Z-Fi Installation Instructions
Part # F413

Parts List:
Z-Fi Control Unit
Fuel Harness
Cable Ties
Velcro
USB Cable
Swingarm Stickers
Download Z-Fi Mapper Software at **bazzaz.net**
Software instructions available at **bazzaz.net**

USE ONLY IN RACE OR OTHER CLOSED COURSE APPLICATIONS AND NEVER ON PUBLIC ROADS

Z-Fi products are not certified by the California Air Resource Board (CARB) for use on CA highways

BAZZAZ HARNESS CONNECTOR IDENTIFICATION
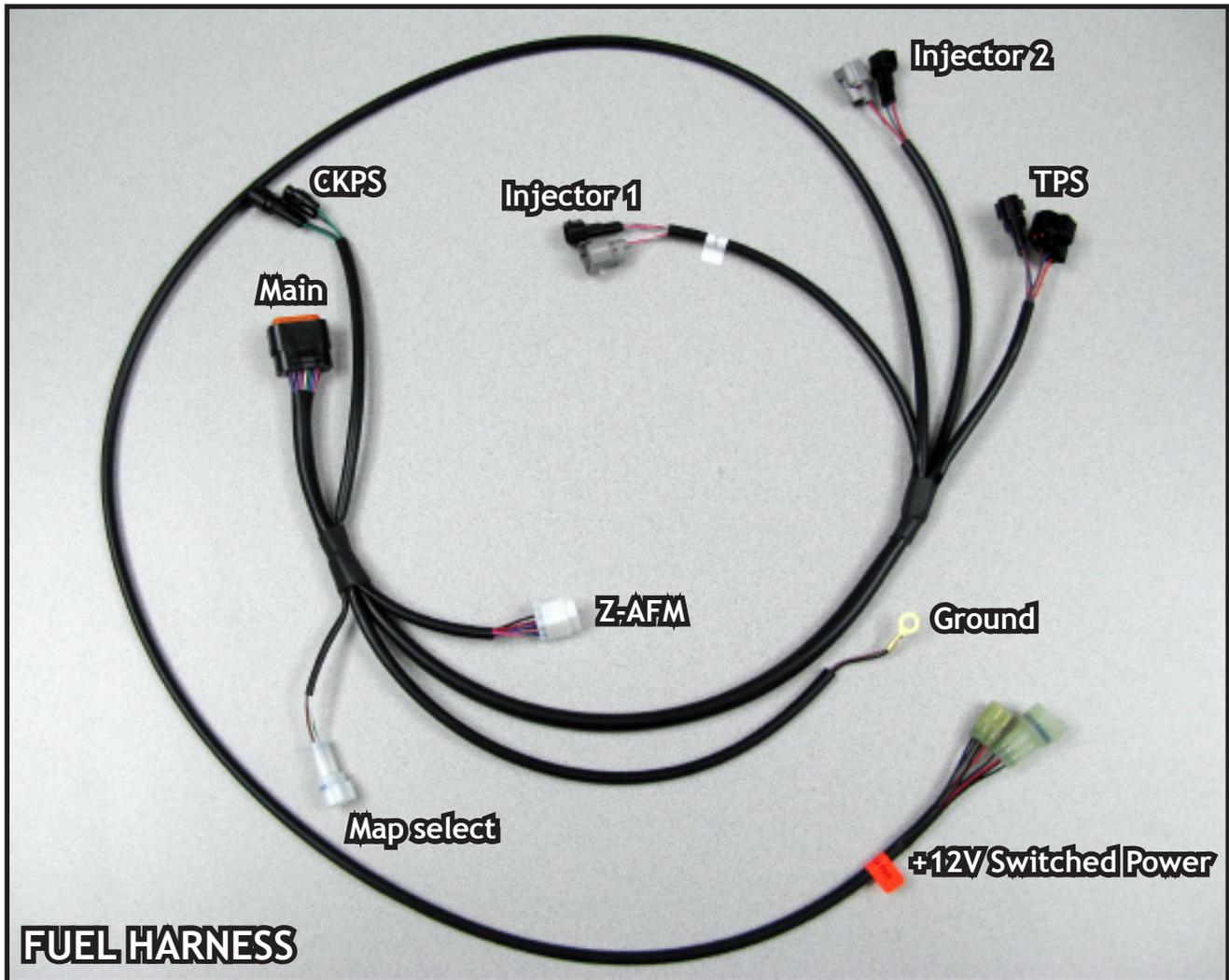
Injector 2

CKPS

Injector 1

TPS

Main

Z-AFM

Ground

Map select

+12V Switched Power

FUEL HARNESS

1. Begin the installation by removing the driver seat, passenger seat, center console, airbox and passenger side fuel tank cover (beneath the passenger seat).

