

[POWER COMMANDER V]

2010 Honda NT700V

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

**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



Optional Accessories such as
Color LCD 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 -

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-

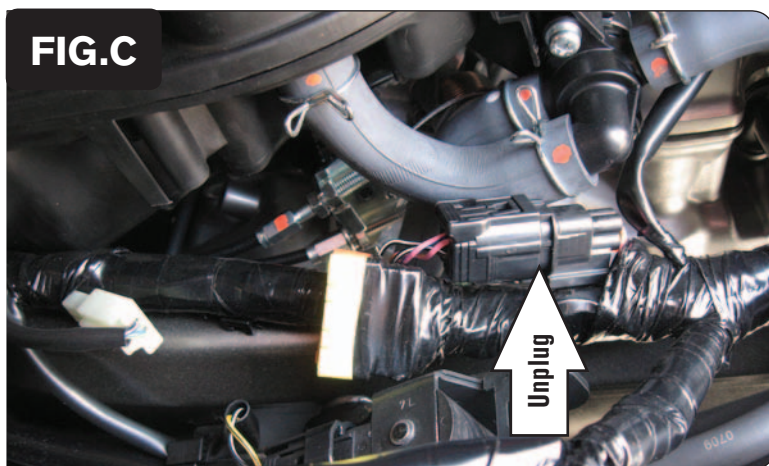
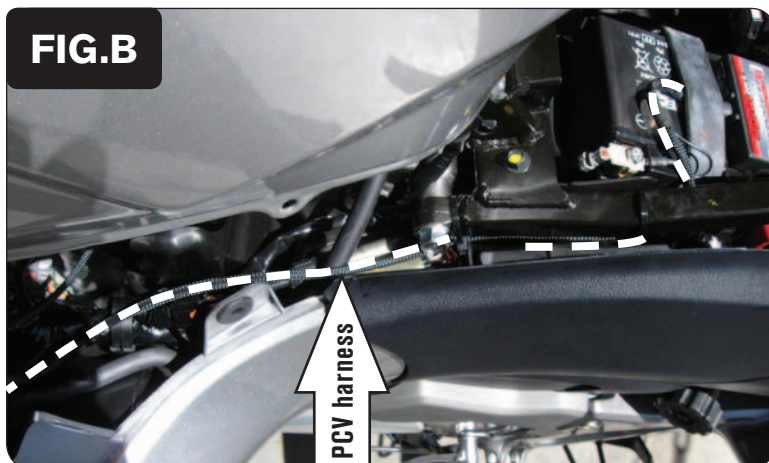
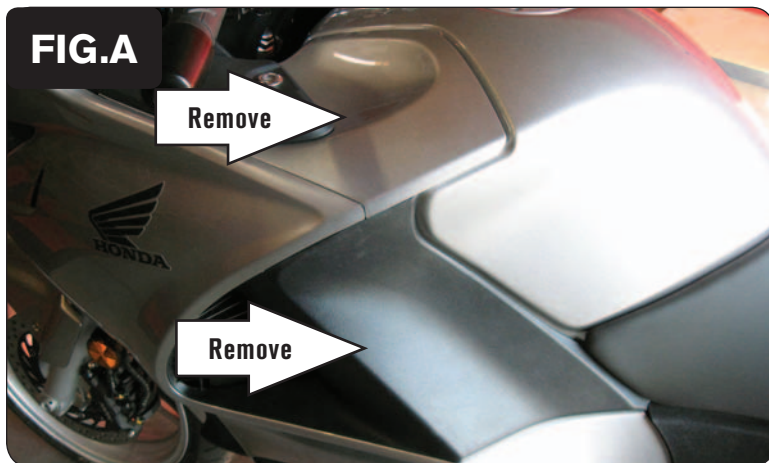
If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent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

Analog-

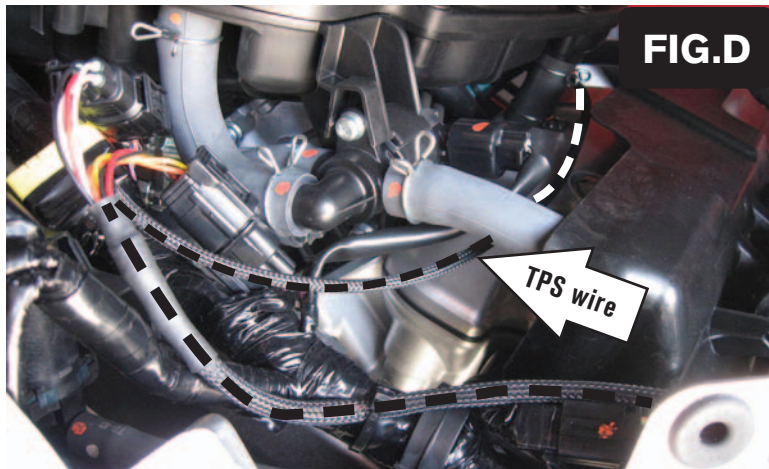
This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the control center software.

Crank-

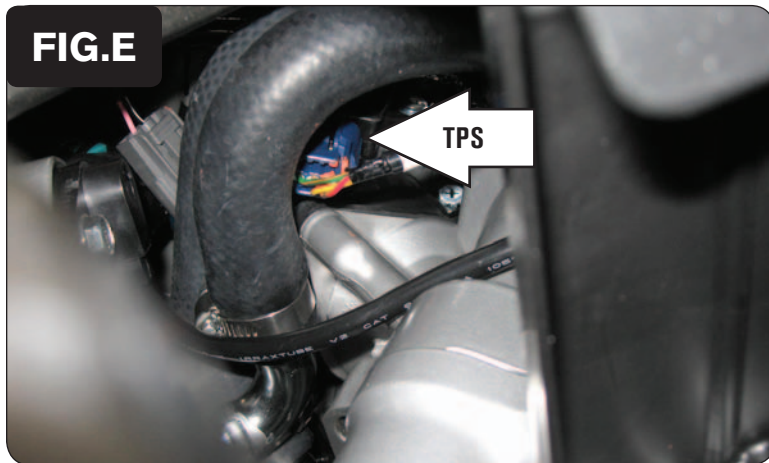
Do **NOT** connect anything to this port unless instructed to do so by Dynojet. It is used to transfer crank trigger data from one module to another.



