

IGNITION MODULE

FOR USE WITH

2014-2015 KTM 1290 Superduke R

2015 KTM Super Adventurer

Installation Instructions

**[POWERV]
COMMANDER V**

PARTS LIST

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



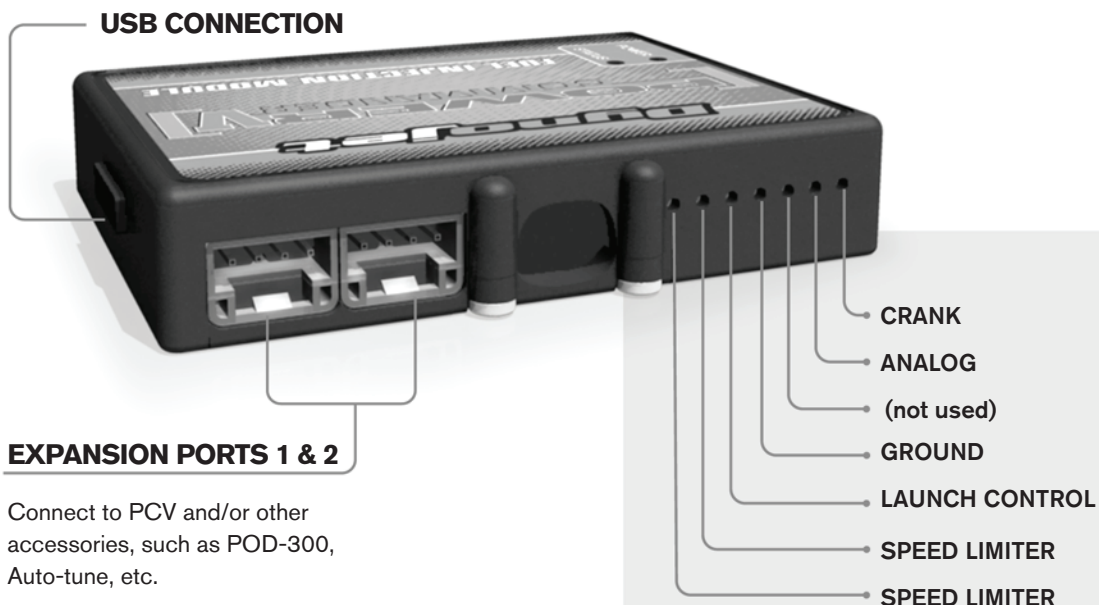
**THE IGNITION MUST BE TURNED OFF BEFORE
INSTALLATION!
BEFORE THIS MODULE CAN BE USED THE
POWER COMMANDER MAY NEED TO BE UPDATED.**

PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION

Dynojet

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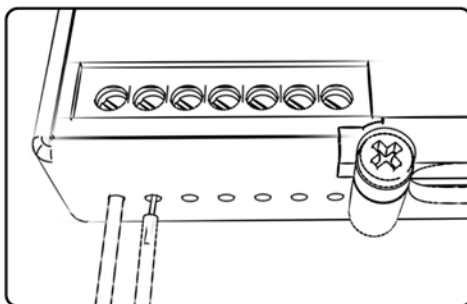
IGNITION MODULE V INPUT ACCESSORY GUIDE



Wire connections:

To input wires into the 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

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-

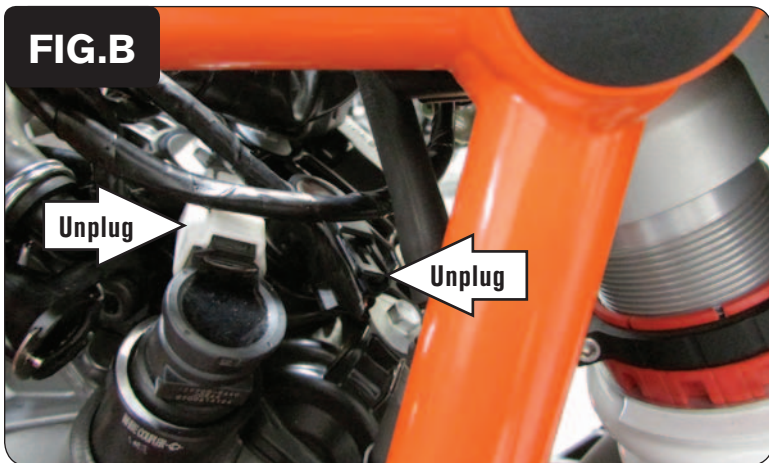
Not currently used - updates to follow

Crank-

N/A.

