

[POWER COMMANDER V]

2006-2010 Suzuki LTR450

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
- 1 Rev X-tend plug

**THE IGNITION MUST BE TURNED
OFF BEFORE INSTALLATION!**

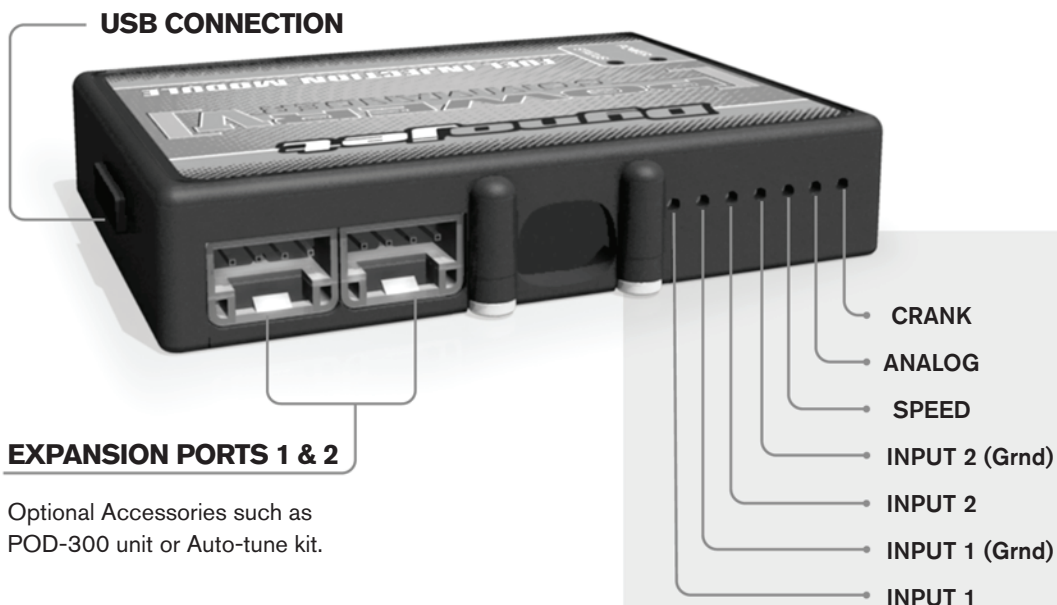
THE LATEST POWER COMMANDER
SOFTWARE AND MAP FILES CAN BE
DOWNLOADED FROM OUR WEB SITE AT:
www.powercommander.com

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



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

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-

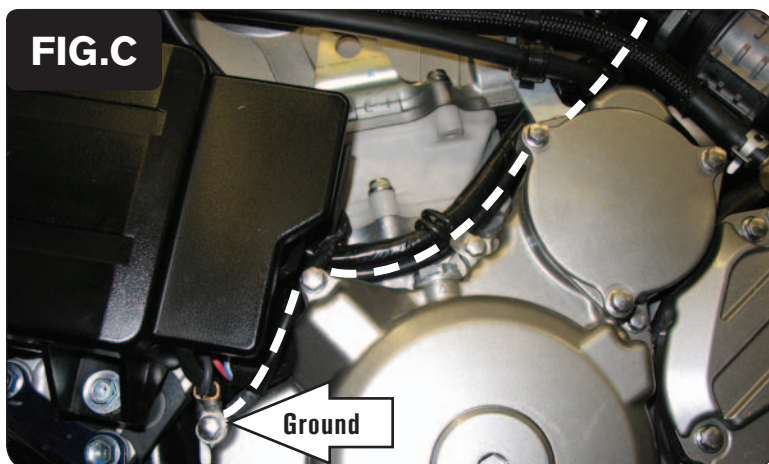
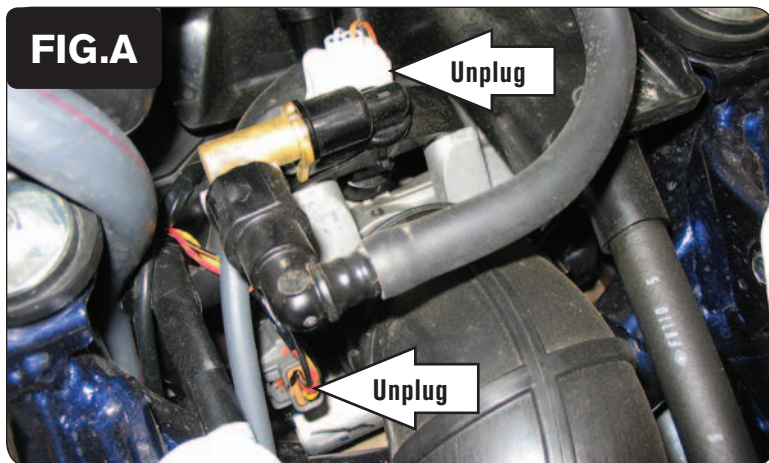
If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent 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 seat.
- 2 Remove the plastic shroud around the fuel tank.
- 3 Lay the PCV in the tail section.
- 4 Route the wiring harness from the PCV towards the throttle body.
- 5 Unplug the stock wiring harness from the injector and the Throttle Position Sensor (Fig. A).
- 6 Plug the connectors from the PCV in-line of the stock wiring harness and fuel injector (Fig. B).
- 7 Plug the connectors from the PCV in-line of the stock wiring harness and TPS.
- 8 Attach the ground wire from the PCV to the common ground on the left hand side of the engine (Fig. C).

Follow the stock wiring harness.

FIG.D



- 9 Install the PCV to the rear fender, as shown in Figure D.

Position the PCV so it does not interfere with the foam pads on the bottom of the seat.

Use the supplied Velcro to secure the PCV in place. Clean both surfaces with the alcohol swab before attaching.

- 10 Locate the WHITE 6-pin diagnostic connector behind the headlight. This connector is covered with a rubber boot. Plug the Rev Extension plug into this connector.
- 11 Reinstall the bodywork.