Yamaha FZ8 2010-2013
Yamaha FZ1 2007-2013

QS4USB Stand-Alone Quick Shift Installation Instructions

Part #s Q791S, Q791R

In order to fit the Bazzaz reverse quickshift on this application, aftermarket rearsets must be used

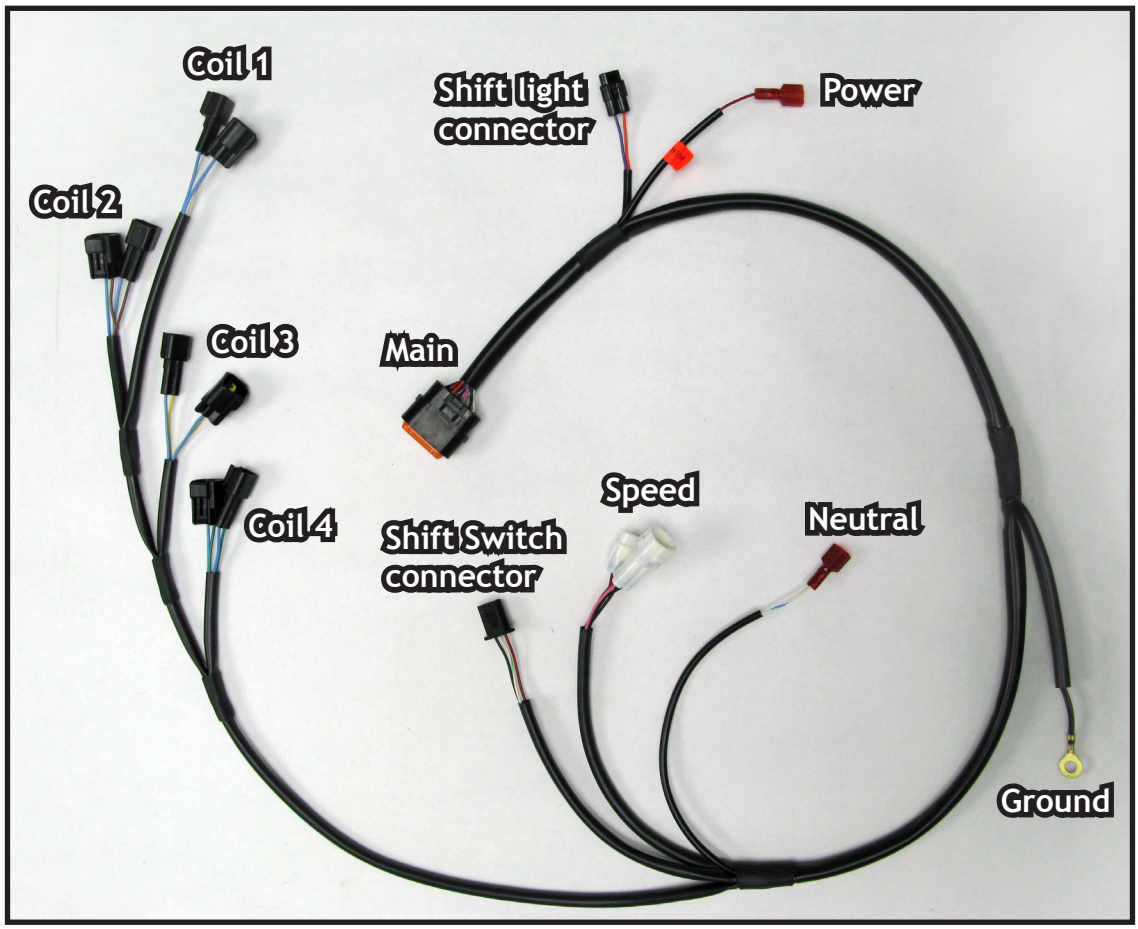
Parts List:

QS4 USB Control Unit
QS4 Harness
Shift Switch & Mounting Hardware
Scotchlok (2)
Cable Ties
Velcro
USB Cable
Swingarm Stickers