FIG.A

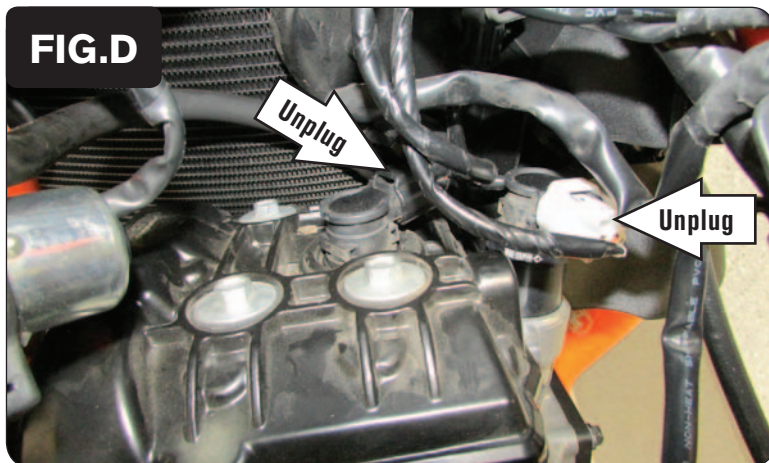
- 1 Remove both of the seats. Remove the 2 panels at both sides of the fuel tank. Remove the small panel on top of the fuel tank. Remove the fuel tank. Remove the airbox.
- 2 Place the Ignition Module in the tail next to the PCV module. Route the Ignition Module wiring harness towards the engine following alongside the PCV wiring harness.
- 3 Secure the Ignition Module's ground wire with the small ring lug to the same common ground bolt as the PCV located just forward of the bike's ECU (Fig. A).

FIG.B

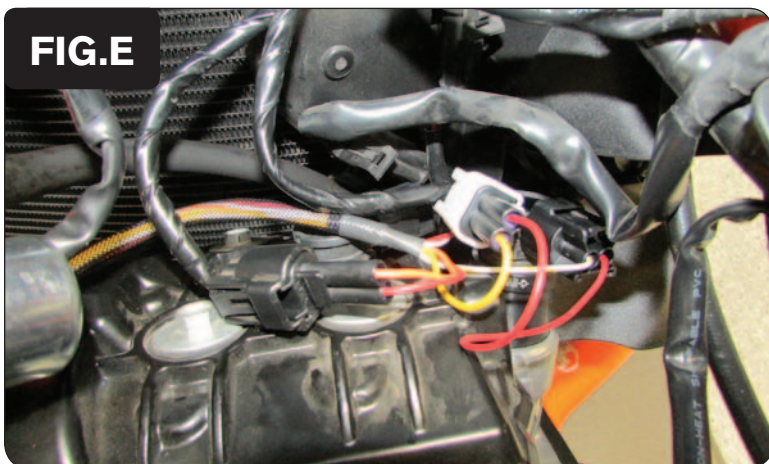
- 4 At the rear cylinder head, unplug the stock BLACK connector from the Primary Rear Cylinder Ignition Coil at the center of the head. Also unplug the stock WHITE connector from the Secondary Rear Cylinder Ignition Coil at the side of the head (Fig. B).

FIG.C

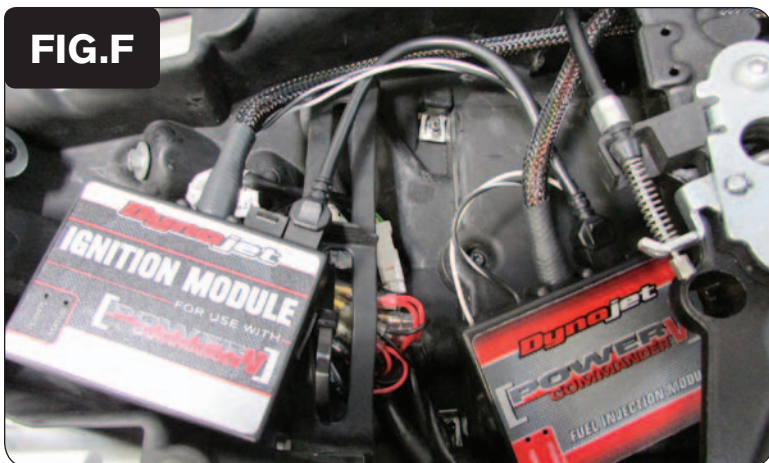
- 5 Plug the pair of Ignition Module connectors with GREEN colored wires in-line of the Rear Primary Coil and the stock BLACK connector.
- 6 Plug the pair of Ignition Module connectors with BLUE colored wires in-line of the Rear Secondary Coil and the stock WHITE connector (Fig. C).
- 7 Continue routing the rest of the Ignition Module wiring harness forward to the Front Cylinder Head.



- 8 At the front cylinder head, unplug the stock BLACK connector from the Primary Front Cylinder Ignition Coil at the center of the head. Also unplug the stock WHITE connector from the Secondary Front Cylinder Ignition Coil at the side of the head (Fig. D).



- 9 Plug the pair of Ignition Module connectors with ORANGE colored wires in-line of the Front Primary Coil and the stock BLACK connector.
- 10 Plug the pair of Ignition Module connectors with YELLOW colored wires in-line of the Front Secondary Coil and the stock WHITE connector (Fig. E).



- 11 Back in the tail section, connect an available expansion port on the PCV module to an available expansion port on the Ignition Module using the supplied 6" CAN link cable.
- 12 Plug the supplied CAN termination plug into the other expansion port of the Ignition Module.
This is a small hard plastic plug provided in the kit (PN: 76423025). It is CRITICAL that this be installed and it is often overlooked.
- 13 Connect the WHITE and BLACK/WHITE crank wires of the Ignition Module to the PCV wire terminal strip, as described on page 5.
- 14 Secure the modules in the tail section using the supplied Velcro.
Clean all surfaces with the supplied alcohol swab prior to attaching the Velcro.
- 15 Reinstall the airbox, fuel tank, bodywork, and seats.

