POWER COMMANDER 6

Install guide for: PC6-22084

Model coverage:
2017 Yamaha FZ-09
2018-2020 Yamaha MT-09

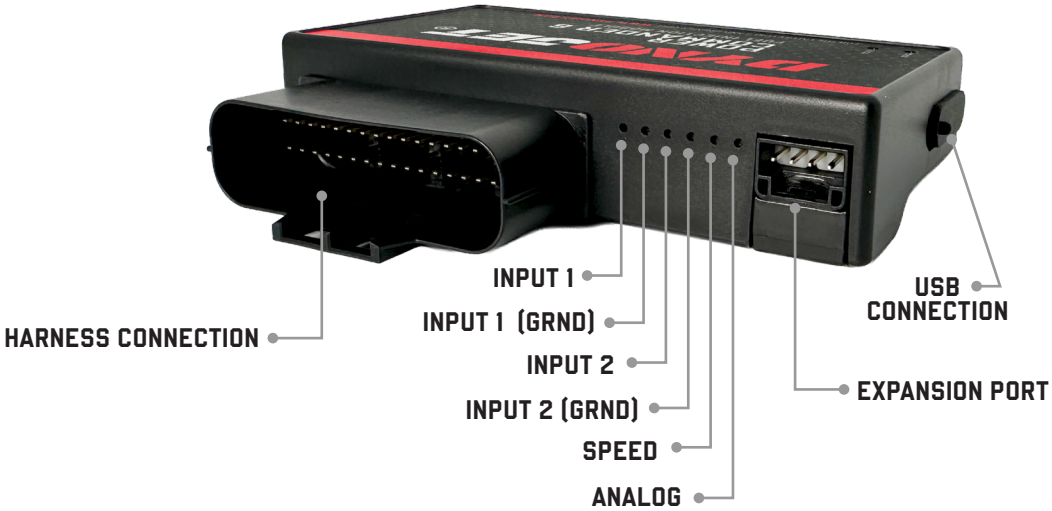
PARTS LIST

1	POWER COMMANDER 6	2	POWER COMMANDER DECALS
1	INSTALLATION GUIDE	3	VELCRO STRIPS
1	USB CABLE	1	ALCOHOL SWAB
2	DYNOJET DECALS	1	POSI-TAP

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

IPC6-22084.02

INPUT ACCESSORY GUIDE—NEW PC6



INSTALLATION—HARNESS CONNECTION

Route the PC6 harness following the instructions in this guide. To complete installation, click the harness and module together and secure the PC6 in the location as described.

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.

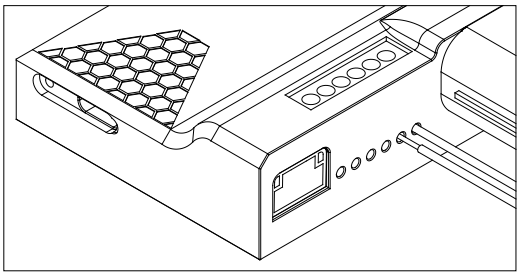
Analog This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the Power Core software.

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.



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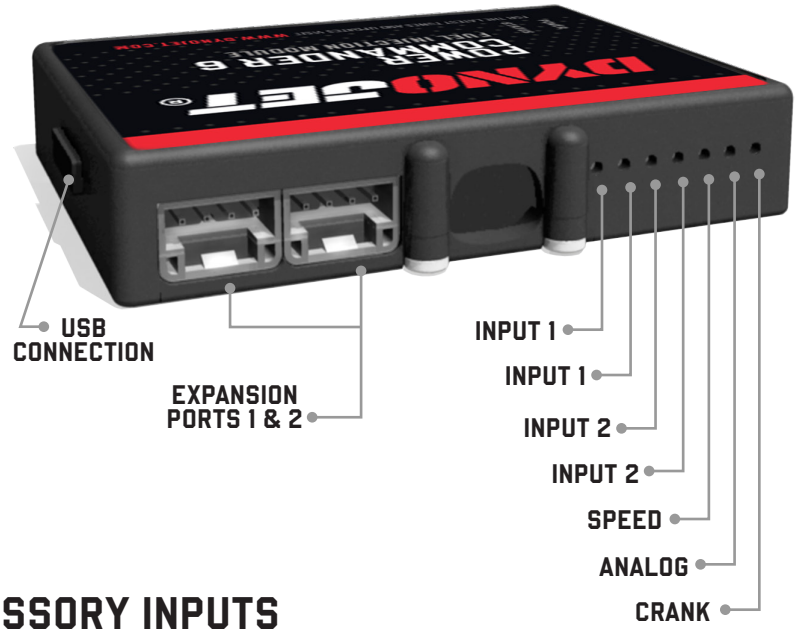