Injectors   TPS

12V + Switched Power

Ground

CKPS
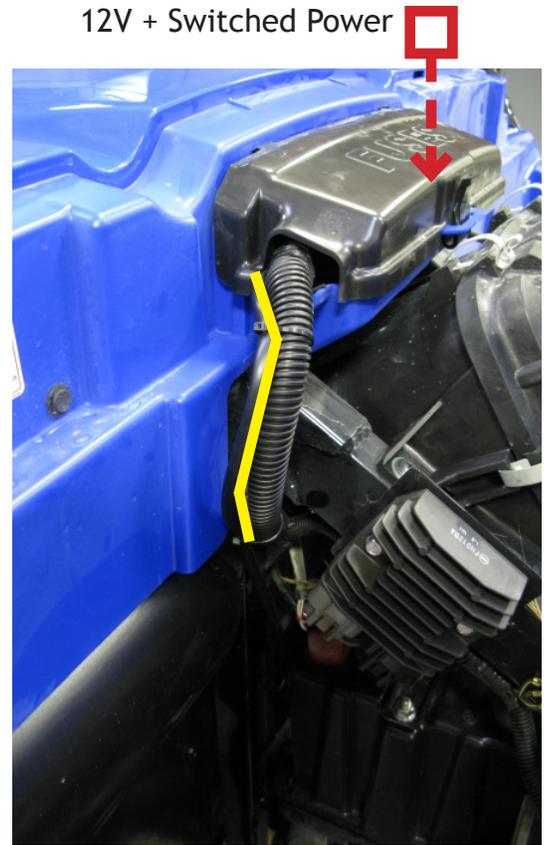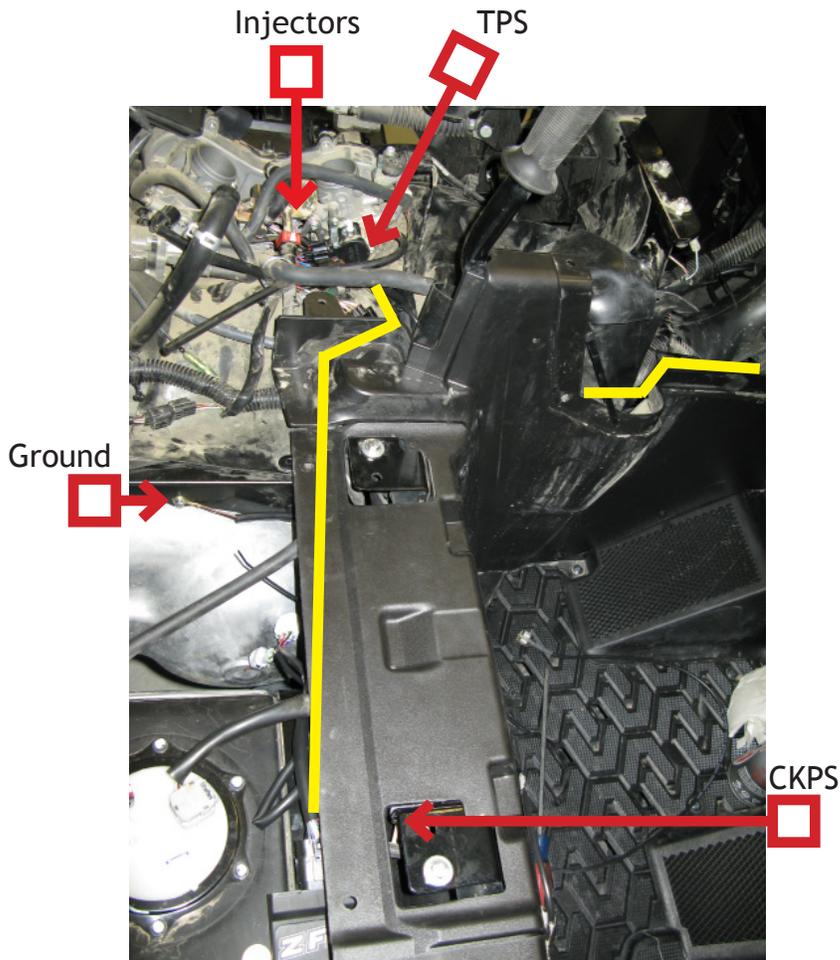
Fuel harness routing shown in yellow. Stock component information and location shown in red for later reference.

