

POWER COMMANDER 6

Install guide for: PC6-21023

Model coverage:

2016-2020 Triumph T120

2017-2020 Triumph Bobber

2017-2020 Triumph Speedmaster

PARTS LIST



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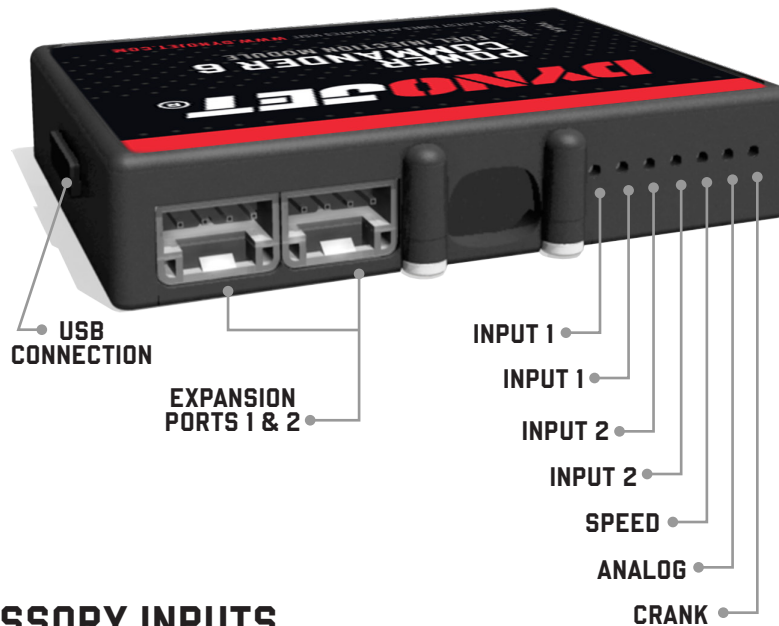
**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION.
THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION.**



IPC6-21023.01



INPUT ACCESSORY GUIDE



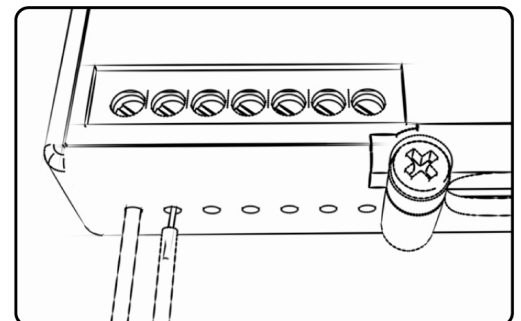
OPTIONAL ACCESSORY INPUTS

- 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.

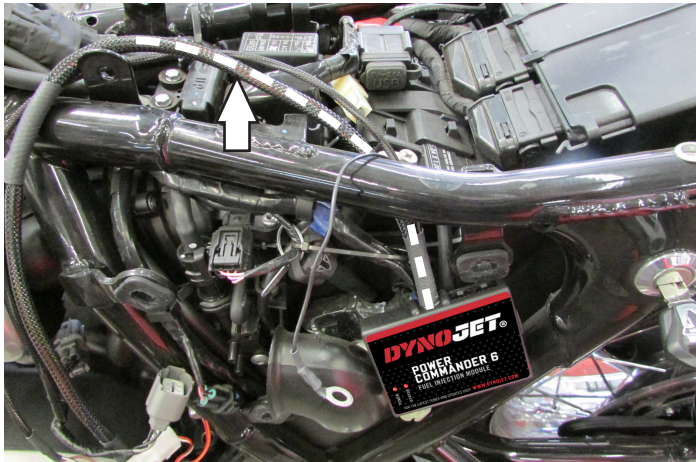
WIRE CONNECTIONS

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.