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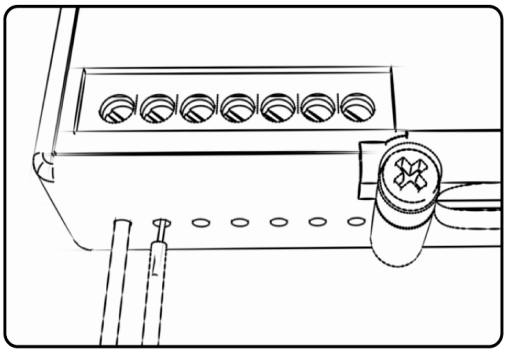


INSTALLING THE POWER COMMANDER 6

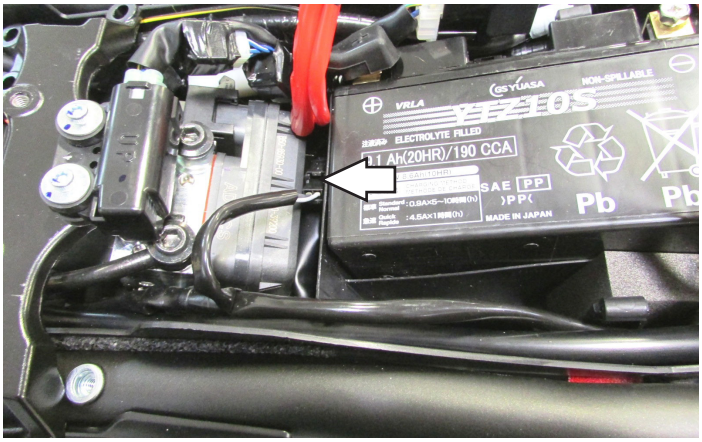
REMOVE AIRBOX

1 Remove the seat.

2 Remove the fuel tank.

3 Unplug the ECM.

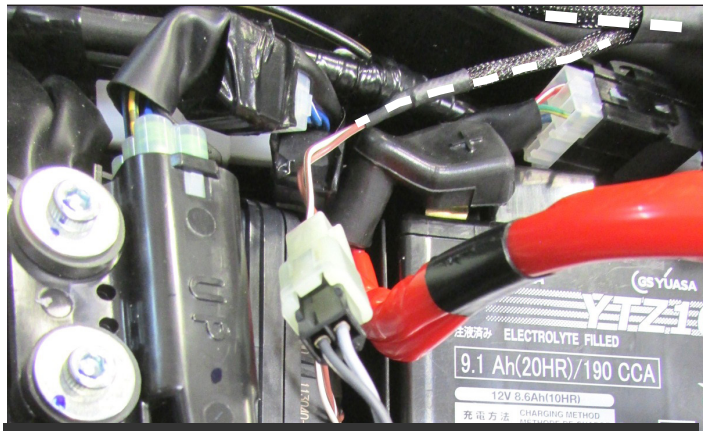
4 Remove the air box.



UNPLUG CPS

5 Locate and unplug the stock Crank Position Sensor connectors.

This is a pair of BLACK 2-pin connectors just forward of the battery.



