JUICEBOX PRO®
Premium Fuel Controller

2009-2010 Suzuki Bandit 1250

Installation Instructions

PARTS LIST

1	Juice Box Pro™
1	USB Cable
1	Top Tune CD-ROM
1	Installation Guide
2	Velcro
1	Alcohol swab
1	O2 optimizer
1	Posi-tap

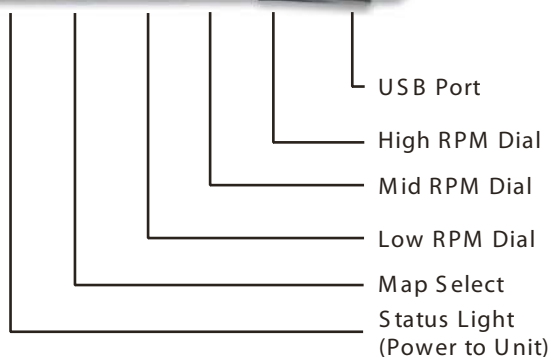## THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION!

DOWNLOAD THE TOPTUNE SOFTWARE AND LATEST MAPS FROM OUR WEBSITE:
www.twobros.com

PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION

401 S. Grand Ave. Santa Ana, CA 92705
(800) 211-2767 www.twobros.com

JUICEBOX PRO
Premium Fuel Controller

USB Port

High RPM Dial

Mid RPM Dial

Low RPM Dial

Map Select

Status Light
(Power to Unit)

Position 0	Zero map	
Position 1	Stock exhaust Stock air filter	2009-2010 Suzuki Bandit 1250
Position 2	Two Brothers VALE slip-on Stock or aftermarket air filter	2009-2010 Suzuki Bandit 1250

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.

Figure A

Juice Box Pro harness

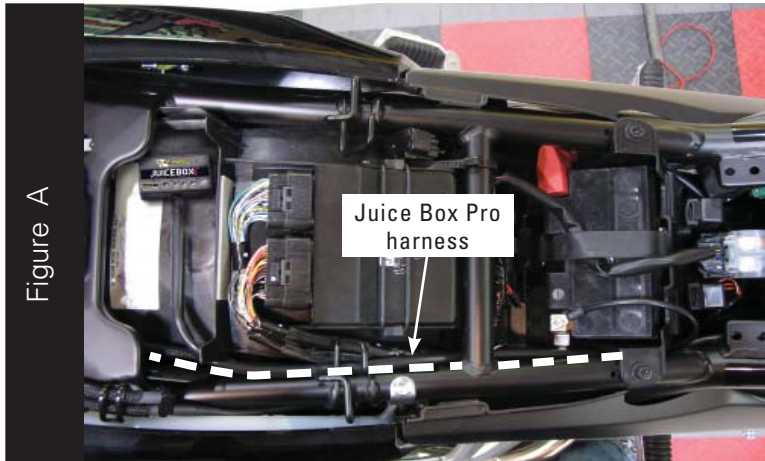**Figure B**

unplug   unplug

Figure C

Juice Box Pro harness

1. Remove the main seat.

2. Remove the fuel tank.

3. Lay the Juice Box Pro in the tail section.

4. Route the Juice Box Pro harness under the subframe crossover and go towards the throttle bodies.
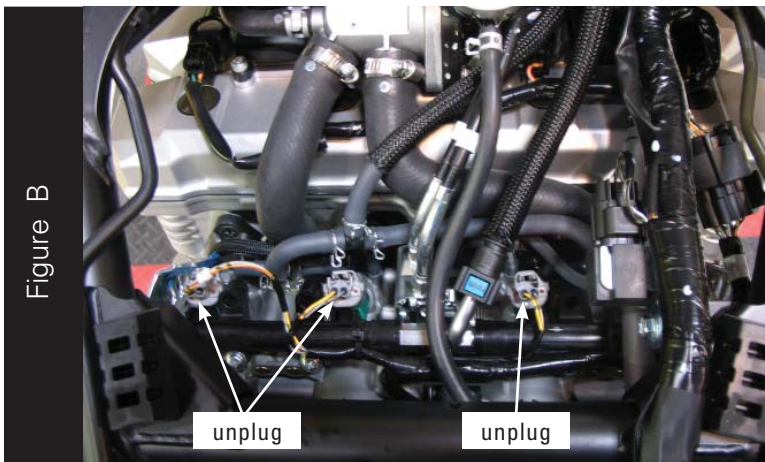
5. Unplug the stock wiring harness from each of the injectors as shown in Figure B.

   Injector #4 is hidden in this picture by the main wiring harness.

6. Attach the connectors from the Juice Box Pro to the stock injectors and the stock wiring harness as shown in Figure C.

Figure D

Figure E

ground wire

Posi-Tap
1 Insert Hot Wire
2 Tighten
3 Strip Leads
4 Insert & Tighten

7. Locate the Throttle Position Sensor (TPS).

   The TPS is located on the left hand side of the throttle bodies.

8. Unplug the TPS connector to gain access to the wires.

9. Attach the supplied posi-tap to the PINK wire with a BLACK stripe as shown in Figure D.

   This connection can be done further up the harness than what is shown in Figure D for a cleaner install.

10. Attach the GREY wire from the Juice Box Pro to the posi-tap.

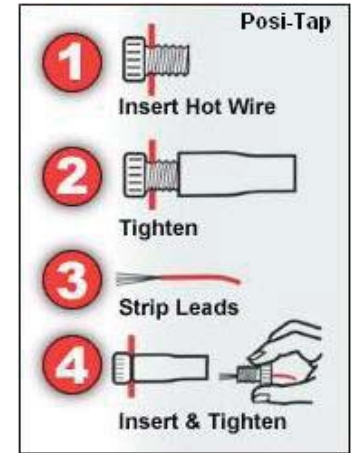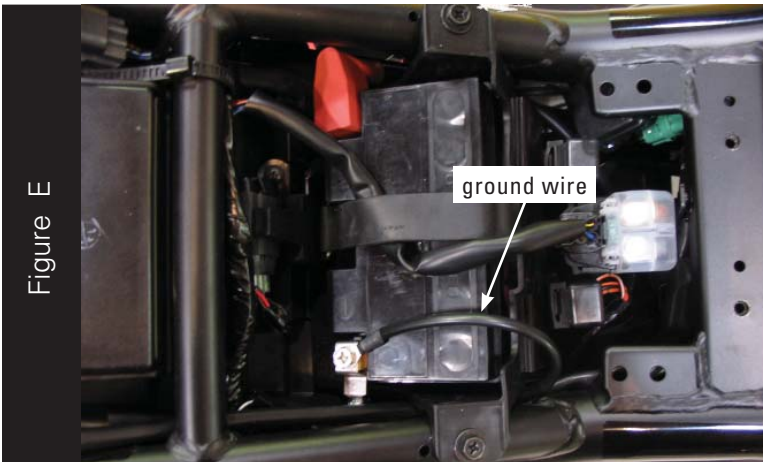11. Attach the TPS connector back onto the throttle body.

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

13. Reinstall the fuel tank.

    Verify the Juice Box Pro harness does not get pinched.

14. Using the supplied velcro, secure the Juice Box Pro in the tail section of the trunk.

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

15. Locate the stock O2 sensor.

    The stock O2 sensor is located under the left hand side cover.

16. Unplug the sensor from the stock wiring harness.

17. Attach the O2 optimizer to the main wiring harness.

    The stock O2 sensor will not be connected to anything anymore.

18. Reinstall the seat.