POWER COMMANDER 6

Installation Guide for: PC6-14039

Model Coverage: 2017 Ducati Multistrada 950

PARTS LIST

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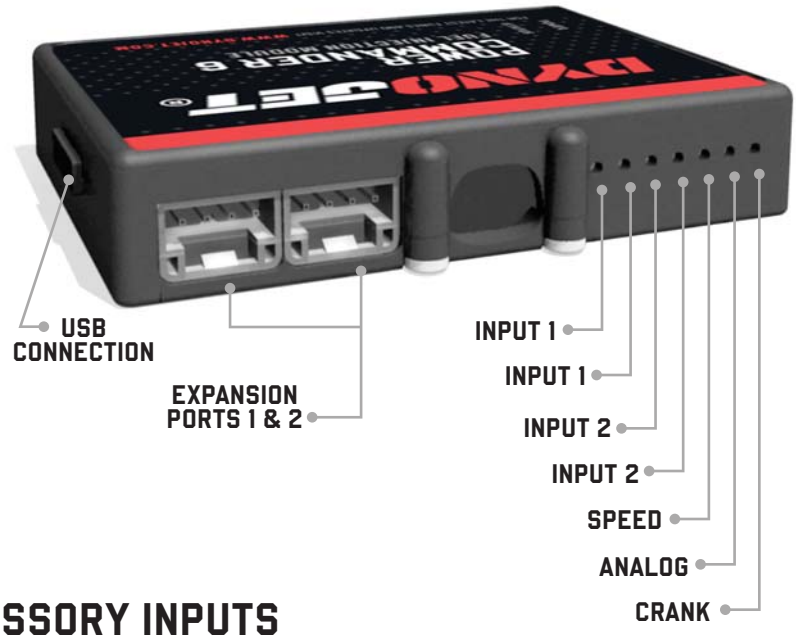
PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION.
THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION.

IPC6-14039.01

INPUT ACCESSORY GUIDE



OPTIONAL ACCESSORY INPUTS

Map (Input 1 or 2) The PC6 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.

Shifter (Input 1 or 2) Used for clutch-less full throttle upshifts. Insert the wires from the Dynojet quick shifter into either Input 1 or Input 2. The polarity of the wires is not important. Set to Input 2 by default.

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 quick shifter.

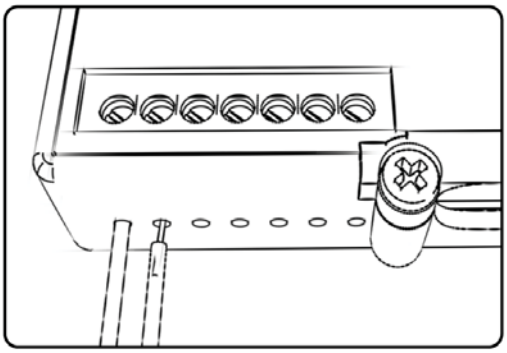
Analog This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the Power Core software.

Launch You can connect a wire to either Input 1 or Input 2 and then the other end to a switch. This switch when engaged (continuity) will only allow the RPM to be raised to a certain limit (set in the software). When released, you will have full RPM.

WIRE CONNECTIONS

To input wires into the PC6 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 PC6 until it stops and then tighten the screw. Make sure to reinstall the rubber plug.

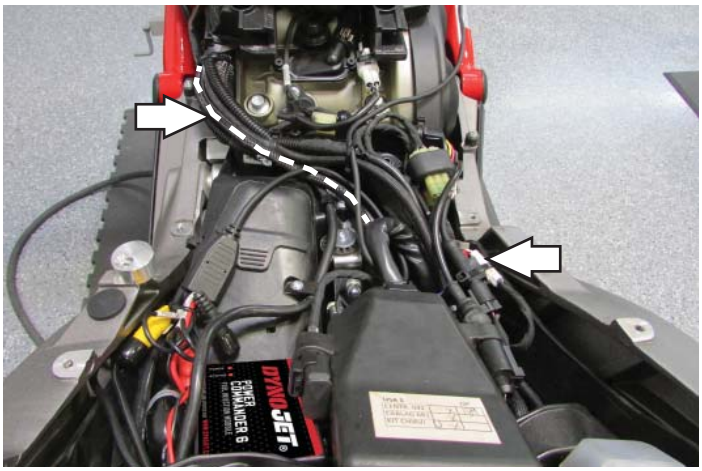
NOTE: If you tin the wires with solder it will make inserting them easier.



