

# [POWER] [COMMANDER III]

CERTIFIED **USB**

## 2006-2007 Yamaha YZF 600 R6 Installation Instructions

### Parts List

- 1 Power Commander
- 1 USB Cable
- 1 CD-ROM
- 1 Installation Guide
- 1 Power Adapter
- 2 Power Commander Decals
- 2 Dynojet Decals
- 2 Velcro® Strip
- 1 Alcohol Swab

Button Adjustment Display



Faceplate Buttons

Expansion Port

USB Port



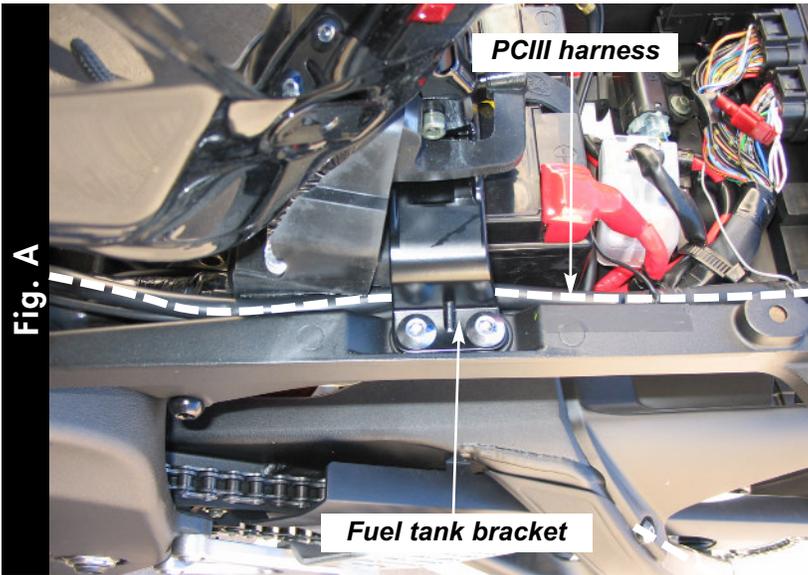
**The ignition MUST be turned OFF before installation!**

You can also download the Power Commander software and latest maps from our web site at:

[www.powercommander.com](http://www.powercommander.com)

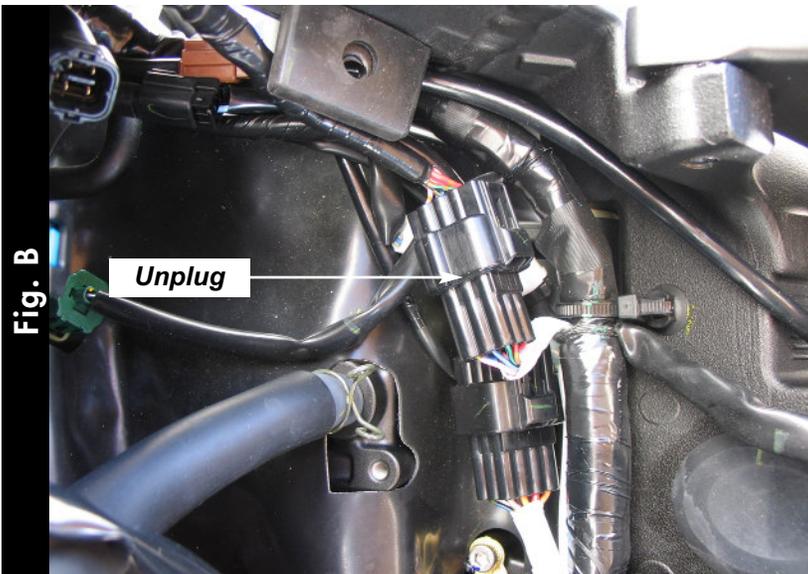
**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION**

Fig. A



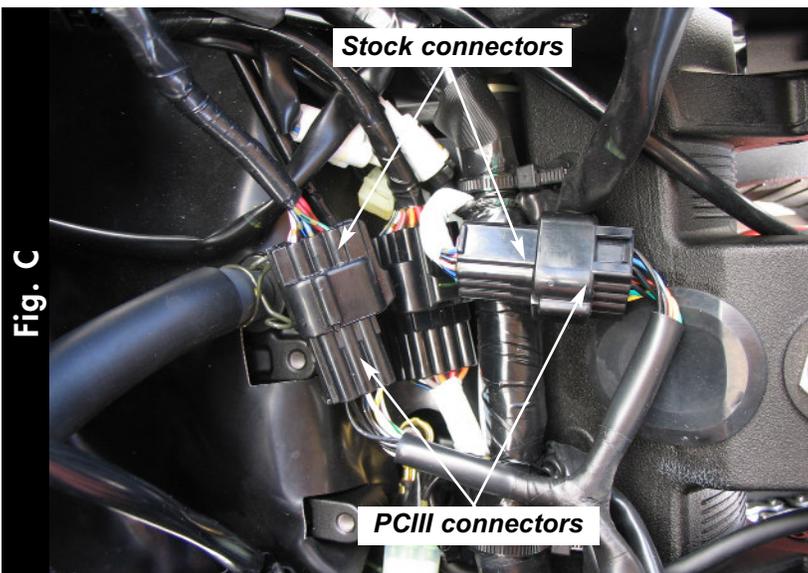
- 1 Remove the main seat.
- 2 Lift the front of the fuel tank up and use something to keep it propped up.
- 3 Route the PCIII harness down the left hand side of the bike. Route the PCIII harness underneath the fuel tank bracket (Fig. A). The bolts that hold the fuel tank bracket on will need to be loosened to allow room for the PCIII harness to fit underneath. Tighten these bolts after the installation is complete.

