

INSTALLATION INSTRUCTIONS



UNLEASH.

THE SMARTEST PERFORMANCE TUNING TECHNOLOGY

QS4 USB

STAND-ALONE QUICKSHIFT

KAWASAKI Z800 2013 Q491S, Q491R

1 > READ

WARNINGS > INSTALLING



- We strongly suggest that an experienced technician install this product.
- Read through all instructions before beginning installation.
- This document is intended for use by qualified technicians.
- This is not a replacement for the factory Engine Control Unit (ECU).
- Refer to a factory service manual for more specific stock component identification/location information and removal/assembly procedures.

WARNINGS > USING



- 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 public lands.

GETTING HELP



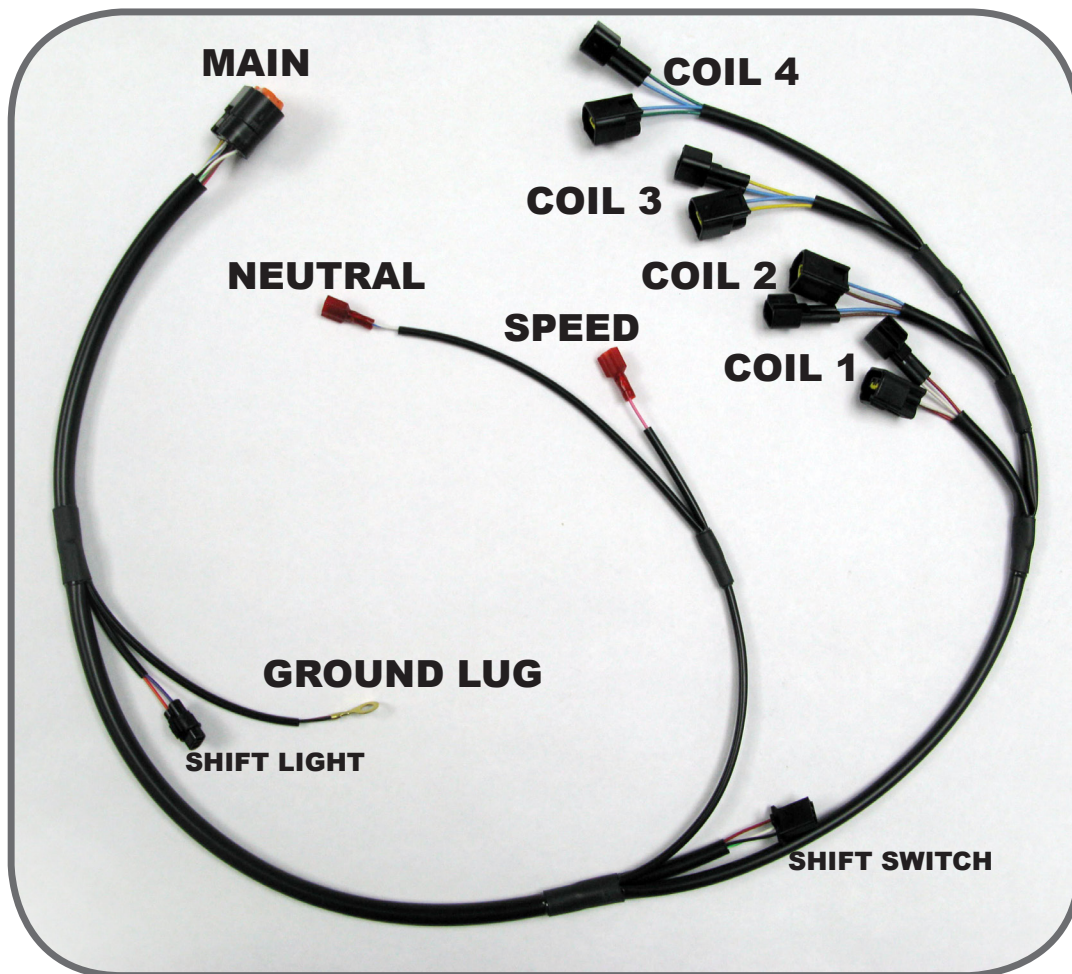
- Factory support is available in the US at 909-597-8300.
- For fastest support outside of the US, find your local importer at bazzaz.net.

