

IGNITION MODULE

FOR USE WITH

2011-2013 KTM RC8

Installation Instructions

PARTS LIST

- 1 Ignition Module
- 1 Installation Guide
- 2 Velcro strips
- 1 Alcohol swab
- 1 CAN link cable
- 1 USB cable



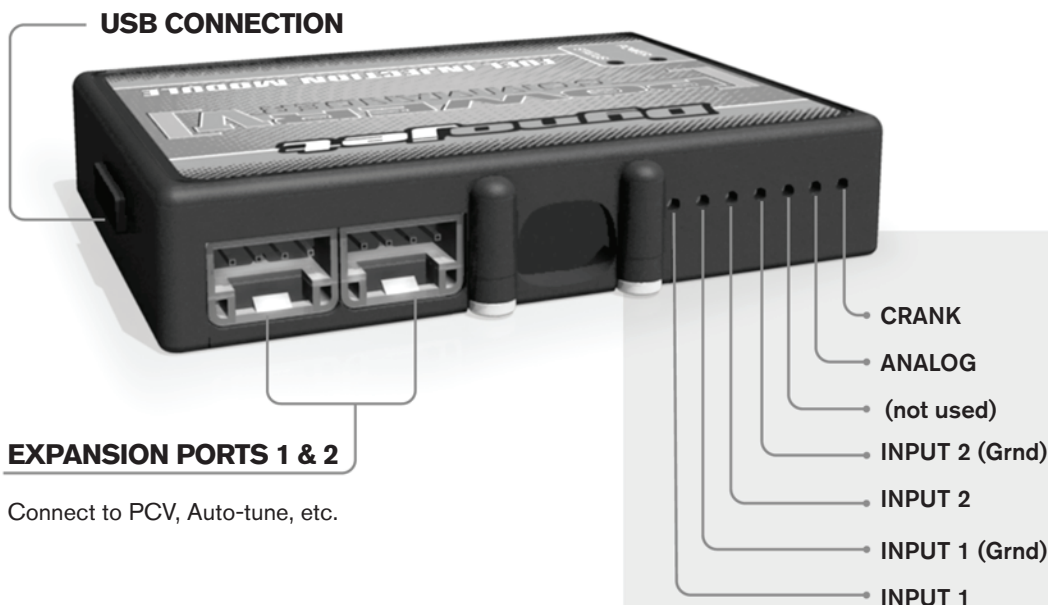
**THE VEHICLE'S IGNITION MUST BE TURNED OFF
DURING THIS INSTALLATION!
BEFORE THIS MODULE CAN BE USED THE
POWER COMMANDER 5 MAY NEED TO BE UPDATED.
(SEE INCLUDED INSTRUCTIONS.)**

PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION

Dynojet

2191 Mendenhall Drive North Las Vegas, NV 89081 (800) 992-4993 www.powercommander.com

IGNITION MODULE V INPUT ACCESSORY GUIDE



Wire connections:

To input wires into the IM 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 IM 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

The Speed Limiter function can use Switch Input #1 or #2. This feature has the ability to activate a limiter based on vehicle 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. This feature is configured to Switch Input #1 by default.

Launch

The Launch Control feature also uses Switch Input #1 or #2. This feature is intended to be used as a two stage rev-limiter. 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 to be connected to the grounding side of the clutch switch and the other end into the switch input. This feature is configured to Switch Input #2 by default.

Ground

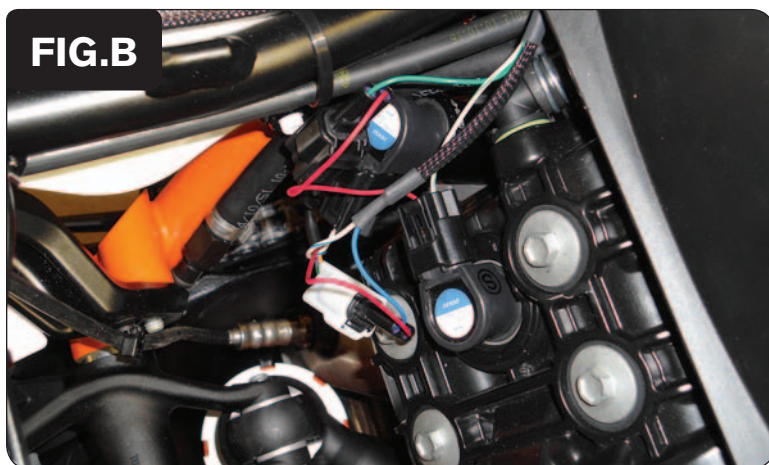
These are constant digital grounds.

