

POWER COMMANDER 6

Install guide for: PC6-20020

Model coverage: 2016-2020 Triumph Thruxton R

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 | | |

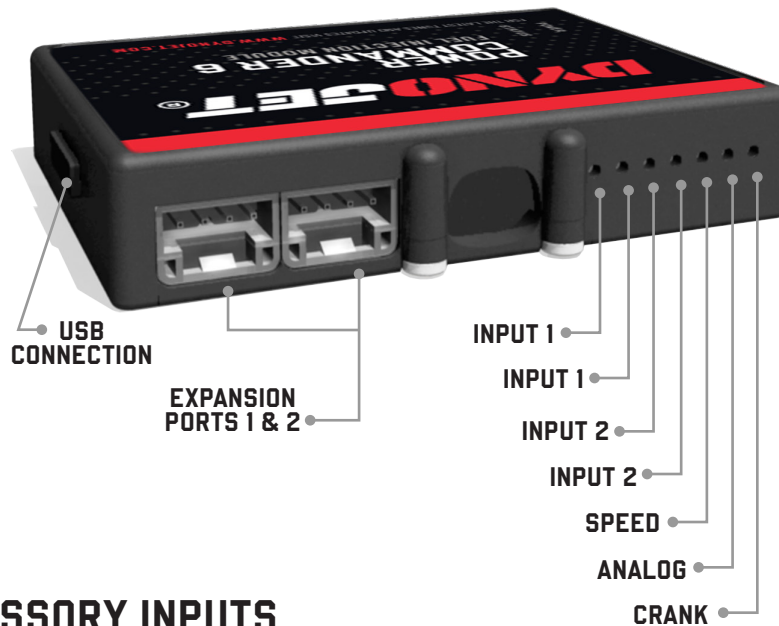
**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION.
THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION.**



IPC6-21020.01



INPUT ACCESSORY GUIDE



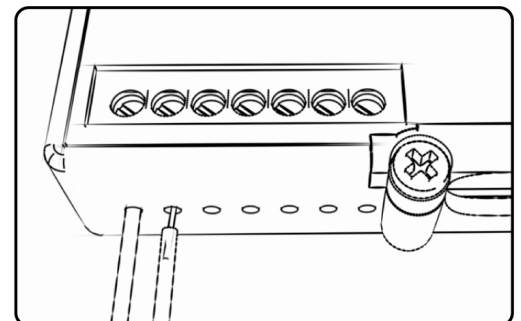
OPTIONAL ACCESSORY INPUTS

- 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 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.

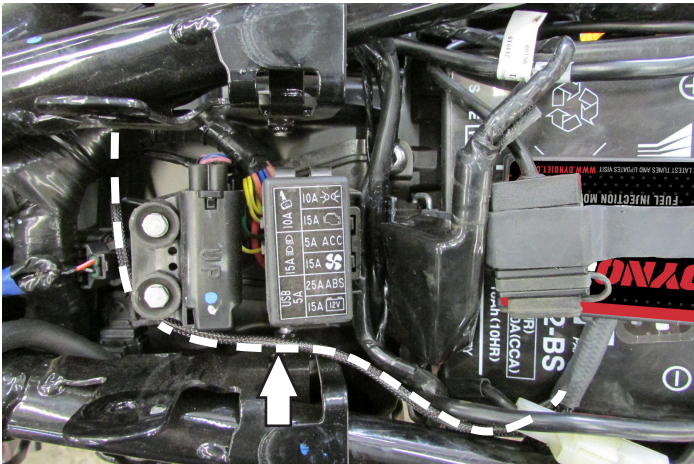
WIRE CONNECTIONS

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.

