



DUCATI QS4USB INSTALLATION INSTRUCTIONS

848 (2008-2010)

1098 & 1098S (2007-2008)

1098R (2008-2009)

1198R (2010-2011)

1198 & 1198S & 1198SP (2009-2011)

Streetfighter (2010-2013)

848 Evo (2011-2013)

P/N's Q140S, Q140R

WARNING!

USE ONLY IN RACE OR OTHER CLOSED COURSE APPLICATIONS AND NEVER ON
PUBLIC ROADS

CONTROL UNIT

COIL HARNESS

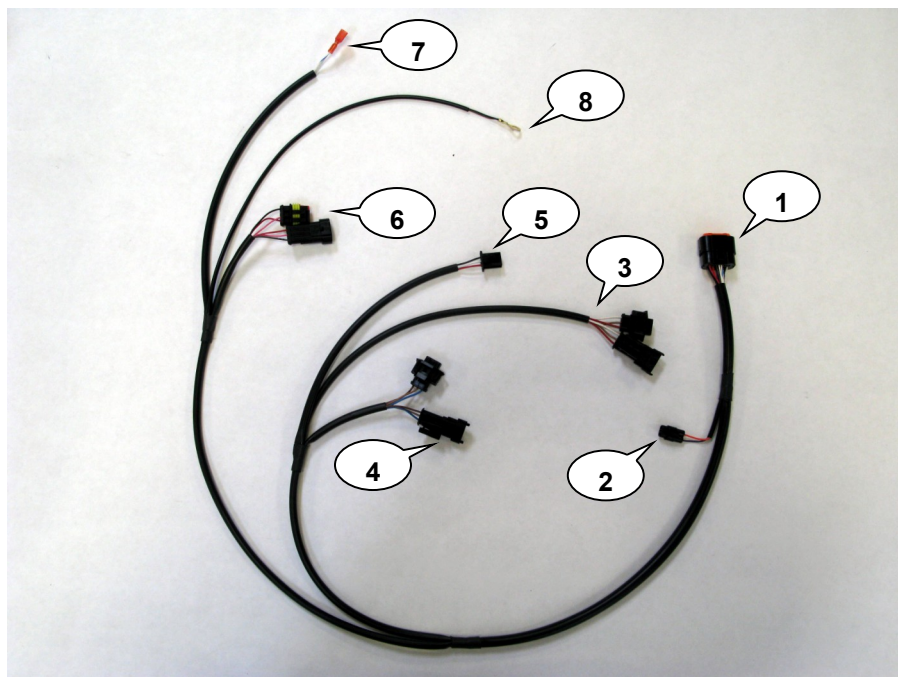
SHIFT SWITCH & MOUNTING HARDWARE

DOWNLOAD Z-FI MAPPER SOFTWARE & ITS INSTRUCTIONS FROM WEBSITE

USB CABLE

SCOTCHLOK

SWINGARM STICKERS



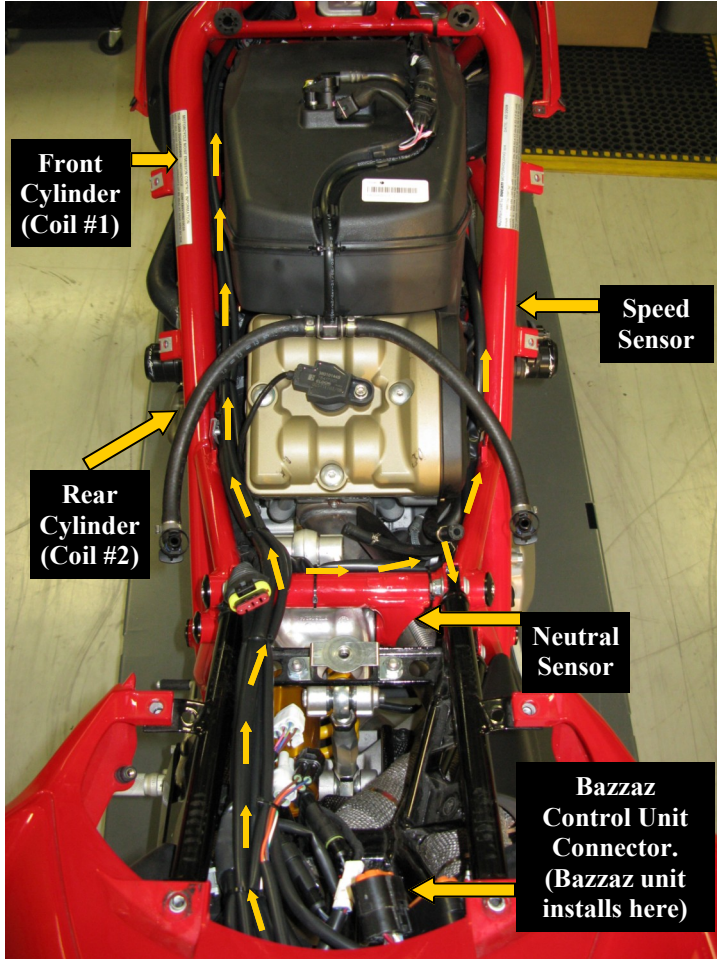
- (1) Main Connector
- (2) Shift Light
- (3) Cylinder #1 Coil (Front)
- (4) Cylinder #2 Coil (Rear)
- (5) Shift Switch Connector
- (6) Speed Sensor
- (7) Neutral Detect
- (8) Ground Lug

Read through all instructions before beginning installation.

