2015 Ducati Diavel
QS4USB Installation Instructions
P/N Q121

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

Z-Fi products do not meet California CARB highway requirements

Parts List:
QS4 Control Unit
QS4 Harness
Shift Switch & Mounting Hardware
Download Z-Fi Mapper Software and its Instructions from website
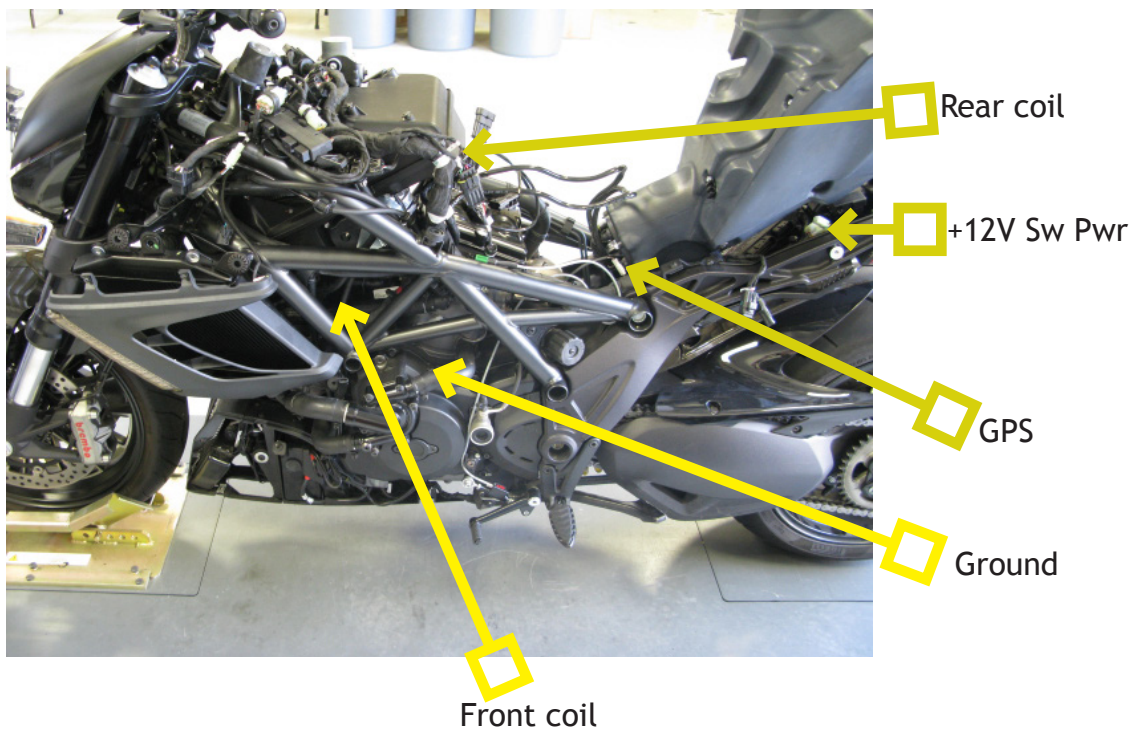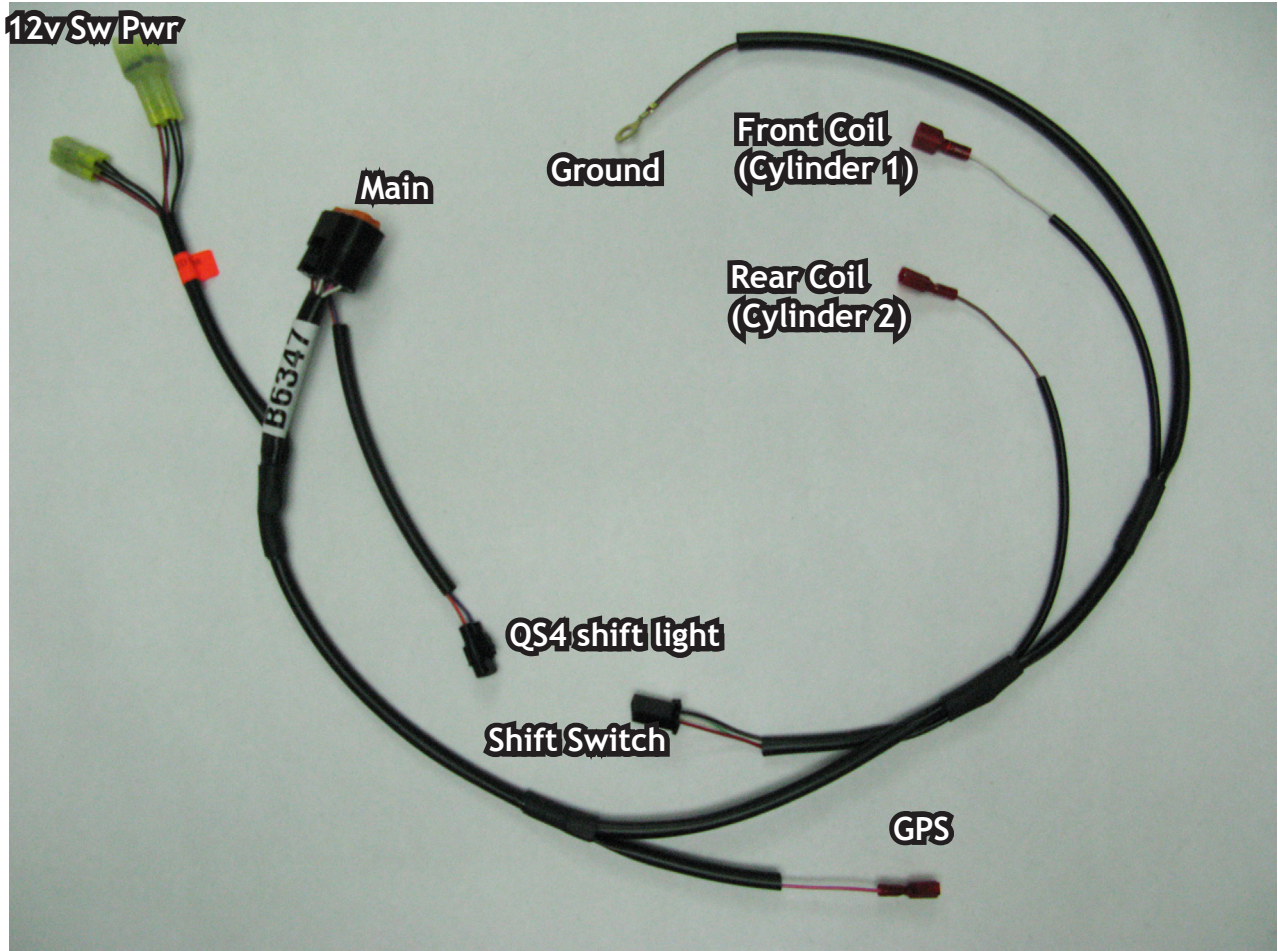Scotchlok (3)
Cable Ties
USB Cable
Velcro
Swingarm Stickers