Analog-

Not currently used - updates to follow

Crank-

Not used in this application



- 1 Remove the seat.
- 2 Prop the front of the fuel tank up.
- 3 Install the Ignition Module near the Power Commander. The Velcro can be used if necessary to keep the unit in place. Clean surfaces with the supplied alcohol swab before attaching the Velcro.
- 4 Plug the CAN link cable into one of the expansion ports of the Ignition Module and the other end into one of the expansion ports of the PCV.

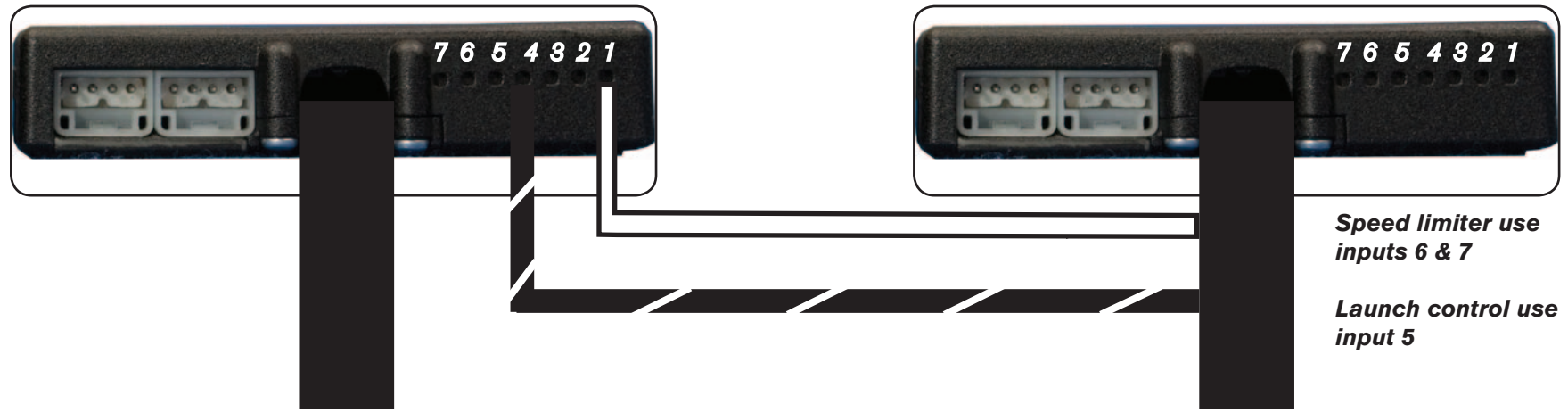
It doesn't matter which ports you use.

Older Ignition Modules with a serial number beginning with 14 or less might also require a CAN termination plug to be installed in an empty port. Newer Ignition Modules with a serial number starting with 15 or higher do NOT require CAN termination plugs.

- 5 Connect the WHITE and BLACK/WHITE wires from the Ignition Module into the PCV. (See page 4 for more info.)
- 6 Attach the ground wire from the Ignition Module with the small ring lug to the negative (-) terminal of the bike's battery.
- 7 Route the Ignition Module harness down the left side of the motorcycle.
- 8 Connect the GREEN wires of the Ignition Module in-line of the REAR, LEFT coil (Fig. B).
- 9 Connect the BLUE wires of the Ignition Module in-line of the REAR, RIGHT coil (Fig. B).
- 10 Continue routing the Ignition Module harness along the left side of the engine going under the air box.
- 11 Locate the front ignition coils (Fig. C).
- 12 Connect the ORANGE wires of the Ignition Module in-line of the FRONT, LEFT coil.
- 13 Connect the YELLOW wires of the Ignition Module in-line of the FRONT, RIGHT coil.
- 14 Reinstall the fuel tank and the seat.

PCV

Ignition Module



Connecting the Ignition Module to the PCV:

- The unterminated WHITE and the BLACK/WHITE wires of the Ignition Module wiring harness **MUST** be connected to the PCV for the device to work.
- Connect the WHITE wire from the Ignition Module to the #1 input position of the PCV. Connect the BLACK/WHITE wire to the #4 input position of the PCV. The BLACK/WHITE wire can also be connected to the #6 input position of the PCV, if necessary. If both #4 and #6 inputs are already occupied, you can splice the BLACK/WHITE wire to the wire that is currently occupying either of these inputs.

Adding the Ignition Module to the PCV network:

- First download and install the latest version of the PCV Control Center Software (which is version 1.0.6.4.) from the PCV - Downloads page of www.powercommander.com.
- To use the Ignition Module you may need to update your firmware in the PCV (and SFM if being used). Make sure the PCV, SFM, and Ignition Module are all updated to PCV firmware version 0.1.10.6 or newer. Go to View -> Device Information in the software to see the current versions. If you need to update the firmware, go to Power Commander Tools -> Update Firmware. The latest version of the PCV firmware and software can be found on the PCV - Downloads page of www.powercommander.com.
- 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.