POWER COMMANDER V

2008-2009 Honda TRX700XX

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	Posi-tap

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

USB CONNECTION

EXPANSION PORTS 1 & 2

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

CRANK
ANALOG
SPEED
INPUT 2 (Grnd)
INPUT 2
INPUT 1 (Grnd)
INPUT 1

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.
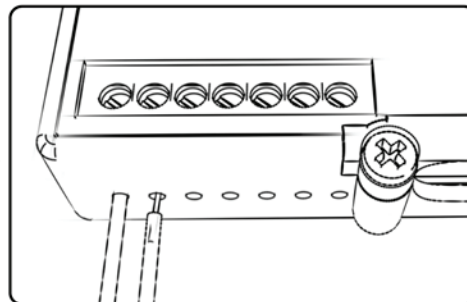
ACCESSORY INPUTS

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.

FIG.A

FIG.B

Unplug

FIG.C
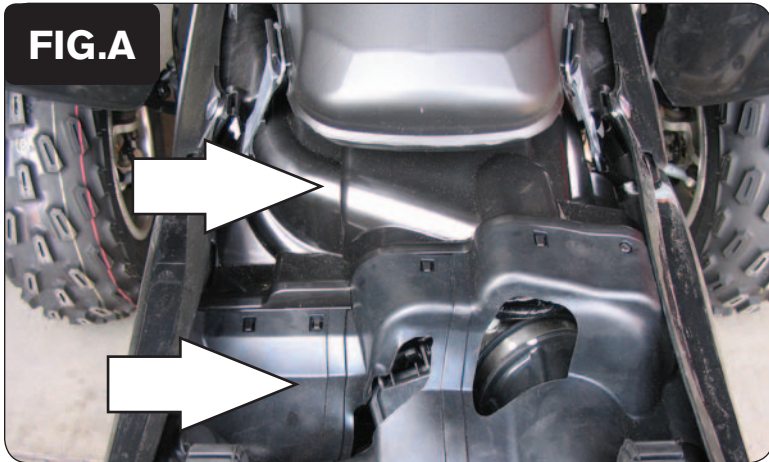
Unplug

1   Remove the seat.

2   Remove the rubber cover and the plastic cover over the battery and throttle body (Fig. A).
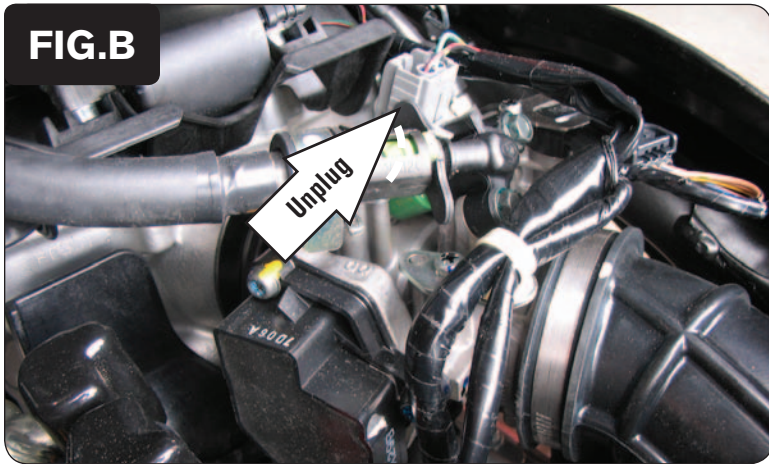
3   Unplug the stock wiring harness from the injector (Fig. B).

This is the GREY 2 pin connector on top of the throttle body.
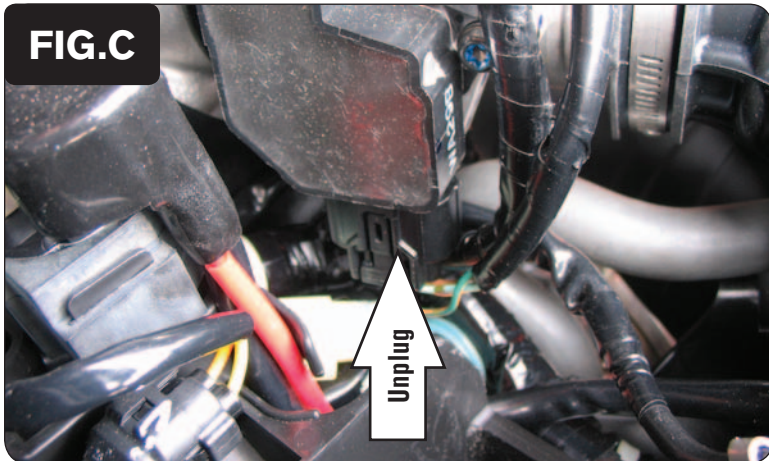
4   Unplug the stock wiring harness from the Throttle Position Sensor (Fig. C).

