QS4USB INSTALLATION INSTRUCTIONS
2009-2013 Aprilia RSV4 FACTORY / RSV4R
PN's Q940S, Q940R

<div style="border:3px solid red;">

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

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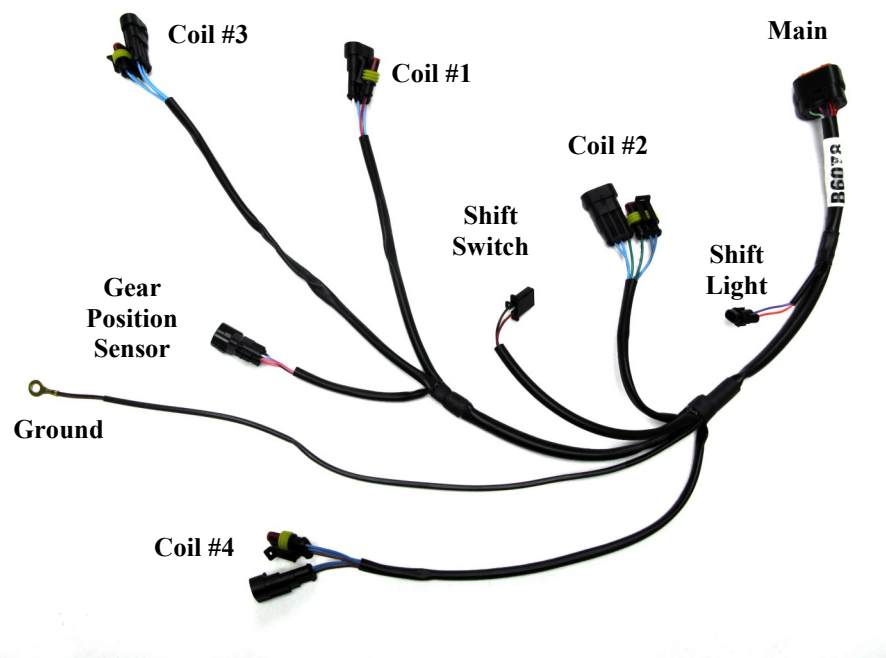
PARTS LIST:
QS4USB Control Unit
Bazzaz Harness
Shift Switch
DOWNLOAD Z-FI MAPPER SOFTWARE & ITS INSTRUCTIONS FROM WEBSITE
USB Cable
Velcro
Bazzaz stickers
Cable ties

Read through all instructions before beginning installation. If any problem is found, please carefully follow through the installation steps again. If problem still persists, please call Bazzaz tech support department at (909) 597-8300.

1. Remove following components: Seat, fuel tank, left side fairing, air box.

2. Locate the throttle control unit, found bolted to the front left frame spar near the radiator. Remove the mounting hardware and install the Bazzaz control unit mounting bracket over the throttle control unit. Secure by reinstalling the existing hardware. Attach supplied velcro to the back side of the control unit and also the mounting bracket to secure the control unit within the mounting bracket. (Photo 1)
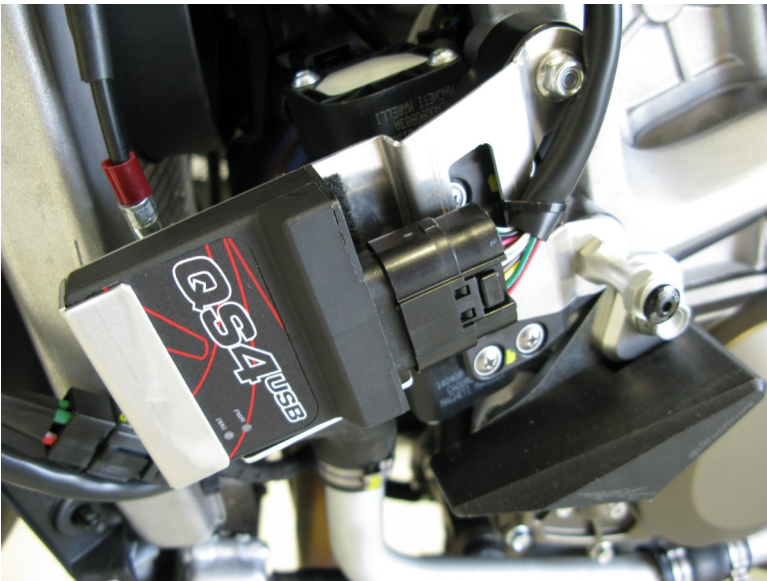

