INSTALLATION INSTRUCTIONS

BAZZAZ

UNLEASH.

THE SMARTEST PERFORMANCE TUNING TECHNOLOGY

QS4 USB STANDALONE QUICK SHIFT

SUZUKI KATANA | 2020
Q693

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.

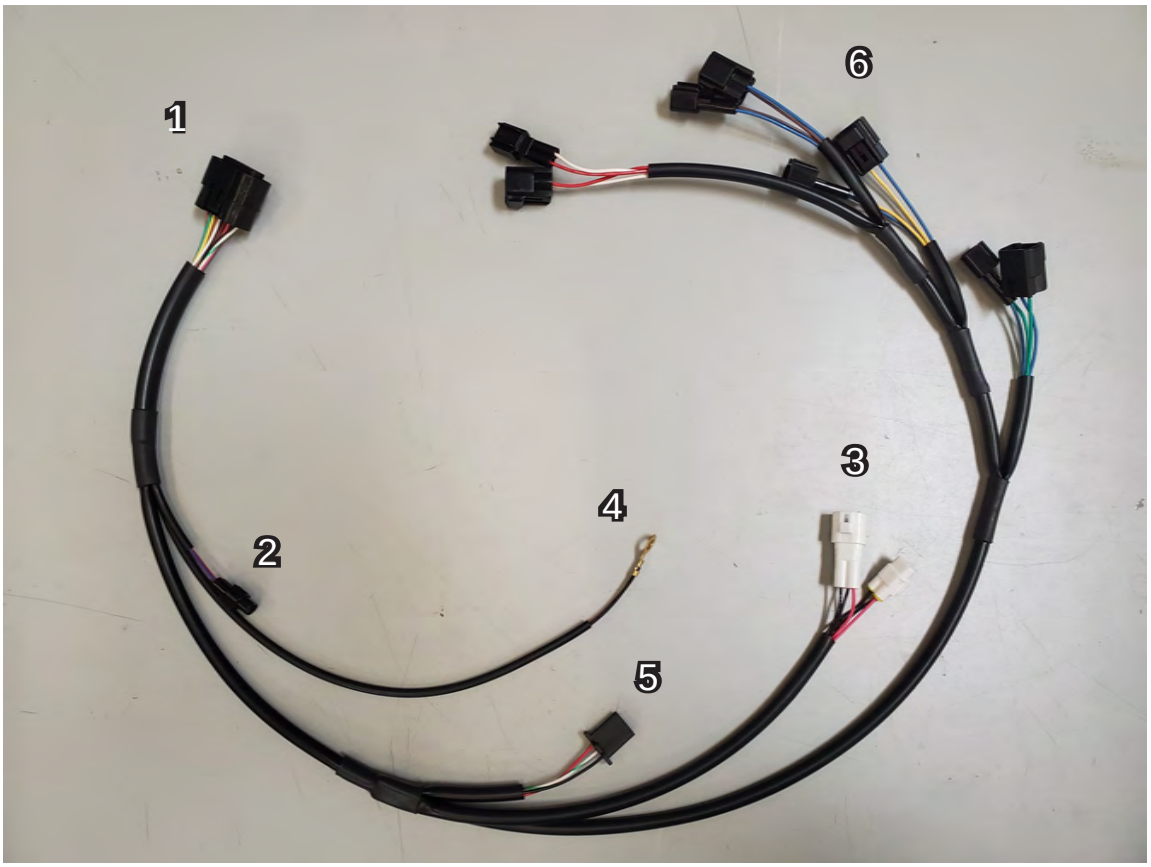
2>IDENTIFY

INCLUDED PARTS

1. QS4-USB control unit
2. QS4-USB harness
3. Shift Rod
4. Shift Switch
5. USB cable
6. Swingarm stickers
7. Velcro
8. Download Bazzaz software from bazzaz.net/index.php/software-overview