2>IDENTIFY

INCLUDED PARTS

1. QS4 control unit
2. QS4 harness
3. Shift Switch and mounting hardware
4. USB cable
5. Scotchlok (2)
6. Zip ties
7. Velcro

QS4 HARNESS



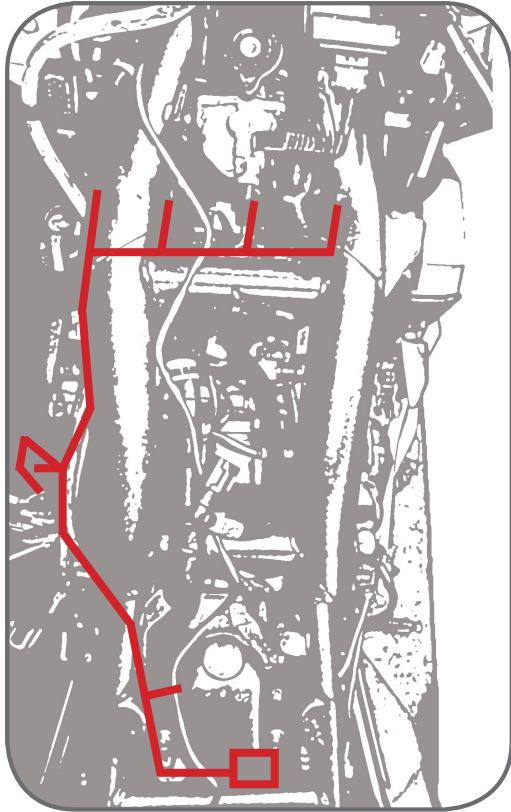
3>REMOVE

1. Seats
2. Fuel tank
3. Side panels

4>SECURE

1. Mount the control unit next to the battery.

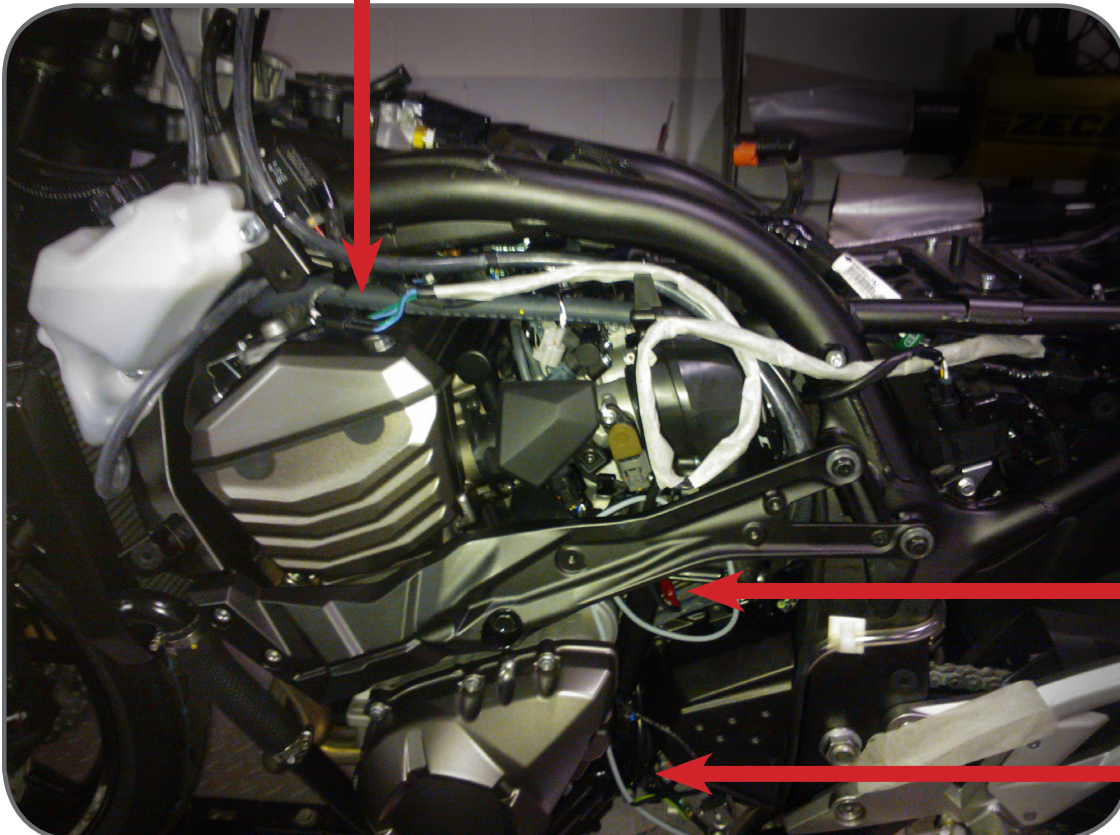
5 > CONNECT



5.1

1. Connect the main connector of the Bazzaz fuel harness to the control unit.
