

# IGNITION MODULE

FOR USE WITH

**2006-2007 Kawasaki ZX-10R**

## Installation Instructions

### 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



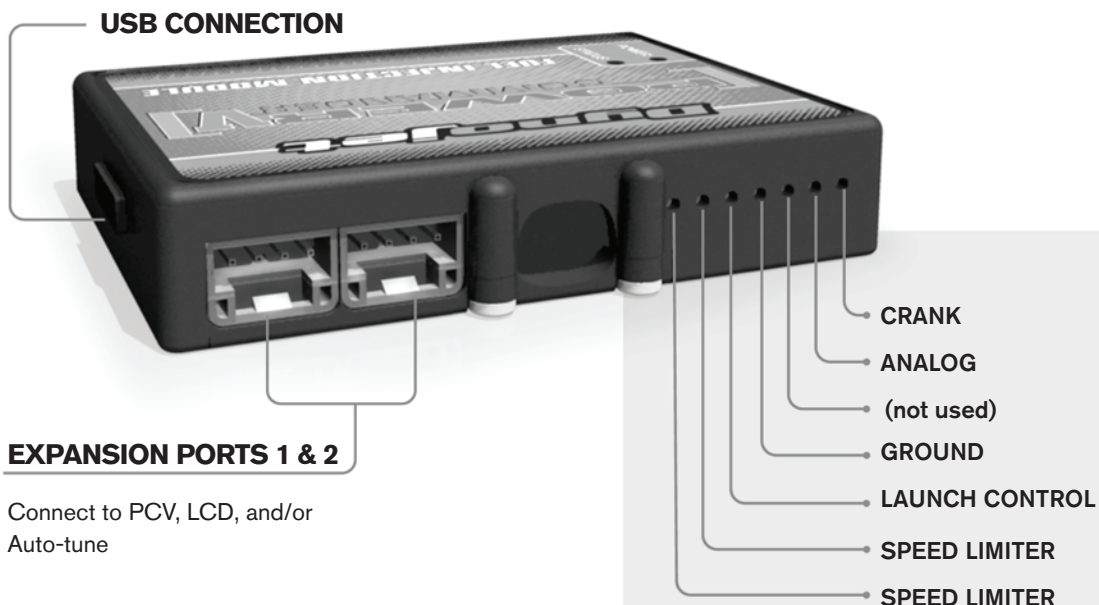
**THE IGNITION MUST BE TURNED OFF BEFORE  
INSTALLATION!  
BEFORE THIS MODULE CAN BE USED THE  
POWER COMMANDER MAY NEED TO BE UPDATED.  
(SEE INCLUDED INSTRUCTIONS)**

**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION**

**Dynojet**

2191 Mendenhall Drive North Las Vegas, NV 89081 (800) 992-4993 [www.powercommander.com](http://www.powercommander.com)

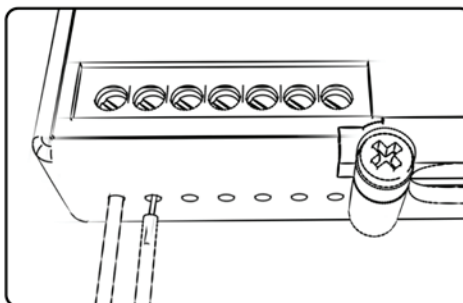
# IGNITION MODULE V INPUT ACCESSORY GUIDE



