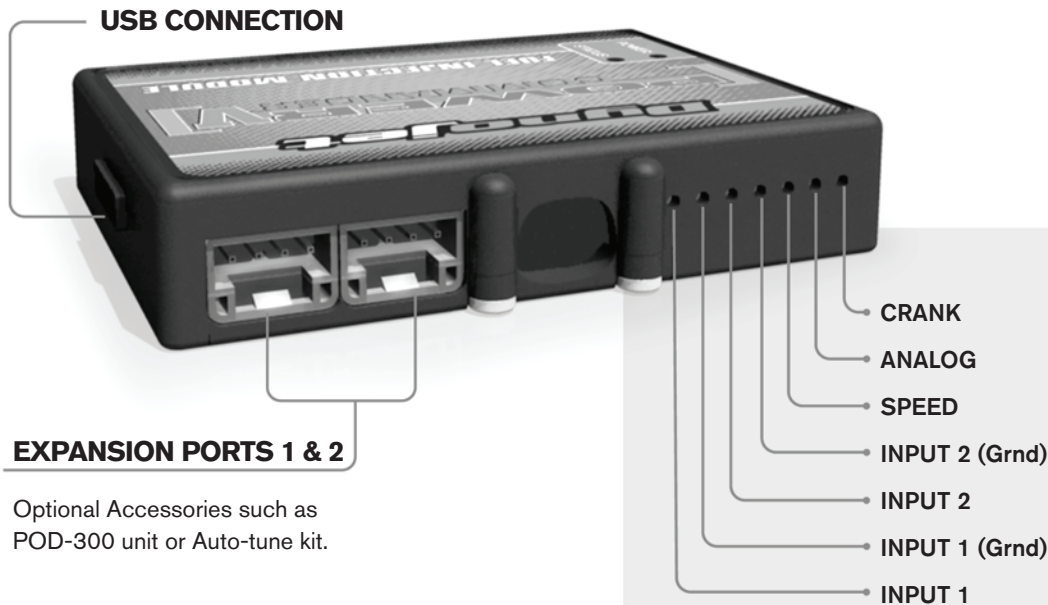## THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION!

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

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POWER COMMANDER V
INPUT ACCESSORY GUIDE

ACCESSORY INPUTS

USB CONNECTION

CRANK

ANALOG

SPEED

INPUT 2 (Grnd)

INPUT 2

INPUT 1 (Grnd)

INPUT 1

EXPANSION PORTS 1 & 2

Optional Accessories such as POD-300 unit or Auto-tune kit.

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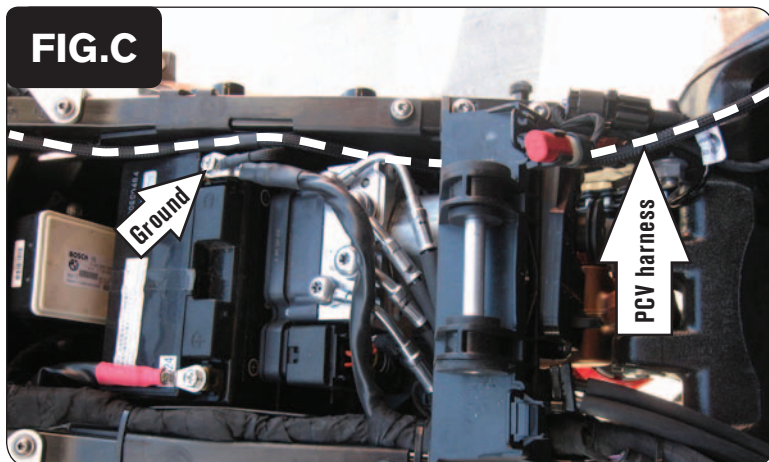
Speed- If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent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

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

Remove

Remove

FIG.B

FIG.C

Ground

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 the Velcro.

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 with the small ring lug to the negative (-) terminal of the bike's battery.