2. Begin to route the harness forward, on the left side of the motorcycle.

COILS



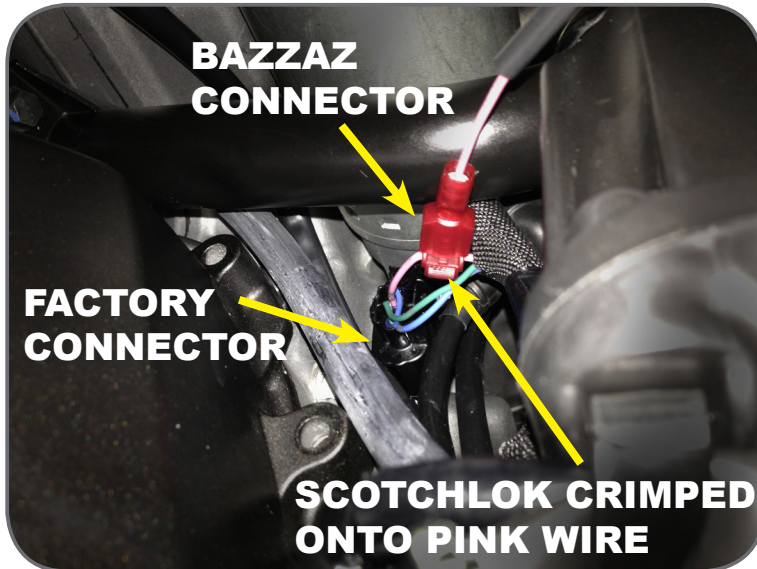
SPEED

NEUTRAL

5>CONNECT (CONT.)

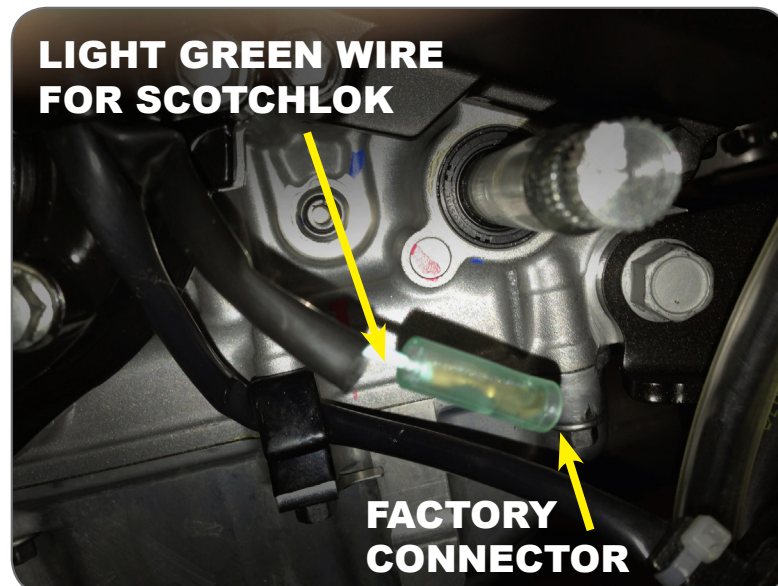
5.2

1. Locate the factory speed sensor, found above the front sprocket cover.
2. Crimp a supplied Scotchlok onto the **pink** wire of the factory speed sensor connector.
3. Insert the Bazzaz speed connector into the Scotchlok.