## 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

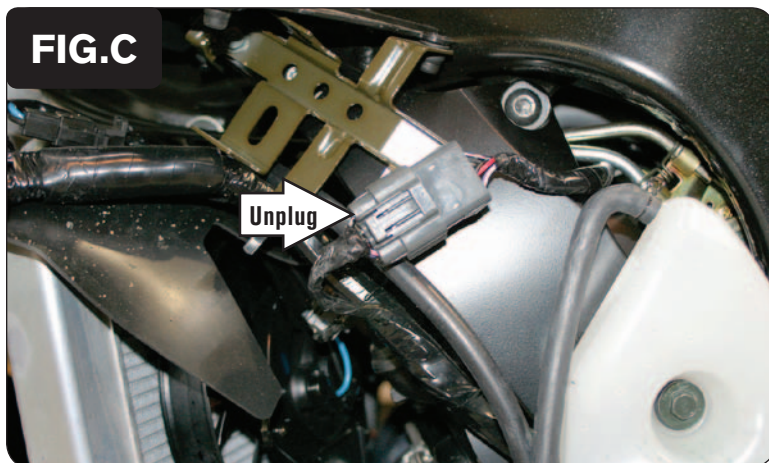
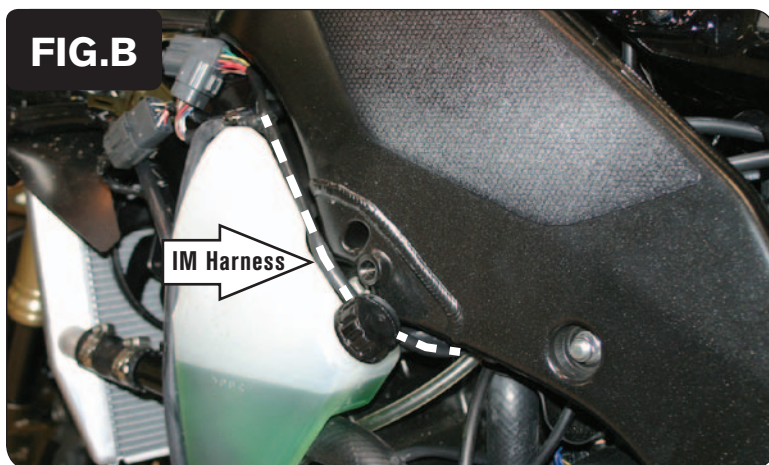
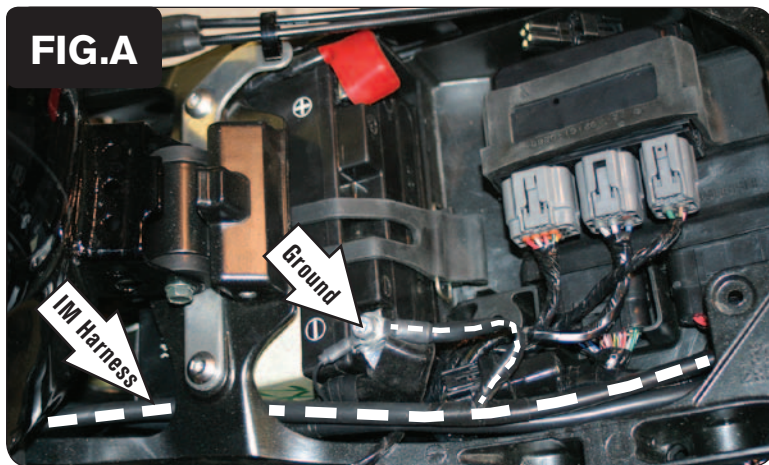
This is a digital ground. You can connect the BLACK/WHITE crank wire of the SFM to this location if necessary.

### Analog-

Not currently used - updates to follow

### Crank-

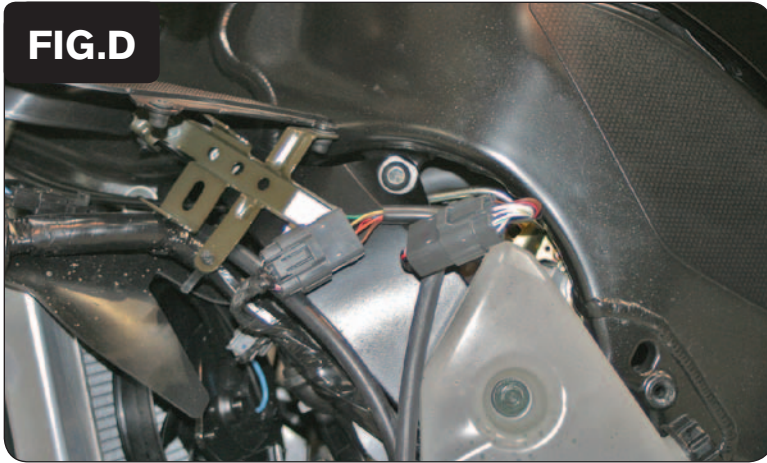
Connect the WHITE crank wire from the SFM (if installed) to this input. This is only needed if you are going to use the Rev X-tend feature.



