

INSTALLATION INSTRUCTIONS



UNLEASH.

THE SMARTEST PERFORMANCE TUNING TECHNOLOGY

QS4 USB STAND ALONE QUICK SHIFT

**YAMAHA YZF R1 | 2015
Q746**

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 highways.

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.

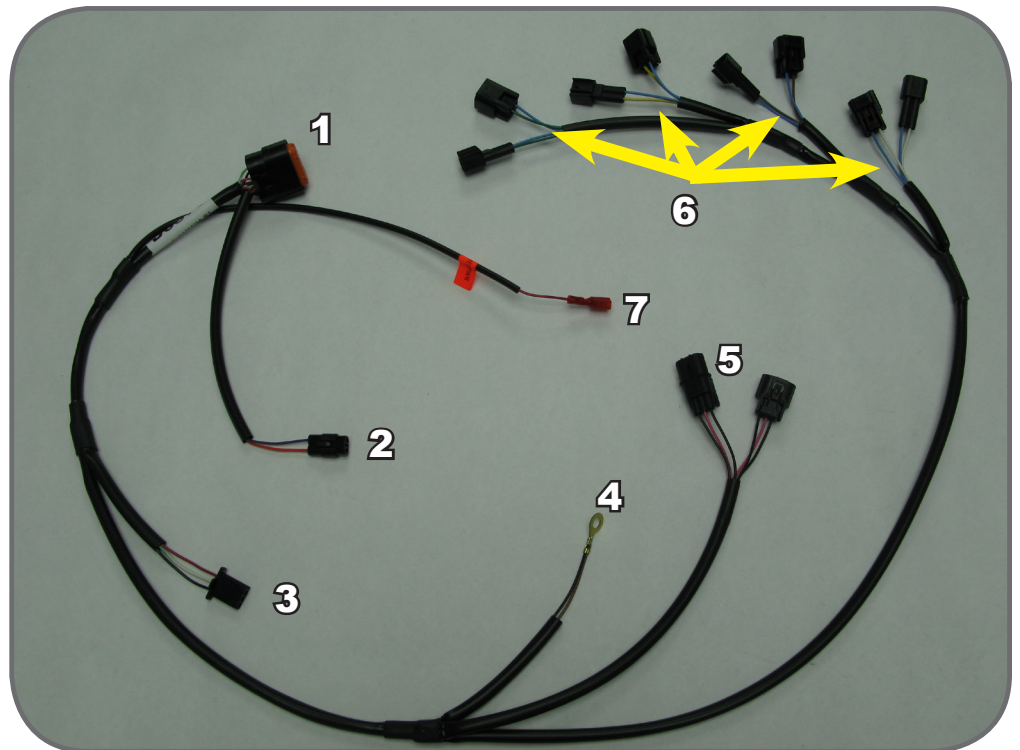
2>IDENTIFY

INCLUDED PARTS

1. QS4-USB control unit
2. QS4 harness
3. Shift Switch and mounting hardware
4. USB cable
5. Scotchlok (1)
6. Velcro
7. Download Z-Mapper software from Bazzaz.net
8. Swingarm stickers