This document is intended for use by qualified technicians. For more specific stock component identification and location information refer to a factory service manual.

**WE STRONGLY SUGGEST THAT AN EXPERIENCED TECHNICIAN
INSTALL THIS BAZZAZ PRODUCT**

1. Remove following components: Rider seat, tank side panels and fuel tank. (Photo 1)



Note:

Photo #1 serves as a reference for the general location of component connectors that are required to be accessed throughout the installation. Please refer to your service manual for exact component locations.

Recommended Bazzaz harness routing shown with yellow arrows

Photo 1

2. Place the QS4USB unit under the seat and secure it to the sub frame with supplied cable ties. Connect main connector of the Bazzaz harness to the QS4USB unit. Route the Bazzaz harness containing the front / rear coil connectors and shift connectors on the left side of the bike. The remaining portion of the harness containing the speed and neutral connectors will go down the right side of the bike. (Photo 1)
3. Locate the front and rear cylinder coil connectors which can be found along the inside left frame rail and install the Bazzaz coil connectors inline. (Photo 2)

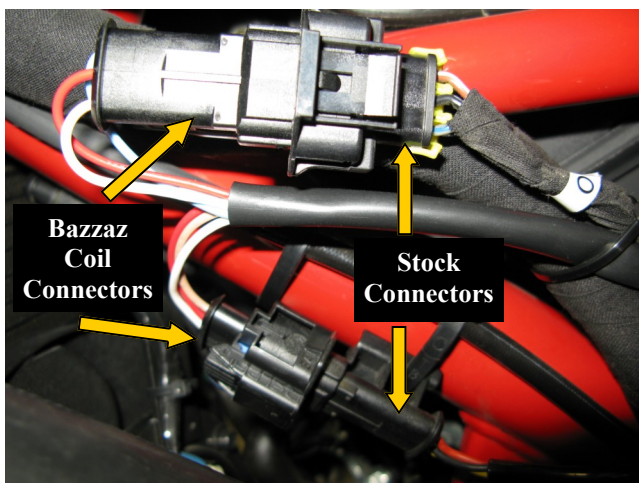


Photo 2

4. Locate the Neutral Sensor Connector found in the rear engine case. Using the supplied scotchlok connector crimp onto the stock neutral wire. Insert the T-Tap connector attached to white/blue wire on Bazzaz harness into the scotchlok connector. (Photo 3)



Photo 3

5. Locate the Speed Sensor connectors which can be found inside the right frame rail. Install corresponding Bazzaz connectors inline with the stock sensor and stock harness connectors. (Photo 4)