QS4-USB HARNESS

1. Main
2. Shift Light (Optional)
3. GPS
4. Ground
5. Shift Switch
6. Coils



3>REMOVE

1. Rider seat.
2. Passenger seat.
3. Both side fairings.
4. Fuel tank.
5. Air box.

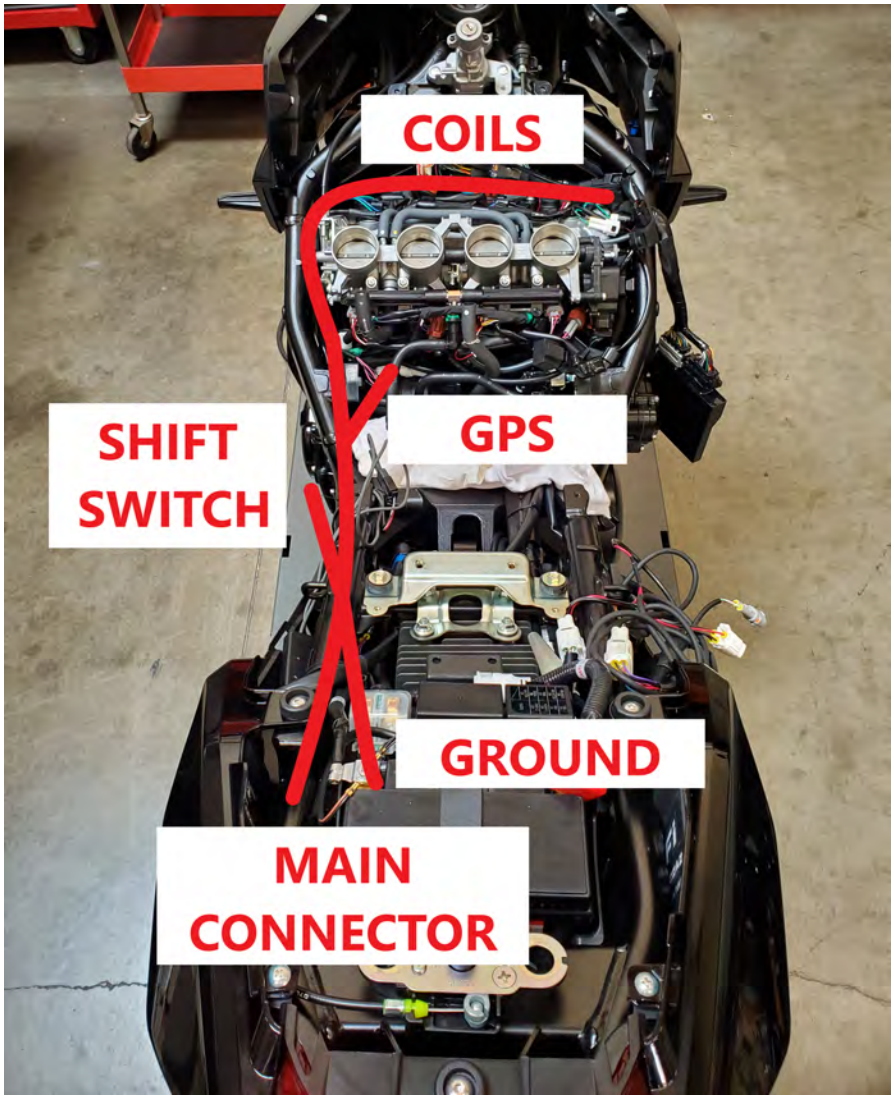
4>SECURE

1. Mount the Bazzaz control unit using the supplied Velcro near the sub frame in the left rear panel.

5>CONNECT

5.1

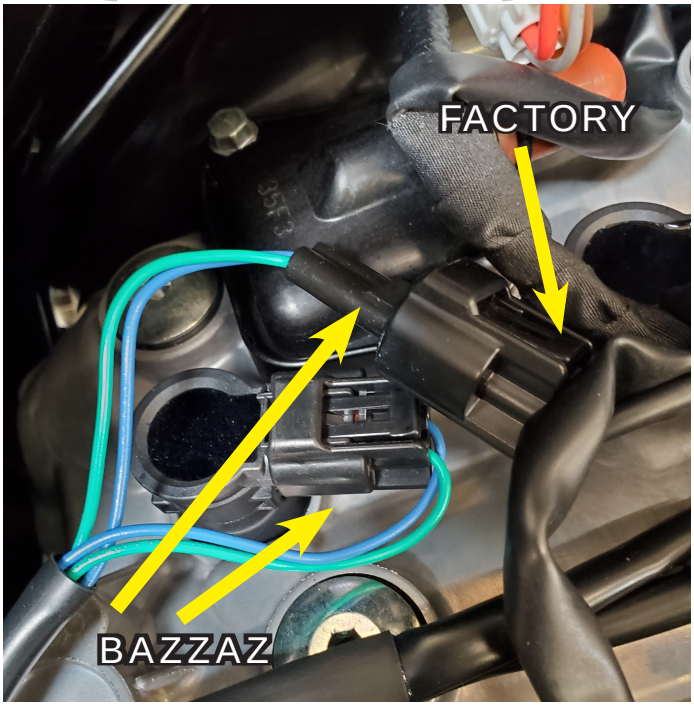
1. Connect the Bazzaz coil harness to the control unit and begin to route the harness along the left hand side of the bike towards the factory coils.