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



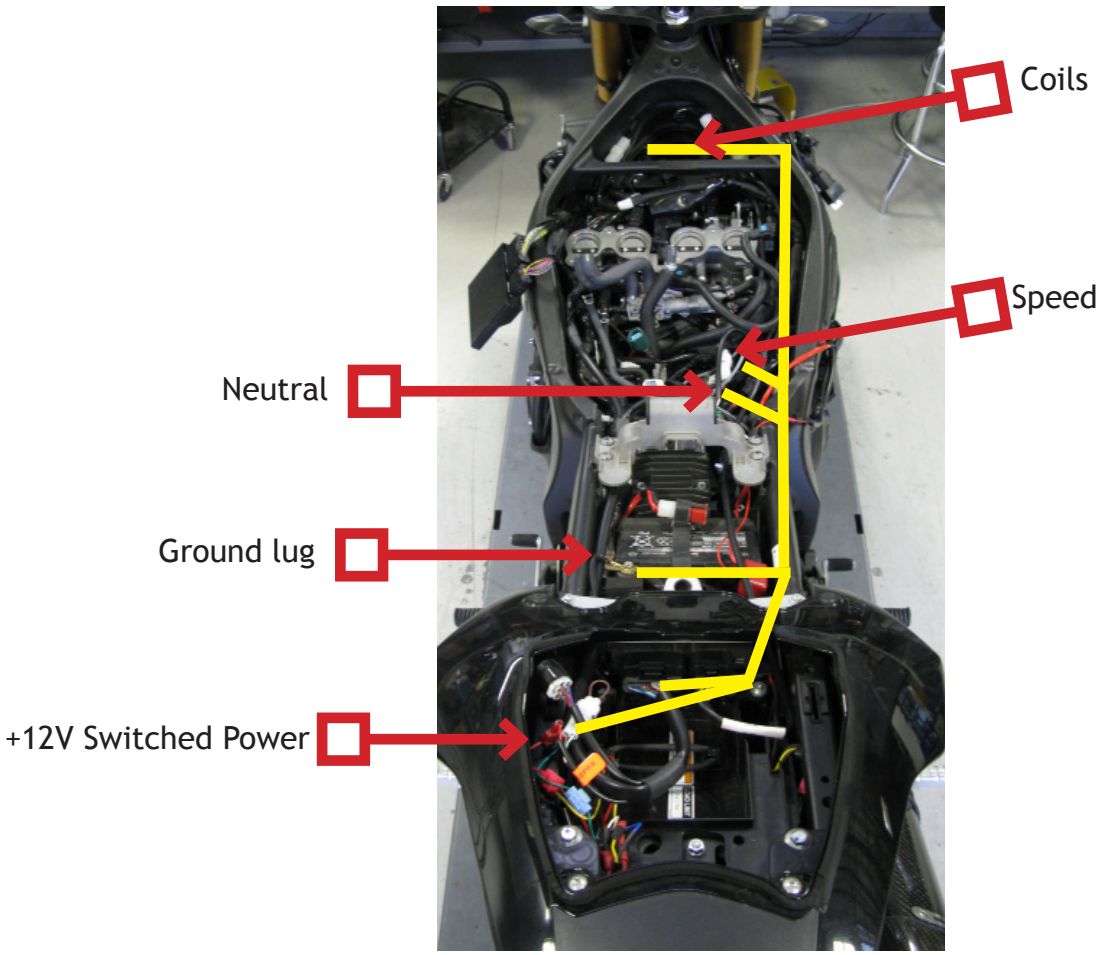
QS4 HARNESS

Read through all instructions before beginning installation. This is not a replacement for the ECU. This document is intended for use by qualified technicians. Refer to a factory service manual for more specific stock component identification and location information.