5.3

1. Locate the factory neutral sensor, found below the front sprocket cover.
2. Crimp a supplied Scotchlok onto the **light green** wire of the factory neutral connector.
3. Insert the Bazzaz neutral connector in the Scotchlok (not shown in photo below).

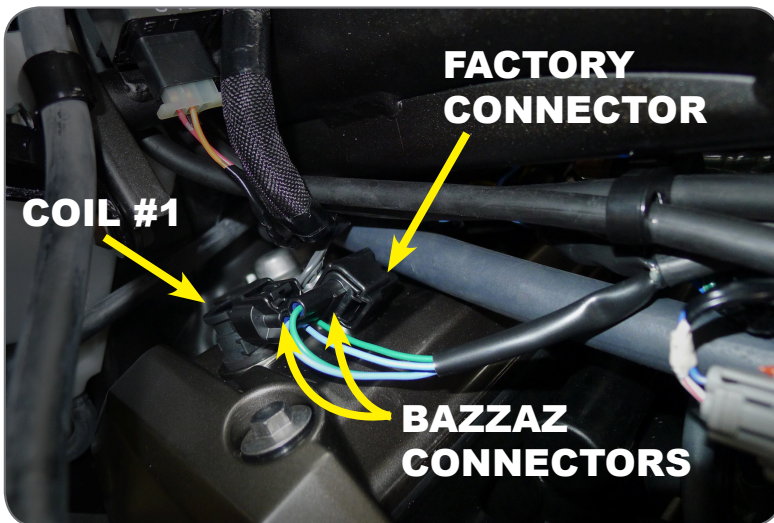


6>GROUND

1. Attach the Bazzaz ground lug to a suitable chassis ground.

7>CONNECT

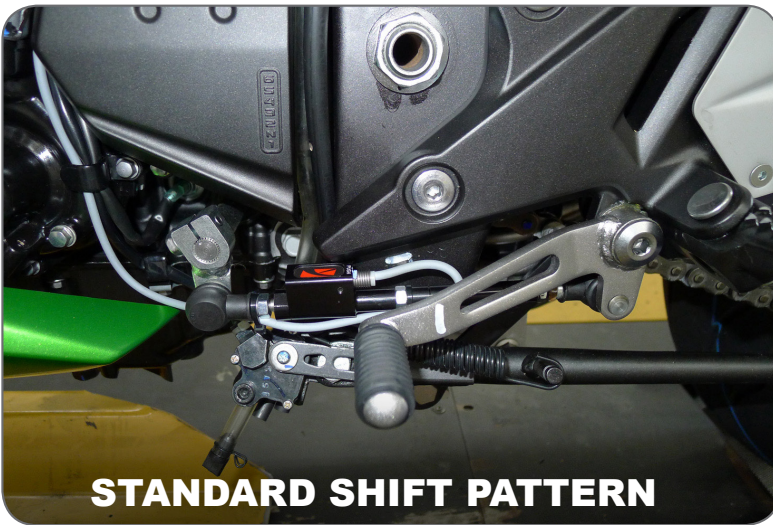
1. Locate the factory coils.
2. From right to left, disconnect the factory coil connectors from each coil.
3. Connect the Bazzaz coil connectors in-line between the factory connectors and coils.



*Photo shown is the installation on coil #1.
Continue procedure on coils #2 through 4.*

8>QUICKSHIFT

1. Remove the factory shift rod from the motorcycle's shift linkage.
2. Install the supplied shift switch onto the heim joint, connected to the shift shaft of the engine.
3. Install the supplied shift rod between the shift switch and rear heim joint, connected to the rear set.
4. Adjust the foot pedal to the preferred height and secure components by tightening the 10mm nuts (Bazzaz shift rods are manufactured to fit multiple applications and can be cut at 10mm intervals on either end to shorten for proper positioning).
5. Route the Bazzaz shift switch connector to the mating connector of the Bazzaz coil harness and plug in-line.



9>SECURE



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).

10>CHECK



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.
 - RPM - Make sure that the RPM is reading near what the vehicle is idling at.
 - 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

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11>REINSTALL

After it is determined that everything is correct, reinstall the components removed in step 3.

12>NEXT LEVEL

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.



>NOTES

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Proudly made in the
United States

Q491S, Q491R