5>CONNECT (CONT.)

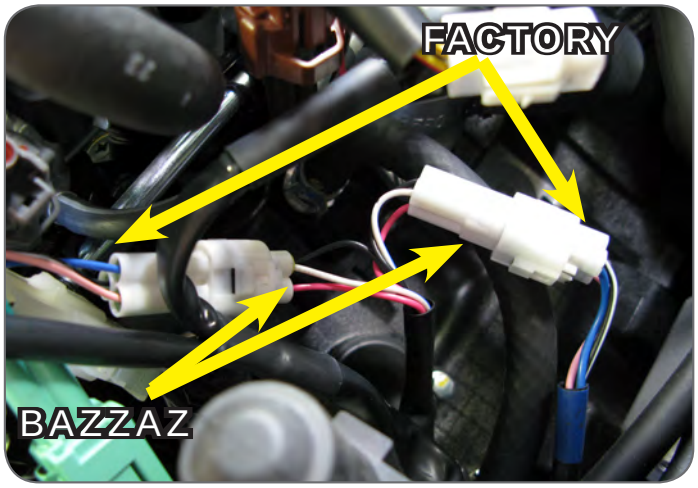
5.2

1. Begin to work your way from left to right installing the Bazzaz coil connectors in line with the factory harness.



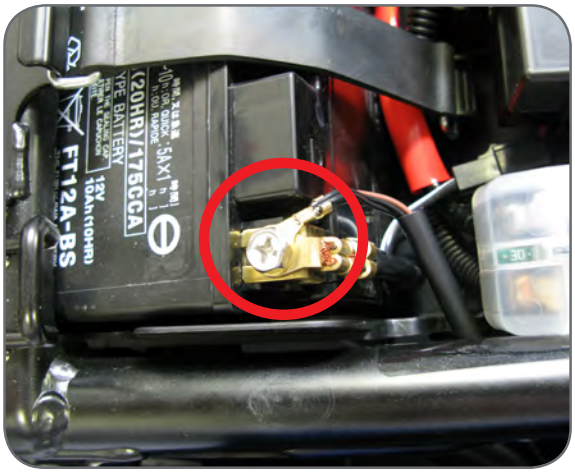
5.3

1. Locate the factory gear position connector, which can be found on the left hand side of the bike.
2. Disconnect the factory gear position connectors and install the Bazzaz gear position connectors inline.