INSTALLING THE POWER COMMANDER 6

1 Remove the seats, side panels, and all of the bodywork surrounding the fuel tank.

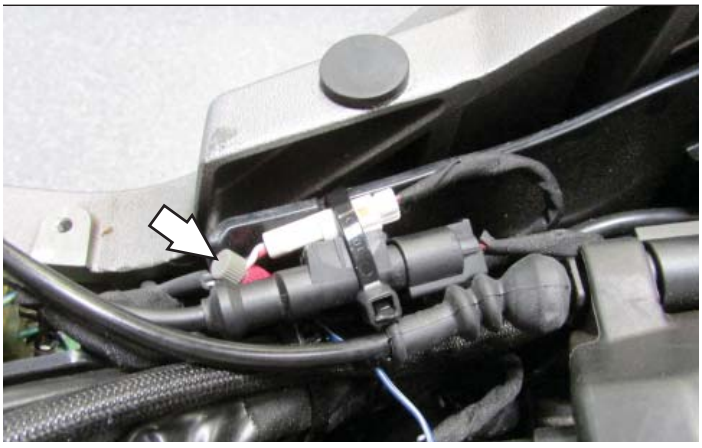
2 Loosen the fuel tank. Lift and prop the rear of the fuel tank.



3 Using the supplied Velcro, secure the PC6 module to the top of the battery.

Make sure to use the supplied alcohol swab to clean both surfaces before attaching the Velcro.

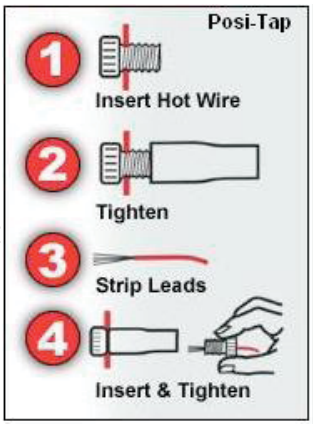
4 Route the PC6 harness towards the engine. Go beneath the stock electronics and alongside the stock wiring. Try to keep the harness as low as possible. Space is limited on this model.



5 Locate the WHITE 3-pin Gear Position sensor connector on the right side of the bike.

6 Using the supplied Posi-tap, attach the single unterminated BLUE/WHITE wire from the PC6 to the stock WHITE wire on the Gear Position sensor connector.

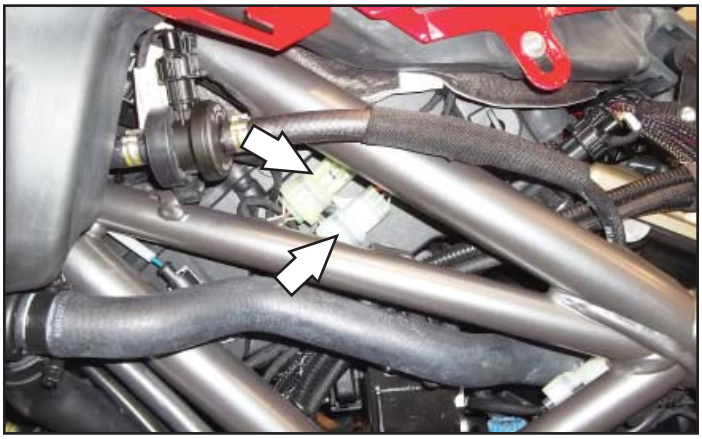
This gear position analog voltage signal input is optional.



7 Beneath the rear of the fuel tank on the left side of the bike, locate and unplug the stock Fuel Injector connector and the stock Throttle Body Servo connector for the Vertical cylinder.

The Fuel Injector connector is a CLEAR 3-pin connector.

The Throttle Body Servo connector for the Vertical cylinder is a CLEAR 6-pin connector.

