INSTALLATION INSTRUCTIONS

BAZZAZ®

UNLEASH.

THE SMARTEST PERFORMANCE TUNING TECHNOLOGY

QS4 USB STANDALONE QUICK SHIFT

KTM 1290 SUPER DUKE R
Q592

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 Switch and mounting hardware
4. USB cable
5. Scotchlok (1)
6. Zip ties
7. Velcro
8. Download Z-Fi Mapper Software from Bazzaz.net
9. Swingarm stickers

HARNESS

1. Main
2. +12v Sw Power
3. Shift Switch
4. Black Coil Rear
5. White Coil Rear
6. Gear Position
7. Black Coil Front
8. White Coil Front
9. Ground
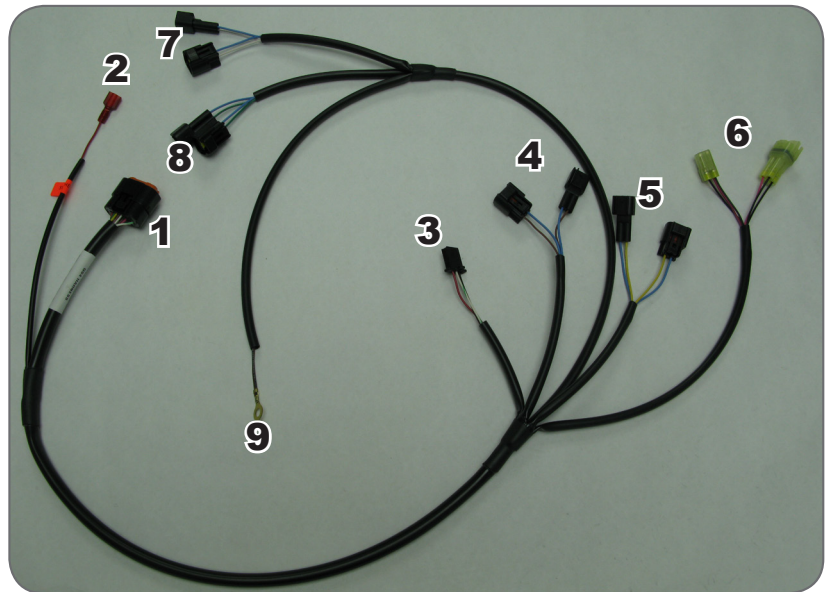
3>REMOVE

1. Rider and passenger seat.
2. Factory charcoal canister.
3. Fuel tank.
4. Airbox.

4>SECURE

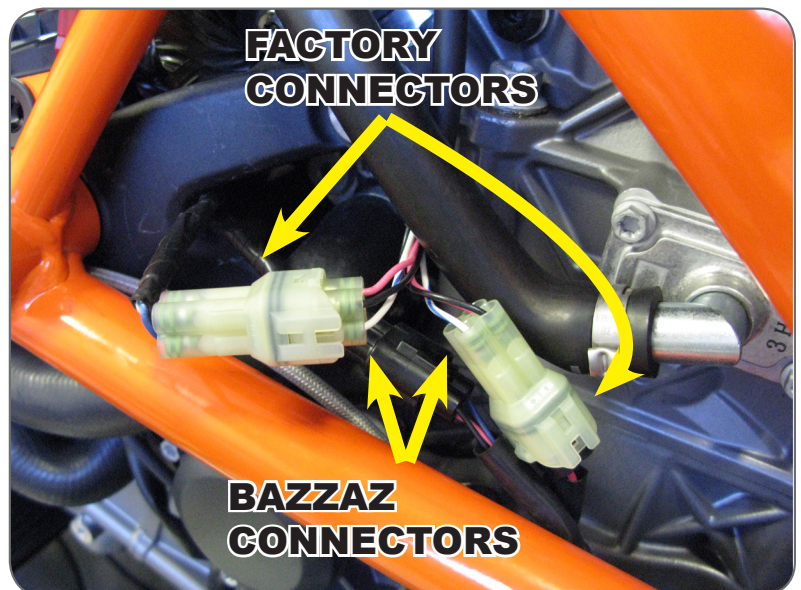1. Mount the control unit under the passenger seat in the tail section.