- 1 Remove the main seat and passenger seat.
- 2 Prop the front of the fuel tank up.
- 3 Remove the left hand side mid-fairing.
- 4 Install the Ignition Module next to the Power Commander V.  
*The Velcro can be used if necessary to keep the unit in place. Clean the surface area with the supplied alcohol swab prior to applying the Velcro.*
- 5 Route the harness of the Ignition Module between the tail section and the subframe.  
*Removing the battery will allow you to easily route the harness underneath the frame, which makes for a cleaner install.*
- 6 Reinstall the battery with the Ignition Module and PCV ground wires attached to the negative (-) terminal of the battery (Fig. A).
- 7 Route the wiring harness to the outside of the frame on the left hand side and along the top of the coolant reservoir bottle (Fig. B).
- 8 Locate and unplug the stock sub-harness connector from the ignition coils (Fig. C).

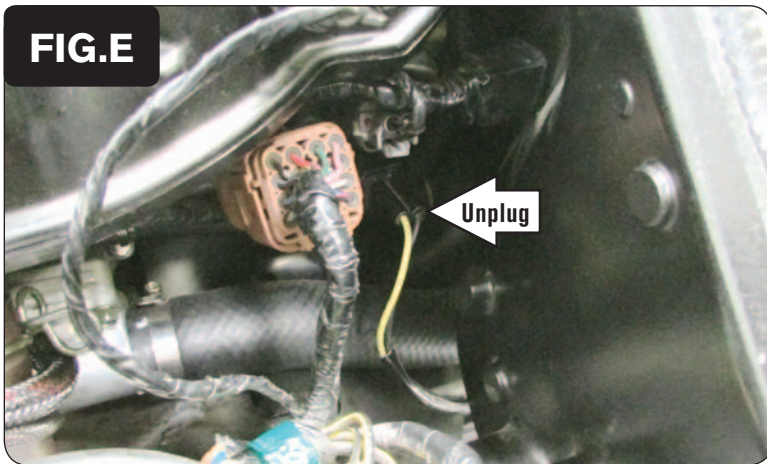


**FIG.D**



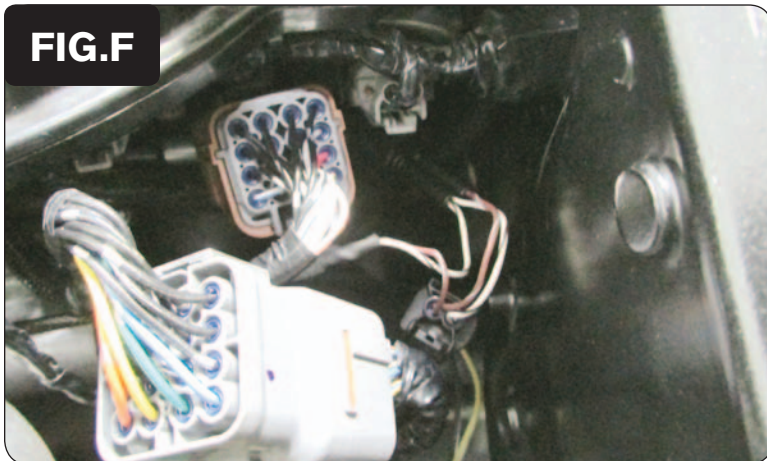
- 9 Connect the pair of Ignition Module connectors in-line of the stock connectors (Fig. D).

**FIG.E**



- 10 Locate and unplug the stock Crank Position Sensor connectors (Fig. E).  
*This is a BLACK 2-pin connector located on the right hand side of the bike under the fuel tank and next to where the Power Commander is connected.*

**FIG.F**



- 11 Plug the pair of 2-pin connectors of the Ignition Module in-line of the stock Crank Position Sensor connectors (Fig. F).

**FIG.G**



- 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.
- 14 Secure the modules in the tail section (Fig. G).
- 15 Secure the front of the fuel tank.
- 16 Reinstall the left side mid-fairing.
- 17 Reinstall the seats.

*Make sure the wiring harness does not get pinched when reinstalling the main seat.*