HARNESS

1. Main
2. QS Shift Light
3. Shift Switch
4. Ground
5. GPS
6. Coils
7. +12v Sw Power



3>REMOVE

1. Rider seat
2. Passenger seat
3. Fuel tank
4. Airbox
5. Left side fairing panel

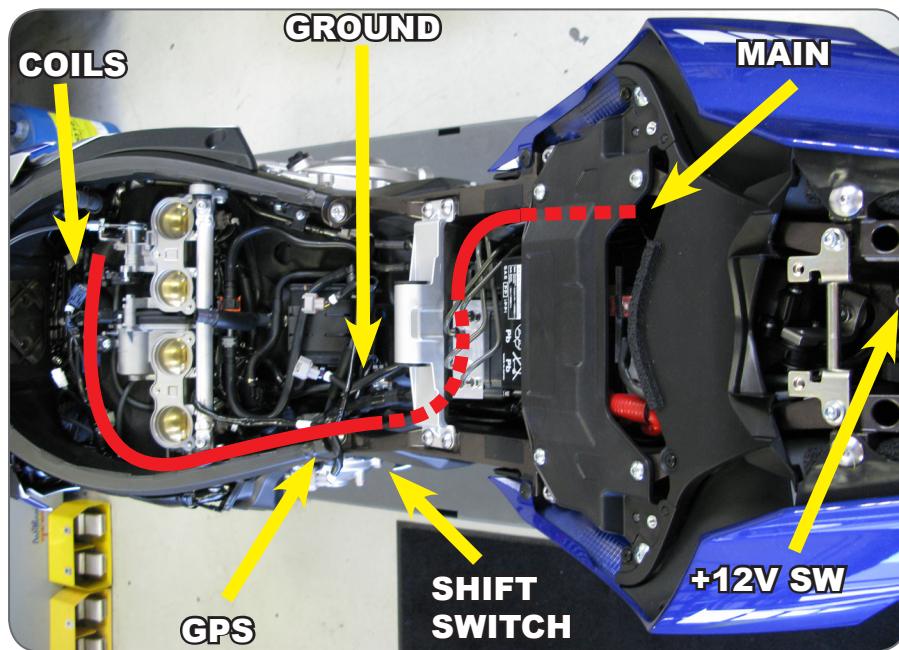
4>SECURE

1. Mount the Bazzaz control unit using the supplied Velcro to the inside of the right side fairing in the tail section.

5>CONNECT

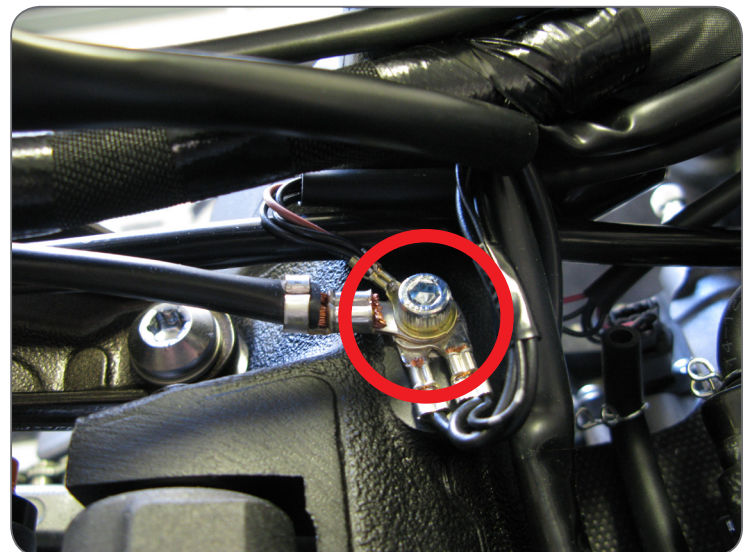
5.1

1. Connect the Bazzaz QS4 harness and begin to route the harness towards the front of the bike along the left side frame rail.



5.2

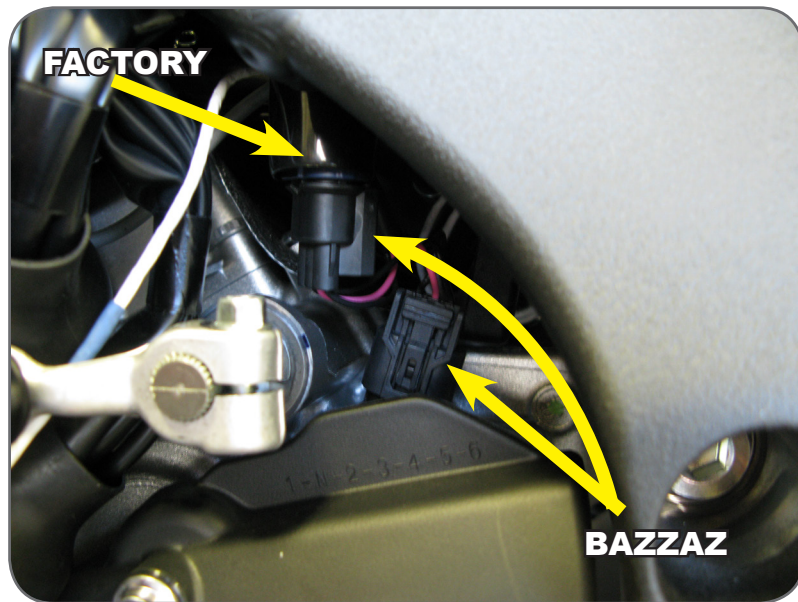
1. Locate the factory common ground, which can be found on the left hand side of the bike secured to the frame.
2. Install the Bazzaz ground lug and tighten the factory bolt.