5>CONNECT
5.1

1. Connect the main connector of the Bazzaz fuel harness to the control unit.
2. Route the harness along the left hand side of the bike towards the engine compartment.
3. Route the Bazzaz harness lead for the GPS along the left hand side of the bike.
4. The remaining leads of the Bazzaz harness will be routed along the right hand side of the bike.

FRONT COILS
GROUND
+12V SW POWER
GEAR
REAR COILS
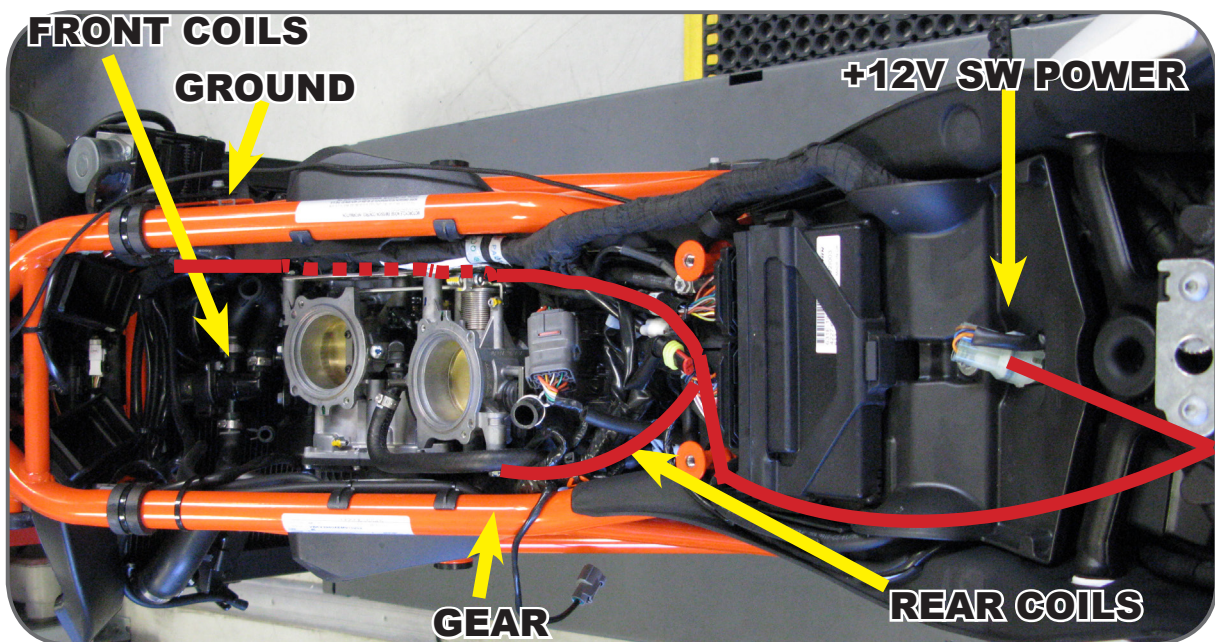
5.2

1. Locate the factory four pin gear position connectors.
2. Disconnect the factory gear position connectors.
3. Connect the Bazzaz gear position connectors inline.

