



## 2007-10 Yamaha Grizzly 700

### Installation Instructions



**JUICEBOX** PRO<sup>®</sup>  
Premium Fuel Controller

### PARTS LIST

- |   |                    |
|---|--------------------|
| 1 | Juice Box Pro™     |
| 1 | USB Cable          |
| 1 | Top Tune CD-ROM    |
| 1 | Installation Guide |
| 2 | Velcro             |
| 1 | Alcohol swab       |

**FOR RACE USE ONLY**

DOWNLOAD THE TOPTUNE SOFTWARE  
AND LATEST MAPS FROM OUR  
WEBSITE:

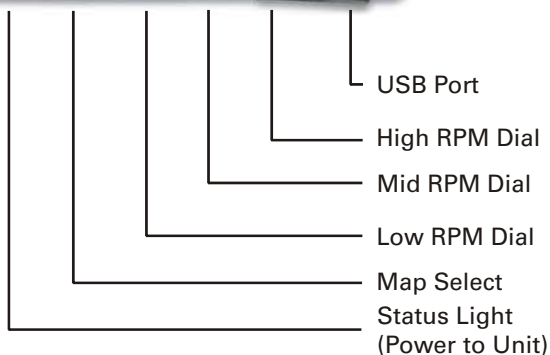
[www.twobros.com](http://www.twobros.com)

**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION**

401 S. Grand Ave. Santa Ana, CA 92705  
(800) 211-2767 [www.twobros.com](http://www.twobros.com)

# JUICEBOX PRO<sup>®</sup>

Premium Fuel Controller



## Selecting the Map Position

The Juice Box Pro comes loaded with up to ten maps. Using a #1 Phillips screwdriver, turn the map select dial to toggle between the loaded maps. Refer to the map position table below for the maps included in your Juice Box Pro.

## Using the RPM Range Dials

The Low, Mid, and High RPM Dials refer to the RPM range, in thirds, of your vehicle. Each dial allows +/- 10% fuel adjustment on top of what fuel changes are done in the map. With the dial facing straight up, there is no additional fuel change. For example, if your vehicle revs to 15,000 RPM:

- the low RPM dial will adjust 0-5000 RPM
- the mid RPM dial will adjust 5001-10000 RPM
- the high RPM dial will adjust 10001-15000 RPM

## Using Top Tune

Take your tuning to the next level with the Top Tune software.

## Installing the Top Tune Software

- 1 Insert the CD provided into your computer's cd-rom drive. The launch program will run automatically.  
If auto-run is disabled, double-click the My Computer icon then double-click the CD drive icon. Double-click TBR Top Tune.exe to manually start the CD.
- 2 Click Install Software and follow the on-screen instructions to install the Top Tune software. The Top Tune software and maps will be stored in C:\Program Files\TBR Top Tune.
- 3 Click Map Database. All maps will automatically be installed to the C:\Program Files\TBR Top Tune\maps folder.

## Loading Additional Maps

- 1 Connect the USB cable from the computer to the Juice Box Pro. Verify the cable is fully seated in the Juice Box Pro.
- 2 Run the Top Tune software by double-clicking the program icon installed on your desktop or on your start menu.
- 3 Click Open Map File and select a map file.
- 4 Click Send Map. You can send the map to any of the ten map positions.

## Altering Maps Using Top Tune

The values in the map represent a percentage of fuel change over stock. A value of 10 in the map indicates at that throttle position and RPM range the vehicle will be 10% richer than stock. If the value is -10, then it would be 10% leaner than stock. You have the ability to fine tune your fuel curve by altering these values. The Top Tune software allows a value of +250 to -100 in each cell.

|            |   |                             |
|------------|---|-----------------------------|
| Position 0 | Zero map  |                             |
| Position 1 | Stock exhaust<br>Stock air filter                       | 2009 Yamaha<br>Grizzly 700  |
| Position 2 | Two Brothers Slip-on<br>Stock or aftermarket air filter | 2007-2010<br>Yamaha Grizzly |

## **WARNING**

**The ignition must be turned OFF before installation.**

- 1 Remove the seat.
- 2 Remove the front cover as shown in Figure A.

- 3 Remove the right hand side cover as shown in Figure B. Remove the same cover on the left side.

- 4 Remove the intake tube for the CVT clutch on the right hand side of the quad as shown in Figure C.  
This allows access to the throttle position sensor (TPS).

