



2008-2010 KTM RC8 QS4USB
2009-2010 KTM RC8R QS4USB
Installation Instructions
P/N Q542S, Q542R

WARNING!

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

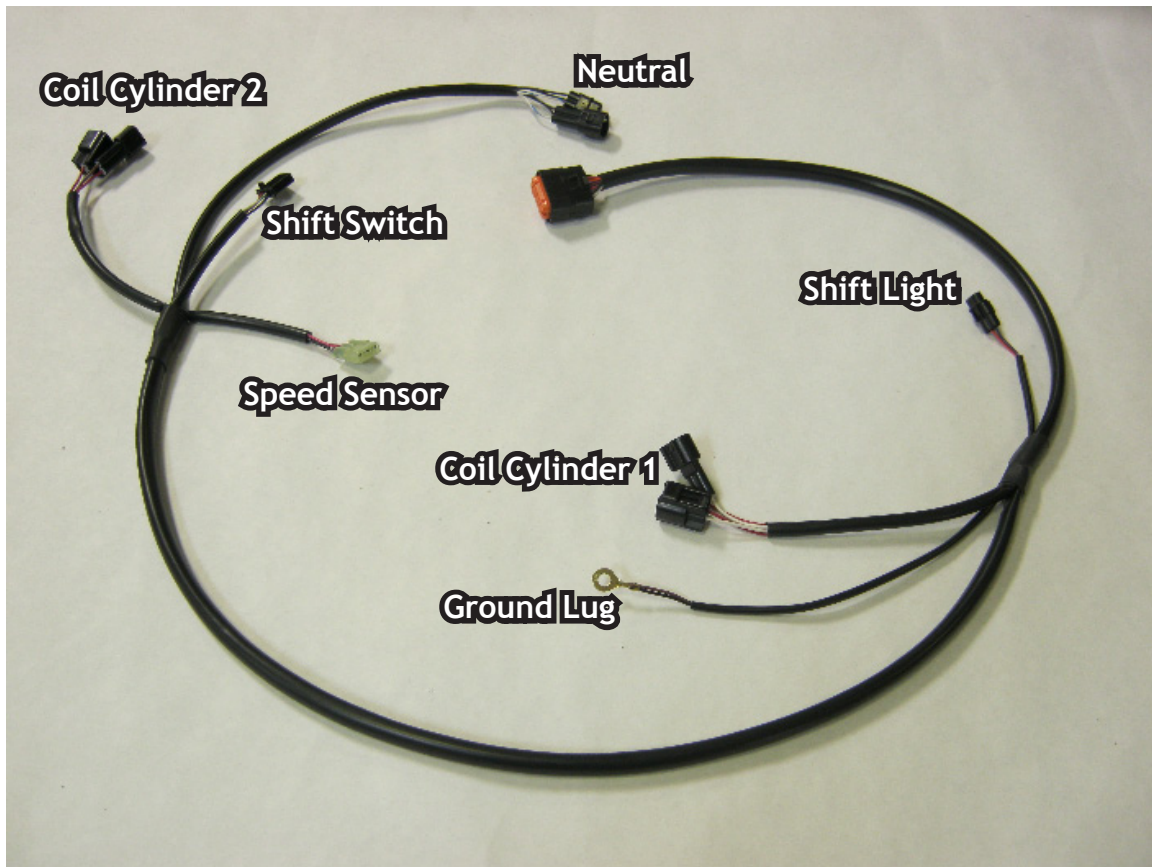
Parts List:

QS4USB Control Unit
Bazzaz Harness
Shift Switch
30mm Shift Rod
Speed Sensor & Bracket Assembly
Download Z-Fi Mapper Software and Its Instructions from website
USB Cable
Velcro
Bazzaz stickers
Cable ties



Read through all instructions before beginning installation. This document is intended for use by qualified technicians. If any problem is found, please carefully follow through installation steps again. If problem still persists, please call Bazzaz tech support department at 909-597-8300.

BAZZAZ HARNESS CONNECTOR IDENTIFICATION



1. Begin the installation by removing the seat, fuel tank, upper & lower front fairings on both sides, and the air inlet ducts.
2. Mount the control module to the right side air inlet duct using the supplied velcro patch and long cable tie (photo 1).