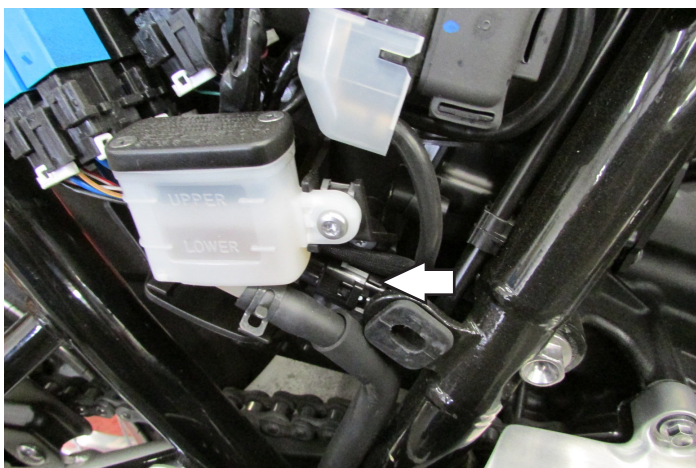


INSTALLING THE POWER COMMANDER 6



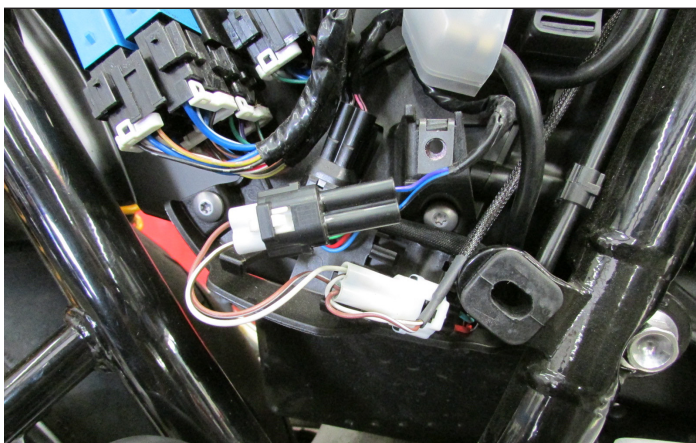
FOLLOW THESE INSTRUCTIONS FOR THE T120 INSTALL. THE SPEEDMASTER/BOBBER INSTALLATION INSTRUCTIONS START ON PAGE 6.

- 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 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.

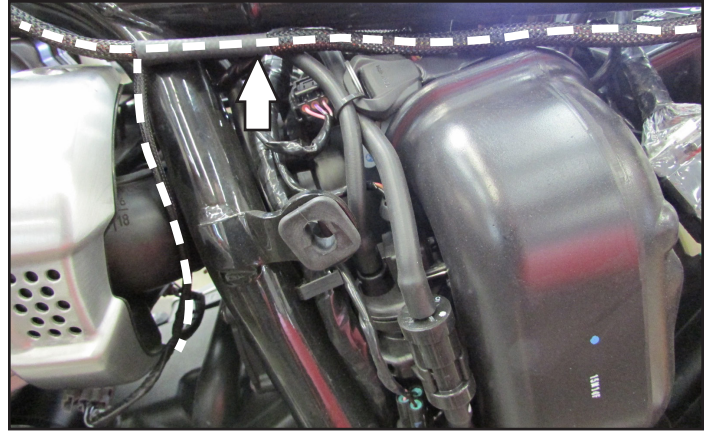
This 2 pin BLACK connector is located behind the rear brake master cylinder reservoir. It is easiest to remove the bolt holding the reservoir in place to access this connector.



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

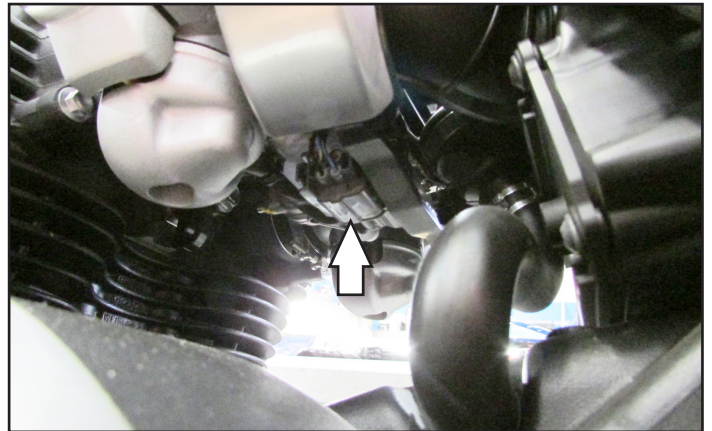
Reinstall the brake reservoir if it was removed.