Fig. B

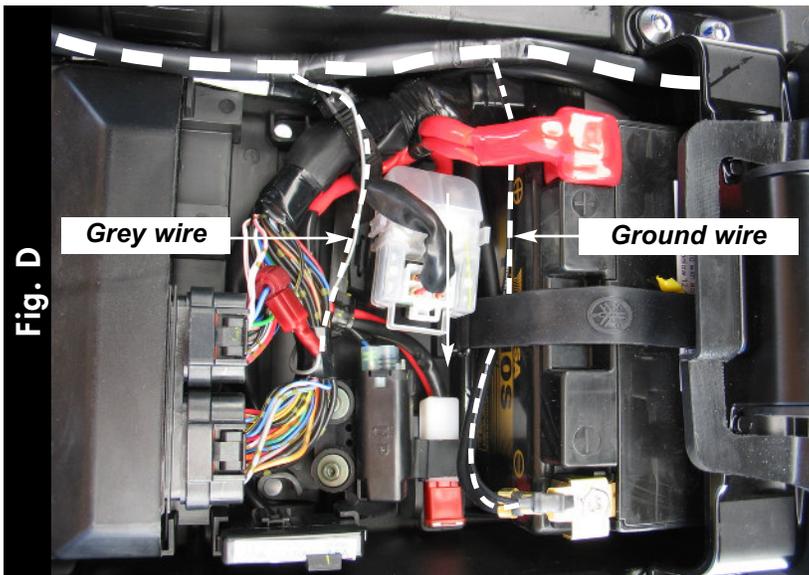


- 4 Unplug the connector from the throttle bodies to the main wiring harness (Fig. B). This is the 9 pin BLACK connector.

Fig. C



- 5 Plug the PCIII connectors in-line of the stock connector (Fig. C). Make sure these connectors are positioned as to not interfere with the fuel line when the fuel tank is installed back into position.

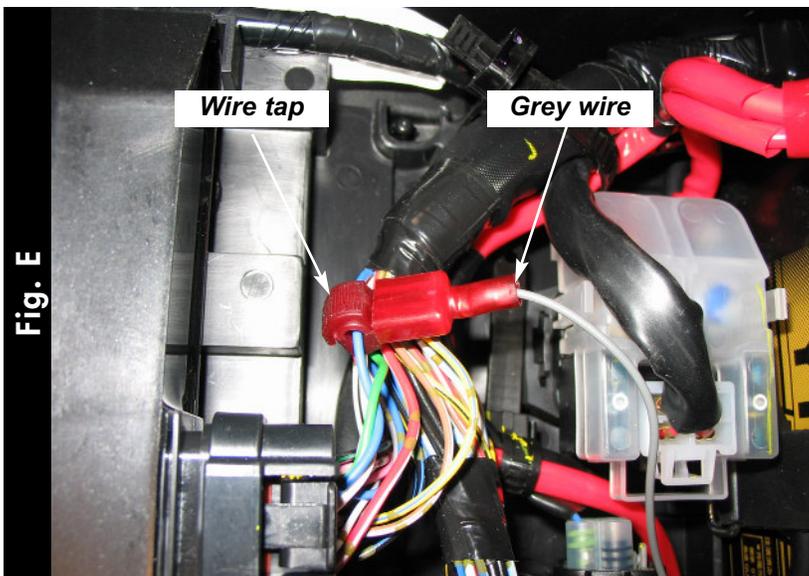


- 6 Attach the ground wire from the PCIII to the negative side of the battery (Fig. D).
- 7 Crimp the supplied wire tap to the BLUE wire of the ECU (fig. E). This wire is from the smaller of the two ECU connectors.
- 8 Connect the GREY wire from the PCIII to the wire tap (Fig. E).

*Note: It is recommended to use dielectric grease on both of these connections.*

- 9 Install the PCIII to the top of the ECU using the supplied velcro (Fig. F). Make sure to use the alcohol swab to clean both surfaces before attaching velcro.

*Note: The PCIII wiring harness is intentionally long to allow installation in the tail section for racing applications.*



### **Tuning Notes:**

This bike uses a fly-by wire system, so conventional tuning can not be performed for all RPM and throttle ranges.

The GREY wire from the PCIII is attached to the throttle blade angle sensor of the throttle bodies which is NOT directly correlated to the throttle grip position. Because of this when setting the throttle position in the PCIII software we recommend on resetting only the closed position after the bike has completely warmed up. Use the arrow key (<) next to CLOSED to perform this step and then click OK. Do not try to set the OPEN position unless you are on a dyno and above 9000rpm.

You will notice that in the maps there are not detailed values below 9000rpm at 100% throttle and below 7500rpm at 60-80%. This is because the throttle blades will not open more than 60% below this RPM range no matter how much throttle input is given. Therefore this area can not be tuned.