Read through all instructions before beginning installation. This is not a replacement for the ECU. This document is intended for use by qualified technicians. For more specific stock component identifition and location information refer to a factory service manual.
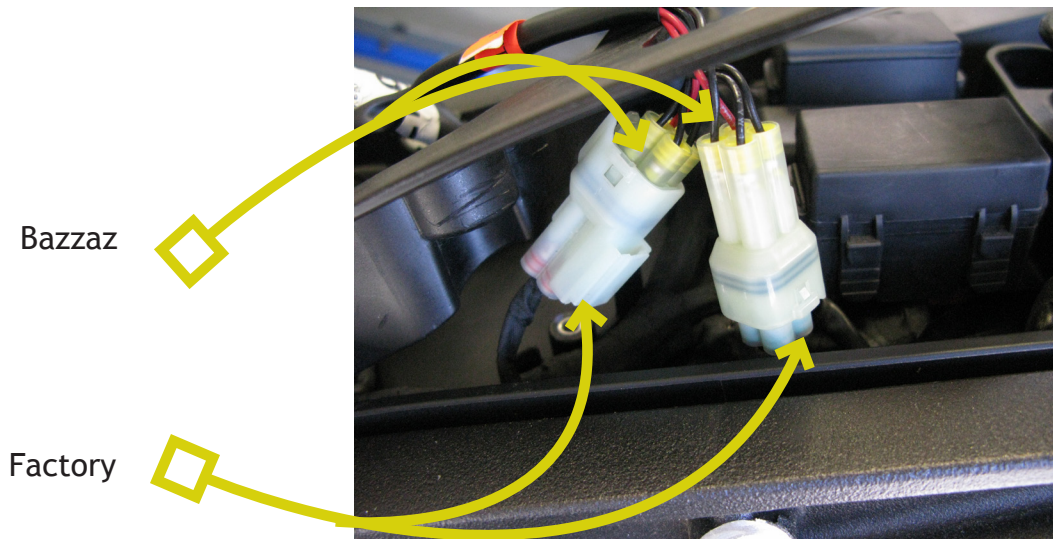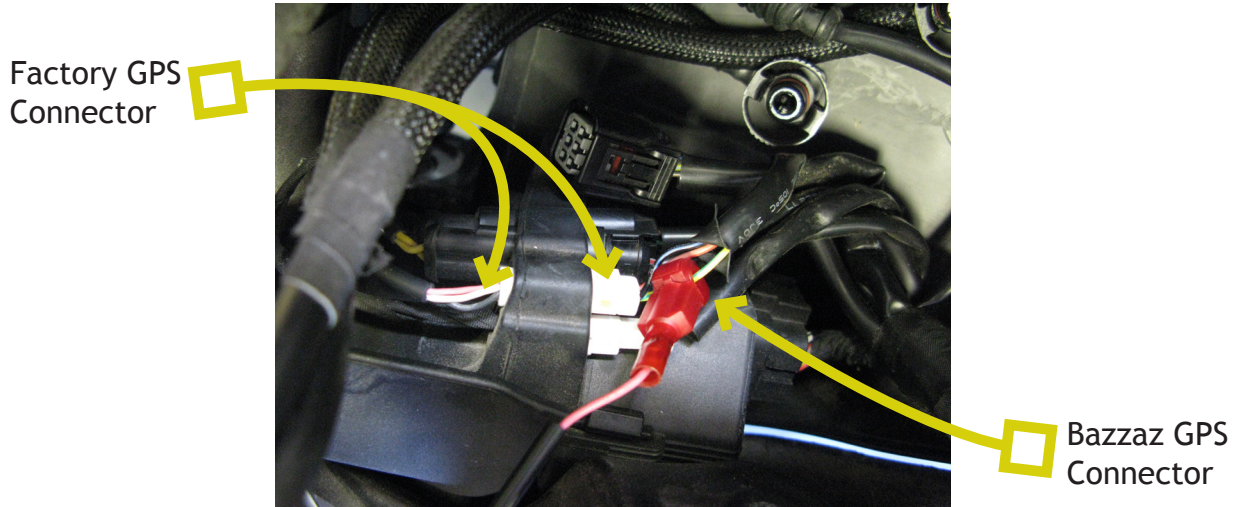
BAZZAZ HARNESS CONNECTOR IDENTIFICATION

