

# POWER COMMANDER 6

Install Guide for: PC6-18023

Model coverage:

2017-2020 KTM RC390

2017-2020 KTM 390 Duke

## PARTS LIST

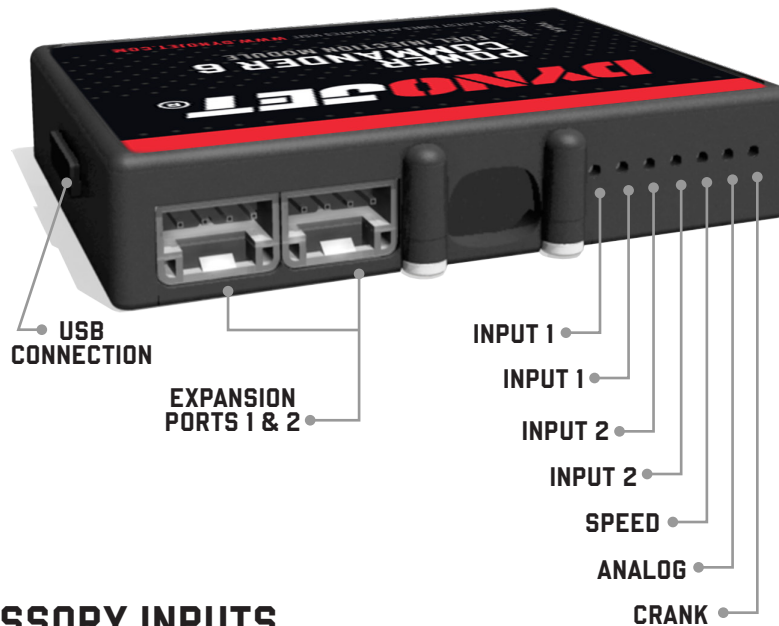


- |   |                        |   |               |
|---|------------------------|---|---------------|
| 1 | POWER COMMANDER 6      | 2 | VELCRO STRIPS |
| 1 | INSTALLATION GUIDE     | 1 | ALCOHOL SWAB  |
| 1 | USB CABLE              | 2 | ZIP TIES      |
| 2 | DYNOJET DECALS         | 1 | EO LABEL      |
| 2 | POWER COMMANDER DECALS |   |               |

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



# INPUT ACCESSORY GUIDE



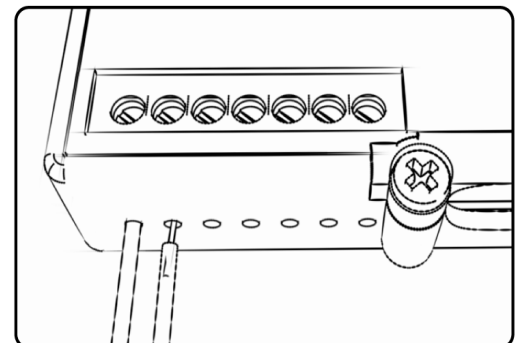
## OPTIONAL ACCESSORY INPUTS

- 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 quickshifter. .
- 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.

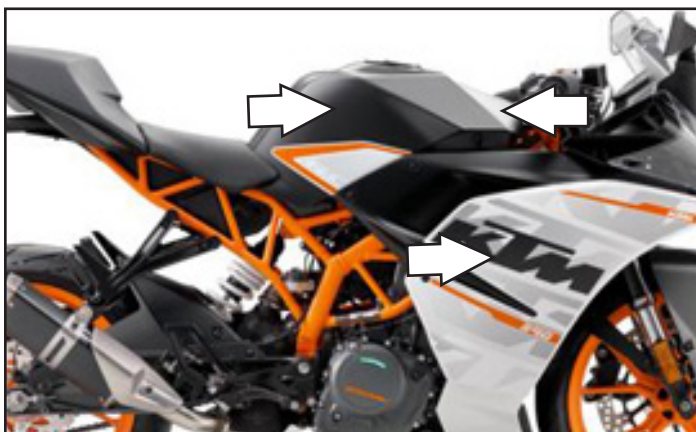
## WIRE CONNECTIONS

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.