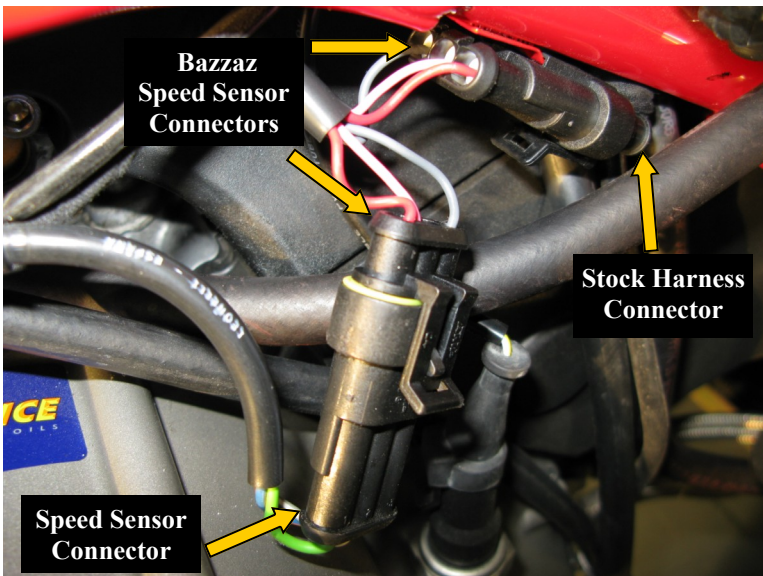


Photo 4

6. Attach the Bazzaz ground lug to a suitable chassis ground. (Photo 5)

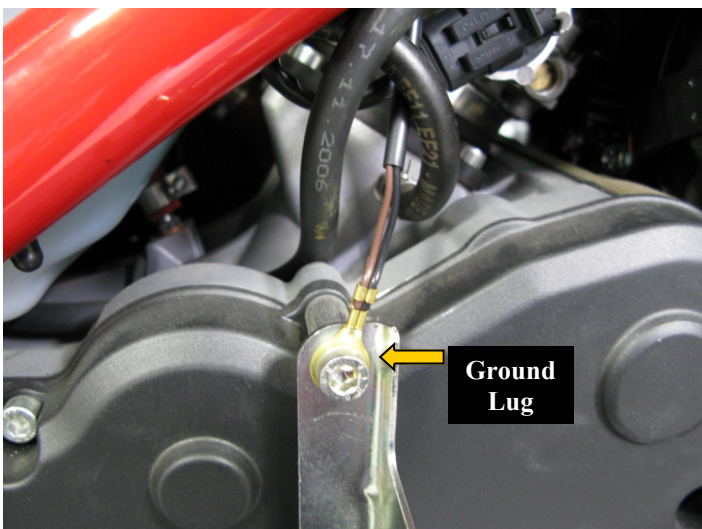


Photo 5

7. Install the Quick shifter. (Photo 6)

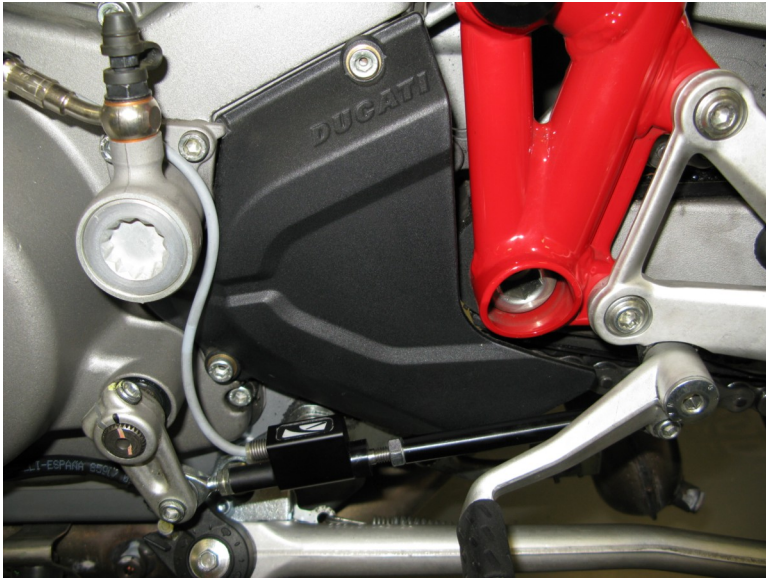


Photo 6

- A) Remove the stock shift rod.
- B) In place of the stock rod, install the Bazzaz shift switch on the front shift linkage.
- C) Install the supplied replacement shift rod by screwing it into place between the Bazzaz shift switch and rear shift linkage (you may need to reduce the length of the rod which can easily be done by cutting it at one of the grooves every 10mm).
- D) Secure components by tightening 10mm nuts.
- E) Route shift switch sensor cable into engine compartment and connect it with mating connector on the Bazzaz coil harness. Secure shift switch cable away from any moving components as damage to the cable may cause shift switch sensor failure.

8. Reinstall fuel tank and start bike to verify proper installation; once proper installation is confirmed install the Bazzaz software supplied with your kit. For accurate operation the proper gear signals must now be calibrated into the Bazzaz QS4USB control unit. This calibration must be performed with the clutch fully engaged and the engine above 3000 RPM, making it necessary to use a dyno or rear stand. Exercise extreme caution when using a rear stand as the bike may fall off the stand. First connect your PC to the Bazzaz controller via the USB cable supplied with the kit and start the software. Click the diagnostic tab at the top of the screen to gain access to the gear calibration feature. Start the motorcycle, place it in 1st gear, release the clutch, hold the RPM's steady at 3000 RPM or greater with the rear wheel turning and click the LEARN 1 BUTTON. Wait momentarily while the mapper calibrates for 1st gear. Then shift into second gear, release the clutch, hold the RPM's steady at 3000 RPM or greater with the rear wheel turning and click the LEARN 2 BUTTON. Wait momentarily while the mapper calibrates for 2nd gear. Continue this procedure for each gear through 6th gear.

The gear dependant kill times and shift light RPM activation settings are also adjusted via the Bazzaz software in the Quickshift tab.

9. For any problems or questions please call Bazzaz tech support at 909-579-8300. Reinstall rider seat and tank side panels once it is determined the installation is complete.