QS4 HARNESS

12v Sw Pwr

Main

Ground

Front Coil
(Cylinder 1)

Rear Coil
(Cylinder 2)

QS4 shift light

Shift Switch

GPS

Rear coil

+12V Sw Pwr

GPS

Ground

Front coil

1. Begin the installation by removing the seat, all side panels, dash, tank cover, and tail tray. Unbolt the tank so it can be lifted up. Remove the air intake tubes on each side of the airbox. Next remove the outer and inner shrouds for the right side radiator.

2. You will need to unbolt everything on top of the airbox so it can shift backward. Next loosen both hose clamps on the intake boots and pull the airbox up and back so it is loose (it is still connected to the throttle cables so it cannot be removed completely).

3. Mount the control unit in the tail section of the motorcycle and connect the main connector of the Bazzaz QS4 to it. Route the QS4 harness under the left rear corner of the fuel tank.

4. Locate the tail light (clear connector) on the left side of the tail tray; disconnect this connector and plug the Bazzaz +12V switched power (orange label on lead) connectors in line between the two factory connectors.
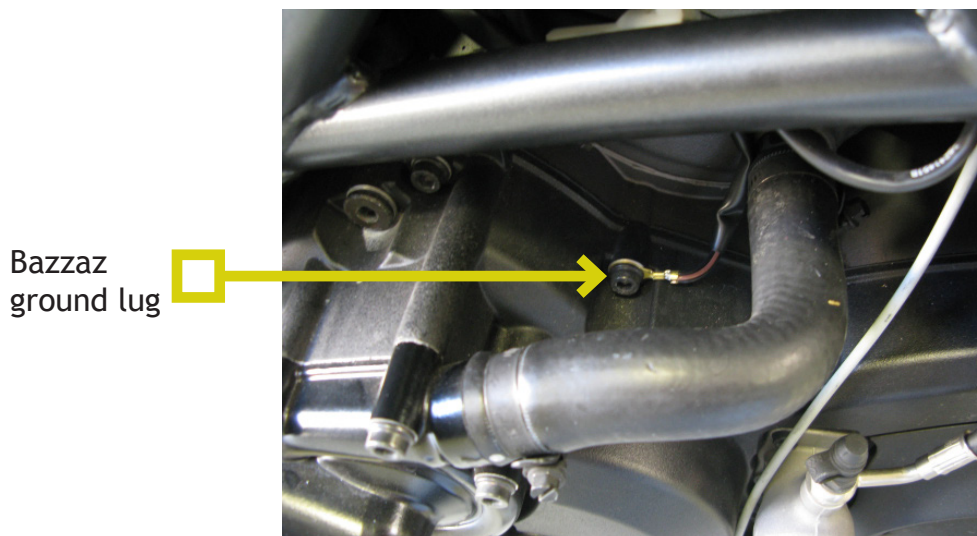
Bazzaz

Factory

5. Locate the GPS (Gear Position Sensor) connector (small white three pin connector) near the bottom of the tank, behind the rear exhaust. Trim the wire sheathing back and crimp a supplied scotchlok onto the ==yellow/green== wire of the factory GPS connector. Now insert the Bazzaz GPS connector (red connector with pink wire) into the scotchlok.

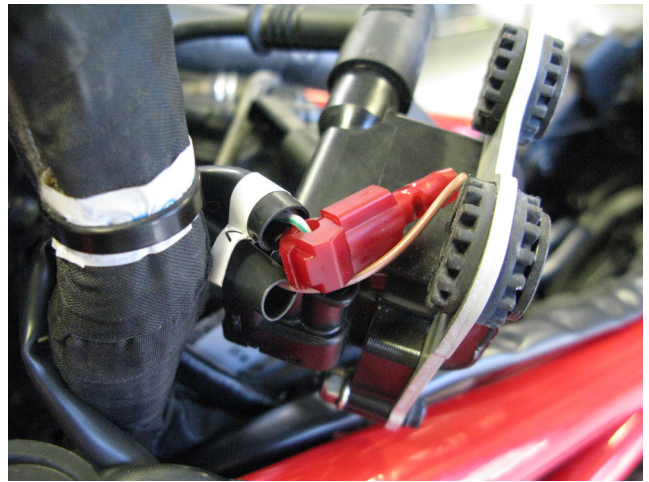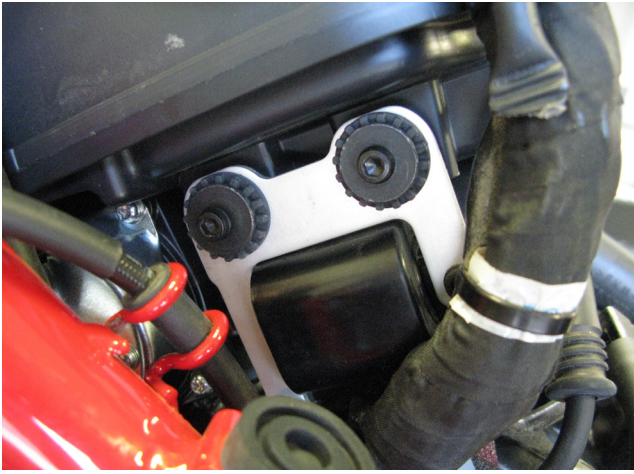Factory GPS Connector

