POWER COMMANDER V

2007-2011 Suzuki DL650

Installation Instructions

PARTS LIST

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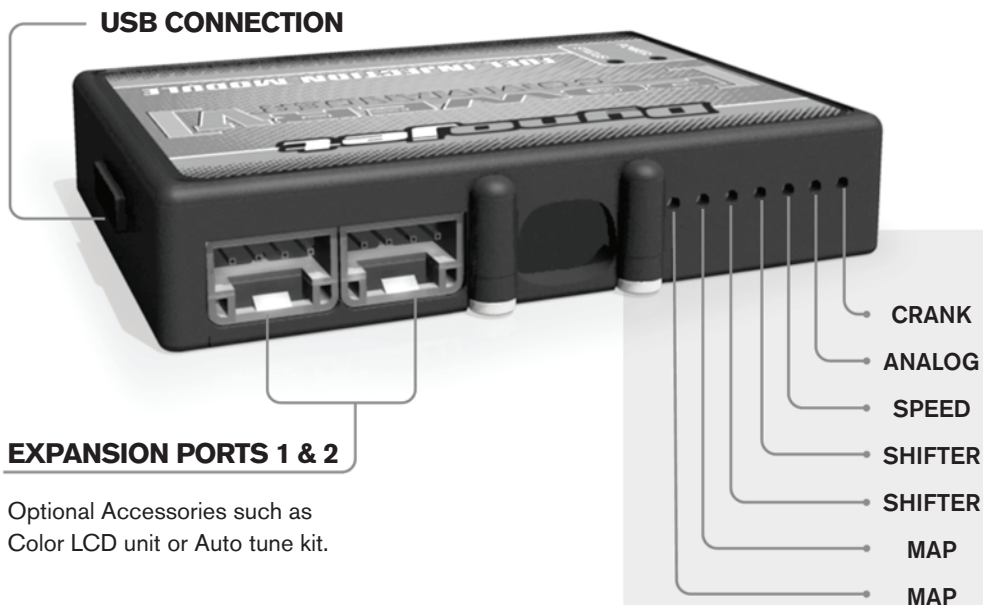
THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION!

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

Dynojet

2191 Mendenhall Drive   North Las Vegas, NV 89081   (800) 992-4993   www.powercommander.com
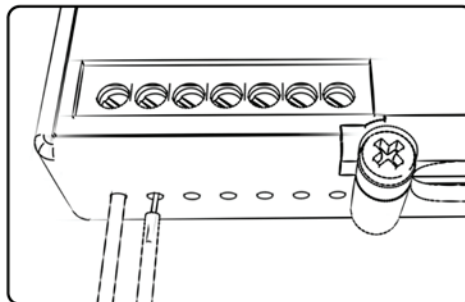
POWER COMMANDER V
INPUT ACCESSORY GUIDE

