

IGNITION MODULE

FOR USE WITH

Suzuki GSXR models

Installation Instructions

**[POWER
COMMANDER V]**

PARTS LIST

- 1 Ignition Module
- 1 CD-ROM
- 1 Installation Guide
- 2 Velcro
- 1 Alcohol swab
- 1 CAN cable
- 1 CAN termination plug
- 1 USB cable



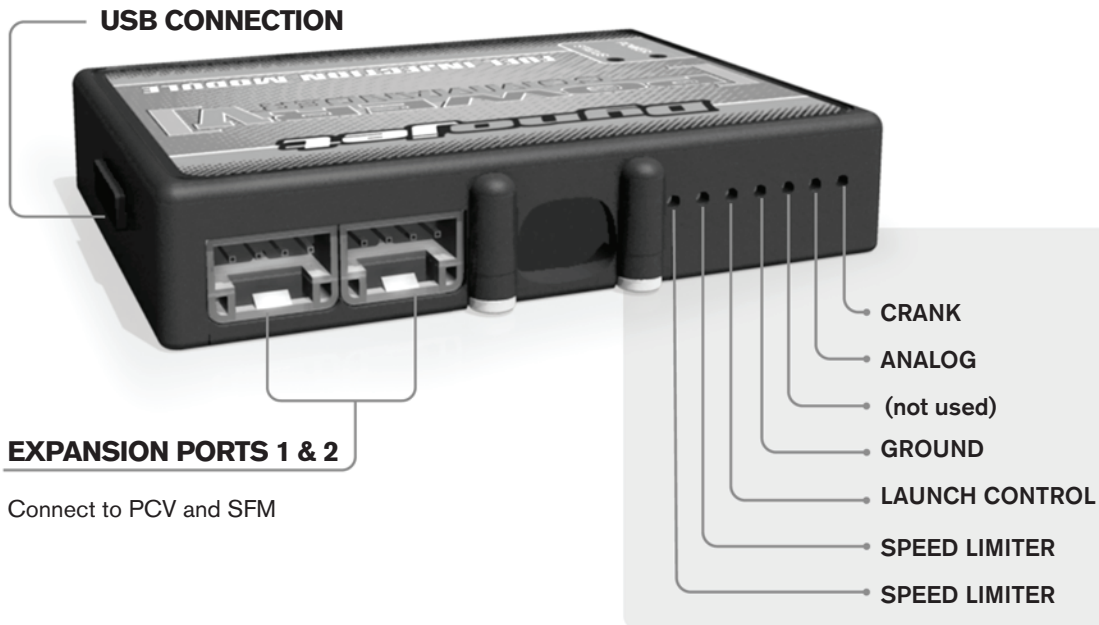
**THE IGNITION MUST BE TURNED OFF BEFORE
INSTALLATION!
BEFORE THIS MODULE CAN BE USED THE
POWER COMMANDER MAY NEED TO BE UPDATED.
(SEE INCLUDED INSTRUCTIONS)**

PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION

Dynojet

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IGNITION MODULE V INPUT ACCESSORY GUIDE



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

Speed

This input has the ability to activate a limiter based on speed. This is intended to be used as a pit lane speed limiter. You can use any OPEN / CLOSED type switch to activate this feature.

Launch

This input is intended to be used as a launch control. You can set a target RPM to limit the bike to when the clutch lever is activated. Once the clutch lever is released full RPM can be achieved. This requires a wire be connected to the grounding side of the clutch switch and the other end into this input.

