



## 2008-10 Polaris RZR

### 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       |
| 2 | Zip ties           |

**FOR RACE USE ONLY**

DOWNLOAD THE TOPTUNE SOFTWARE  
AND LATEST MAPS FROM OUR  
WEBSITE:

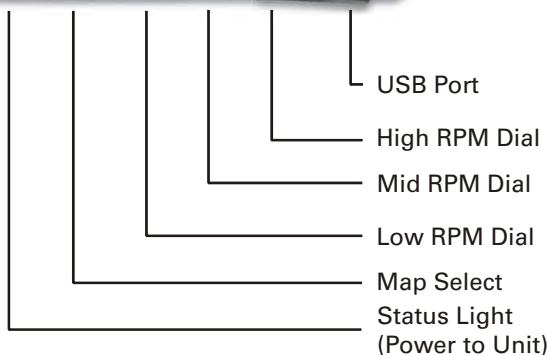
[www.twobros.com](http://www.twobros.com)

**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 TopTune.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 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 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                 | 2008-2010 Polaris<br>Ranger RZR |
| Position 2 | Two brothers slip on exhaust<br>Stock air filter  | 2008-2010 Polaris<br>Ranger RZR |
| Position 3 | Two Brothers triple exhaust<br>Stock air filter   | 2008-2010 Polaris<br>Ranger RZR |
| Position 4 | Stock exhaust<br>Stock air filter                 | 2009 Polaris<br>RZRS            |
| Position 5 | Two Brothers triple full exhaust<br>Stock air box | 2009-2010 Polaris<br>RZRS       |

## **WARNING**

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

- 1 Remove both seats.
- 2 Remove the plastic panel behind the seats.
- 3 Locate the injector harness connectors as shown in Figure A.  
The injector harness connectors are located next to the ignition coils.
- 4 Unplug the injector harness connectors.
- 5 Attach the Juice Box Pro connectors to the injector harness and stock wiring harness as shown in Figure B.

- 6 Locate the grey 3-pin throttle position sensor (TPS) connector as shown in Figure C.  
The TPS connector is located to the rear of the throttle body.
- 7 Unplug the TPS connector.  
**Note:** Figure C was taken with the bed removed. This connector can be accessed without removing the bed.