2. Using the supplied Velcro patch, secure the Bazzaz **CONTROL UNIT** on top of the fuel tank.
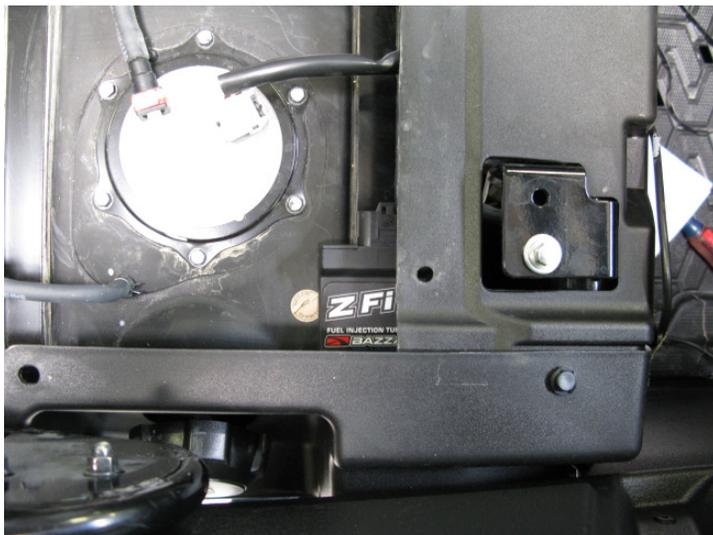
3. Connect the Bazzaz fuel harness to the control unit and begin routing the harness towards the engine. Locate the factory Crank Position Sensor (**CKPS)** connectors which can be found towards the front of the vehicle, above the fuel tank. Disconnect the factory CKPS connectors and connect the Bazzaz CPKS connectors in-line with the factory connectors.
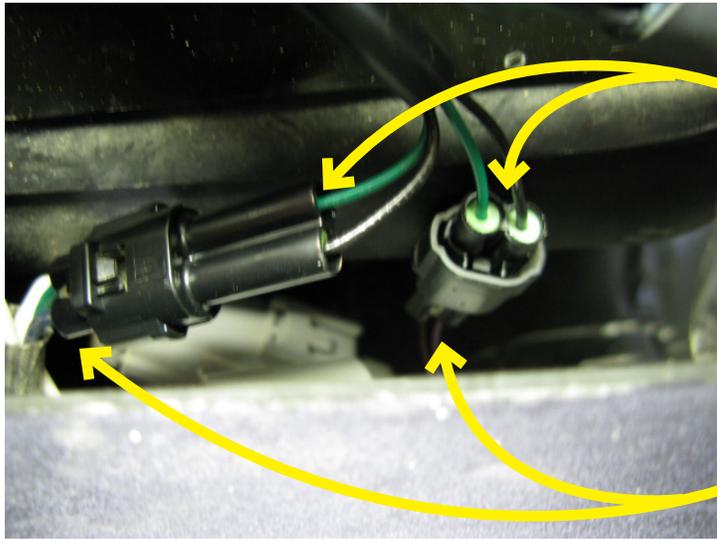
Bazzaz CKPS connectors

