JUICEBOX PRO®
Premium Fuel Controller

2006-09 Outlander 800/2007-10 Renegade 800

Installation Instructions

PARTS LIST

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

THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION!

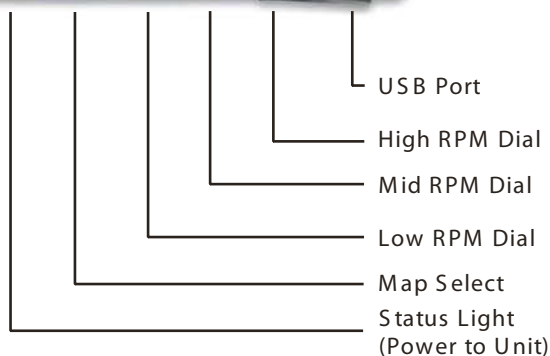DOWNLOAD THE TOPTUNE SOFTWARE AND LATEST MAPS FROM OUR WEBSITE:
www.twobros.com

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	2007-2010 CanAm Renegade 800
Position 2	Two Brothers slip-on exhaust Stock air filter	2007-2010 CanAm Renegade 800
Position 3	Stock exhaust Stock air filter	2006-2009 Bombardier Outlander 800
Position 4	Two Brothers slip-on Stock air filter	2006-2009 Can-Am Outlander 800

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.
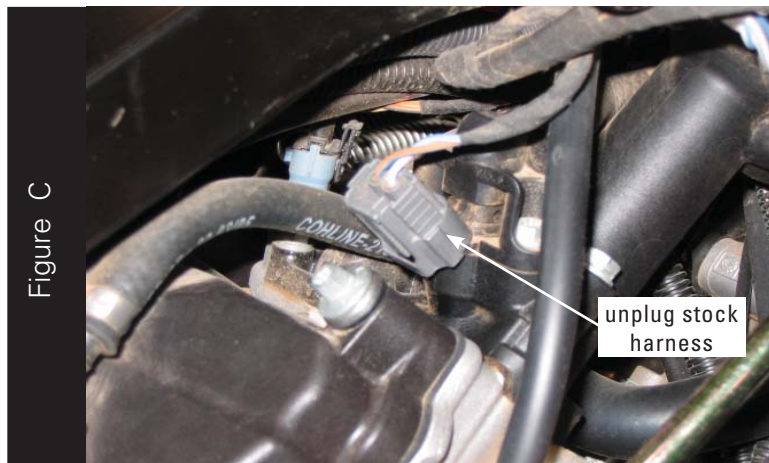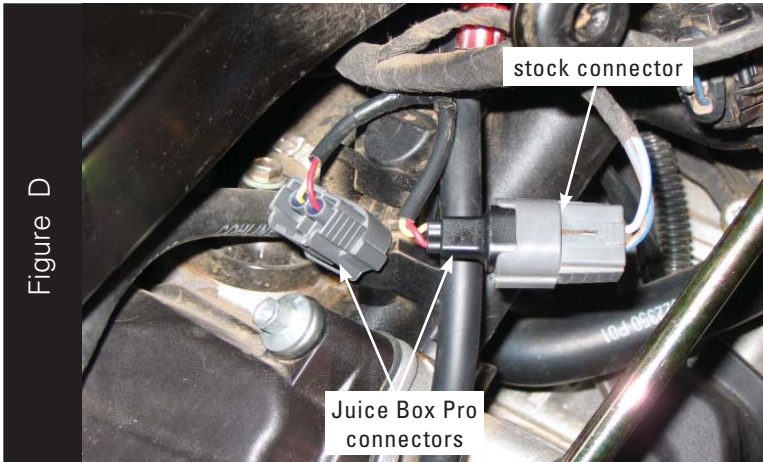3 Click Map Database. All maps will automatically be installed to the C:\Program Files\TBR TopTune\maps folder.

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.

