

POWER COMMANDER 6

Install guide for: PC6-21021

Model coverage:

2016-2020 Triumph Street Twin

2017-2018 Triumph Street Scrambler

PARTS LIST



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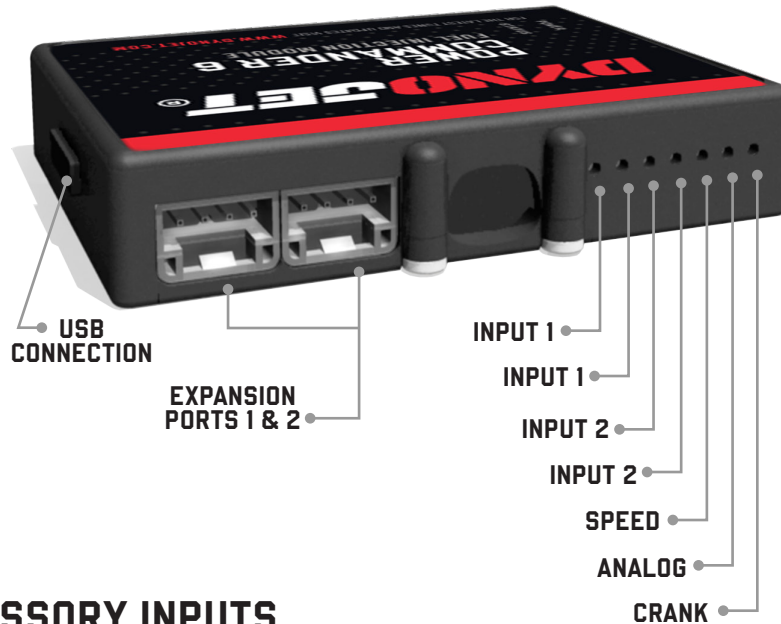
**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION.
THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION.**



IPC6-21021.01

**TRIPLE
DYNOJET**

INPUT ACCESSORY GUIDE



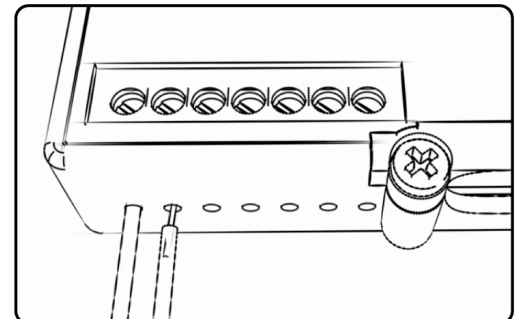
OPTIONAL ACCESSORY INPUTS

- 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.

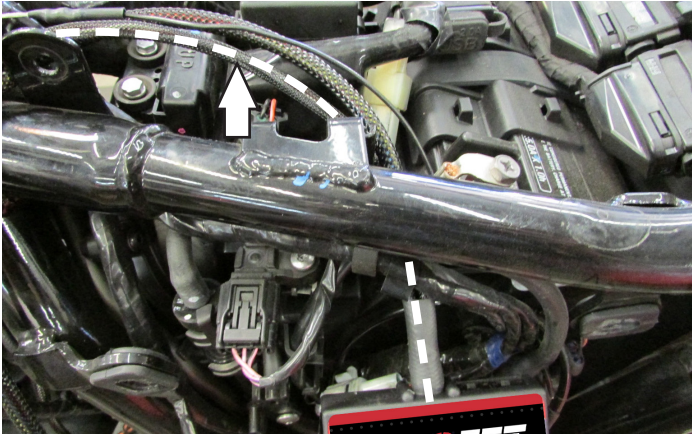
WIRE CONNECTIONS

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.

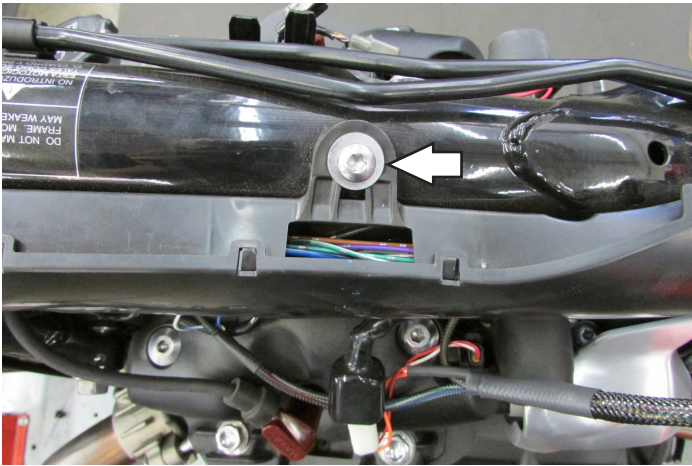
NOTE: If you tin the wires with solder it will make inserting them easier.