factory CKPS connectors

4. Next connect the Bazzaz **GROUND** lug to the 8 mm bolt which can be found along the engine case cover beneath the passenger seat.
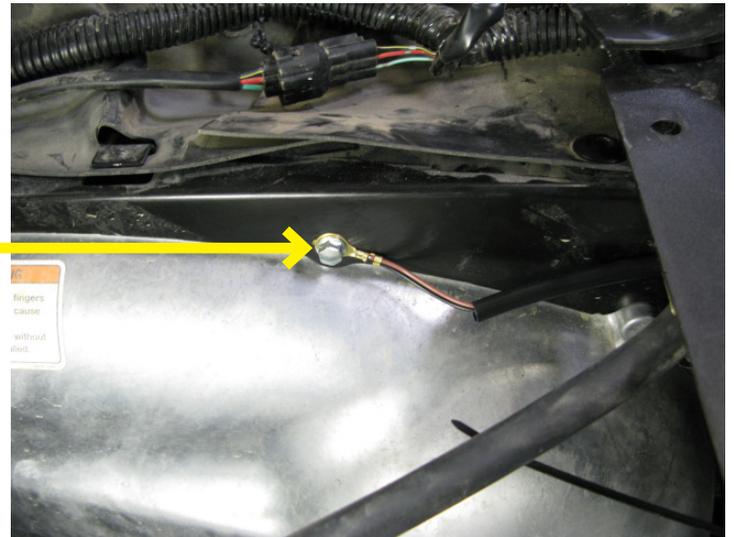
Bazzaz ground

Bazzaz TPS connectors
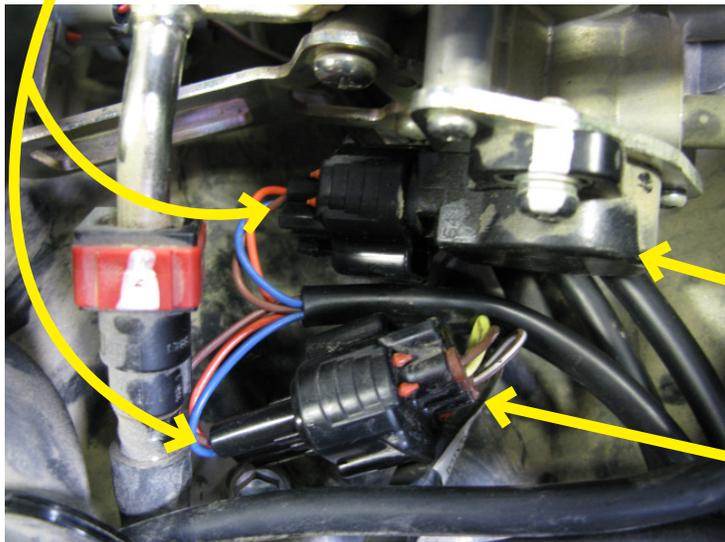
5. Locate the factory Throttle Position Sensor (**TPS**), which can be found on the right hand side of the throttle bodies (on the front cylinder). Disconnect the factory TPS connector from the sensor and connect the Bazzaz TPS connectors in-line with the factory connector and sensor.

TPS

factory TPS connector

6. Locate the factory **INJECTOR** connectors, which can be found between the throttle bodies. The Bazzaz injector connector with the *pink/white* wire will go to the front cylinder (cylinder #1).

Disconnect the factory injector connector from the injector. Now install the Bazzaz injector 1 connectors in-line with the factory connector and injector.

Now repeat the process for cylinder #2 and Bazzaz injector 2 connectors.

Bazzaz injector 2 connectors
(other Bazzaz connector is hidden from view)