Figure A

remove

1. Remove the seat.
2. Remove the right hand side covers as shown in Figure A.

Figure B

air box cover

JUICEBOX

3. Using the supplied velcro, secure the Juice Box Pro to the underside of the airbox cover as shown in Figure B.

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

   Note: Figure B shows the Juice Box Pro in the general location of the install. Place the unit above this location.
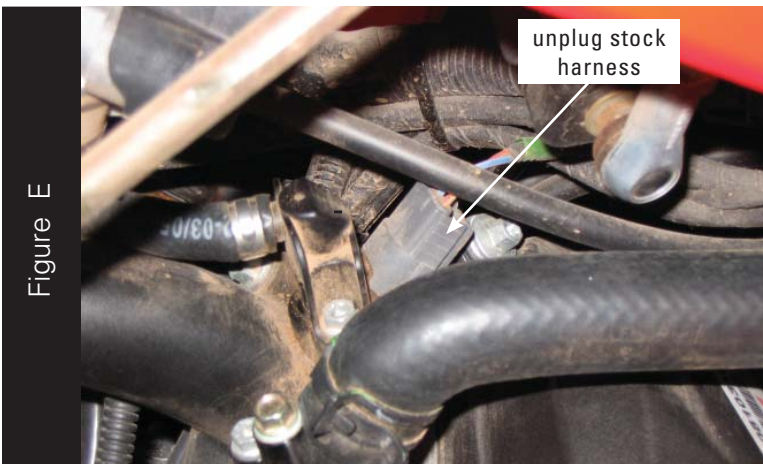4. Route the Juice Box Pro wiring harness to the right side of the ATV.

Figure C

unplug stock harness

5. Unplug the stock wiring harness from the rear injector as shown in Figure C.

Figure D

stock connector

Juice Box Pro
connectors
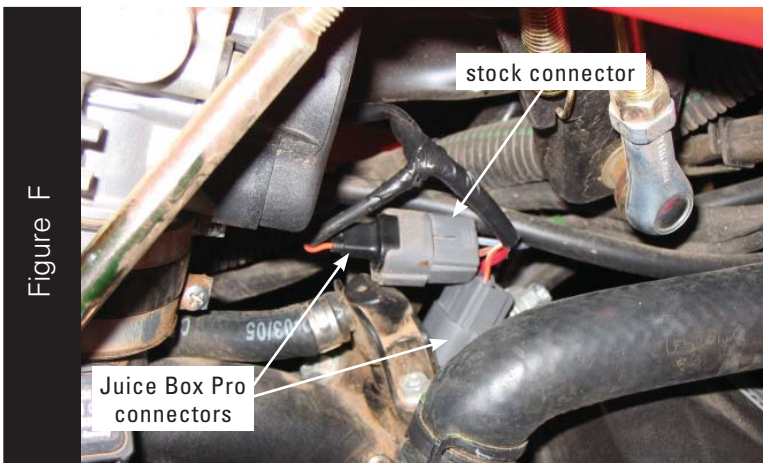
6. Attach the yellow colored wires from the Juice Box Pro to the stock wiring harness and the rear fuel injector as shown in Figure D.

Figure E

unplug stock harness

7. Unplug the stock wiring harness from the front injector as shown in Figure E.

Figure F

stock connector

Juice Box Pro
connectors

8. Route the orange colored wires from the Juice Box Pro to the left hand side of the throttle body and go towards the front injector.

9. Attach the orange colored wires from the Juice Box Pro to the stock wiring harness and front fuel injector as shown in Figure F.

Figure G

unplug

Figure H

grey wire from Juice Box Pro

Figure I
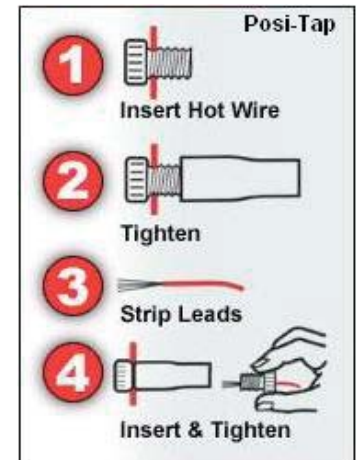

ground wire

bolt

10. Locate the Throttle Position Sensor (TPS) connector.

    The TPS connector is located on the rear of the throttle body as shown in Figure G.

11. Unplug the TPS connector.

12. Attach the supplied posi-tap to the white/brown wire of the TPS harness.

13. Attach the grey wire from the Juice Box Pro to the posi-tap.

    Note: It is recommended to use dielectric grease on these connections.

14. Plug the wiring harness back onto the TPS.

Posi-Tap

1. Insert Hot Wire
2. Tighten
3. Strip Leads
4. Insert & Tighten

15. Route the ground wire from the Juice Box Pro to the left hand side of the throttle body and follow the stock ground wires down to the right hand side of the engine as shown in Figure I.

16. Attach the ground wire from the Juice Box Pro to the common ground lug of the engine as shown in Figure I.

17. Reinstall the side covers.

18. Reinstall the seat.