FIG.D

Unplug   Unplug   Unplug   Unplug

FIG.E

FIG.F

TPS connector

Grey wire
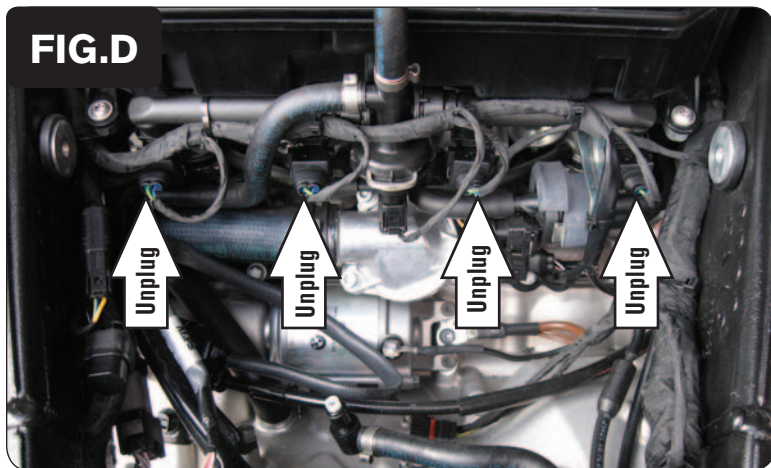
8   Unplug the stock wiring harness from each fuel injector (Fig. D).
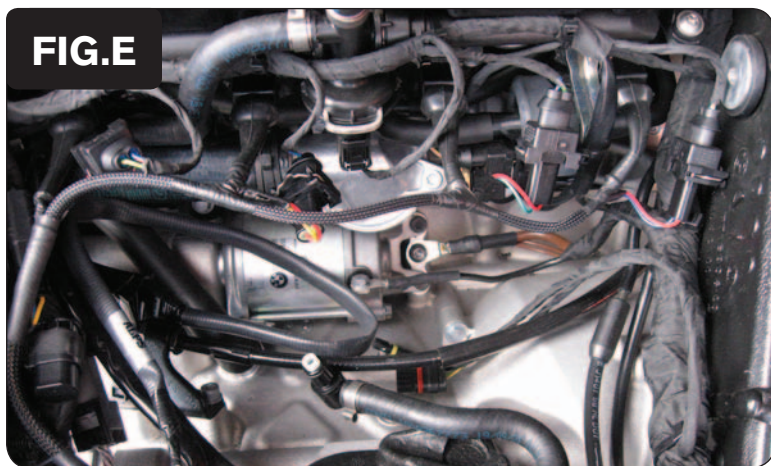
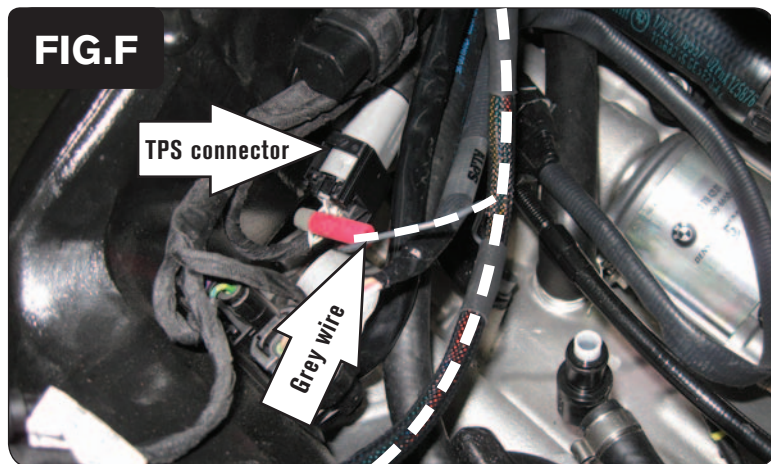9   Plug the PCV harness in-line of the stock wiring harness and each fuel injector (Fig. E).

PCV harness:

ORANGE - cylinder #1 (left)

YELLOW - cylinder #2

GREEN - cylinder #3

BLUE - cylinder #4 (right)

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

11   Using one of the supplied Posi-taps, attach the GREY wire of the PCV to the stock WHITE/GREY wire of the bike's TPS connector (Fig. F).

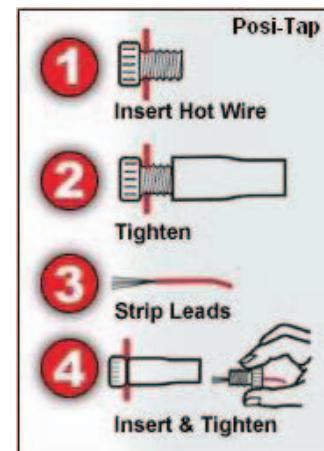*It is recommended to use dielectric grease on these connections.*

Posi-Tap

1   Insert Hot Wire

2   Tighten

3   Strip Leads

4   Insert & Tighten

FIG.G

Gear Pos

12 Using the other supplied Posi-tap, connect the BLUE/WHITE wire of the PCV to the stock PURPLE/BLACK wire of the gear position sensor connector (Fig. G).

This connector is located under the fuel tank to the left, rear of the frame.

There are 2 PURPLE/BLACK wires on this connector. Use the one in the middle.

13 Reinstall the fuel tank, bodywork, and the seat.
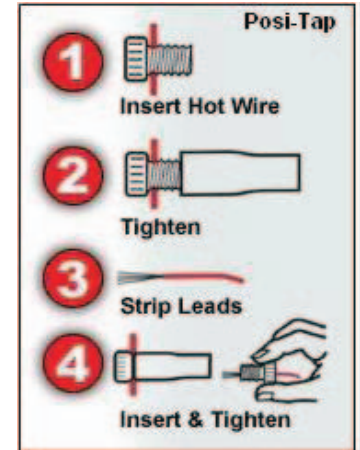
Go to www.powercommander.com or to our YouTube channel (DynojetResearch) to see an installation video.

Posi-Tap

1 Insert Hot Wire

2 Tighten

3 Strip Leads

4 Insert & Tighten