Ground

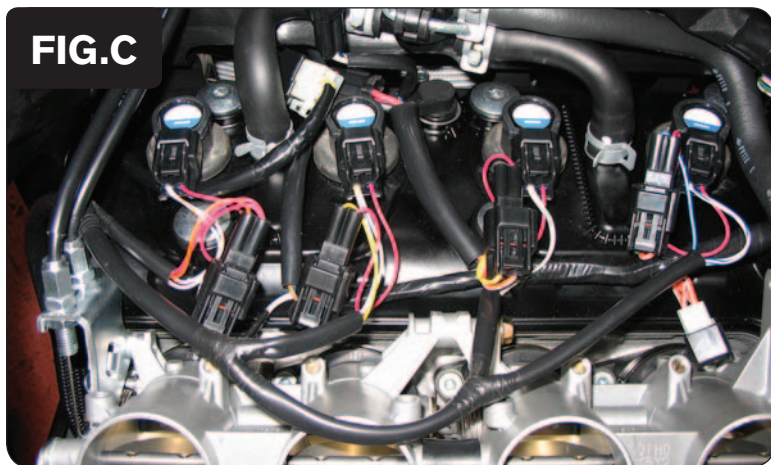
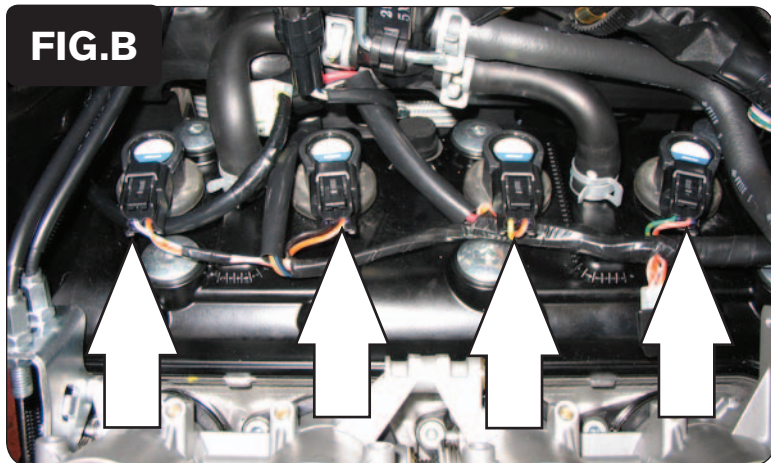
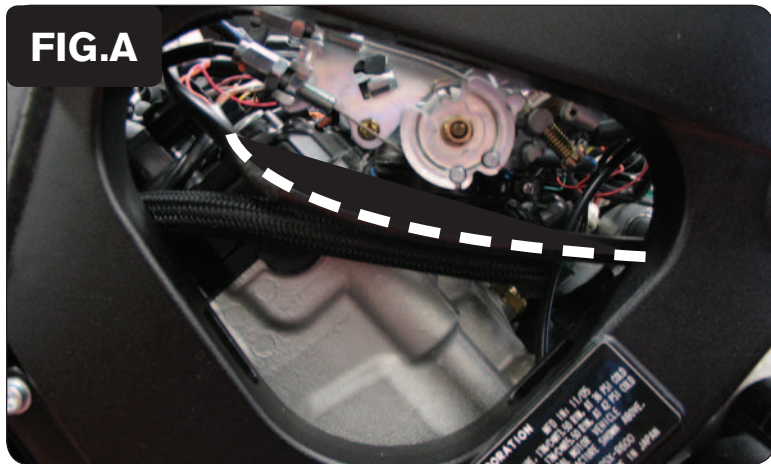
This is a digital ground. You can connect the BLACK/WHITE crank wire of the SFM to this location if necessary.

Analog-

Not currently used - updates to follow

Crank-

Connect the WHITE crank wire from the SFM (if installed) to this input. This is only needed if you are going to use the Rev Xtend feature.



The following pictures were taken on a GSXR600 and may look different from your actual model.

- 1 Remove the main seat.
- 2 Lift the front of the fuel tank up.
- 3 Remove the air box.
- 4 Place the Ignition Module next to the PCV and route the harness down the left hand side and go towards the front of the bike.
- 5 Route the PCV to the left side of the throttle bodies making sure it does not interfere with the throttle linkage (Fig. A).
- 6 Disconnect the stock wiring harness from the coil sticks (Fig. B).
- 7 Plug the Ignition Module connectors in-line of the stock wiring harness and coil sticks (Fig. C).

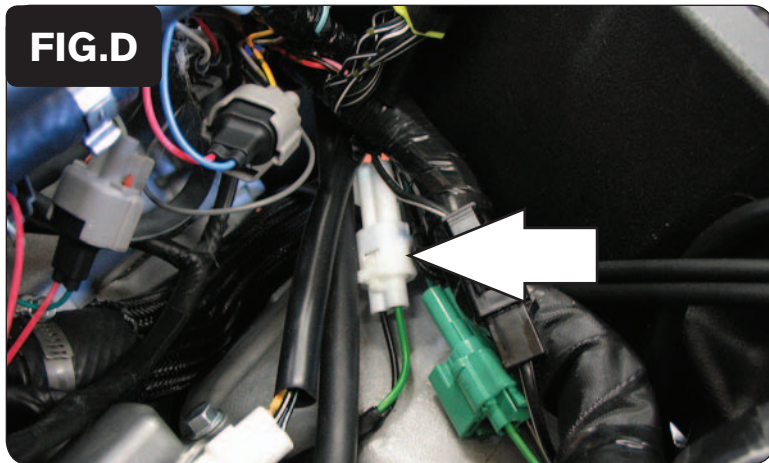
Ignition module colors:

ORANGE - Cylinder #1

YELLOW - Cylinder #2

GREEN - Cylinder #3

BLUE - Cylinder #4



- 8 Locate the crank pickup coil connector (Fig. D).

This connector is a WHITE 2 pin connector with a BLACK and a GREEN wire located under the fuel tank near the right side of the engine.