INSTALLING THE POWER COMMANDER 6



- 1 Remove the seat.
- 2 Remove the fuel tank and both side panels.
- 3 Route the PC6 harness from the left side of the motorcycle behind the frame.



- 4 Remove the bolt on the main frame spar securing the wiring harness in place.

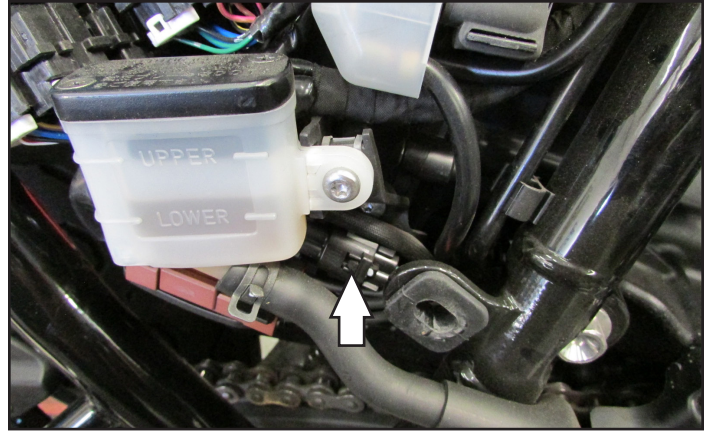
This allows the wiring harness to be moved to route the PC6 properly.



- 5 Route the TPS and crank connectors from the PC6 under the main wiring harness and go towards the RH side of the motorcycle.
- 6 Route the rest of the PC6 harness down the LH side of the frame spar.

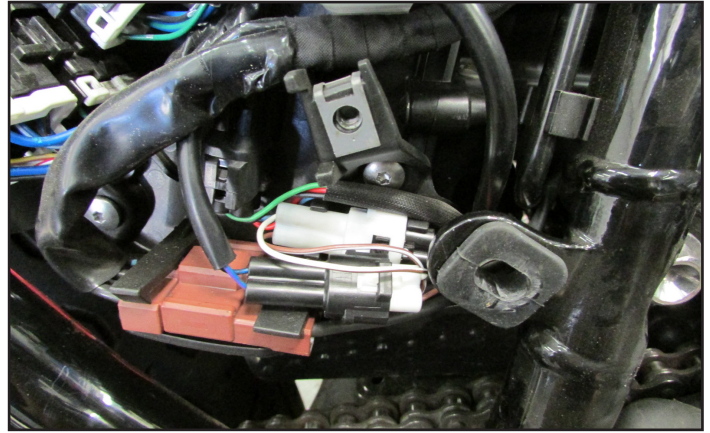
- 7 Locate the stock Crank Position Sensor on the right hand side of the motorcycle and unplug it.

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.



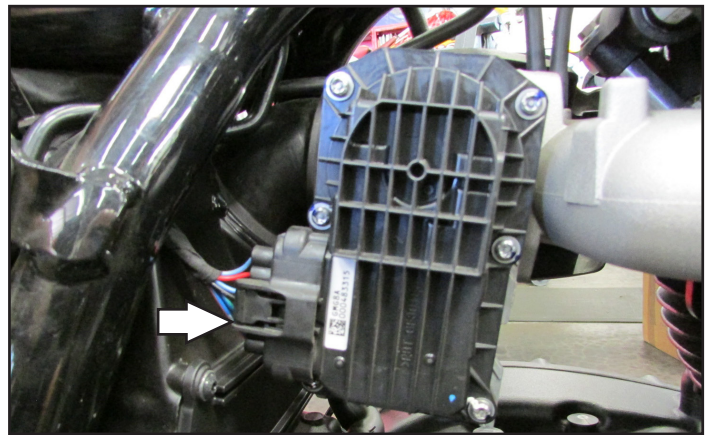
- 8 Plug the WHITE 2 pin connectors from the PC6 in-line of the stock CPS.

Reinstall the brake reservoir if it was removed in step 7.