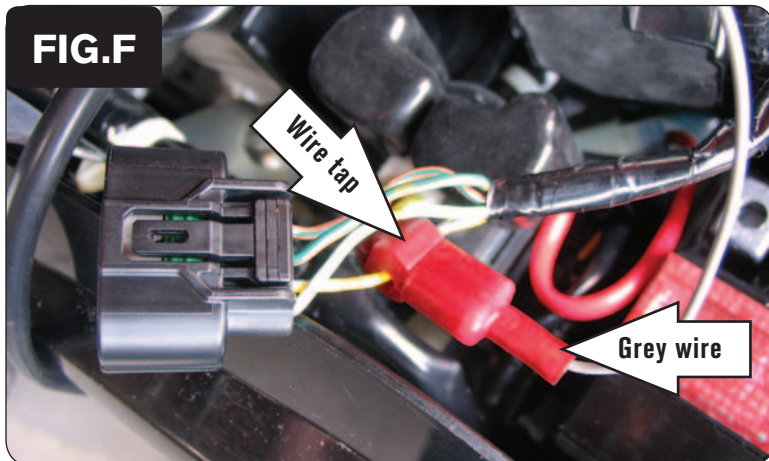*This is the BLACK 5 pin connector on the lower left side of the throttle body*

FIG.D

PCV harness

Ground wire
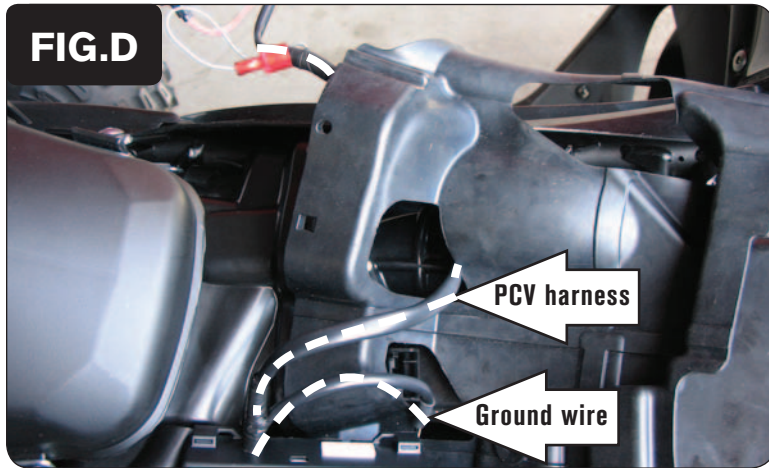
5   Route the PCV harness thru the rubber cover as shown in Figure D.

FIG.E

6   Connect the PCV harness in-line of the stock wiring harness and injector (Fig. E).


FIG.F

Wire tap

Grey wire

7   Use the supplied Posi-tap, to attach the single unterminated GREY wire of the PCV wiring harness to the stock YELLOW/BLUE wire of the TPS connector (Fig. E).

It is recommended to use dielectric grease on these connections.

The wire tap shown in Figure F is not a Posi-tap; but an older crimp-on style wire tap.

8   After attaching the GREY wire, plug the stock TPS connector back onto the throttle body.

Posi-Tap

1   Insert Hot Wire

2   Tighten

3   Strip Leads

4   Insert & Tighten
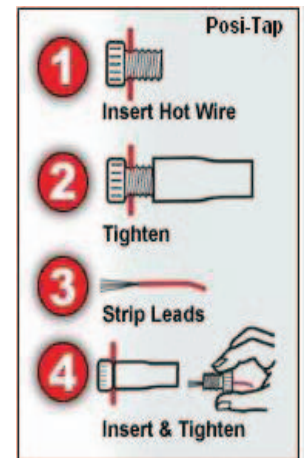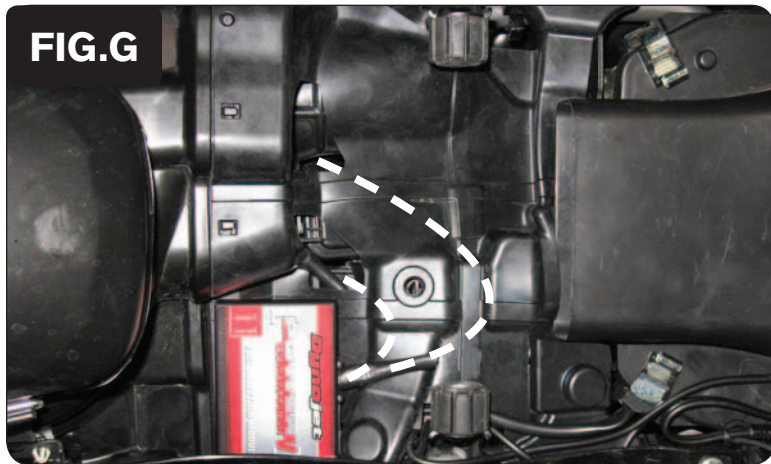
FIG.G

9   Attach the ground wire of the PCV to the negative side of the battery.

10   Reinstall the plastic and rubber covers that were removed in step 2.

11   Lay the PCV on top of these covers (Fig. G).

The seat will keep the PCV in place.

12   Reinstall the seat. Make sure to install the port plugs into the PCV.