- 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.



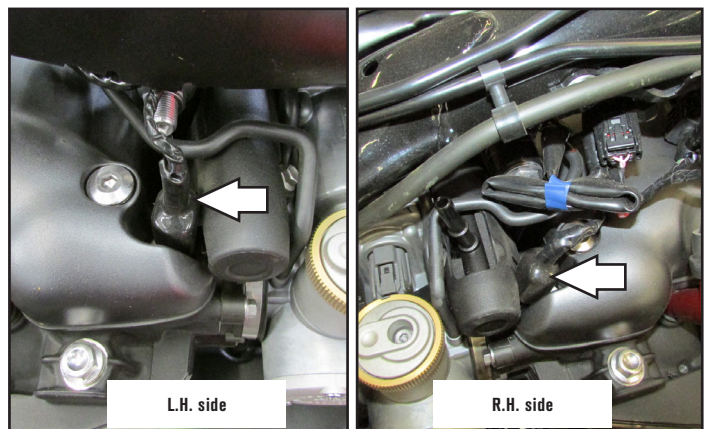
- 9 Plug the PC6 in-line of the TPS and wiring harness.

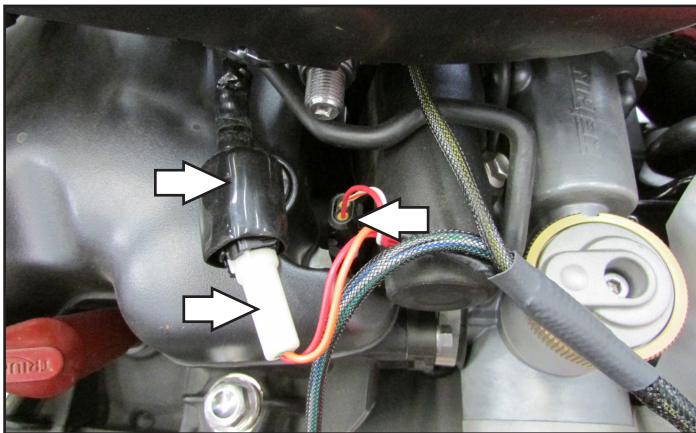
Secure one set of connectors back onto the stock bracket.



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

These connections are under a rubber boot.

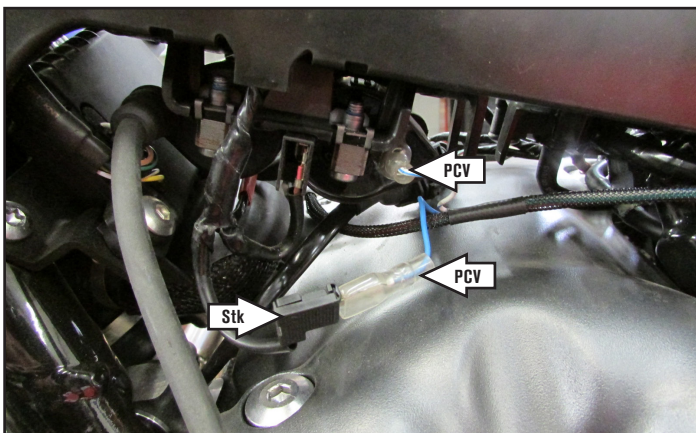




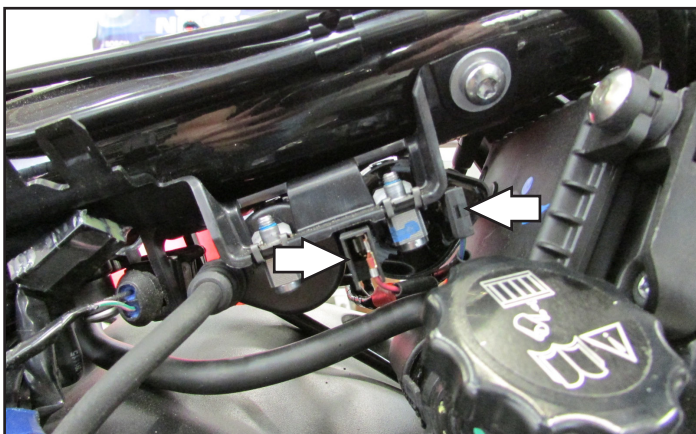
- 11 Plug the PC6 in-line of stock injector and wiring harness.
- The ORANGE colored wires go to cylinder #1 (left).
- The YELLOW colored wires go to cylinder #2 (right).