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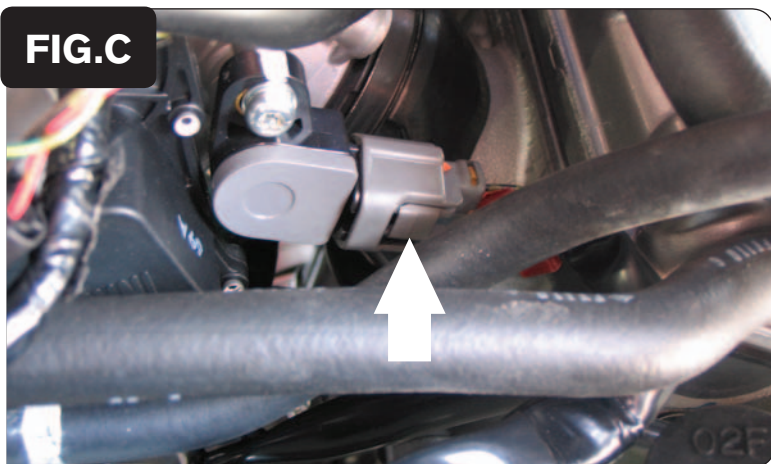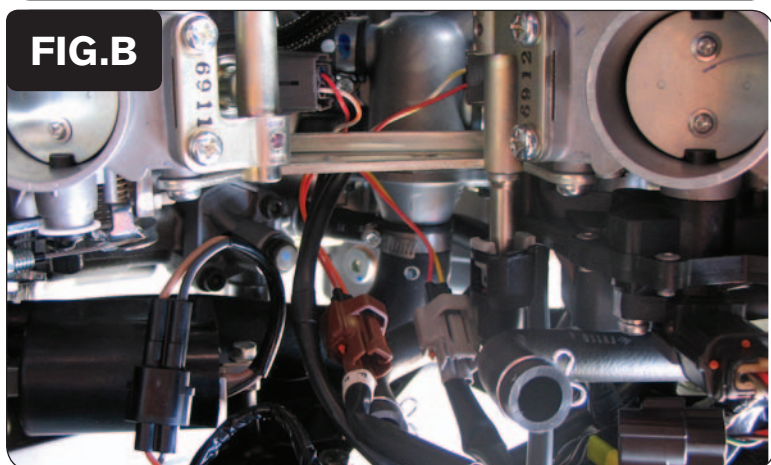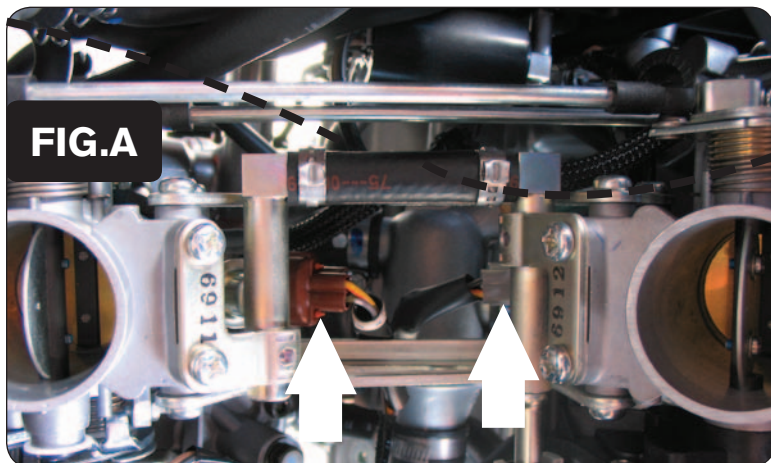
Speed- If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent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

1   Remove the main seat and the passenger seat.

2   Prop the front of the fuel tank up using the Suzuki prop rod.

3   Remove the air box.

The airbox does need to be removed to perform this installation but may make it easier as the stock injector connectors can be very difficult to remove.

4   Route the PCV harness from the tail section towards the engine.

5   Locate the stock injector connectors. One is BROWN (frt cylinder) and one is GREY (rr cylinder). Unplug these connectors from the injectors (Fig. A)

6   Plug the connectors from the PCV in-line of the stock wiring harness and the injectors (Fig. B).

Connect the ORANGE wires from the PCV to the front cylinder and stock BROWN connector.

Connect the YELLOW wires from the PCV to the rear cylinder and stock GREY connector.

7   Locate the Throttle Position Sensor connector located on the left side of the throttle body.

8   Unplug the connector from the TPS (Fig. C).

FIG.D

FIG.E

Ground wire

FIG.F

9   Plug the 3 pin connectors from the PCV in-line of the TPS and stock wiring harness (Fig. D).
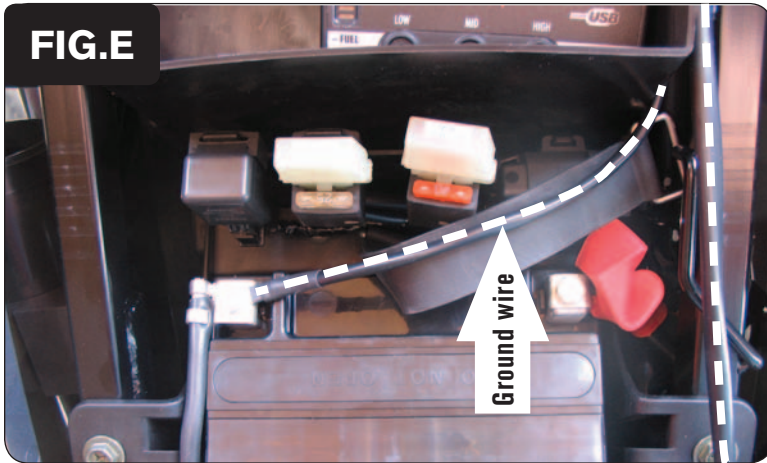
10   Attach the ground wire from the PCV to the negative side of the battery (Fig. E).

11   Install the PCV in the tail section using the supplied velcro. Make sure to clean both surfaces with the alcohol swab before attaching.

12   Reinstall the air box if it was removed and bolt the fuel tank back down. Install the main seat and the passenger seat.

Speed input -   PINK wire - connector is located in front of the airbox - comes from front wheel

Temperature input - BLK/BLU wire of sensor on thermostat housing

12v source for Auto tune - BROWN wire of 3 pin connector for the tail light