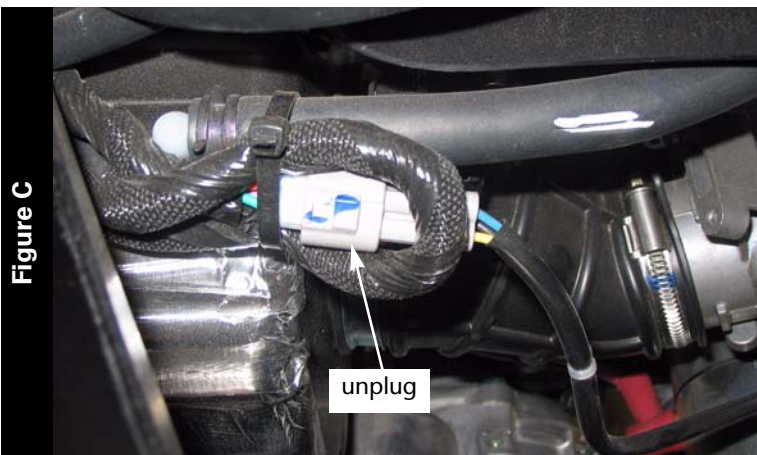
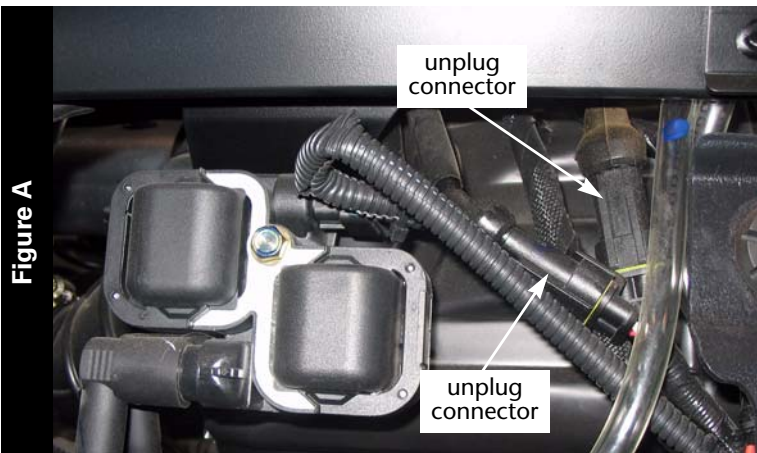
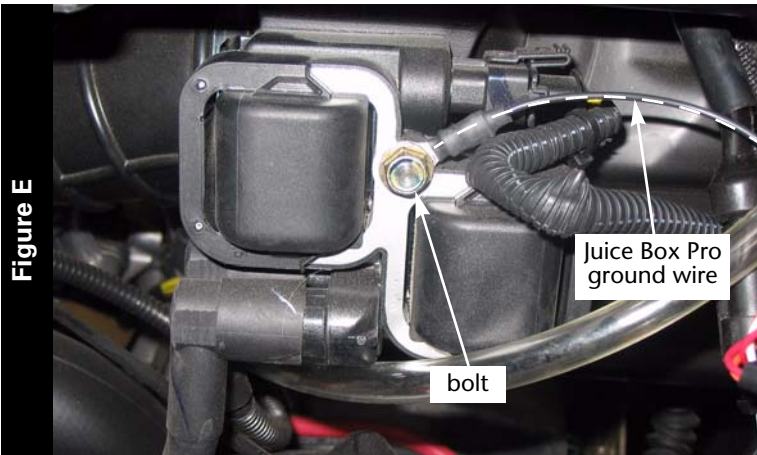


Figure D



- 8 Attach the Juice Box Pro connectors to the TPS connector and wiring harness as shown in Figure D.
- 9 Using one of the supplied zip ties, secure the connectors in place.

Figure E



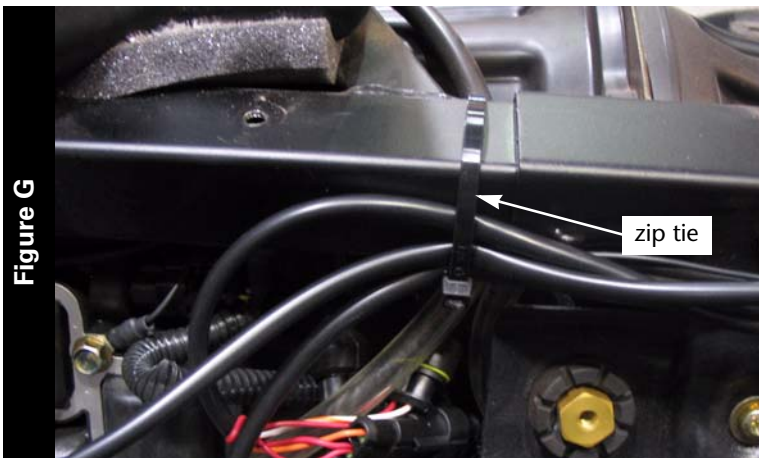
- 10 Remove the bolt securing the coil pack to the bracket as shown in Figure E.
- 11 Secure the ground wire from the Juice Box Pro to the bracket using the bolt removed in step 10.

Figure F



- 12 Using the supplied velcro, secure the Juice Box Pro to the panel behind the drivers seat above the ECU as shown in Figure F.  
Make sure to clean both surfaces with the alcohol swab before attaching.

Figure G



- 13 Using one of the supplied zip ties, secure the Juice Box Pro harness to the frame as shown in Figure G.
- 14 Reinstall the plastic panel and seats.