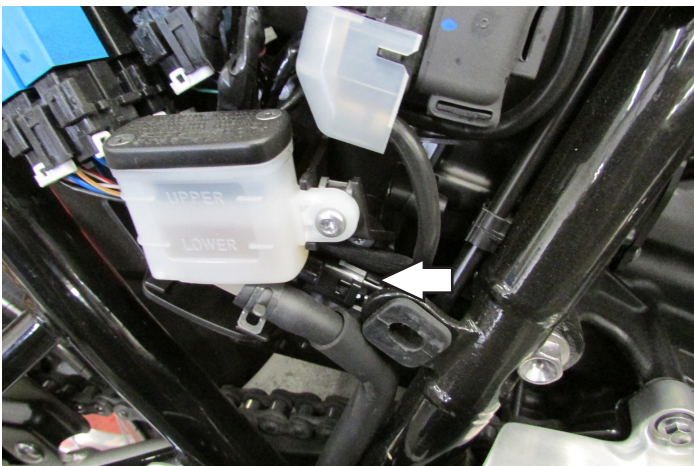
NOTE: If you tin the wires with solder it will make inserting them easier.



INSTALLING THE POWER COMMANDER 6

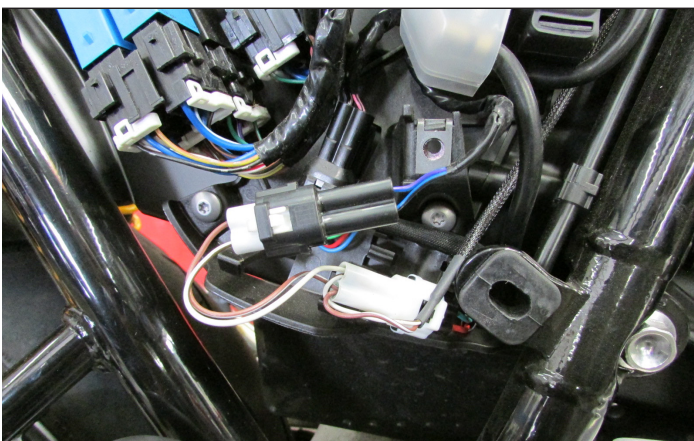


- 1 Remove the seat.
- 2 Remove the fuel tank and both side panels.
- 3 Lay the PC6 on top of the battery temporarily.
- 4 Route the branch of the PC6 harness with the WHITE, 2 pin connectors around the front of the tip over sensor and go towards the right hand side of the motorcycle.



- 5 Locate the stock Crank Position Sensor on the right hand side of the motorcycle and unplug it.

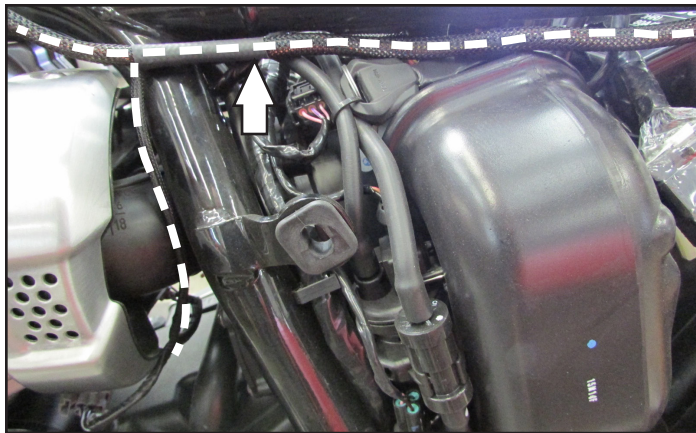
This 2 pin BLACK connector is located behind the rear brake master cylinder reservoir. It is easiest to remove the bolt holding the reservoir in place to access this connector.



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

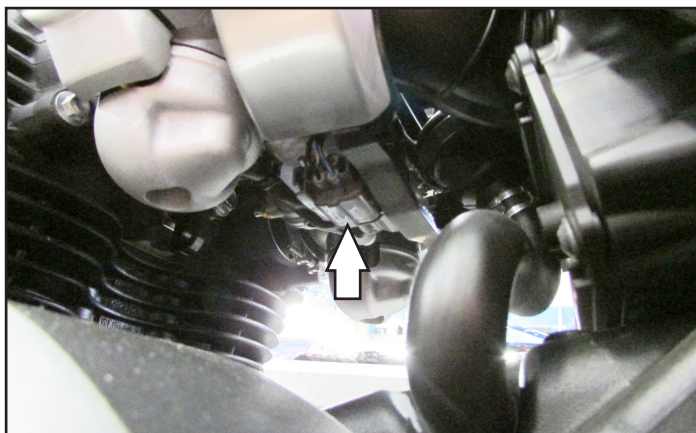
Reinstall the brake reservoir if it was removed.