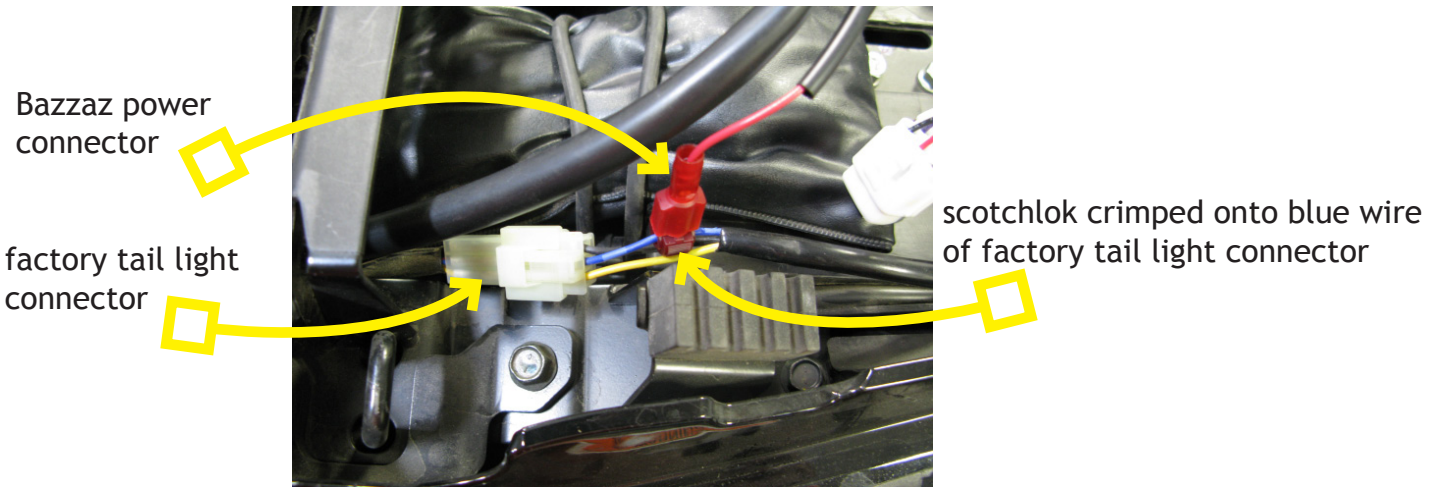
WE STRONGLY SUGGEST THAT AN EXPERIENCED TECHNICIAN INSTALL THIS BAZZAZ PRODUCT

1. Begin the installation by removing the rider and passenger seats, gas tank and airbox. Then slide the ECU out of its tray (to later gain access to the coils) but **DO NOT** disconnect.

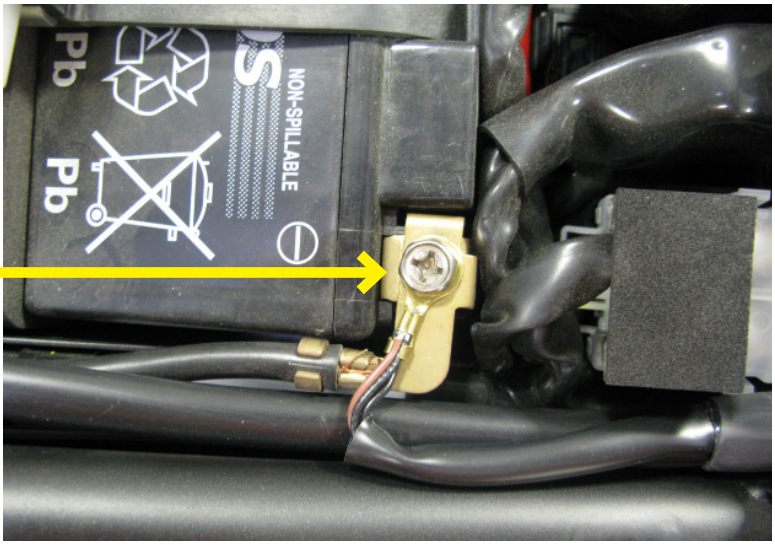
2. Place the **QS4 CONTROL UNIT** in the tail section of the motorcycle, securing with provided Velcro if necessary. Plug the main connector of the **QS4 HARNESS** into the control unit. Begin routing the harness along the right side of the motorcycle, all the way forward to the fornt of the motor.