- 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.

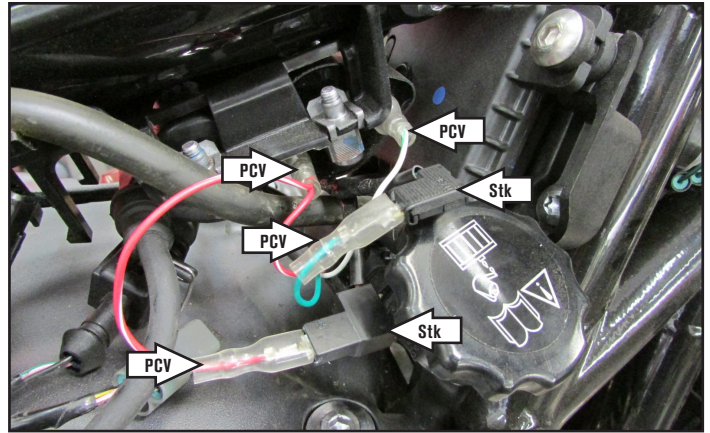


- 14 Unplug the stock wiring harness from the #1 ignition coil.
- These wires are accessed from the right side of the motorcycle.

- 15 Plug the PC6 in-line of the stock wiring harness and #1 ignition coil.

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

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



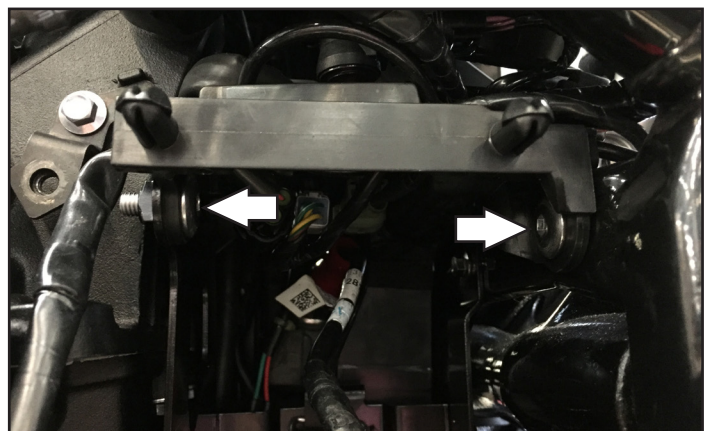
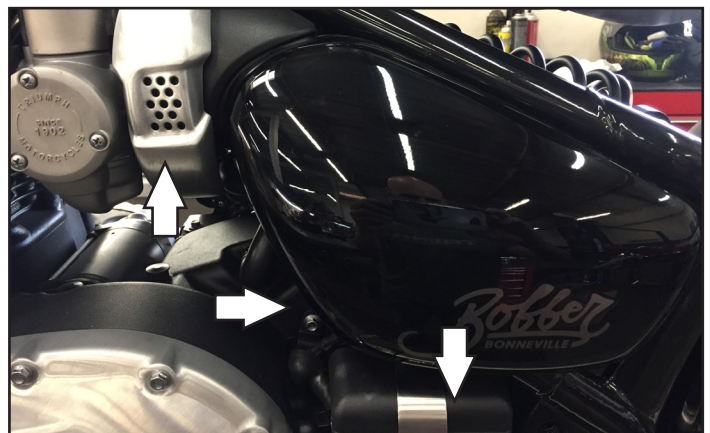
- 16 Install the PC6 underneath the left hand side cover.
- 17 Attach the ground wire of the PC6 to the negative (-) side of the battery.
- 18 Reinstall the bodywork.