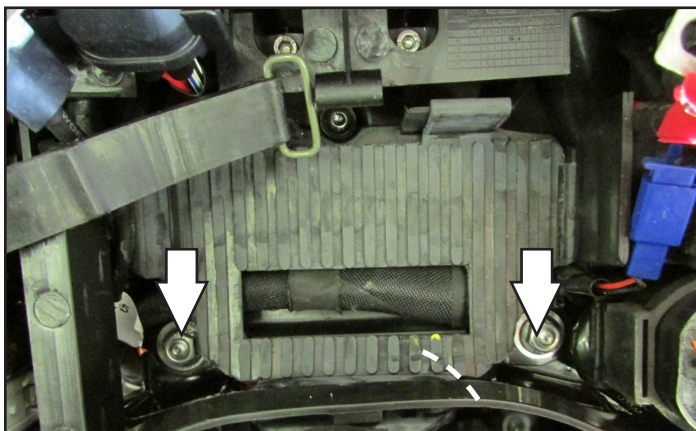


# INSTALLING THE POWER COMMANDER 6



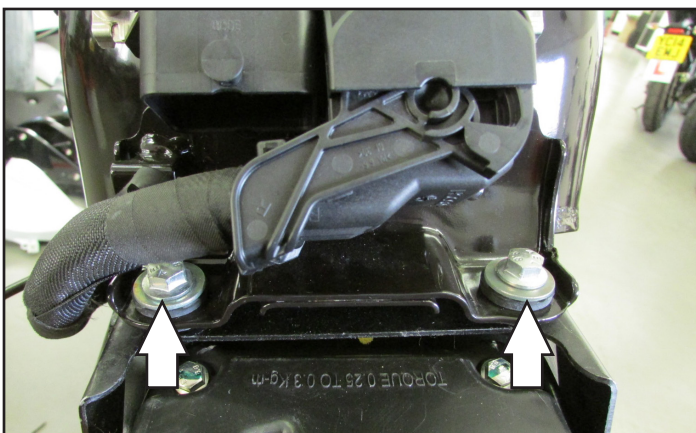
REMOVE BODYWORK

- 1 Remove the battery access cover, fuel tank cover, and side panels.



REMOVE BOLTS IN BATTERY TRAY

- 4 Remove the battery.
- 5 To remove the fuel tank remove the two bolts at the bottom of the battery box.



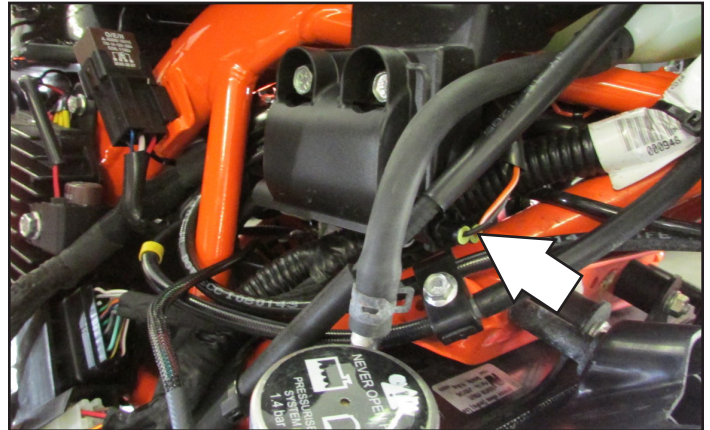
REMOVE BOLTS

- 6 Remove the 2 bolts at the rear of the fuel tank.
- 7 Unplug the wiring harness from the ECU and remove the fuel tank.

# INSTALLING THE POWER COMMANDER 6

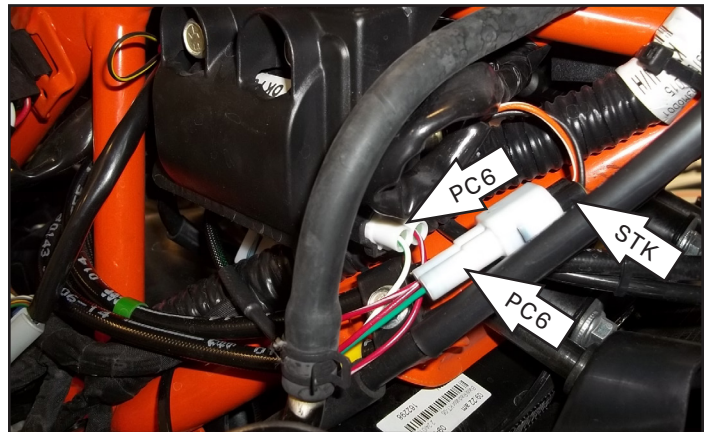
- 8 Unplug the stock wiring harness from the ignition coil.

*This is a BLACK, 2 pin connector on the right hand side.*



UNPLUG COIL

- 9 Plug the PC6 in-line of the stock wiring harness and stock ignition coil.

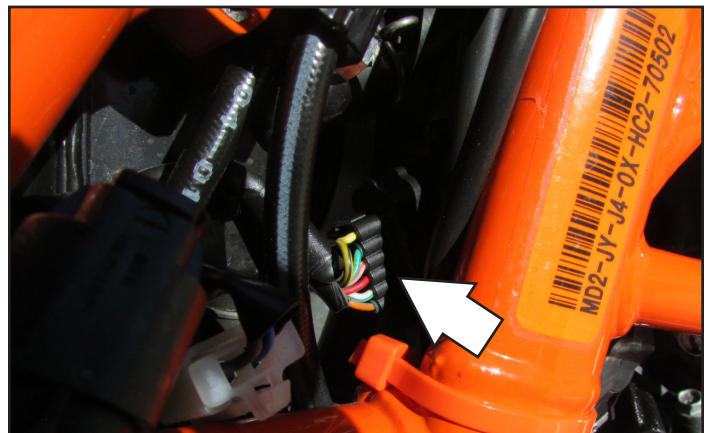


CONNECT TO COIL

- 10 Unplug the stock Throttle Position Sensor connector.