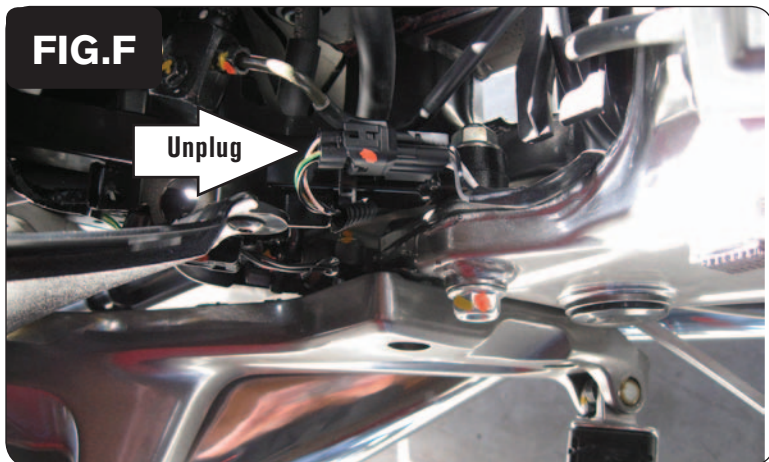
- 1 Remove the seat.
- 2 Remove the panels on each side of the fuel tank. Remove the BLACK panels from the mid fairings (Fig. A).
- 3 Prop the front of the fuel tank up.
- 4 Route the PCV harness down the left side of the bike (Fig B).
- 5 Locate the 4pin BLACK connector from the throttle body (Fig C).
This connector is located near the bottom left side of the air box.
- 6 Unplug the throttle body connector.



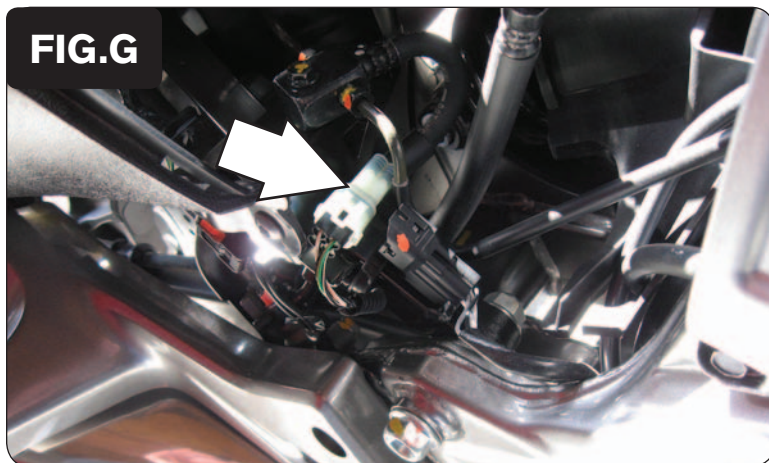
- 7 Plug the connectors from the PCV in-line with the stock wiring harness (Fig D)
- 8 Route the TPS wires from the PCV over to the right side of the engine behind the air box.



- 9 Locate the Throttle Position Sensor on the right hand side of the throttle body.
Figure E was taken pointing up at the right side of the engine. The TPS connector is a BLUE 3 pin connector.
- 10 Unplug the TPS connector and plug the wires from the PCV in-line of the stock wiring harness and throttle body.

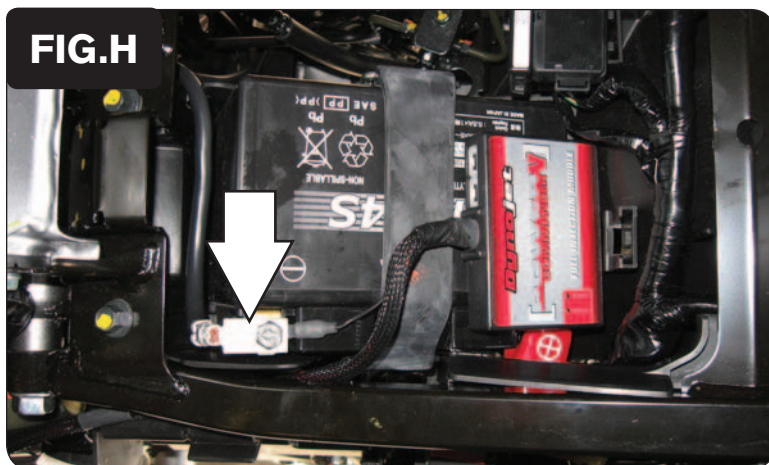


- 11 Locate the BLACK 4 pin O2 sensor connector on the left side of the frame (Fig F).
- 12 Unplug this connector.



- 13 Plug the Dynojet O2 Optimizer into the stock wiring harness (Fig.G).

The stock O2 sensor will no longer be connected to anything and can be removed from the exhaust if desired.



- 14 Attach the PCV to the battery using the supplied velcro. Make sure to clean both surfaces with the alcohol swab before attaching.
- 15 Attach the ground wire of the PCV to the negative side of the battery (Fig. H).
- 16 Reinstall body panels, fuel tank and seat.

Speed Input - PINK/GRN wire of speedo sensor located behind left engine cover near shifter.

12v source for Auto tune - WHITE wire of tail light.