



## 2012 Kawasaki ZX-14R

### Installation Instructions



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

### PARTS LIST

- 1 Juice Box Pro™
- 1 USB Cable
- 1 TopTune CD-ROM
- 1 Installation Guide
- 2 Velcro strip
- 1 Alcohol swab
- 3 Zip-ties

**THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION!**

DOWNLOAD THE TOPTUNE SOFTWARE AND LATEST MAPS FROM OUR WEBSITE:

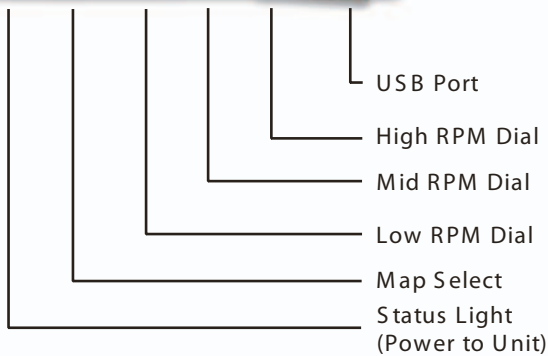
[www.twobros.com](http://www.twobros.com)

**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<sup>PRO</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 TopTune

Take your tuning to the next level with the TopTune software.

## Installing the TopTune 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 TopTune.exe to manually start the CD.
- 2 Click Install Software and follow the on-screen instructions to install the Top Tune software. The TopTune software and maps will be stored in C:\Program Files\TBR TopTune.
- 3 Click Map Database. All maps will automatically be installed to the C:\Program Files\TBR TopTune\maps folder.

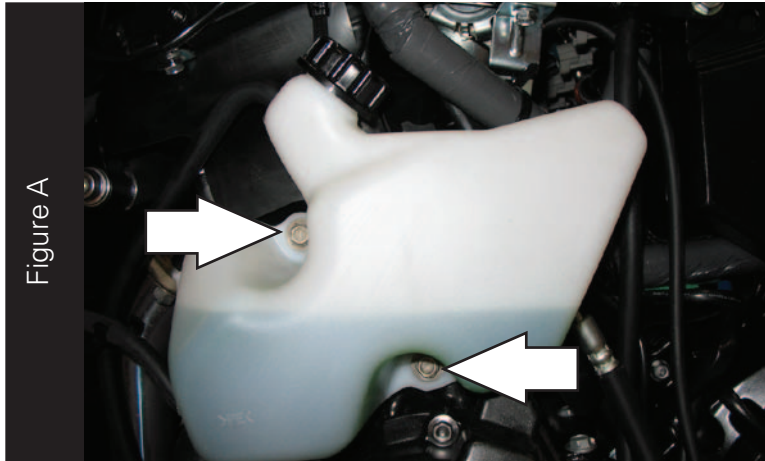
## Loading Additional Maps

- 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 TopTune 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.

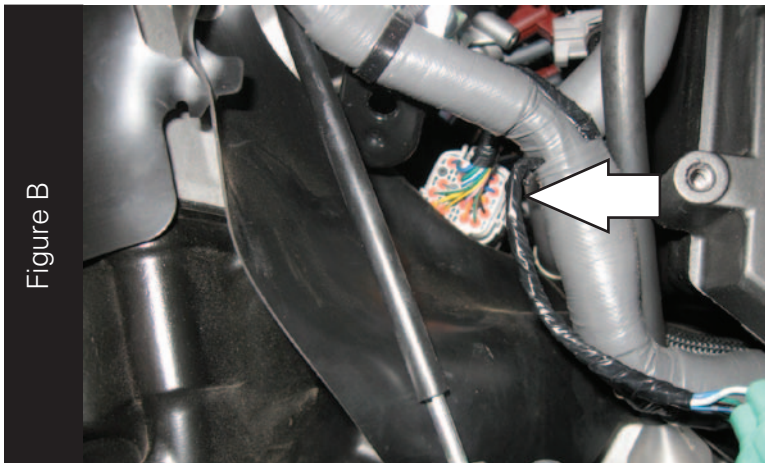
## Altering Maps Using TopTune

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 TopTune software allows a value of +250 to -100 in each cell.