factory injector 2
connector

Bazzaz injector 1
connectors

factory injector 1
connector
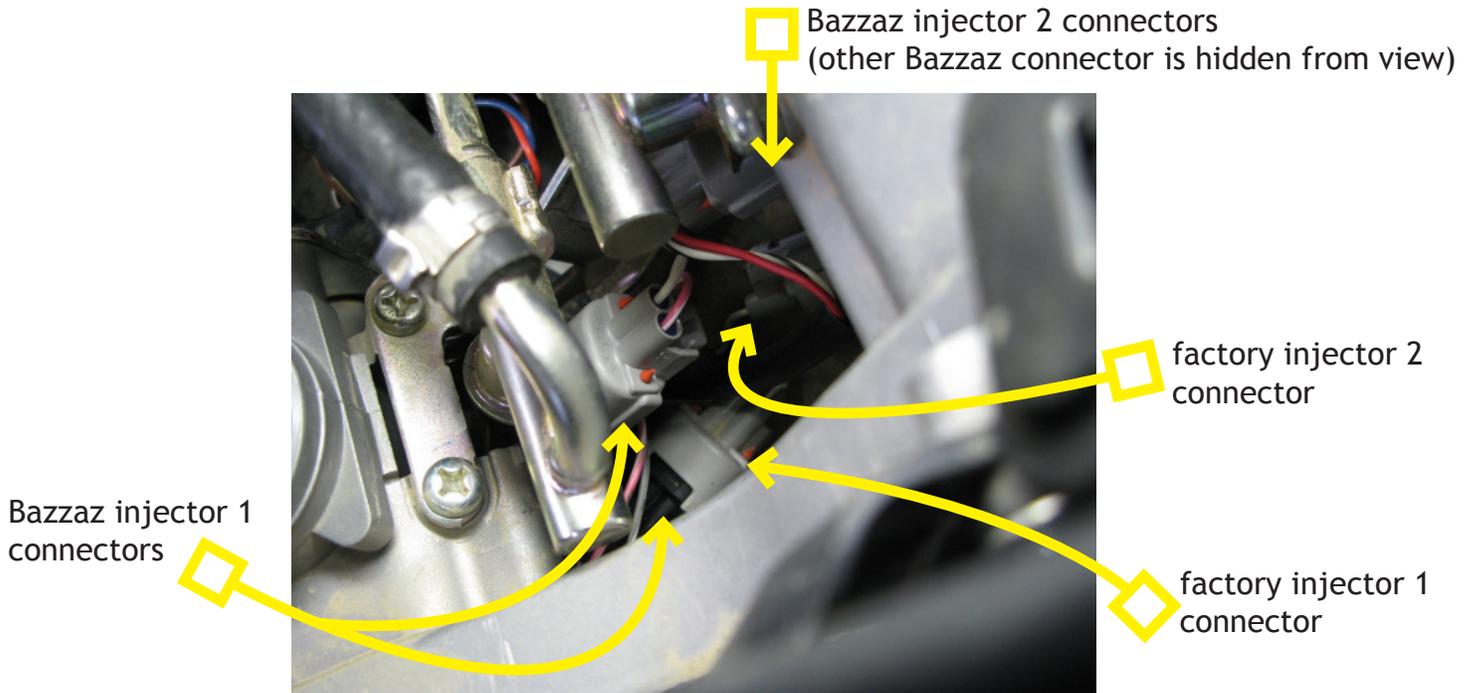
7. Now begin to route the Bazzaz lead with the +12V switched **POWER** connectors towards the front of the vehicle. Once under the hood of the vehicle, begin to route the harness up towards the fuse box and locate the factory diagnostic connectors within the fuse box (these are the connectors closest to the fuse relay). Disconnect the diagnostic connectors and install the Bazzaz +12V switched power connectors in-line with the factory connectors.