Photo 1

3. To properly route the harness and gain access to coil connectors for the front two cylinders the air box must be removed. See your service manual for air box removal instructions. Once the air box has been removed route the Bazzaz harness through the engine compartment in front of the engine down to the control unit mounted in the bracket on the frame. Connect the harness to the control unit, and secure the harness using supplied cable ties. Be sure to secure the harness away from any hot or moving components that may cause damage to the harness. (Photo 2)
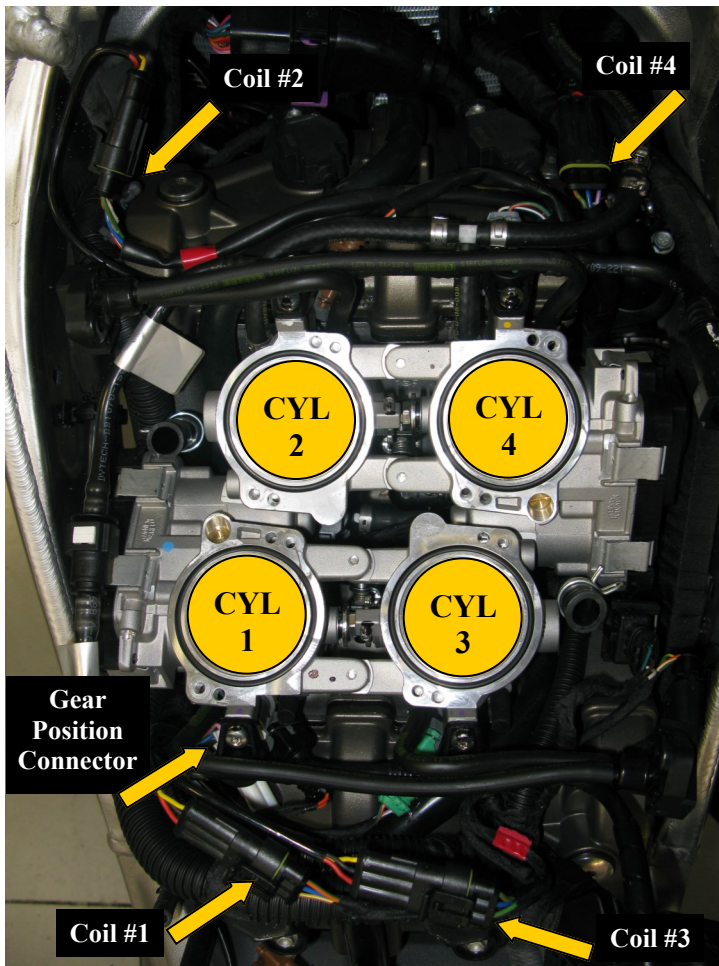
Photo 2

Cylinder and component identification

4. Route the remaining harness inside of the left frame spar. With the air box removed, connect the Bazzaz harness inline with the corresponding coils for the front two cylinders. Once these connections have been made, secure the harness routing neatly with cable ties and reinstall the air box. (Photo 3)
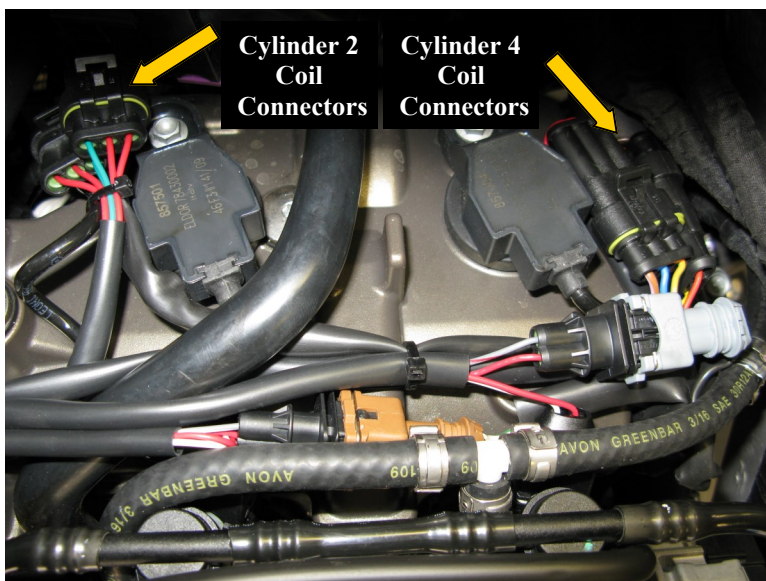

