



2007-09 Kawasaki Z1000

Installation Instructions



JUICEBOX PRO[®]
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 |
| 1 | O2 Optimizer |

FOR RACE USE ONLY

DOWNLOAD THE TOPTUNE SOFTWARE
AND LATEST MAPS FROM OUR
WEBSITE:

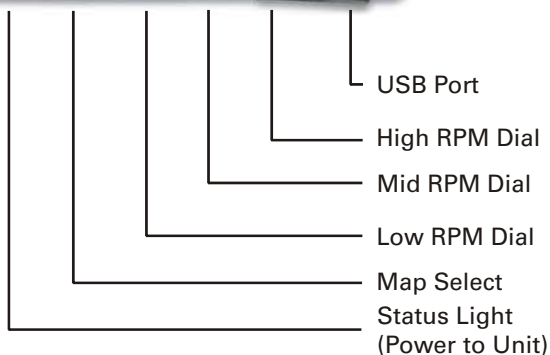
www.twobros.com

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



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 Stock air filter	2007-2009 Kawasaki Z1000
Position 2	Two brothers slip on exhaust Stock or aftermarket air filter	2007-2009 Kawasaki Z1000



The ignition must be turned OFF before installation.

- 1 Remove the main seat and the passenger seat.
- 2 Remove the fuel tank.
The installation can be done without removing the fuel tank, but it may make the installation easier by doing so.
- 3 Using the supplied velcro, secure the Juice Box Pro to the inner rear fender behind the air box as shown in Figure A.
Make sure to clean both surfaces with the alcohol swab before attaching.
- 4 Route the harness towards the front of the bike along the left hand frame tube.

- 5 Unplug the stock wiring harness from each of the four injectors.

Note:Figure B only shows the #3 and #4 injector. You will need to also remove the harness from the #1 and #2 injector.

- 6 Attach the Juice Box Pro wiring harness to the stock harness and the injectors as shown in Figure C.
 - orange wire connects to cylinder #1 (left)
 - yellow wire connects to cylinder #2
 - green wire connects to cylinder #3
 - blue wire connects to cylinder #4 (right)

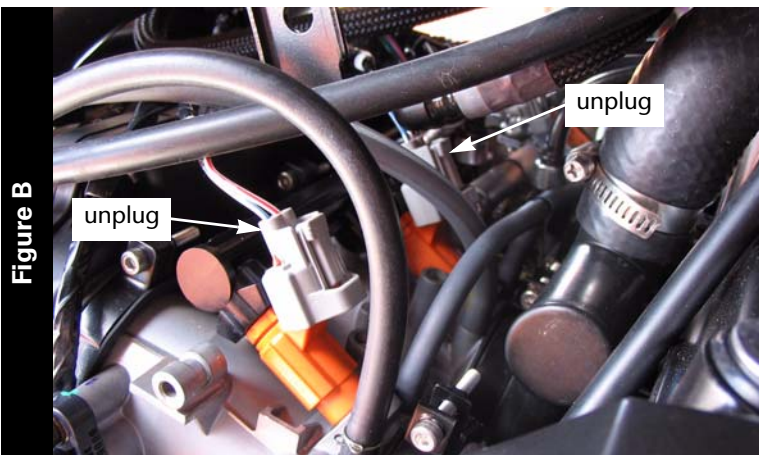
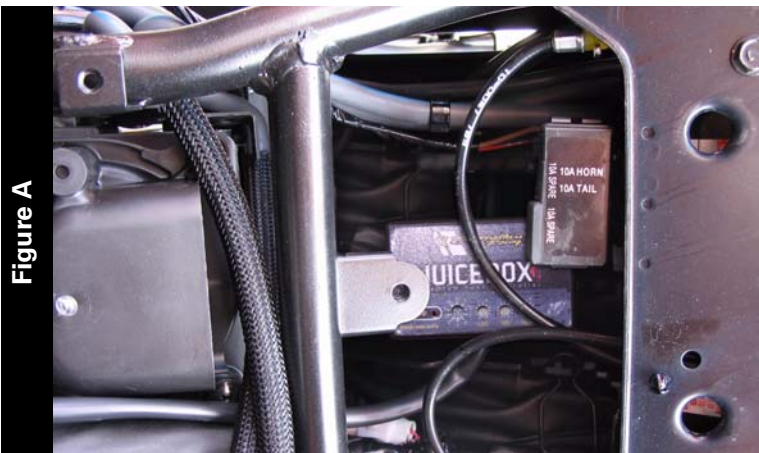
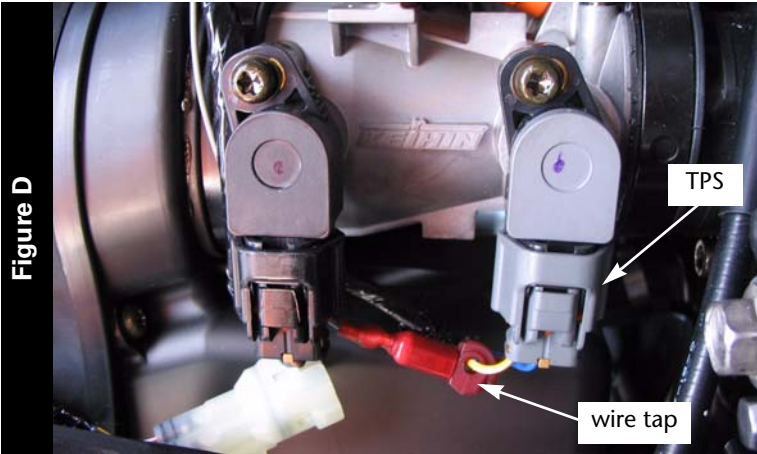
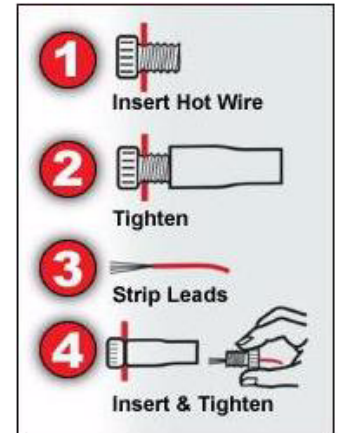