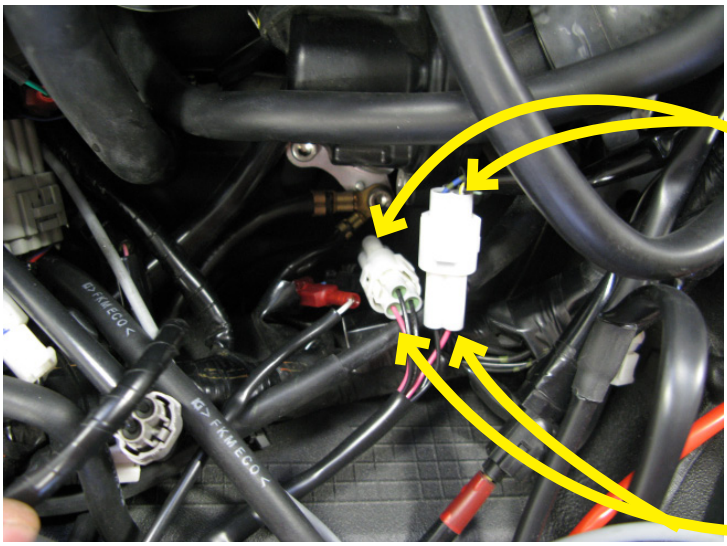
3. Locate the factory tail light connector in the left side of the tail section. Crimp a supplied scotchlok onto the middle blue wire of the factory tail light connector and insert the Bazzaz **POWER** connector (orange label on lead) into the scotchlok.



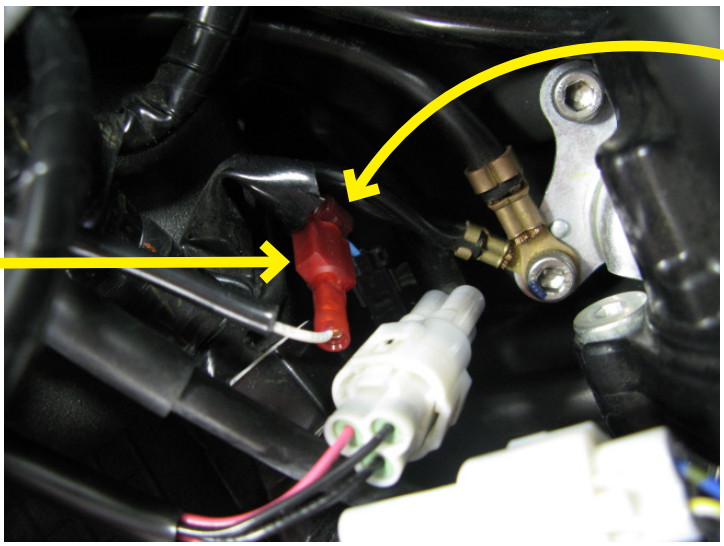
4. Next attach the Bazzaz **GROUND** lug to the battery negative terminal.



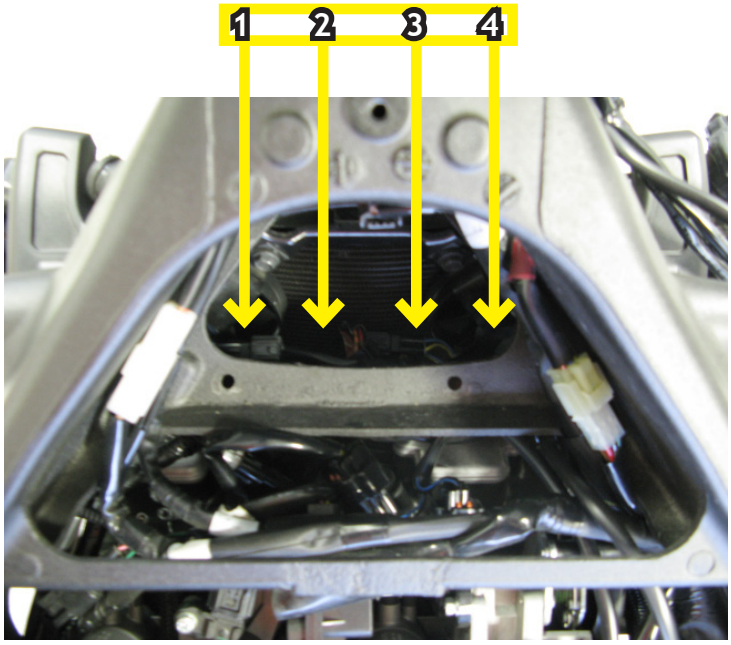
5. Locate the factory speed connectors at the rear of the engine compartment and disconnect. Plug the Bazzaz **SPEED** connectors in-line with the factory connectors.