Photo 3

5. Connect the mating Bazzaz connectors inline with the rear cylinder and coils. (Photo 4)

Bazzaz
Coil
Cylinder 1

Stock
Coil
Cylinder 1

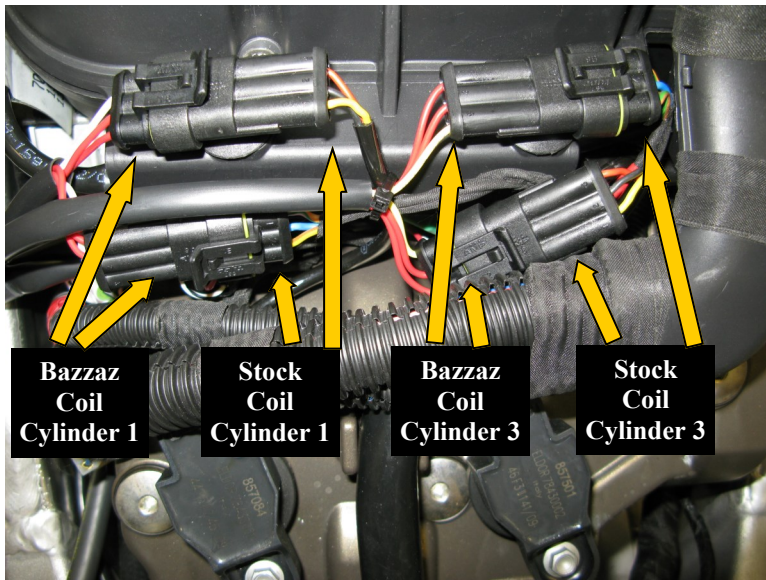Bazzaz
Coil
Cylinder 3

Stock
Coil
Cylinder 3

Photo 4

6. Locate the Gear Position Sensor connectors found between the left side frame spar and the left rear cylinder head. Connect the mating Bazzaz connectors inline with the sensor and stock harness connectors. (Photo 5)
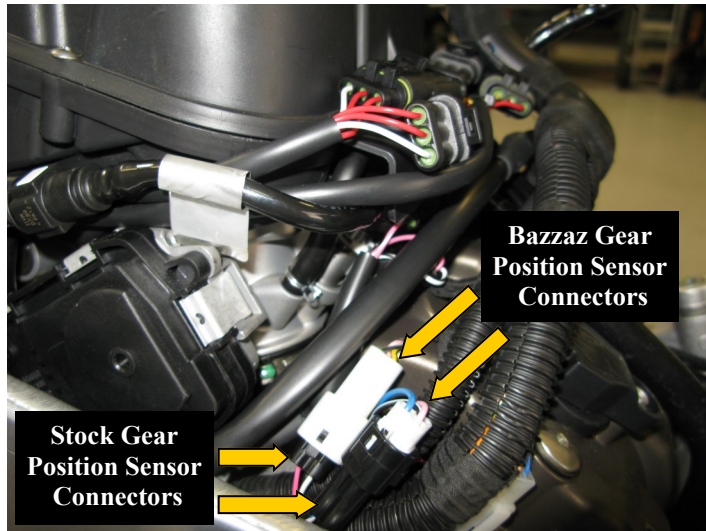