5>CONNECT

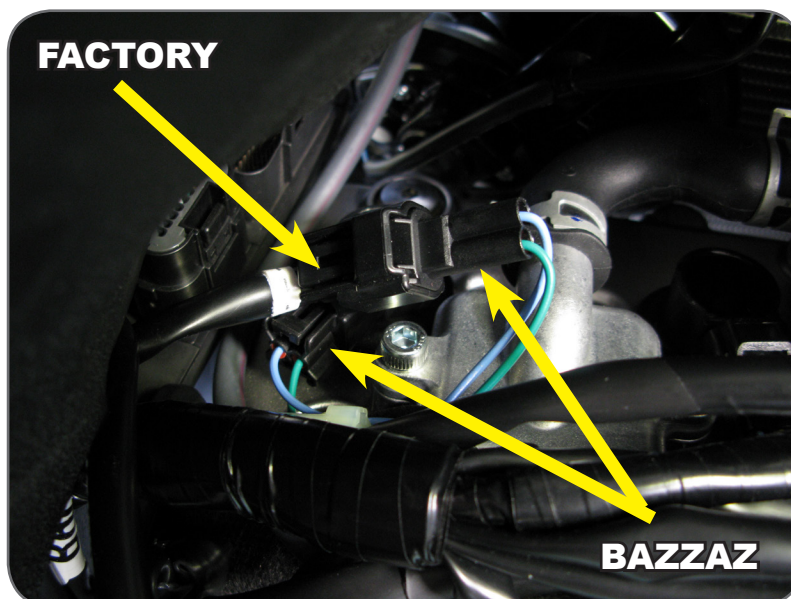
5.3

1. Locate the factory blue GPS, which can be found on the left hand side of the motor, just above the front sprocket cover. The factory GPS connector will have a black rubber boot over the connector.
2. Disconnect the factory GPS, and install the Bazzaz GPS connectors inline.



5.4

1. Route the remaining coil connectors to the top of the valve cover.
2. Locate the factory coils and coil connectors, and begin to install the Bazzaz coil connectors inline.
3. Repeat the previous steps for the remaining three coils working your way from left to right.



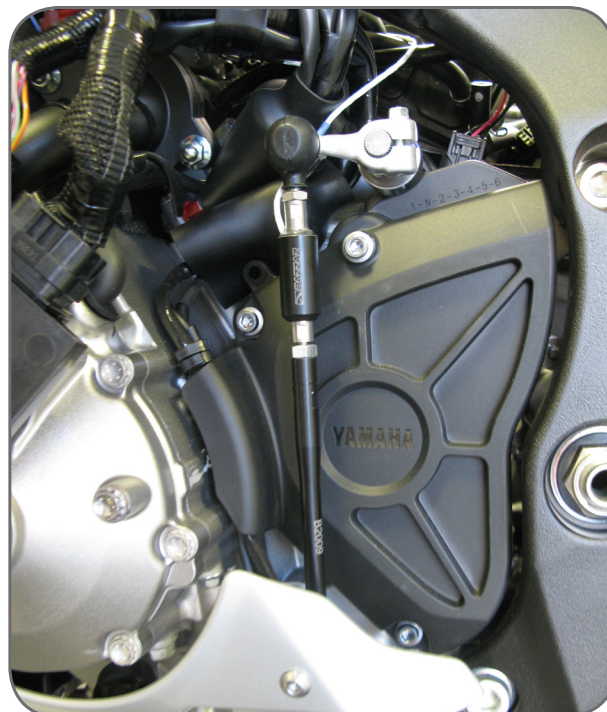
5>CONNECT

5.4

1. Locate the factory taillight connector, which can be found beneath the passenger seat.
2. Separate the factory blue/red wire, and use the supplied scotchlok to crimp onto the blue/red wire.
3. Connect the Bazzaz +12v switched power connector.

6>QUICKSHIFT

1. Measure and note your shift pedal height, so that you may reposition the shift pedal once complete.
2. Remove the factory shift rod and shift switch (You will need to disconnect the factory ABS connector at the main module when doing so to keep the bike from going into fail safe mode.)
3. Install the Bazzaz shift switch using one of the supplied allen stud bolts and tighten.
4. Next, install the Bazzaz shift rod. The shift rod may need to be cut to acquire your original shift pedal height.
5. Retighten all lock nuts on the shift linkage.



8>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).

9>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. Check that the pre-programmed map matches the model of your bike on the fuel map page within the software. You can switch from map 1 to map 2 by unplugging the map select jumper on the Bazzaz fuel harness. Map 1 will be pre-programmed; depending on your model, there may be a pre-programmed map in the map 2 slot. If map 2 is blank, stock ECU settings are used. Make sure that the jumper is left plugged in or unplugged, depending on which map you choose.
5. 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.
 - TPS - When throttle is applied, the TPS should read accordingly. Fly-by-wire models must be running to check TPS. Normal cable operated throttles can be checked with just the key on, not running.

Also use software to:

- View and/or make adjustments to fuel maps
- Activate Z-AFM self mapper (sold separately)
- Save and load new fuel maps
- Re-calibrate throttle position sensor after throttle modifications
- View diagnostics for troubleshooting
- Change quickshift settings
- Make traction control adjustments



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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10>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.





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Proudly made in the
United States

Q746