- 9 Connect the WHITE connectors from the Ignition Module in-line of the stock crank pickup sensor connectors.



- 10 Attach the ground wire of the PCV to the same location as the stock ground location on the back of the engine.

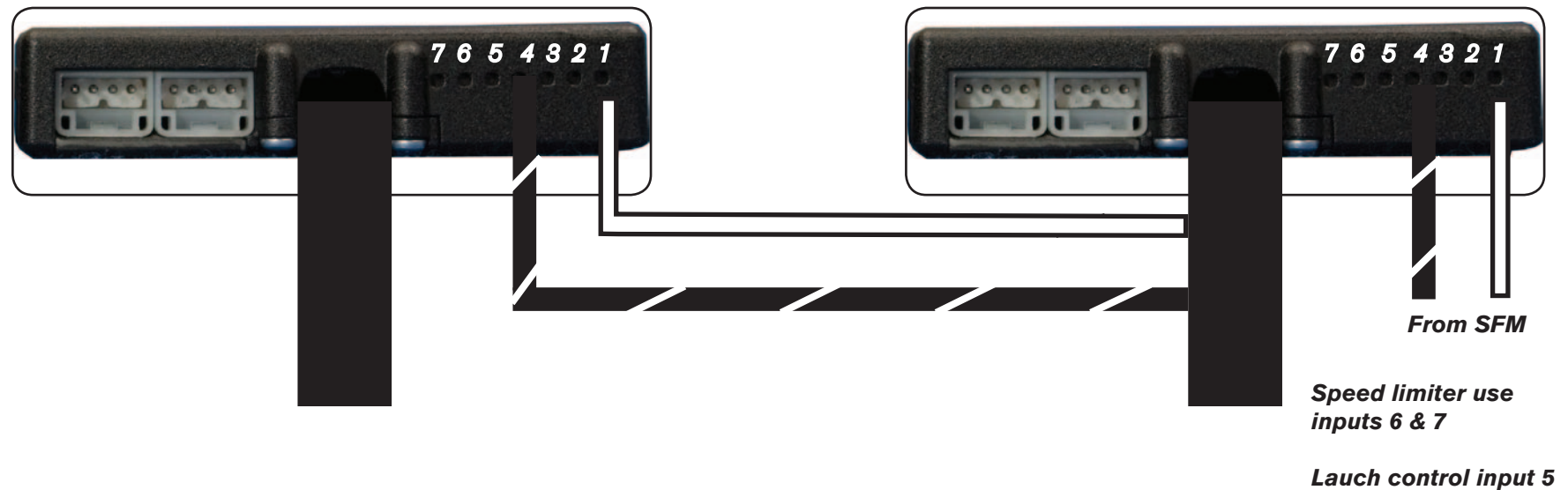
This is where the negative battery cable is connected to.



- 11 Install the Ignition Module in the tail section next to the PCV (Fig. F).
- 12 Plug the CAN cable into one of the ports of the Ignition Module and the other end into one of the ports of the PCV.
- 13 Plug the CAN termination plug (plastic) into any one of the remaining open ports of the Ignition Module or PCV.

PCV

Ignition Module



Connecting the Ignition Module to the PCV:

- The WHITE and the BLK/WHT wires from the Ignition Module are used ONLY if you want to use the Rev Xtend feature of the PCV. If you do NOT plan on using this feature then just tape the wires out of the way.
- If you do plan on using the Rev Xtend feature then connect the WHITE wire from the Ignition Module to the #1 input position of the PCV. Connect the BLK/WHT wire to the #4 input position of the PCV. The BLK/WHT wire can also be connected to the #6 input position of the PCV if necessary.
- If you are also using the SFM (Secondary Fuel Module) then you will need to connect the WHITE and BLK/WHT wires from the SFM into the Ignition Module. Connect the WHITE wire from the SFM to the #1 input position of the Ignition Module. Connect the BLK/WHT wire to the #4 input position of the Ignition Module. The BLK/WHT wire can also be connected to the #6 input position of the Ignition Module if necessary.

Adding the Ignition Module to the PCV network:

- First download the latest version of Control Center software which is 1.0.5.8.
- To use the Ignition Module you may need to update your firmware in the PCV (and SFM if being used). Make sure the units are updated to firmware version 1.6.10 or newer. Go to VIEW - Device Information to see the current version. If you need to update the firmware go to Power Commander Tools - Update firmware. The latest version of firmware and software can be found on the downloads page of www.powercommander.com or on the included CD.
- Connect a USB cable to the PCV and another USB cable to the Ignition Module. The software will ask you to add the Ignition Module to the network. Click OK. Go to Power Commander Tools - Manage Network and click on Sync Devices Utility. Follow the on screen instructions.