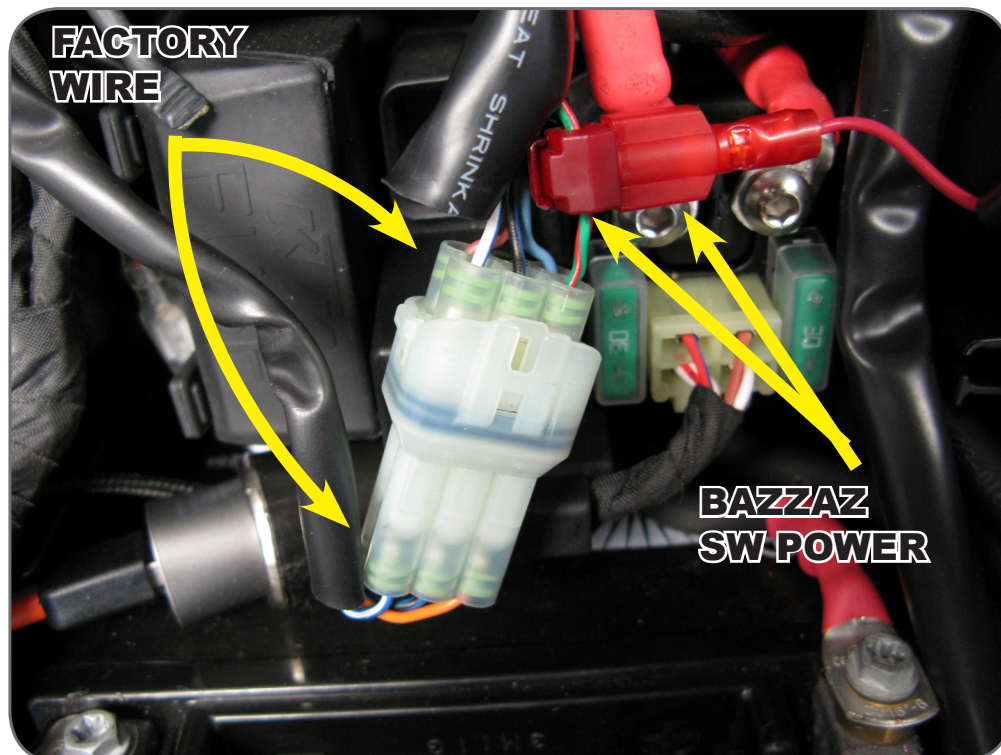
FACTORY CONNECTORS
BAZZAZ CONNECTORS

6>GROUND

1. Locate the factory 8mm ground bolt located on the right side of the frame, or an 8mm bolt on the motor.
2. Connect the Bazzaz ground lug.

FACTORY GROUND

BAZZAZ GROUND LUG
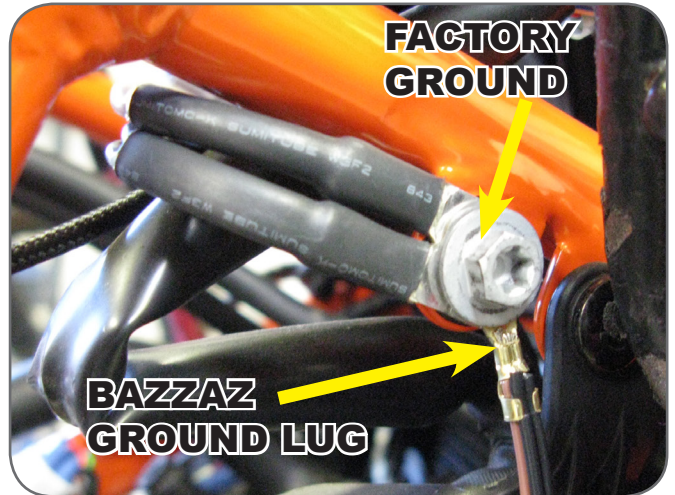
7>+12V SW POWER

1. Locate the factory diagnostic connector in the tail section of the bike.
2. Separate the factory green/red wire.
3. Use the supplied scotchlok to crimp onto the factory green/red wire.
4. Connect the Bazzaz +12v sw power connector.


FACTORY WIRE

BAZZAZ SW POWER

8>CONNECT

8.1

1. Connect the main connector of the Bazzaz coil harness to the control unit.
2. Route the harness down the right hand side of the bike towards the engine compartment.
3. Locate the rear cylinder coil connectors.
4. Disconnect the factory coil connectors, one at a time, and connect the Bazzaz connectors inline. The white coupler will have the Bazzaz yellow wire, and the factory black connector will receive the Bazzaz brown wire.
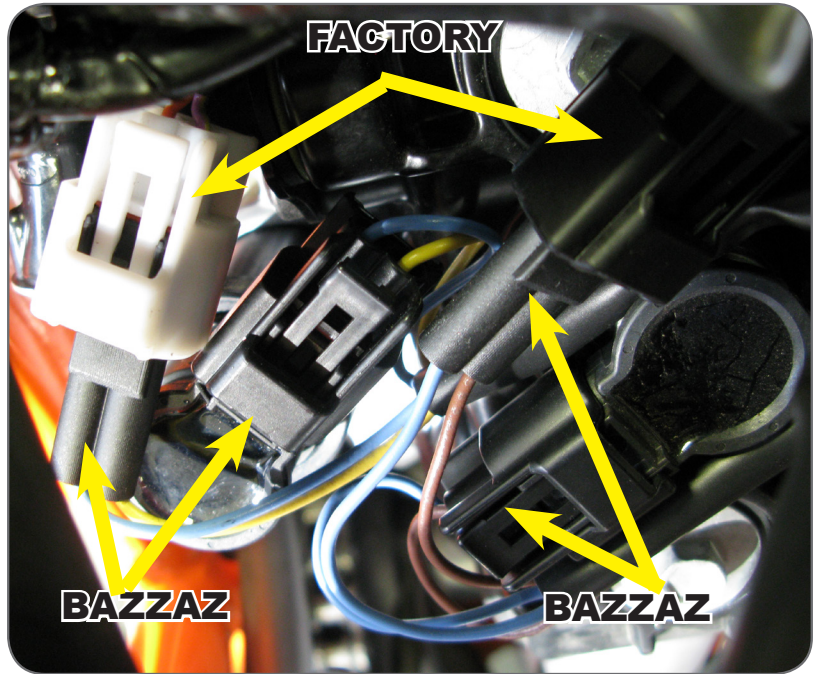