- 7 Route the remaining branch of the PC6 down the left side of the frame.



- 8 Unplug the stock Throttle Position Sensor connector.

This is a GREY 4 pin connector at the bottom of the throttle bodies. You can squeeze the right end of the connector and slide it to the right to get them off of their bracket.



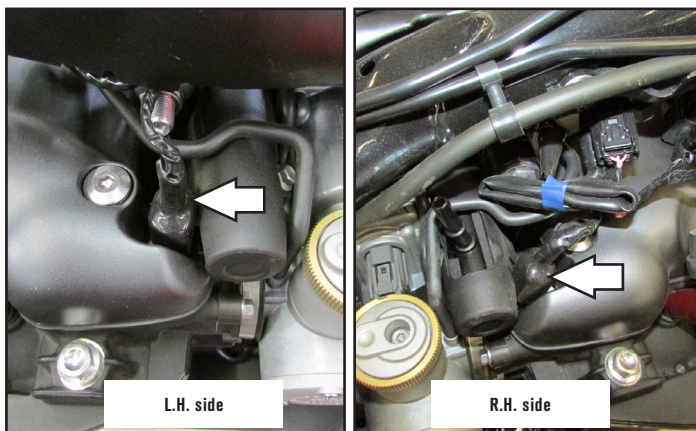
- 9 Plug the PC6 in-line of the TPS and wiring harness.

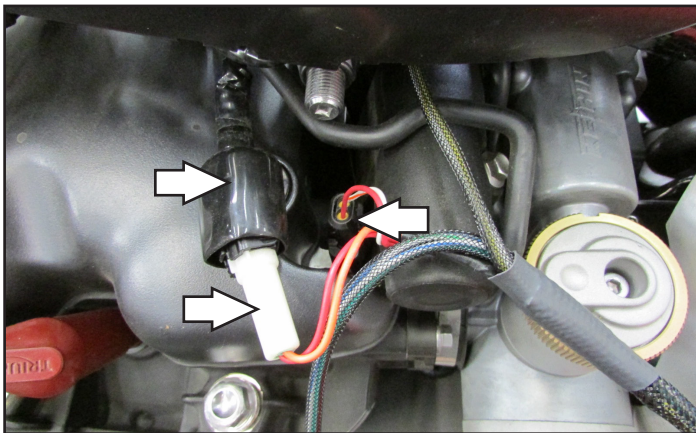
Secure one set of connectors back onto the stock bracket



- 10 Unplug the stock wiring harness from each injector.

These connections are under a rubber boot.