*This is a BLACK, 6 pin connector on the RH side of the throttle body.*

- 11 Plug the PC6 in-line of the stock TPS and wiring harness.



CONNECT TO TPS

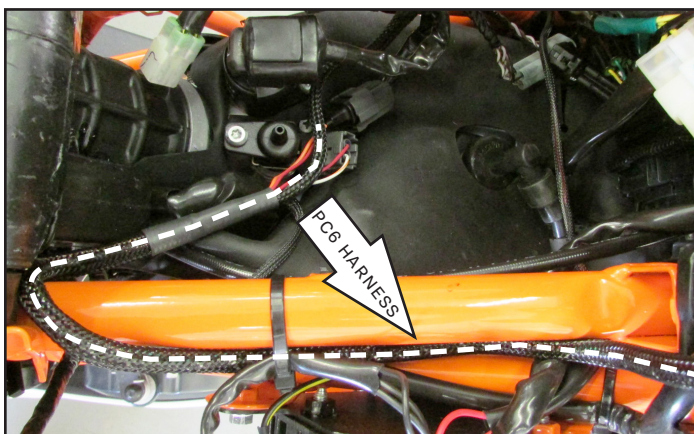


# INSTALLING THE POWER COMMANDER 6



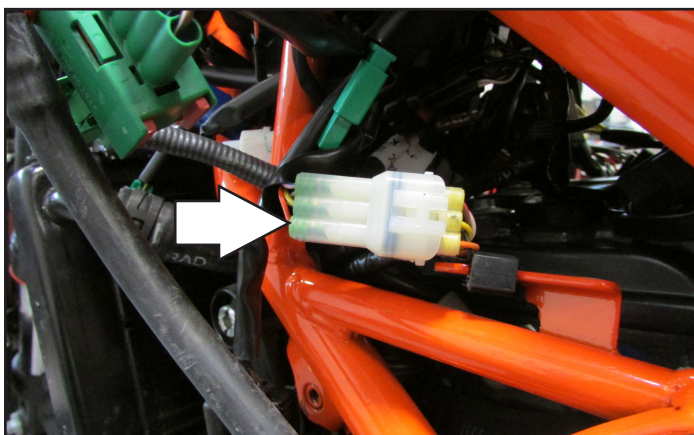
UNPLUG INJECTOR

- 12 Unplug the wiring harness from the fuel injector.



CONNECT TO INJECTOR

- 13 Plug the PC6 in-line of the stock fuel injector and wiring harness.
- 14 Route the PC6 harness as shown and secure to the frame using the zip tie.



UNPLUG CPS

- 15 Unplug the stock Crank Position Sensor connector.
- This is a WHITE, 6 pin connector near the FRT, LH side of the cylinder head.*

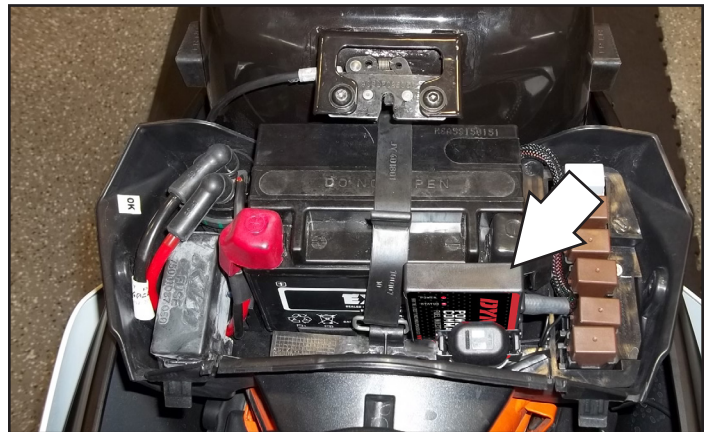
# INSTALLING THE POWER COMMANDER 6

- 16 Plug the PC6 in-line of the stock CPS and wiring harness.



CONNECT TO CPS

- 17 Reinstall fuel tank and battery.
- 18 Secure the PC6 to the front of the battery.
- 19 Attach the ground wire of the PC6 to the negative side of the battery.
- 20 Reinstall bodywork.
- 21 Affix the supplied CARB E.O. label to a conspicuous area. Next to the original emissions label is the preferred location. Make sure to clean the surface before attaching.



INSTALL PC6

Download the latest map files from our web site at [dynojet.com/tunes](http://dynojet.com/tunes).



# **PUSH THE LIMIT**

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