8.2

1. Route the Bazzaz coil harness toward the front cylinder.
2. Disconnect the factory coil connectors, one at a time, and connect the Bazzaz connectors inline. The white coupler will have the Bazzaz green wire, and the factory black connector will receive the Bazzaz white wire.
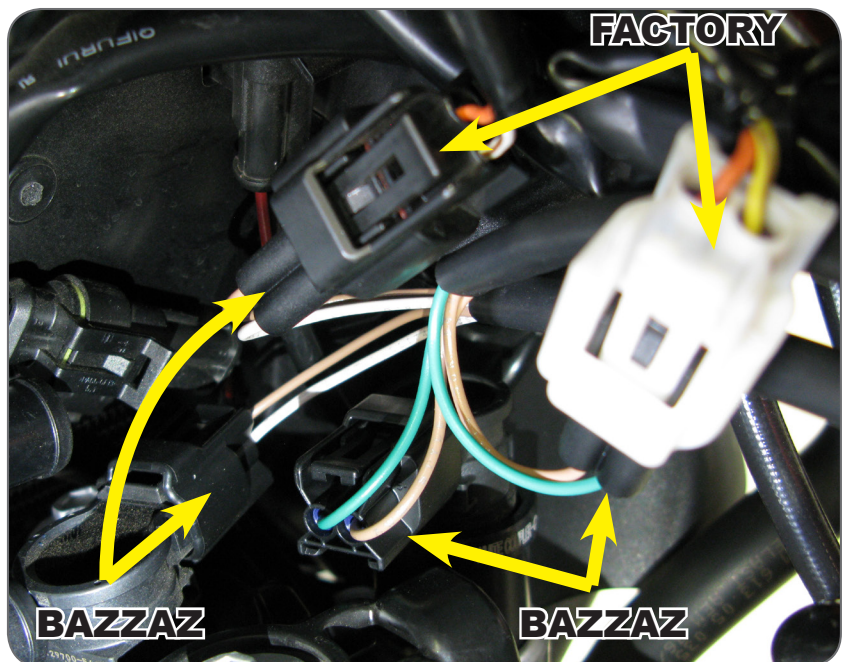
9>QUICKSHIFT