Bazzaz Gear
Position Sensor
Connectors

Stock Gear
Position Sensor
Connectors

Photo 5

7. Route the ground lug lead of the Bazzaz harness between the frame and engine and connect it to the countershaft sprocket cover using the existing mounting hardware. (Photo 6) Note: Any solid chassis ground may be used for mounting the ground lug.
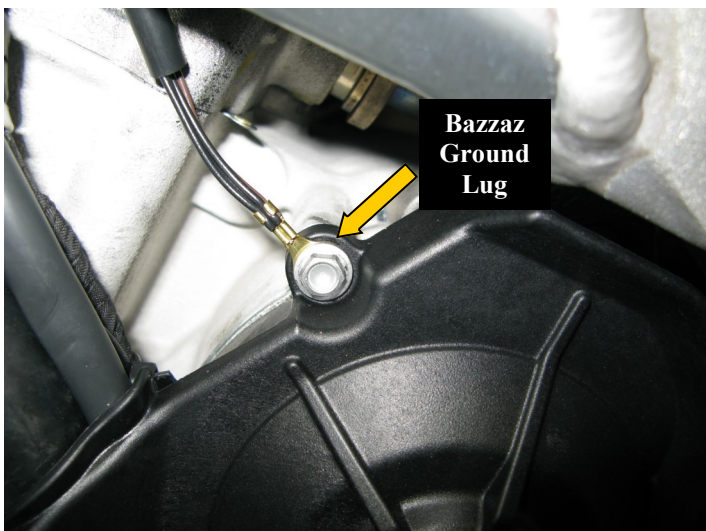

Bazzaz
Ground
Lug

Photo 6

9. The stock gear lever is not equipped with a shift linkage / rod. The Bazzaz shift switch installation requires the use of after market rear sets for this application. First install the Bazzaz shift switch followed by the replacement shift rod supplied with the kit. Adjust the combined length of these components to allow for complete actuation of the shift shaft and also maintain a comfortable riding position. Once the desired length is established tighten the 10mm nuts to secure the switch and rod in place. Route the wiring lead of the shift switch sensor into the engine compartment and connect it with the mating connector on the Bazzaz harness. Secure any excess wiring length away from any hot or moving components on the bike, as contact with these components may cause damage or failure to the sensor. (Photo 8)

Notes: (1) The female end of Bazzaz shift switches are cross tapped to allow them to be mounted to either the rear set or shift shaft heim joint regardless of the thread design. (2) If the replacement rod supplied with your kit contains female style ends, it is design to allow the user to shorten its length to suit various aftermarket reset configurations. The female style rods contain grooves in 10mm increments on both ends identifying areas where the rod can be modified and adequate threads will remain for proper installation.
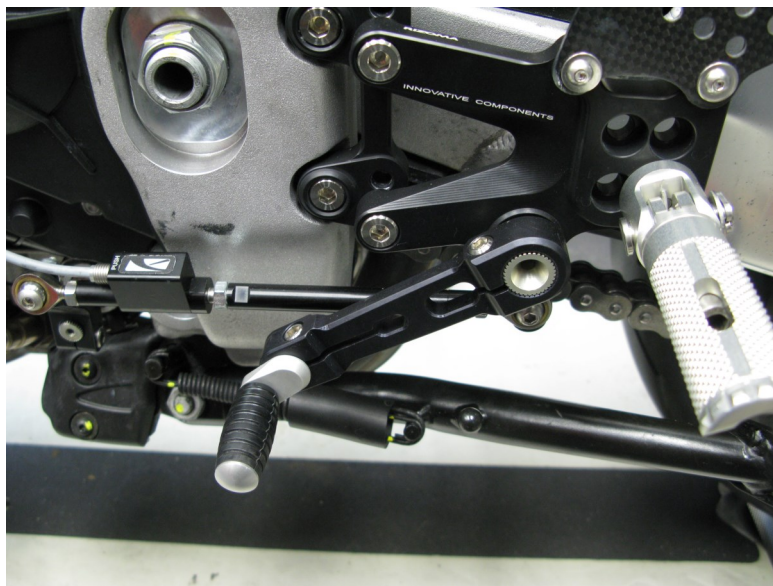

Photo 8

10. Now that the Bazzaz hardware installation is complete please verify proper installation and system functionality. If any problem is found, please carefully follow through the installation steps again. If problem still persists, please call Bazzaz tech support department at (909) 597-8300. After it is determined that everything is correct take a moment to secure the Bazzaz harness along its routing path with cable ties. Secure wiring away from any hot or moving components on the bike, as contact with these components may cause system damage or failure. Reinstall the components removed in step 1.