Figure A



Figure B



Figure C

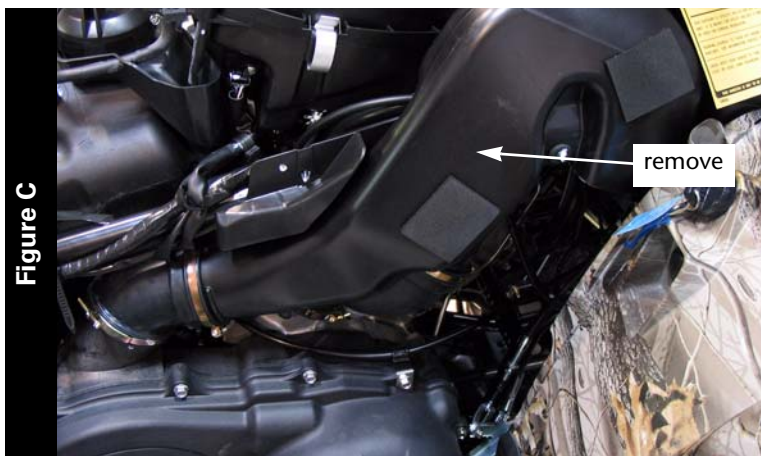
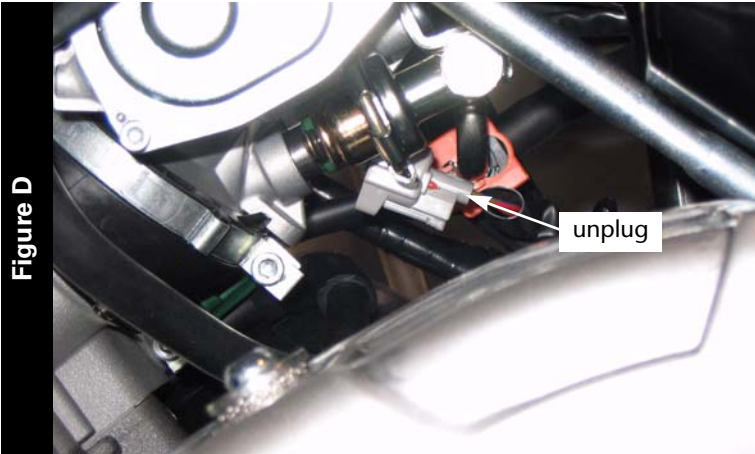
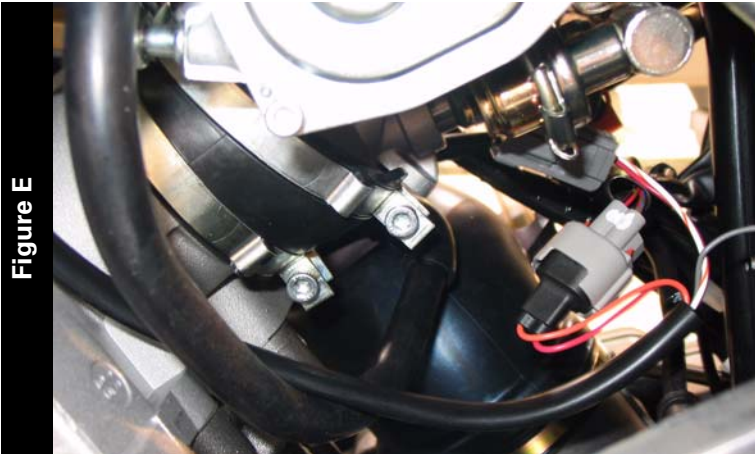


Figure D



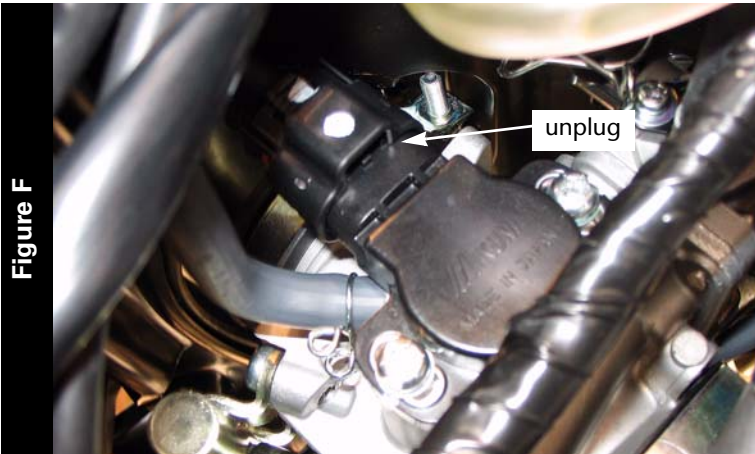
- 5 Unplug the stock wiring harness from the injector as shown in Figure D. Figure D was taken from the left hand side of the quad.

Figure E



- 6 Temporarily place the Juice Box Pro in the battery area.
- 7 Route the Juice Box Pro harness down the left hand side of the quad towards the throttle body.
- 8 Attach the Juice Box Pro wiring harness to the injector and the stock wiring harness as shown in Figure E.

Figure F



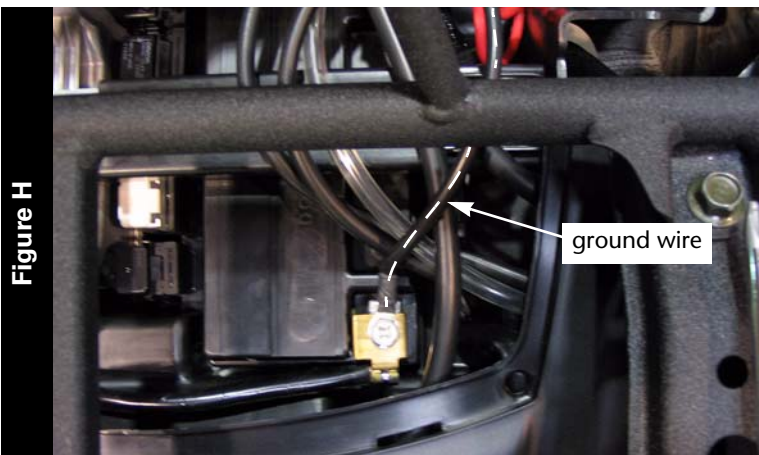
- 9 Locate the TPS on the right hand side of the throttle body.
- 10 Unplug the stock wiring harness from the TPS as shown in Figure F.

Figure G



- 11 Attach the wiring harness from the Juice Box Pro to the stock wiring harness and the TPS as shown in Figure G.

Figure H



- 12 Attach the ground wire from the Juice Box Pro to negative side of the battery as shown in Figure H.

Figure I



- 13 Using the supplied velcro, secure the Juice Box Pro to the battery as shown in Figure I.

Make sure to clean both surfaces with the alcohol swab before attaching.

- 14 Reinstall the intake tube.
- 15 Reinstall the right and left hand side covers.
- 16 Reinstall the front cover.
- 17 Reinstall the seat.