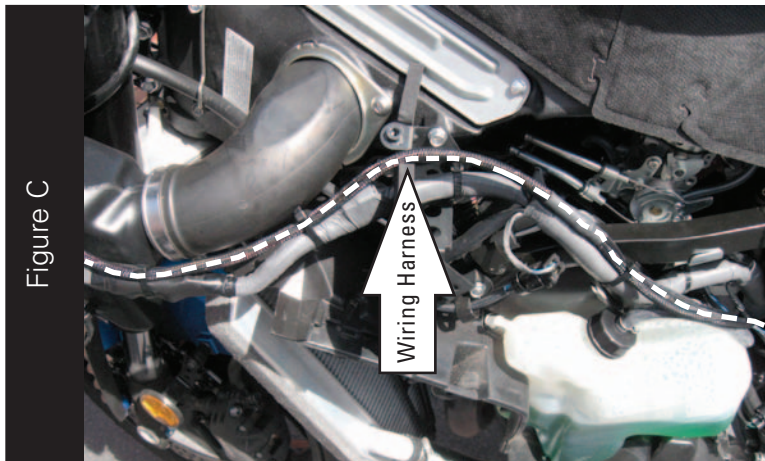
Position 0	Zero map	
Position 1	Stock exhaust Stock air filter	2012 Kawasaki ZX14
Position 2	Two Brothers slip-ons Stock or aftermarket air filter	2012 Kawasaki ZX14



- 1 Remove the left and right side fairings, both inner fairings, the upper fuel tank cover, and ram air duct covers on both sides.
- 2 Remove the bolts that hold the coolant reserve bottle to the engine (Fig. A).  
*Let the bottle hang out of the way temporarily.*



- 3 Disconnect the stock wiring harness from the throttle body harness (Fig. B).  
*These connectors are GREY in color and are located under the throttle bodies.*



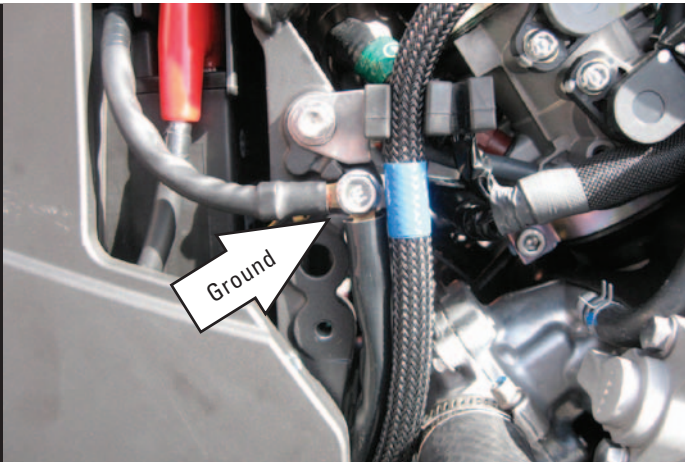
- 4 Lay the Juice Box Pro next to the gauge panel temporarily and route the Juice Box Pro harness along the stock wiring harness on the left side of the bike to the throttle body connection (Fig. C).  
*Use the supplied zip-ties to secure the Juice Box Pro wiring harness to the stock wiring harness.*

Figure D



- 5 Connect the Juice Box Pro in-line of the stock wiring harness and throttle body harness (Fig. D).

Figure E



- 6 Route the ground wire with the eyelet to the right hand side of the bike and secure it the stock ground bolt (Fig. E).
- 7 Reinstall the coolant reserve bottle.

Figure F



- 8 Install the Juice Box Pro module to the left hand ram air duct. Use the supplied velcro to secure the module (Fig. F).

*Clean both surfaces with the supplied alcohol swab prior to applying the velcro.*

- 9 Reinstall the body panels.

*This bike uses a servo to hold the throttle plates open during cold starts. If the throttle position needs to be reset, make sure the bike is running at normal operating temperature before resetting the throttle position in the TopTune software.*