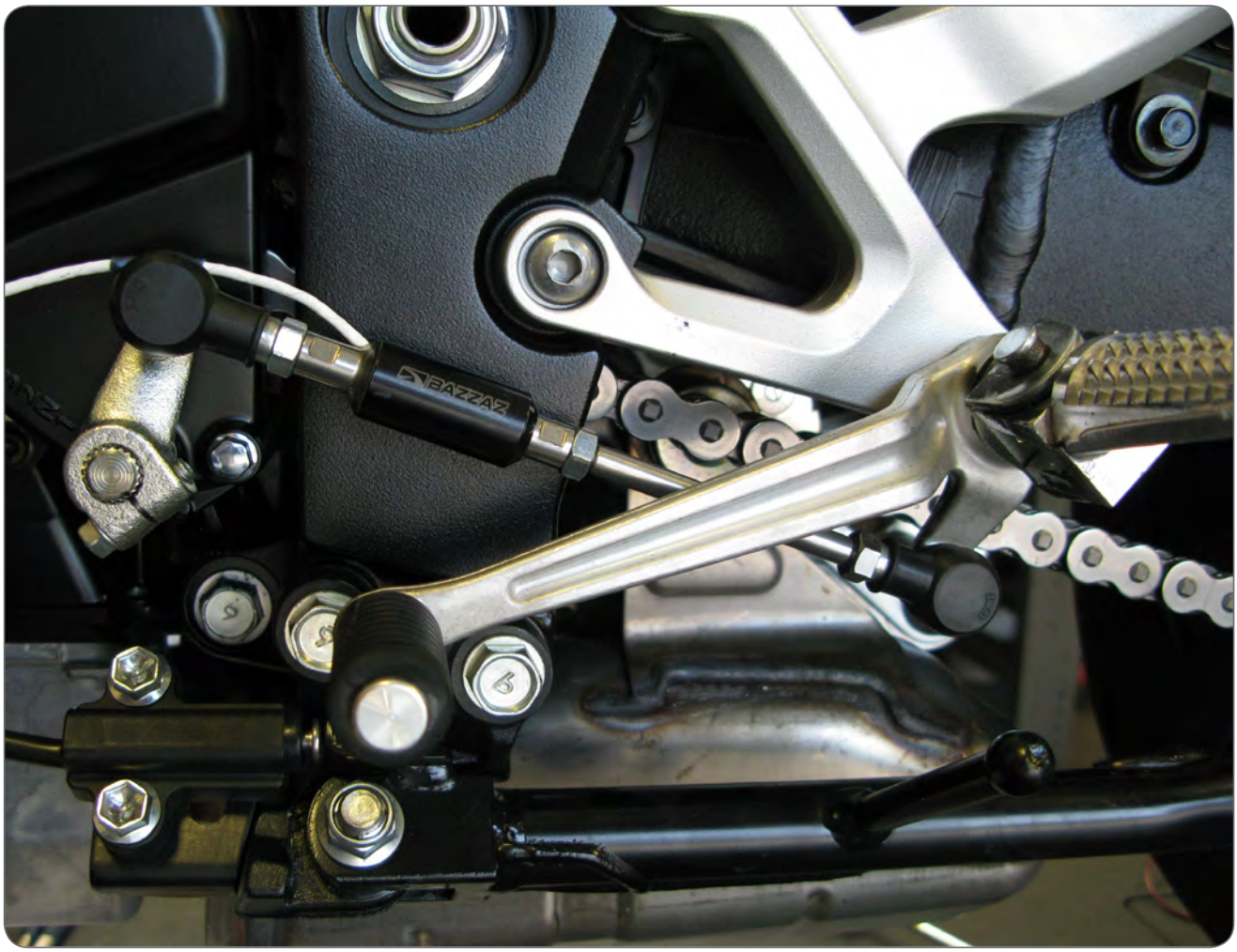
5.4

1. Locate the factory ground terminal on the battery and install the Bazzaz ground lug.



6>QUICKSHIFT

1. Measure and note your shift pedal height so you may reposition the shift pedal once complete.
2. Remove the factory shift rod and begin to install the Bazzaz shift switch using one of the supplied allen stud bolts and tighten.
3. Next begin to install the Bazzaz shift rod.
4. Ensure to retighten all lock nuts on the shift linkage



7>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).

8>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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9>REINSTALL

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

10>NEXT LEVEL

SHIFT LIGHT (Sold Separately)

Illuminates white to identify pre-determined, optimal shift points.

Used to improve forward drive and momentum for faster drag passes and lap times.

Comes pre-programmed with suggested values that can be easily adjusted as desired.

*For use with the QS4 USB stand-alone quick shift only.

$129.99

BAZZAZ

POWER • INJECTED

THE SMARTEST PERFORMANCE TUNING TECHNOLOGY

Proudly made in the
United States

Q693