Bazzaz GPS Connector

6. Continue routing the coil harness, following along with the factory harness down the left side of the motorcycle.

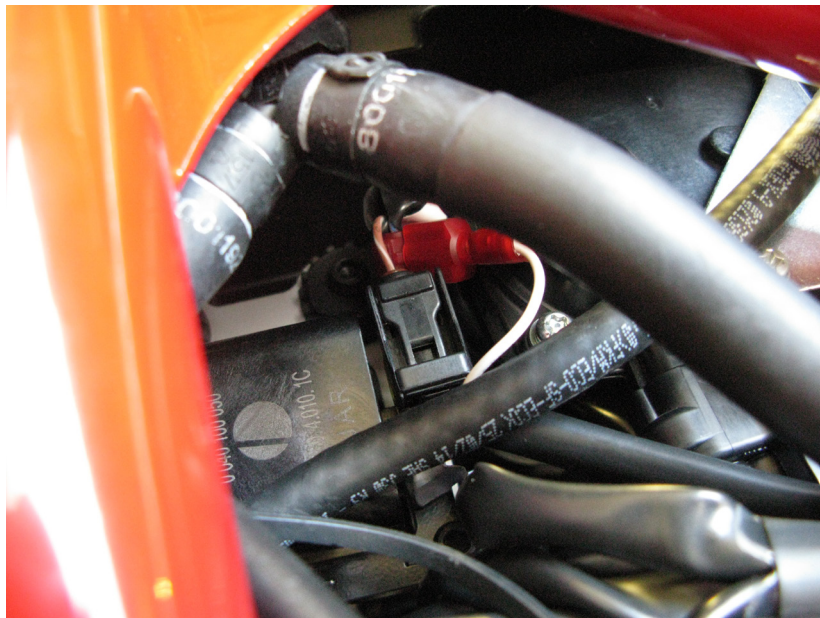7. Find a suitable engine case bolt to secure the Bazzaz ground lug to.

Bazzaz ground lug

8. Route the Bazzaz coil harness to the factory rear coil connectors on the rear of the airbox. Once removed, use the supplied scothchlok and crimp onto the factroy grey/green wire and connect the Bazzaz rear coil connector. Reinstall the factory ignition coil.

Rear Coil

9. Route the front coil connector down the left hand side of the bike towards the factory TPS. Locate the factory coil connector. Disconnect the factory coil connector, and use the supplied scotchlok to crimp onto the factory grey/blue wire and connect the Bazzaz front coil connector. Reconnect the factory coil connector.

Front Coil

10. Now you will begin the instillation of the shift switch. Remove the stock shift rod and the heim joint attached to the shift lever. Screw the shift switch into the factory heim joint on the upper shift linkage, then screw the supplied heim joint onto the shift switch to the desired length. Last, secure the heim joint to the shift rod then secure all 10mm nuts. Route the shift switch connector up to the mating connector on the Bazzaz coil harness.

Secure excess shift switch cable away from moving parts.

11. To complete the installation, use the supplied cable ties to secure the Bazzaz and factory harnesses neatly along its 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 department 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.

QS4 USB SHIFT LIGHT

Purchased separately.   **79.95**

Illuminates to identify pre-determined, optimal shift points. Comes pre-programmed with suggested figures that can be easily adjusted as desired.