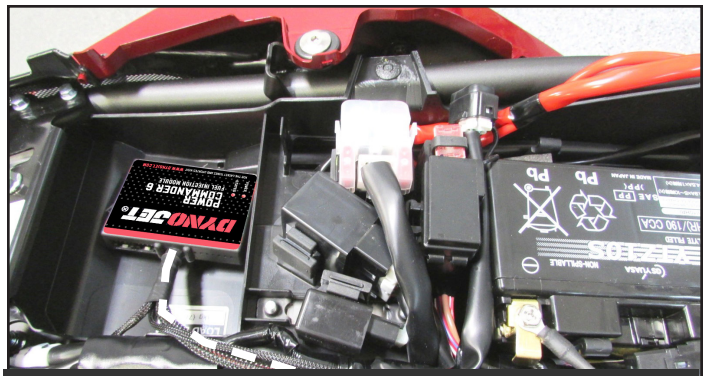
CONNECT TO CPS

6 Plug the pair of PC6 connectors with BROWN colored wires in-line of the stock Crank Position Sensor connectors.

7 Using one of the supplied Velcro strips, secure the PC6 module in the tail section.

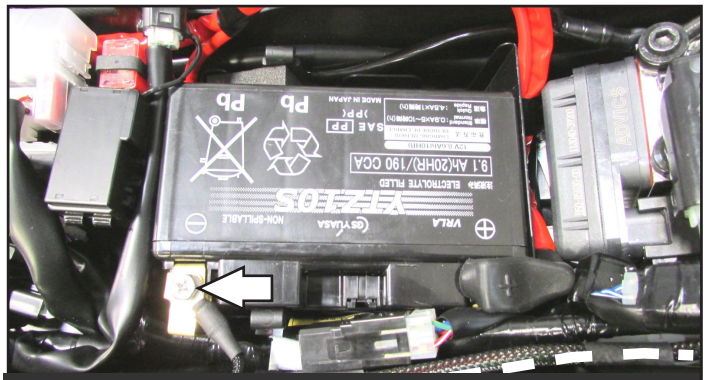
Use the supplied alcohol swab to clean the surface area prior to applying the Velcro.

8 Route the PC6 ground cable with the ring lug towards the negative (-) terminal of the bike's battery. Route the rest of the wiring harness forward towards the engine beneath the frame crossover bracket and follow inside the right side frame rail.



INSTALL PC6

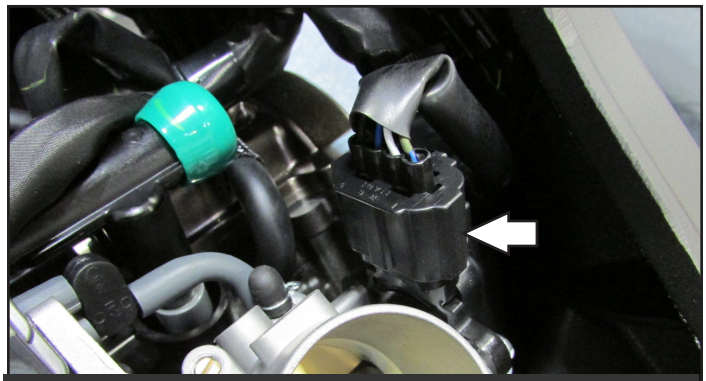
9 Secure the PC6 ground wire with the ring lug to the negative (-) terminal of the bike's battery.



ATTACH GROUND

10 Unplug the stock Throttle Position Sensor (TPS) connector.

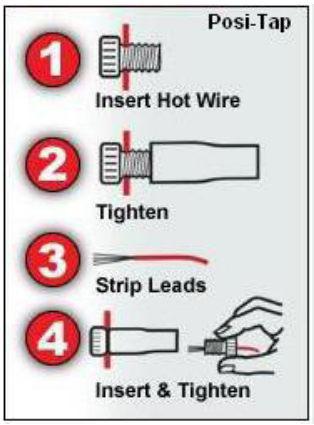
This is a BLACK 4-pin connector on the right side of the throttle bodies.

