

POWER COMMANDER 6

Install guide for PC6-22102

Model coverage:

2023+ Yamaha YZ450F

PARTS LIST



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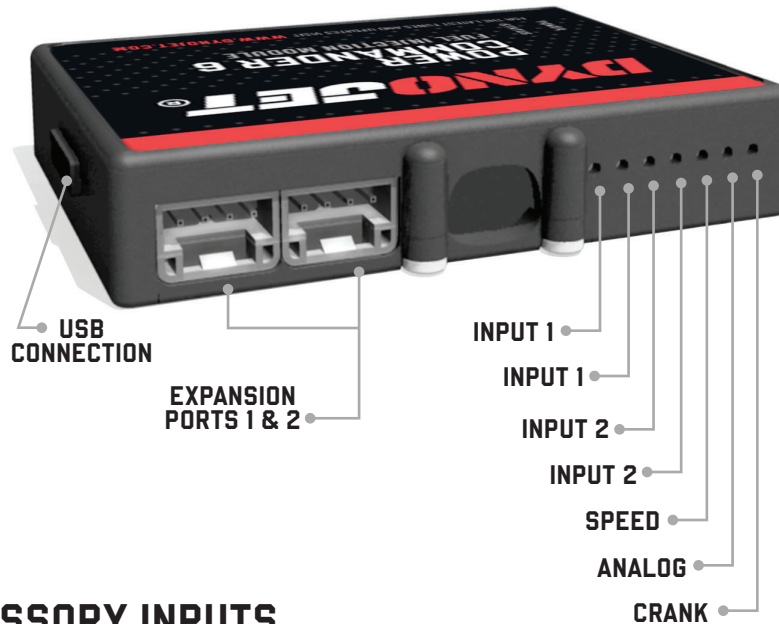
**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION.
THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION.**



IPC6-22102.01



INPUT ACCESSORY GUIDE



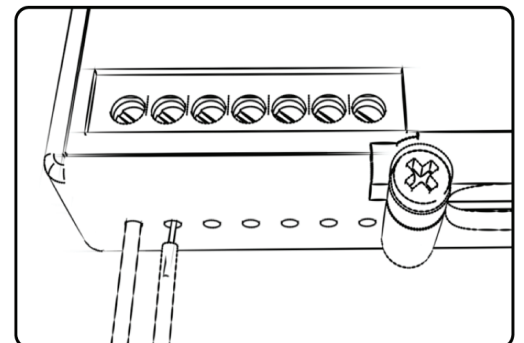
OPTIONAL ACCESSORY INPUTS

- 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 quick shifter.
- 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.



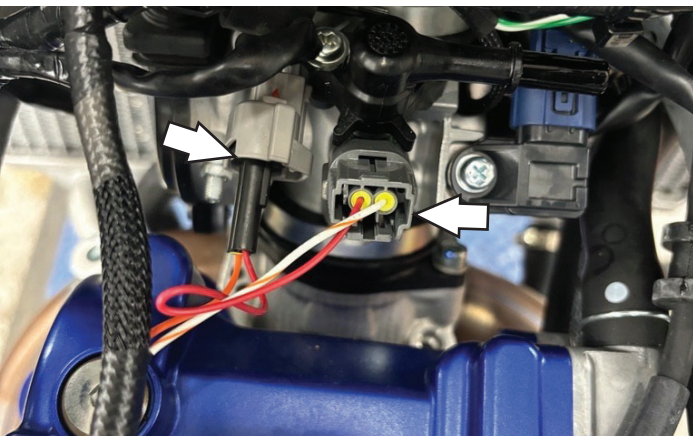
INSTALLING THE POWER COMMANDER 6



- 1 Remove the seat.
- 2 Remove the ground from the battery.



- 3 Remove the side panels, shrouds, and fuel tank.
- 4 Place the PC6 near the battery.
- 5 Removing the intake/airbox boot aids in installation, but is not required.



- 6 Route the cable forward to the injector.
- 7 Plug the PC6 between the injector and stock wiring harness.

- 8 Disconnect the inboard female spade connector from the coil.
- 9 Connect the female spade of the PC6 harness to the inboard coil prong.
- 10 Connect the male spade of the PC6 harness to the stock coil spade connector.



- 11 Locate the TPS connector below the coil pack.
- 12 Connect the TPS connector from the PC6 harness in between the stock connector and TPS.



