POWER COMMANDER 6

Install guide for: PC6-21003

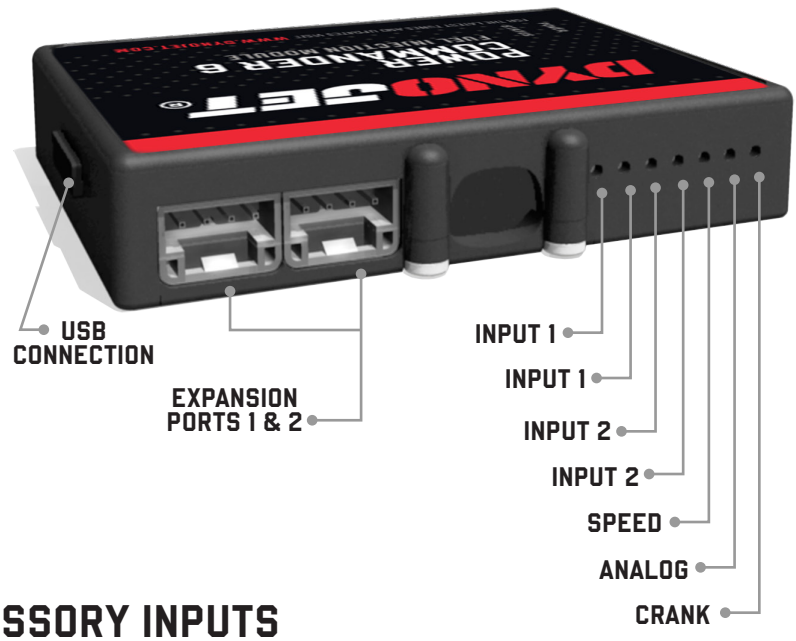
Model coverage:
2004-2019 Triumph Rocket III

PARTS LIST

1 POWER COMMANDER 6	2 POWER COMMANDER DECALS
1 INSTALLATION GUIDE	2 VELCRO STRIPS
1 USB CABLE	1 ALCOHOL SWAB
2 DYNOJET 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. .

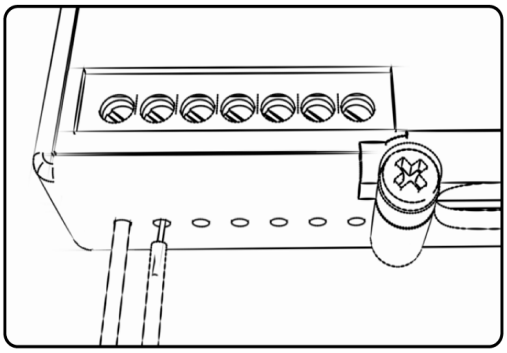
Analog This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the Power Core software.

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.

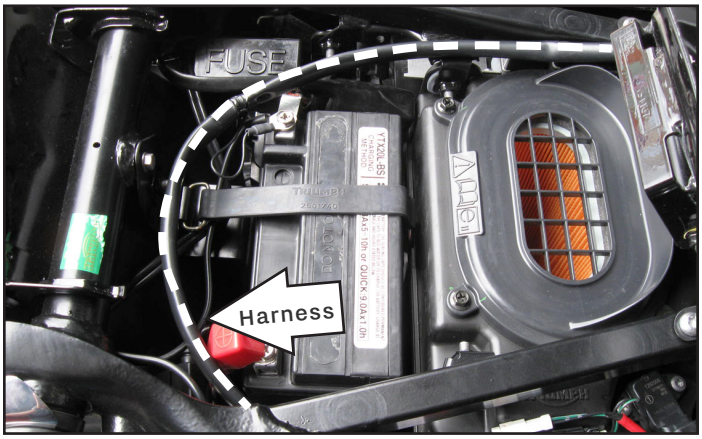
WIRE CONNECTIONS

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



ROUTE HARNESS / GROUND

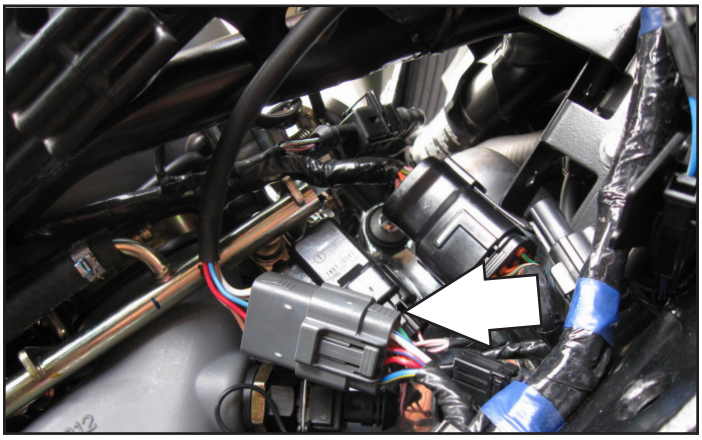
1 Remove the seat.

2 Prop the fuel tank up using the stock prop rod.

3 Remove the right hand side cover.

4 Route the PC6 harness from the right hand side of the bike, under the frame rail, down the left side of the bike, and towards the front of the bike (Fig. A).

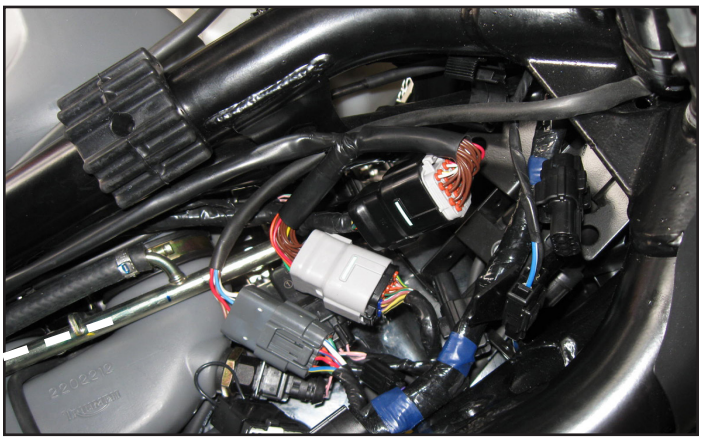
5 Attach the PC6 ground wire with the small ring lug to the negative (-) terminal of the bike's battery.