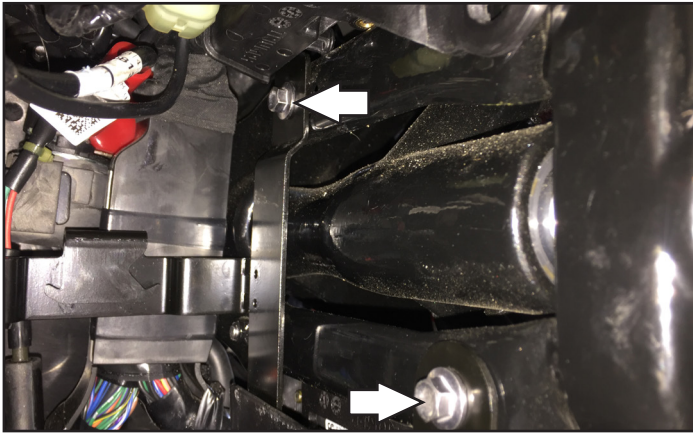
Download the latest map files from our web site at dynojet.com/tunes.



FOLLOW THESE INSTRUCTIONS FOR INSTALLING THE DEVICE ON A SPEEDMASTER/BOBBER MODEL.

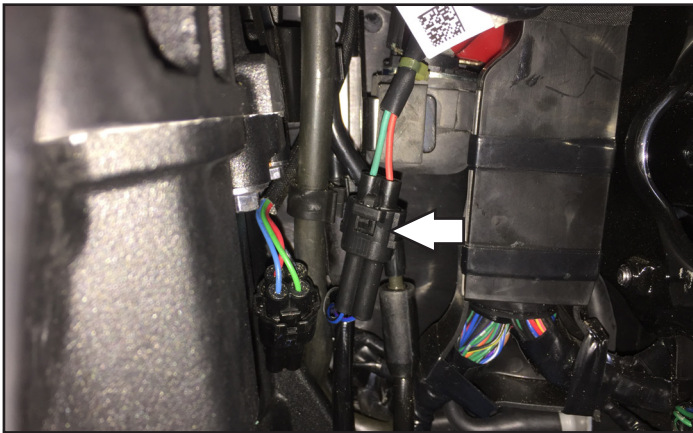
- 1 Remove the fuel tank.
- 2 Remove the left hand side cover, cosmetic cover on air box and battery cover.
- 3 Remove the battery.
- 4 Remove the 2 bolts holding the battery box lid in place.
- Pull the lid forward slightly so that it is loose from the battery box. The PC6 will be installed on top of this lid at a later step.





- 5 Remove the 4 bolts that hold the battery box in place. There are 2 on the rear of the battery box, 1 on the left and 1 straight in.

- 6 Remove the battery box.



- 7 Unplug the stock crank position sensor connector.
This is a BLACK, 2-pin connector behind the battery box.

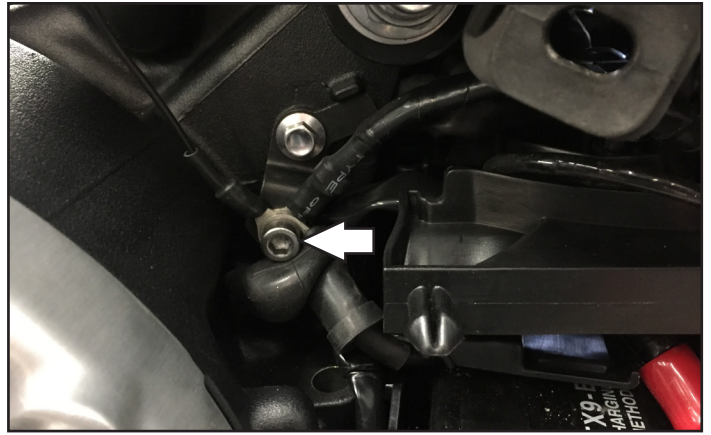


- 8 Plug the PC6 in-line of the stock CPS and wiring harness.
- 9 Reinstall the battery box making sure the PC6 harness is routed outside of the battery box area.