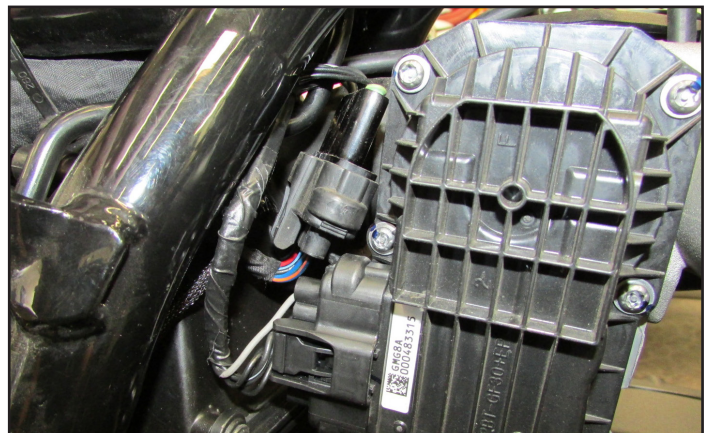


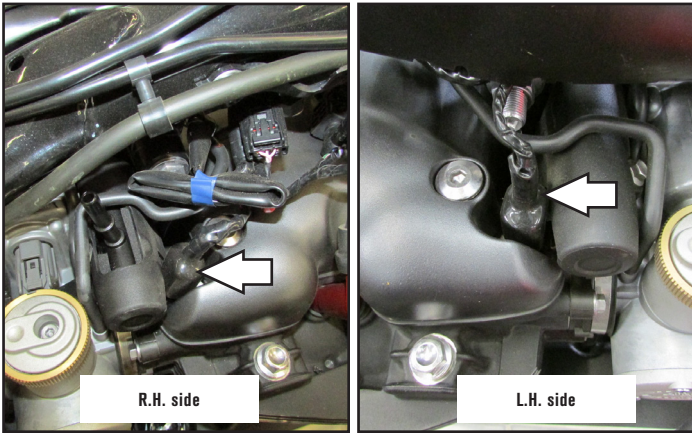
- 9 Locate the Throttle Body Servo on the right hand side of the motorcycle and unplug the stock wiring harness from it.

This image is shown with the cosmetic covers removed but this is not necessary to access this connector.



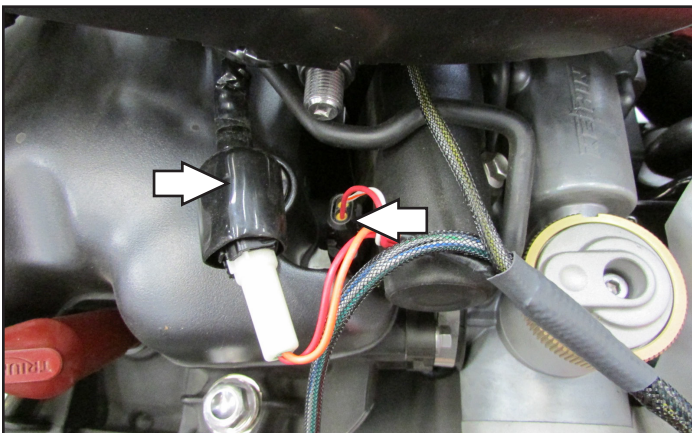
- 10 Plug the PC6 wiring harness in-line of the stock wiring harness and the Throttle Body Servo.





- 11 Unplug the stock wiring harness from both fuel injectors.

These connections are under a rubber boot.



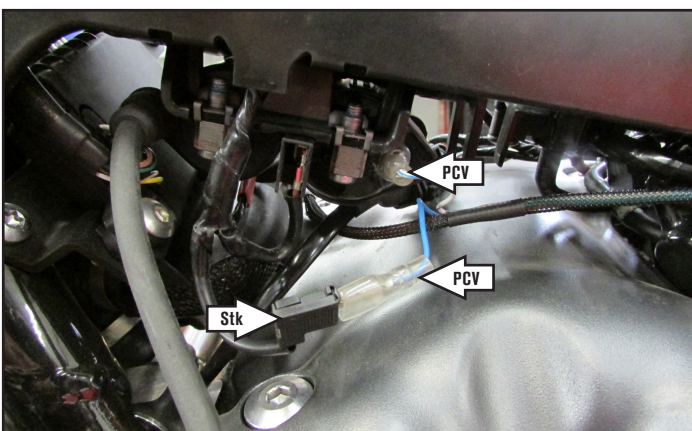
- 12 Plug the PC6 wiring harness in-line of fuel injectors and the stock wiring harness.

The ORANGE colored wires go to cylinder #1 (left).
The YELLOW colored wires go to cylinder #2 (right).



- 13 Unplug the signal wire of stock wiring harness from the #2 ignition coil.