UNPLUG FROM INJECTORS

6 Unplug the BLACK 20-pin connectors from the throttle bodies to the main wiring harness.

This connector is located under the fuel tank towards the front of the bike.

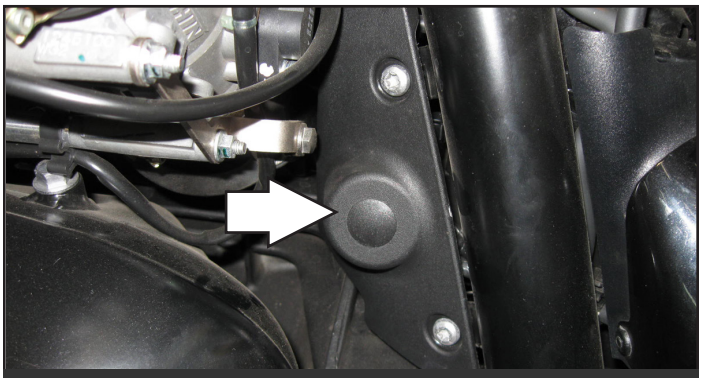


CONNECT TO SUBHARNESS

7 Plug the connectors from the PC6 in-line of the stock main wiring harness and throttle body sub-harness.

Tuck the connectors towards the front of the bike and down as far as possible to clear the fuel tank.

8 Remove the small plastic cover on the left side of the bike near the frame.

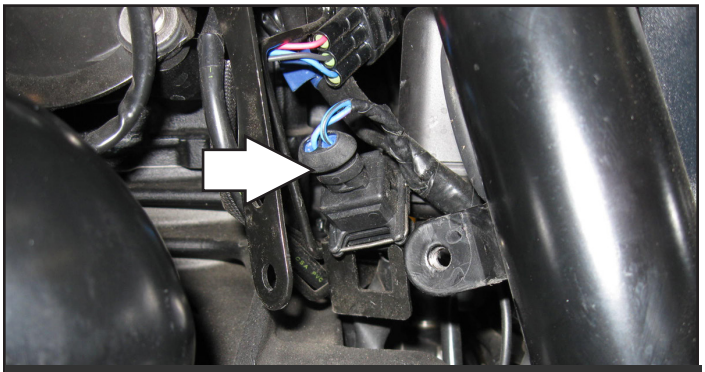


REMOVE COVER

9 Locate the stock Crank Position Sensor connectors.

This is a BLACK 2-pin connector pair.

10 Unplug the CPS connectors.



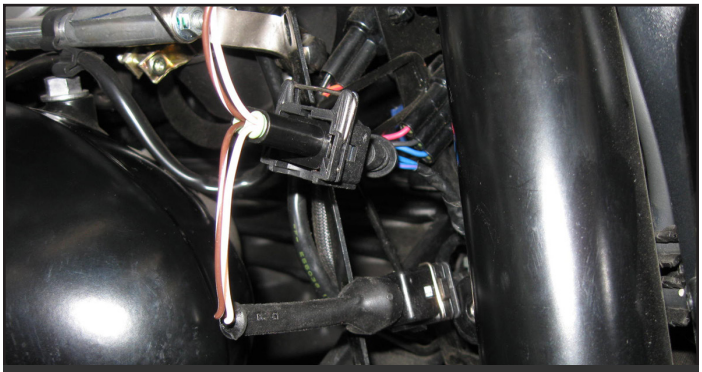
UNPLUG CPS

11 Plug the 2-pin connectors from the PC6 wiring harness in-line of the stock Crank Position Sensor connectors.

12 Reinstall the small plastic cover.

13 Secure the PC6 module to the side of the ECU using the supplied Velcro strips.

Clean both surfaces with the supplied alcohol swab prior to applying the Velcro.



CONNECT TO CPS

14 Bolt the fuel tank back into place.

15 Reinstall the side cover and the seat.

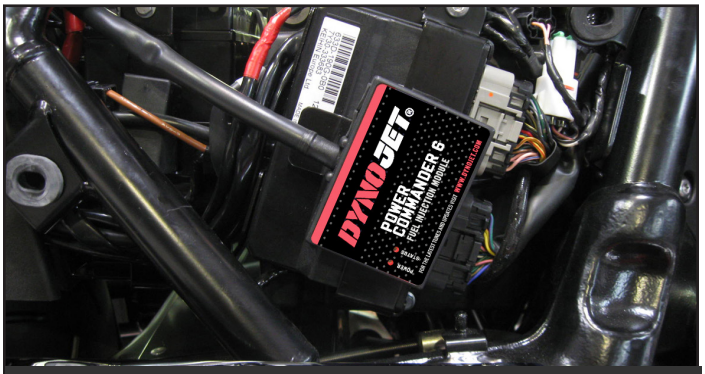
16 Affix the supplied CARB E.O. label to a conspicuous area. The best location is next to the original emissions label. Make sure to clean the surface before attaching the label.

Optional inputs:

Speed - PINK wire of sensor - sensor is located on right side of oil tank

Engine Temperature - PINK/GREEN wire of 2-pin BLACK connector behind coolant overflow bottle.

12v source for Auto-tune - YELLOW wire of tail light connector located near the ECU



INSTALL PC6

PUSH THE LIMIT

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