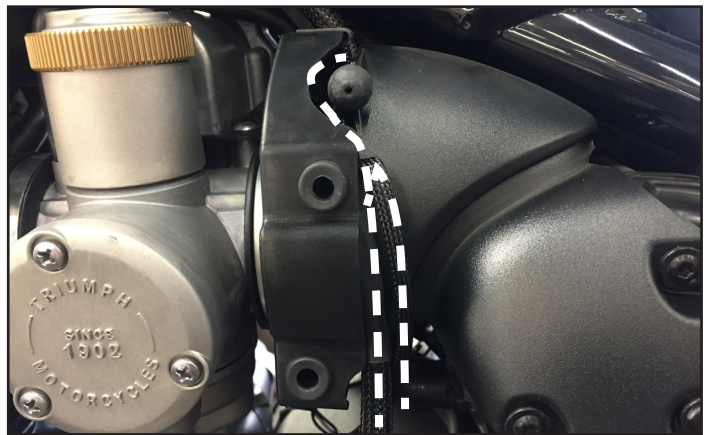
- 10 Install the PC6 above the battery box lid leaving the rest of the harness and connectors on the outside of this area.

- 11 Reinstall battery. Ground the PC6 ring lug to the same location on the frame as the stock ground wire.



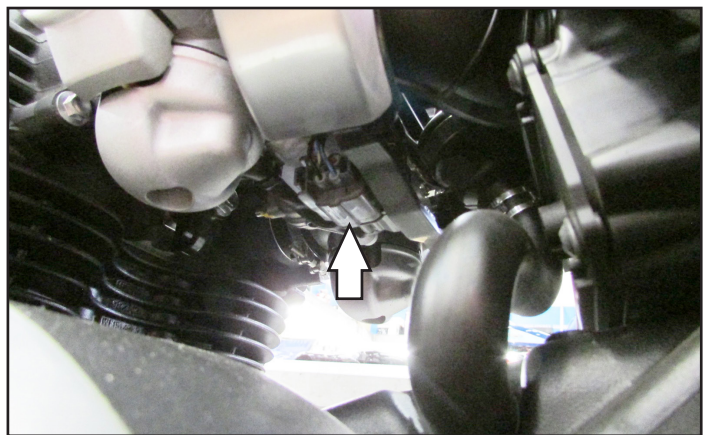
- 12 Route the PC6 harness along the left side of the air box and go up towards the backbone of the frame.

The TPS lead (GREY 4-pin connector), will double back on itself and go underneath the air box.



- 13 Unplug the stock Throttle Position Sensor connector.

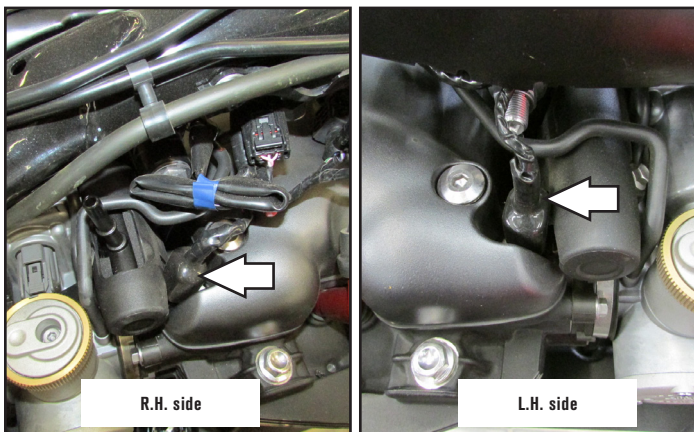
This is a GREY 4-pin connector at the bottom of the throttle bodies. You can squeeze the right end of the connector and slide it to the right to get them off of their bracket.



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

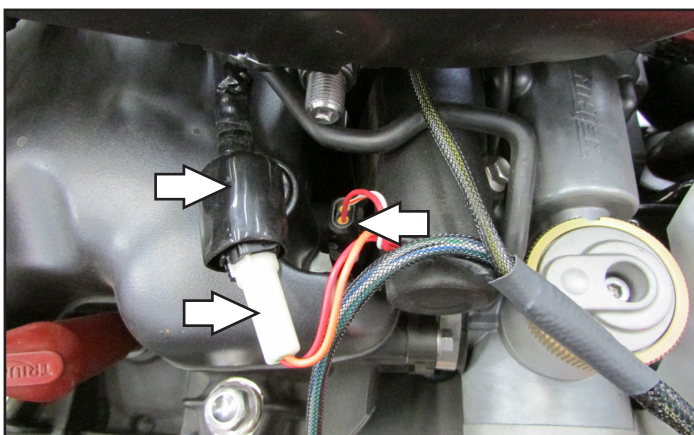
Secure one set of connectors back onto the stock bracket.