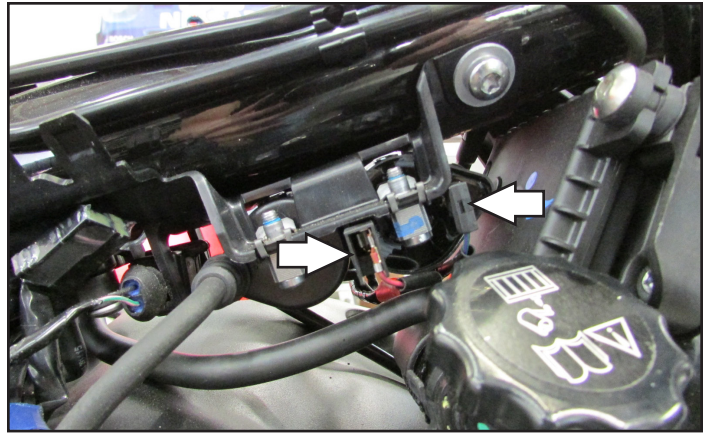
This wire is accessed from the left side of the motorcycle. It is the GREEN/PINK wire.



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

- 15 Unplug the stock wiring harness from the #1 ignition coil.

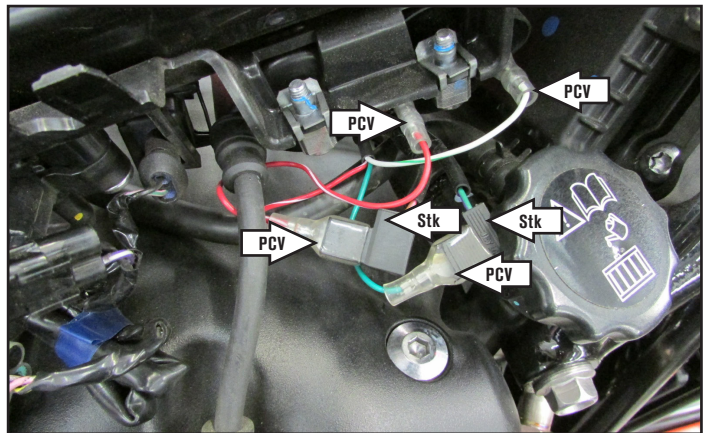
These wires are accessed from the right side of the motorcycle.



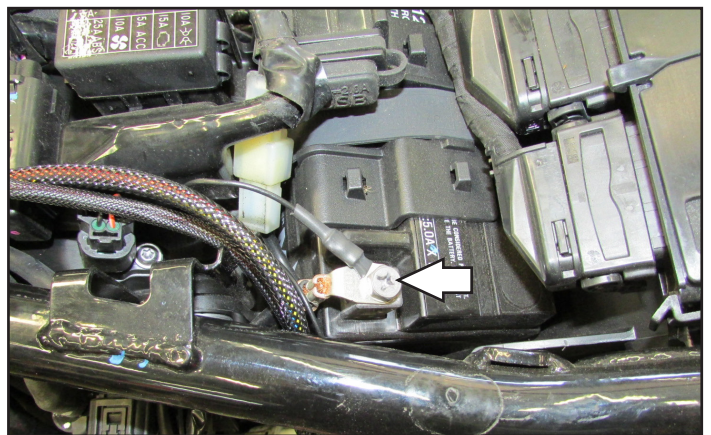
- 16 Plug the PC6 in-line of the stock wiring harness and ignition coil.

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

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



- 17 Attach the ground wire from the PC6 to the negative (-) side of the battery.

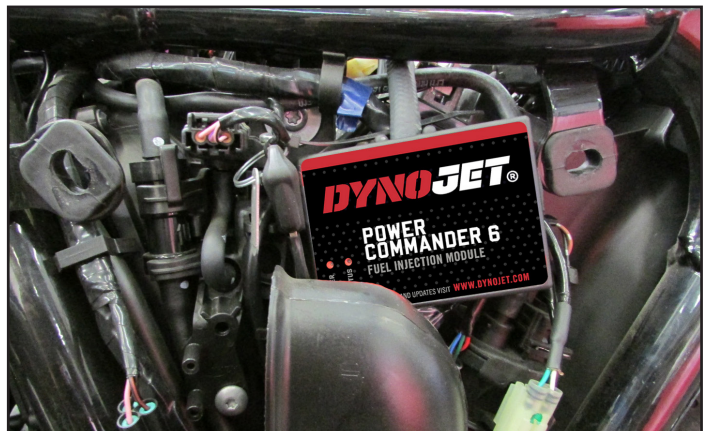


- 18 Install the PC6 underneath the left hand side cover.

- 19 Reinstall the bodywork.

- 20 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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