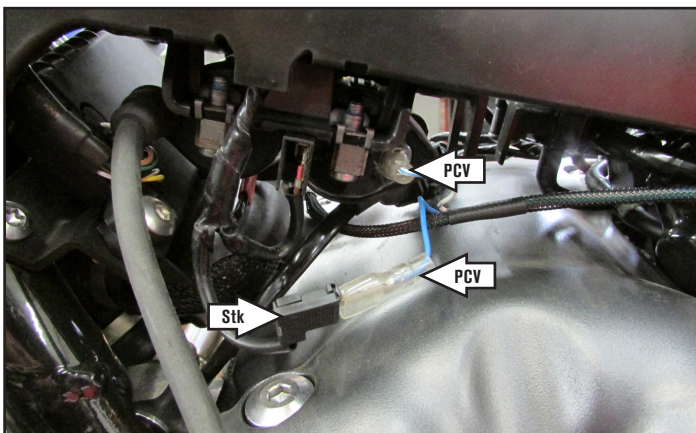




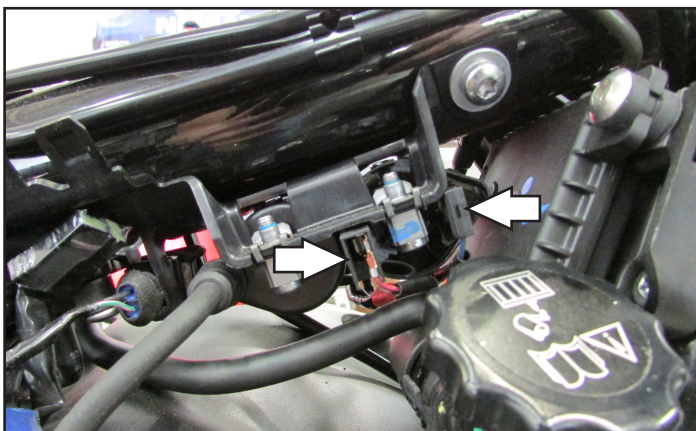
- 11 Plug the PC6 in-line of stock injector and wiring harness.
- The ORANGE colored wires go to cylinder #1 (left).
- The YELLOW colored wires go to cylinder #2 (right).



- 12 Unplug the signal wire of stock wiring harness from the #2 ignition coil.
- This wire is accessed from the left side of the motorcycle. It is the GREEN/PINK wire.



- 13 Plug the BLUE colored wires from the PC6 in-line of the stock wiring harness and ignition coil.

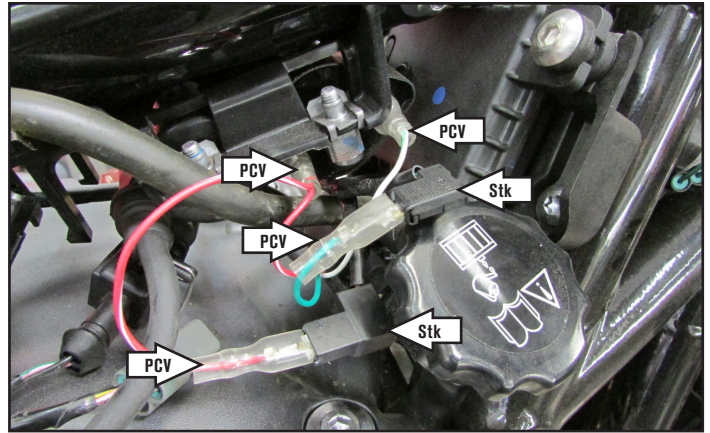


- 14 Unplug the stock wiring harness from the #1 ignition coil.
- These wires are accessed from the right side of the motorcycle.

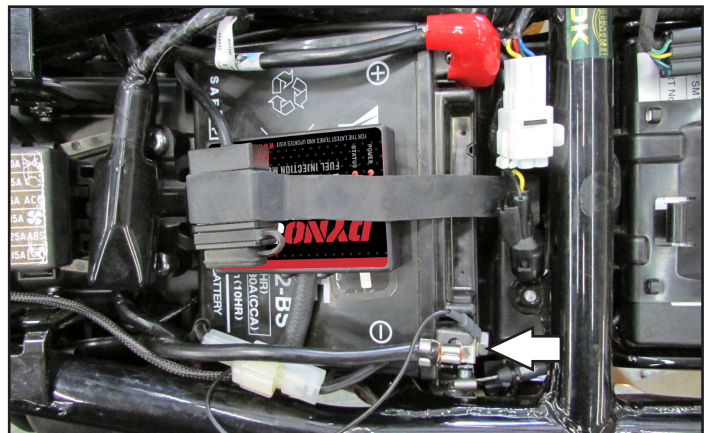
- 15 Plug the PC6 in-line of the stock wiring harness and ignition coil.

The GREEN colored wires go in-line of the stock GREEN/PURPLE.

The RED colored wires go in-line of the stock BROWN/PINK.



- 16 Secure the PC6 on top of the battery using the stock rubber hold down strap.
- 17 Attach the ground wire of the PC6 to the negative (-) side of the battery.
- 18 Reinstall the fuel tank, bodywork, and seats.
- 19 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.



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



PUSH THE LIMIT

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