6. Below the speed connectors you will find the factory neutral connector. Disconnect the factory neutral connector and trim the sheathing back to expose the wire; crimp a supplied scotchlok onto the exposed blue wire and insert the Bazzaz **NEUTRAL** connector into the scotchlok. Reconnect the factory connector.

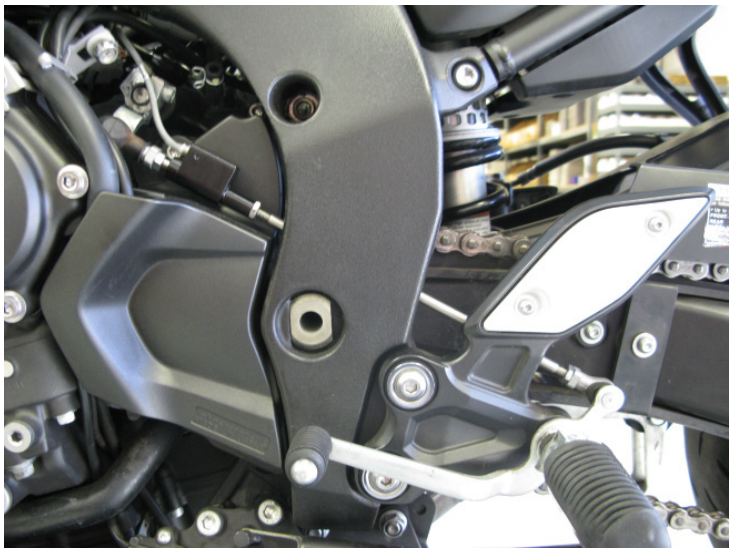


7. From **right** to **left**, unplug the factory coil connectors from the stick coils. Plug the Bazzaz **COIL** connectors in-line between the factory connectors and stick coils. Start with the Bazzaz coil connectors with the green wires.



8. In order to use reverse shift pattern, aftermarket rearsets must be used.

Now you will begin the installation of the **SHIFT SWITCH** by removing the factory shift rod. Next install the Bazzaz shift switch onto the front inkage, then install the supplied **SHIFT ROD** between the rear linkage and the shift switch. Adjust the foot pedal to preferred height and secure components by tightening the 10mm nuts. Now route the shift switch connector up to the mating connector on the Bazzaz QS4 harness.



1. In order to check that the system is installed correctly, download the Bazzaz Z-Fi Mapper software at bazzaz.net.
2. Plug the USB cable into the control unit and computer.
3. Locate and open the Z-Fi Mapper software.
4. Start the vehicle and begin to check that the following inputs read correctly on the fuel map page.
5. RPM - Make sure that the RPM is reading near what the vehicle is idling at.
6. GPS - The vehicle should read neutral (or whichever gear it is in). For motorcycles that use a Gear Position Sensor, the bike does not need to be running to do this. For motorcycles that use a speed sensor, the wheel must be spinning to read gear properly. This can be checked on a dynamometer or by using a rear stand. Use caution when testing componentry.

Also use software to:

- Save and load new quickshift maps
- View diagnostics for troubleshooting
- Change quickshift settings

If any problem is found, please carefully follow through the installation steps again.

If problem still persists, please contact Bazzaz tech support

- Factory support is available in the US at 909-597-8300.
- For fastest support outside of the US, find your local importer at bazzaz.net

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.