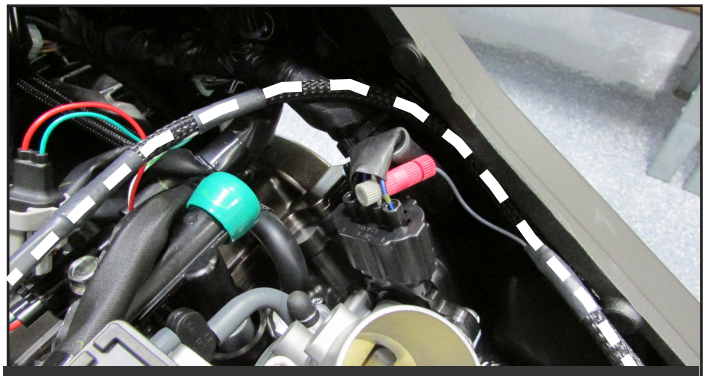


UNPLUG TPS

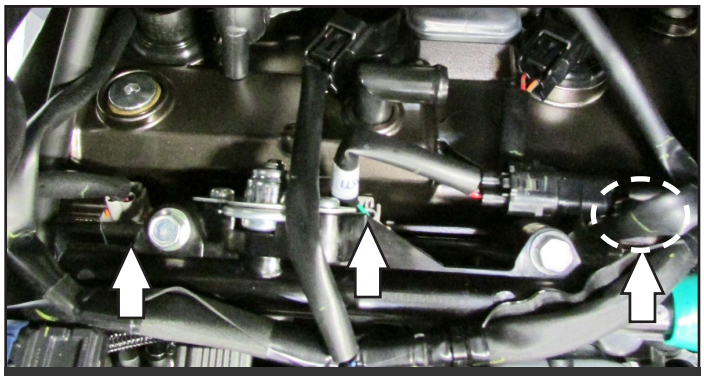
11 Use the supplied Posi-tap to attach the PC6's GREY wire to the stock WHITE wire of the bike's TPS. Reconnect the stock wiring harness to the TPS after attaching the GREY wire.

12 Continue routing the PC6 wiring harness across the top of the fuel rail.

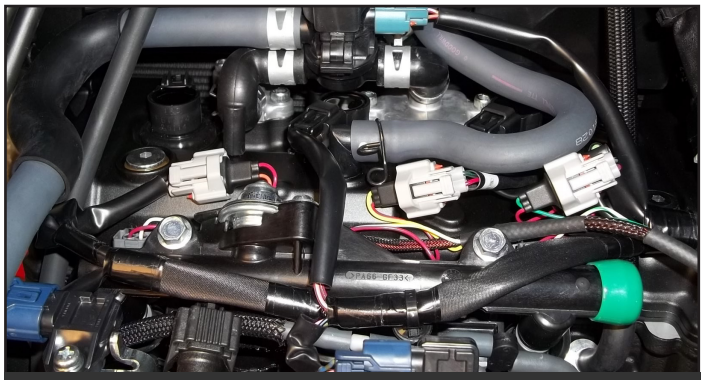




CONNECT TO TPS



UNPLUG INJECTORS



CONNECT TO INJECTORS

13 Unplug the stock wiring harness from all three of the bike's Fuel Injectors.

The cylinder #3 (right-most) injector cannot be seen from this picture. It is in the vicinity of the dashed circle.

14 Plug the PC6 wiring harness in-line of each Fuel Injector and the stock wiring harness.

The pair of PC6 leads with GREEN colored wires go in-line of the cylinder #3 (right-most) Fuel Injector and the stock wiring harness.

The pair of PC6 leads with YELLOW colored wires go in-line of the cylinder #2 (middle) Fuel Injector and the stock wiring harness.

The pair of PC6 leads with ORANGE colored wires go in-line of the cylinder #1 (left-most) Fuel Injector and the stock wiring harness.

15 Reinstall the air box. Plug in the ECM. Reinstall the fuel tank and the seat.

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

Optional Inputs:

12v source for Autotune - BLUE wire of WHITE 3-pin tail light connector.

TRUTH IN PERFORMANCE

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