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

These connections are under a rubber boot.



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

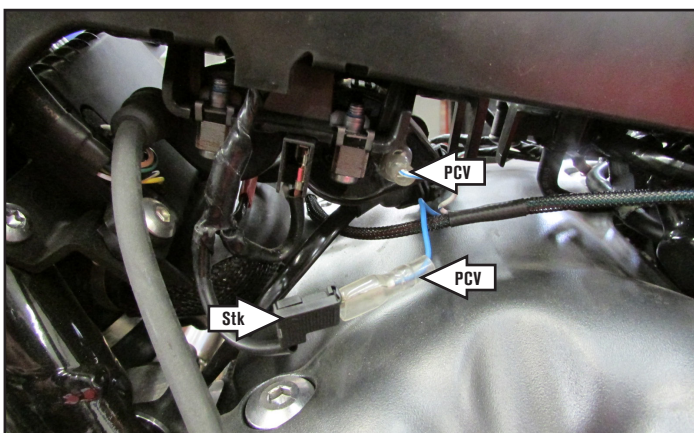
The ORANGE colored wires go to cylinder #1 (left).

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



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

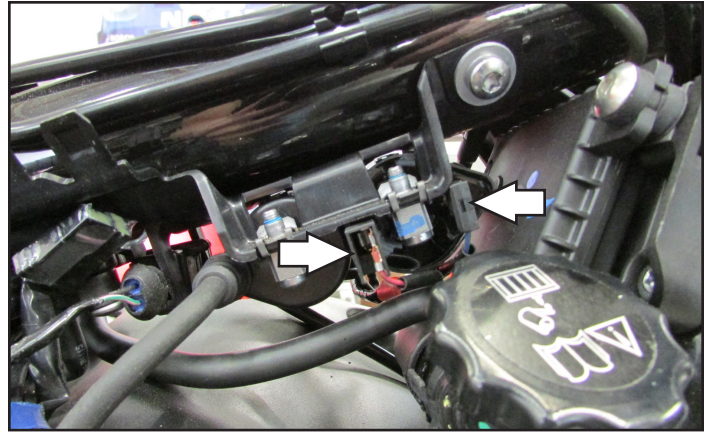
This wire is accessed from the left side of the motorcycle. It is the GREEN/PINK wire.



- 18 Plug the BLUE colored wires from the PC6 in-line of the stock wiring harness and #2 ignition coil.

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

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

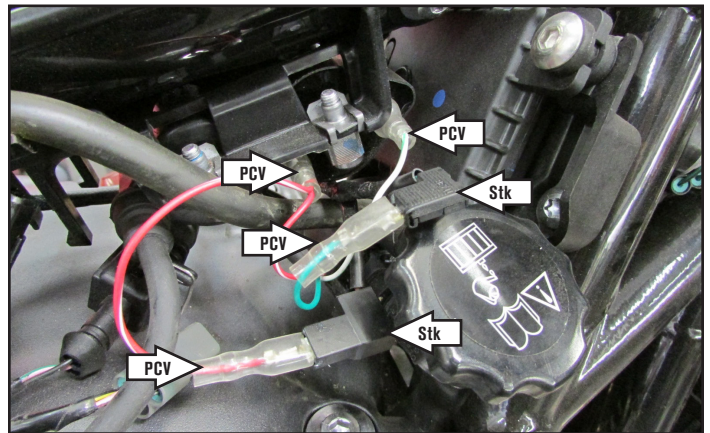


- 20 Plug the PC6 in-line of the stock wiring harness and #1 ignition coil.

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

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

- 21 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.



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PUSH THE LIMIT

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