- 13 Route the final leg of the PC6 harness forward from the injector to the left radiator.
- 14 Locate and disconnect the 2-pin crank connector inboard of the radiator.
- 15 Connect the PC6 harness in between the stock connectors.
- 16 Zip tie any connections away from hot or moving parts.



- 17 Lay the fuel tank back in the frame. Verify you re-connect the fuel line.



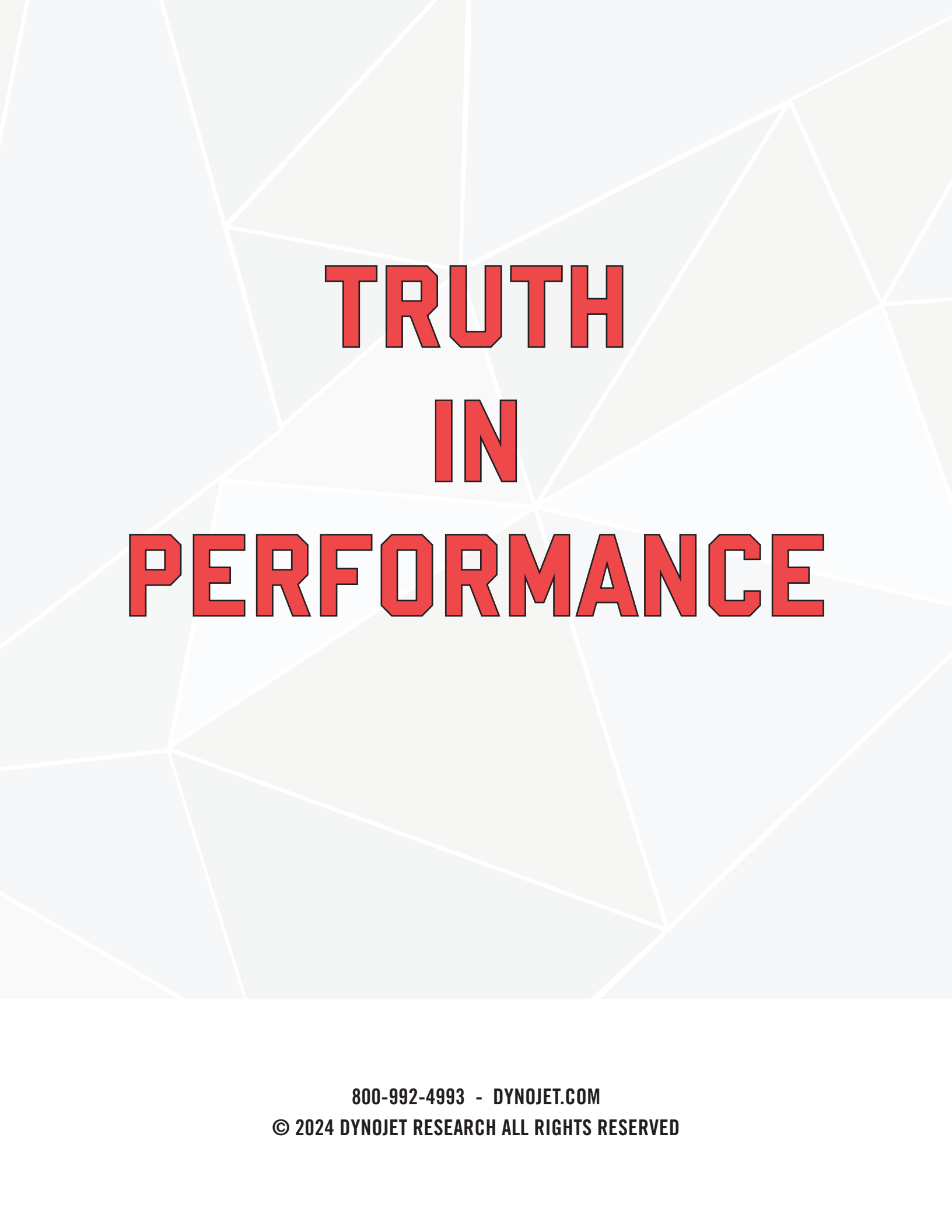


- 18 Connect the PC6 power connector in between the fuel pump connector and fuel pump.
- 19 Using the supplied Velcro, secure the PC6 to the rear of the fuel tank.

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

- 20 Reconnect the ground lug to the battery.
- 21 If removed, reinstall the airbox boot/intake.
- 22 Reinstall the body work and the seat.

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



TRUTH IN PERFORMANCE

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