Figure D

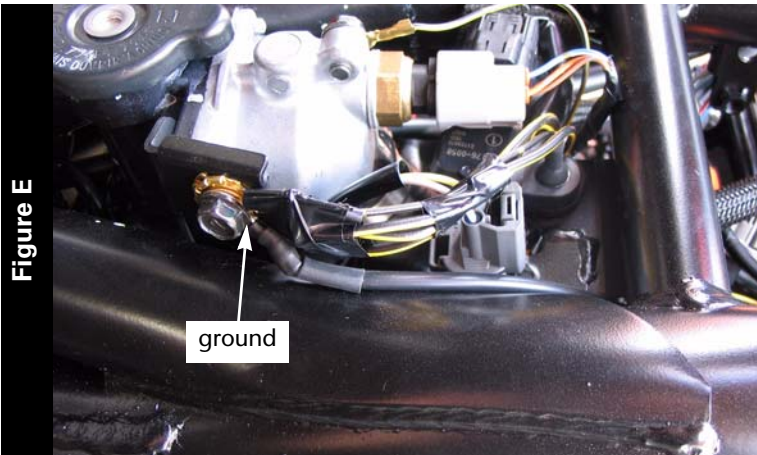


- 7 Locate the throttle position sensor (TPS) connector as shown in Figure D.
This connector is located on the right hand side of the throttle bodies and is grey in color.
- 8 Using the supplied posi-tap, attach the grey wire from the Juice Box Pro to the yellow/white wire of the stock throttle position sensor (TPS) as shown in Figure D.
This connection can be made further up the harness to make it less noticeable if desired.



- 9 Attach the ground wire from the Juice Box Pro to the stock ground wire next to the thermostat housing as shown in Figure E.
- 10 Reinstall the fuel tank.

Figure E



- 11 Remove the frame cover on the right hand side as shown in Figure F.

Figure F

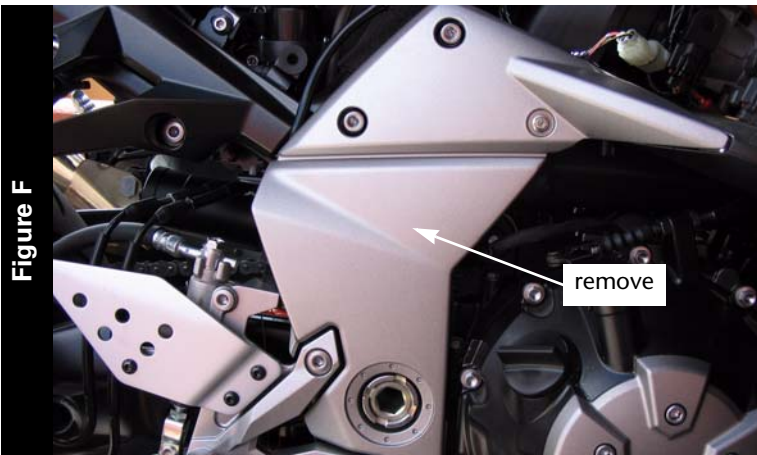
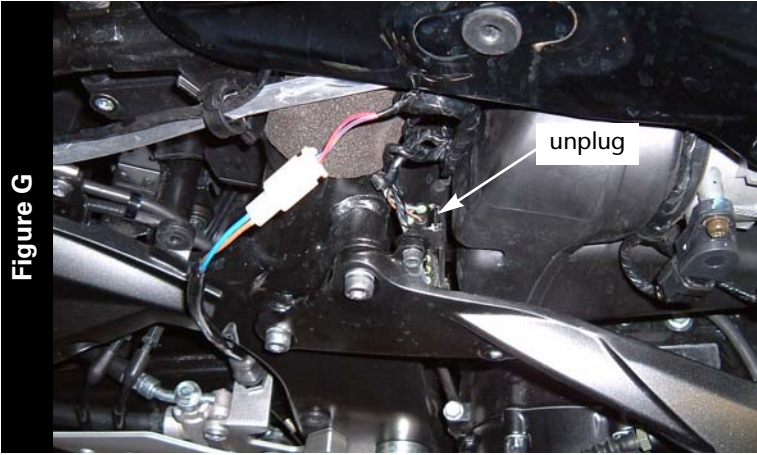


Figure G



- 12 Locate the stock O2 sensor connection.
This is a black 4-pin connector.
- 13 Unplug this connection as shown in Figure G.
- 14 Attach the O2 optimizer to the stock wiring harness.
- 15 Secure the O2 optimizer to the frame.
The stock O2 sensor will not be connected to anything at this time.
- 16 Reinstall the frame cover.
- 17 Reinstall the passenger seat and the main seat.