Bazzaz +12V switched
power connectors

factory diagnostic
connectors
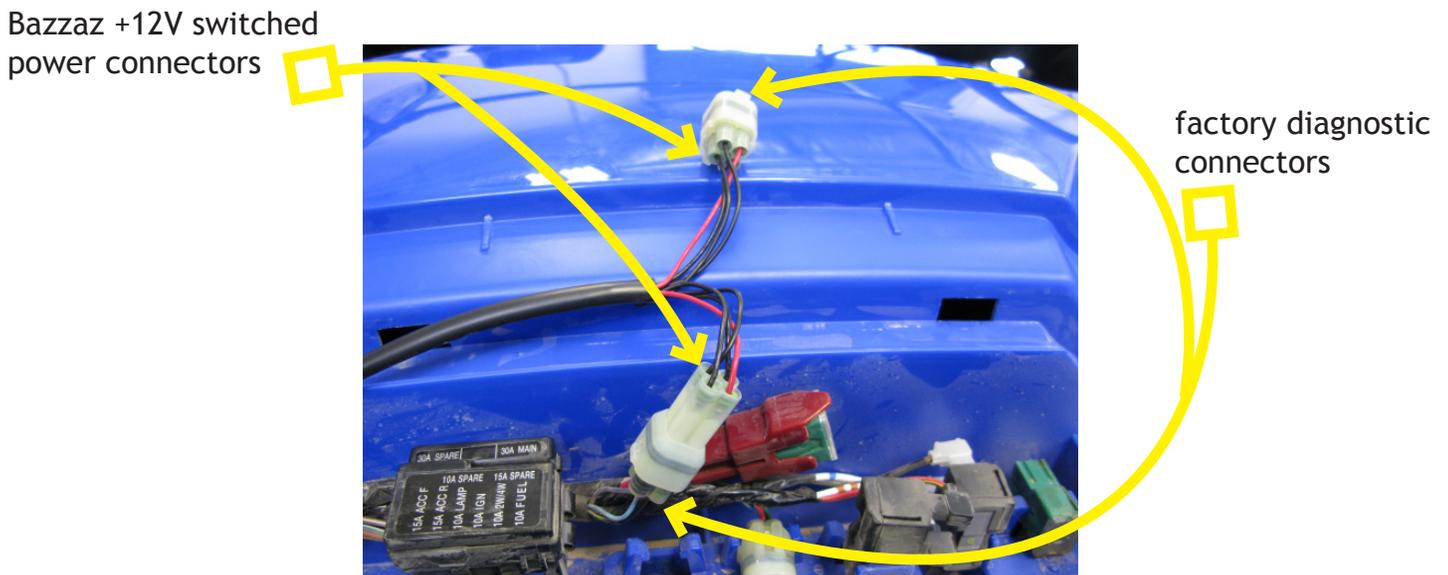
8. To complete the installation, use the supplied cable ties to secure the harness neatly along the routing path free of any moving or hot components (which could cause damage or failure of the system). If any problem is found, please carefully follow through the installation steps again. If problem still persists, please call **Bazzaz tech support at (909) 597-8300**. After it is determined that everything is correct, reinstall the components removed in step one and the installation will be complete.

The Bazzaz control unit is capable of storing two maps. These maps can be selected by connecting or disconnecting the map select jumper on the fuel harness (or you can switch maps on the fly with the handle bar mounted map select switch, sold separately). When the map select jumper is connected, the control unit is operating using map 1. When the map select jumper is disconnected, the control unit is operating using map 2.

The control unit is pre-programmed from the factory with an enhanced map in the map 1 position. The map 2 position is using the stock ECU map. You are able to load and unload maps as needed via the Z-Fi Mapper software.

Map 1

Map 2

Don't forget to download the Z-Fi Mapper software from **bazzaz.net** (under the software tab) if you wish to adjust your fuel map. You will also need access to the Z-Fi Mapper software if you will be using the Z-AFM self-mapping kit.
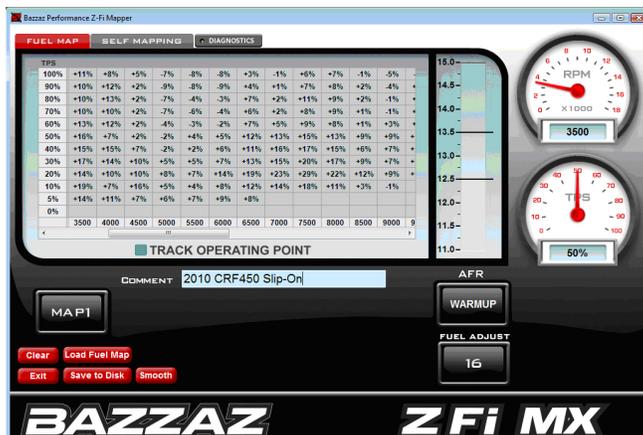
Accessories you may be interested in to ENHANCE your Bazzaz experience

Z-AFM™ | Tuning Technology (for use with all Bazzaz fuel control units)
Quickly collect data to build ideal, self-made fuel maps while riding. [Part No. 127062]

Map Select Switch (for use with the Z-Fi, Z-Fi MX, Z-Fi QS and Z-Fi TC)
The Bazzaz Map Select Switch is a handlebar-mounted switch for convenient toggling between two maps held on the Bazzaz unit. For example, rider can toggle between a fuel efficient map, rain map, or a full power map. [Part No. 127078]