1. Measure and note your shift pedal height so you may reposition the shift pedal once installation is complete.
2. Remove the factory shift rod.
3. Install the Bazzaz shift switch using one of the suppllied allen stud bolts and tighten.
4. Install the Bazzaz shift rod. **Note: The Bazzaz shift rod may need to be cut to get your original shift pedal height.**
5. Retighten all lock nuts.
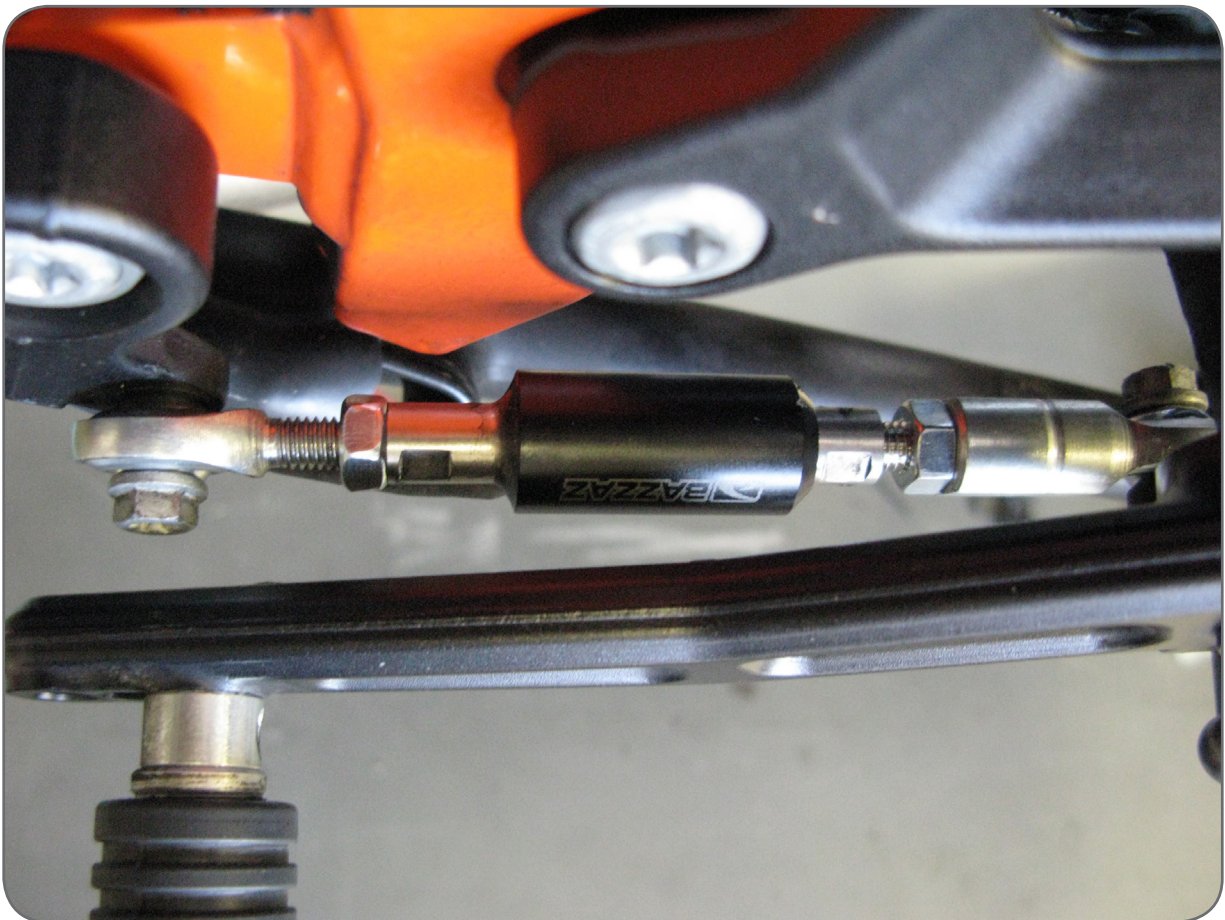
10>SECURE

⚠️ 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).

11>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..
- 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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12>REINSTALL

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

# 13>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

NOTES:

NOTES:

BAZZAZ

POWER · INJECTED
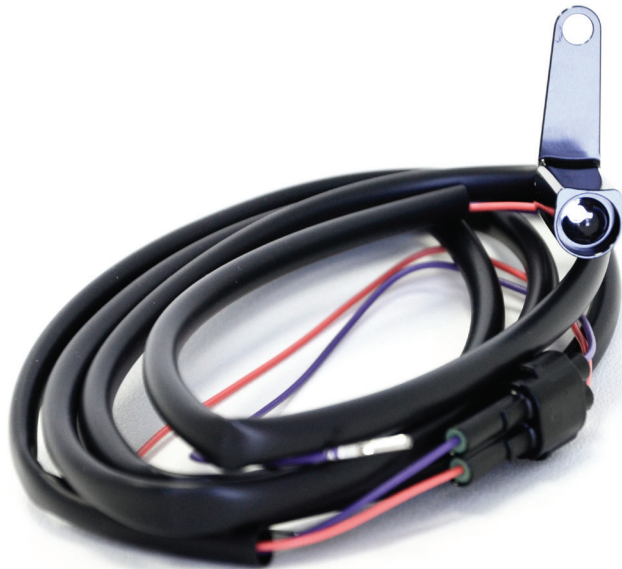
THE SMARTEST PERFORMANCE TUNING TECHNOLOGY

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United States

Q592