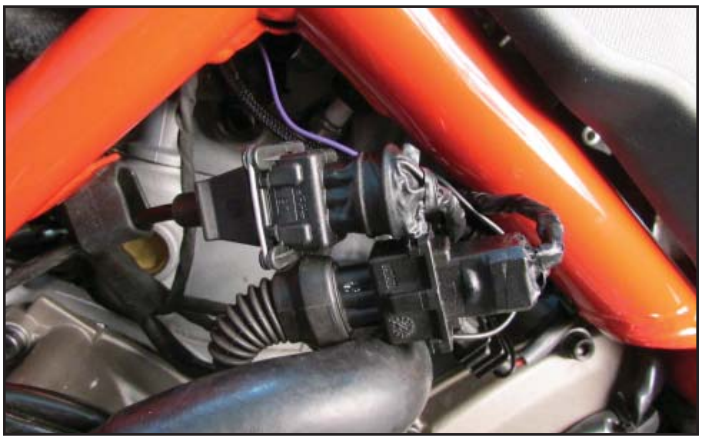


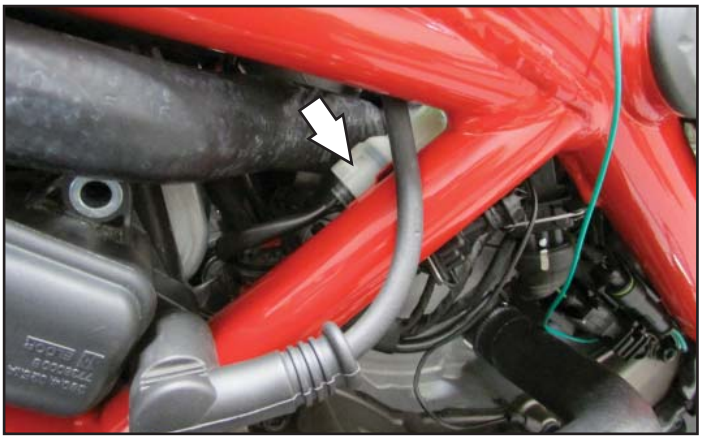
8 Plug the PC6 wiring harness in-line of the stock Injector and Throttle Body Servo connectors.

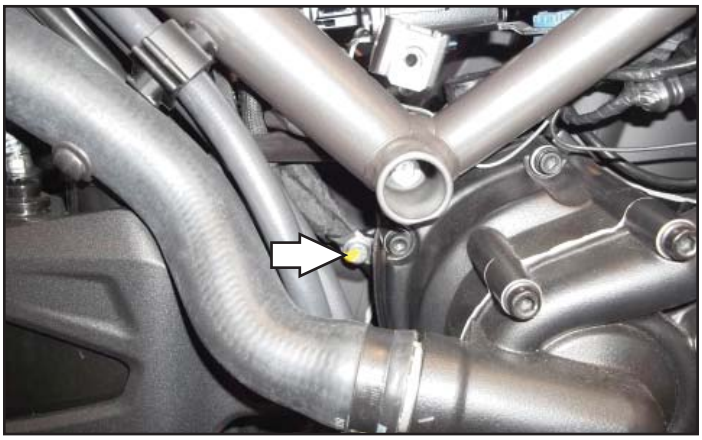
9 Store the extra connectors under the fuel tank as close to the original location as possible. Route the remaining branch of the PC6 wiring harness downward, towards the left side of the engine. Keep the wiring inside of the frame.

10 Locate and unplug the stock Crank Position Sensor connectors on the left side of the engine.

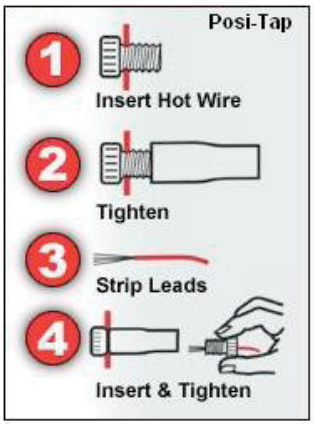
11 Plug the PC6 wiring harness in-line of the stock Crank Position Sensor connectors.







12 Use the remaining Posi-tap to attach the single unterminated GREY/WHITE wire of the PC6 to the stock GREEN/WHITE wire of the bike's Engine Temperature Sensor connector.



This connector is located inside the frame rail on the left side of the bike, just above the stock Crank Position Sensor connectors.

This engine temperature analog voltage signal input is optional.

13 Secure the PC6 ground wire with the small ring terminal to the stock common ground bolt on the left side of the engine..

14 Reinstall the fuel tank, all of the bodywork, and the seats.

Download the latest map files from our web site at dynojet.com/tunes.

Tuning Notes:
This bike uses a fly-by wire system, so conventional tuning can not be performed for all RPM and throttle ranges.

The throttle position input for the PC6 is attached to the throttle blade angle sensor of the throttle bodies which is NOT directly correlated to the throttle grip position. Because of this when setting the throttle position in the PC6 software we recommend on resetting only the closed position after the bike has completely warmed up. Use the arrow key (<) next to CLOSED to perform this step and then click OK. Do not try to set the OPEN position.

The stock fuel curve can not be adjusted at 5-20% throttle up to 6250 RPM. This is where the stock ECU goes into closed loop.

PUSH THE LIMIT

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