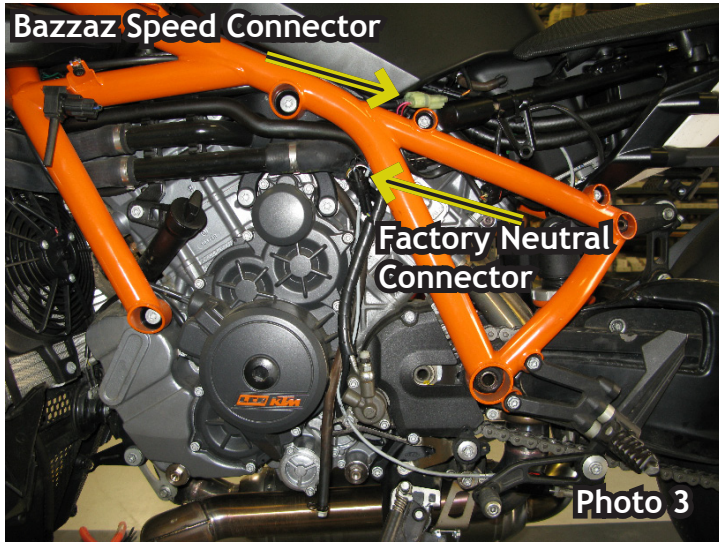


Photo 1

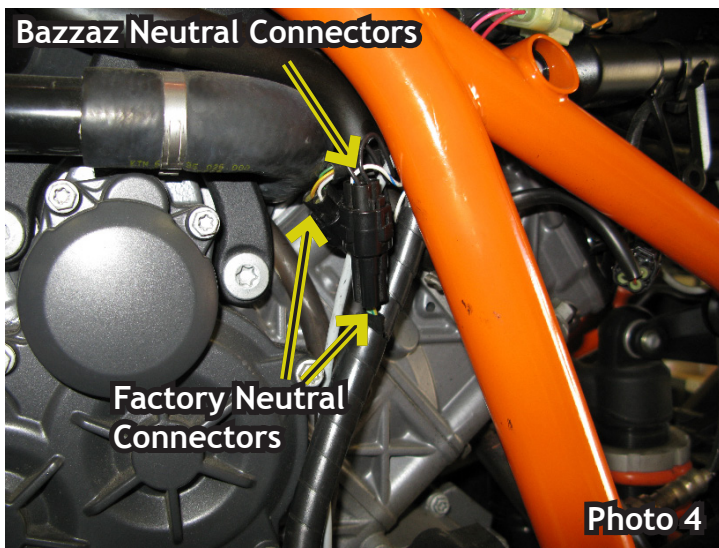
3. Connect the Bazzaz harness to the control module and begin to route it across the front of the engine. Remove the factory harness connector from the ignition coil of the front cylinder and connect the mating Bazzaz harness coil connectors inline (photo 2).



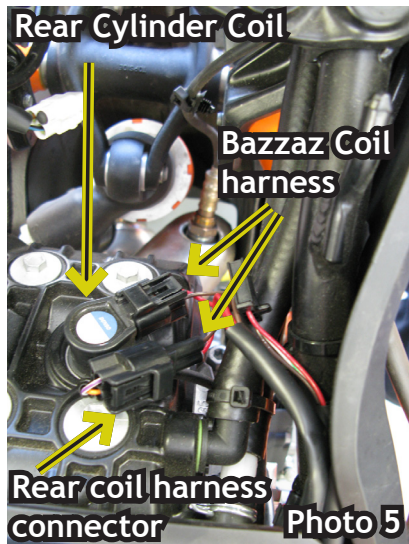
4. Continue to route the remainder of the Bazzaz harness in front of the engine onto left side of the motorcycle along the inside of the frame. Locate the factory neutral position sensor connectors found between the frame and rear cylinder (photo 3).



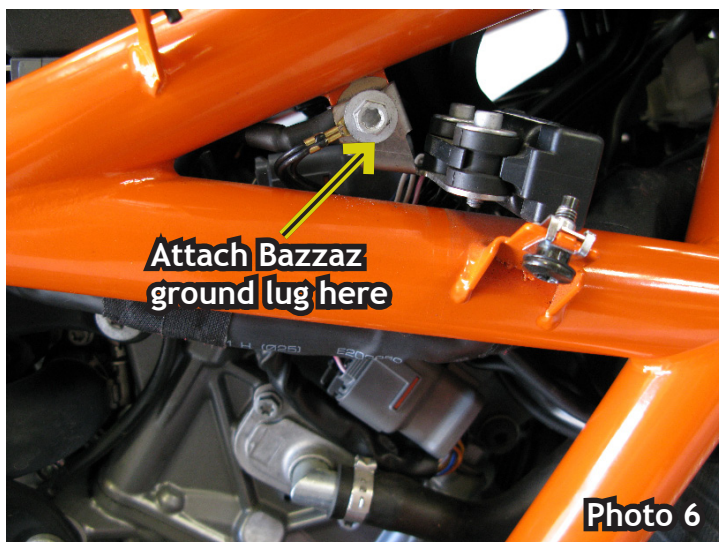
5. Disconnect the factory connectors and install the mating Bazzaz neutral sensor connectors inline (photo 4).



6. Once again disconnect the factory harness from the ignition coil for the rear cylinder and connect the mating Bazzaz coil connector inline (photo 5).

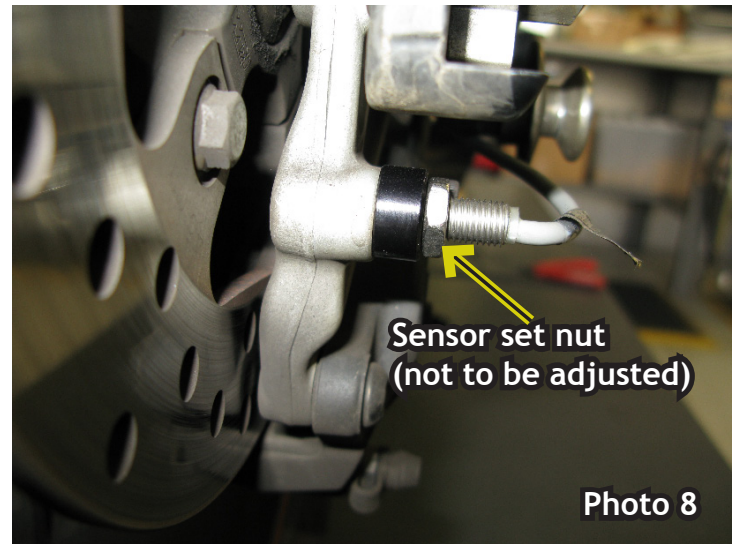
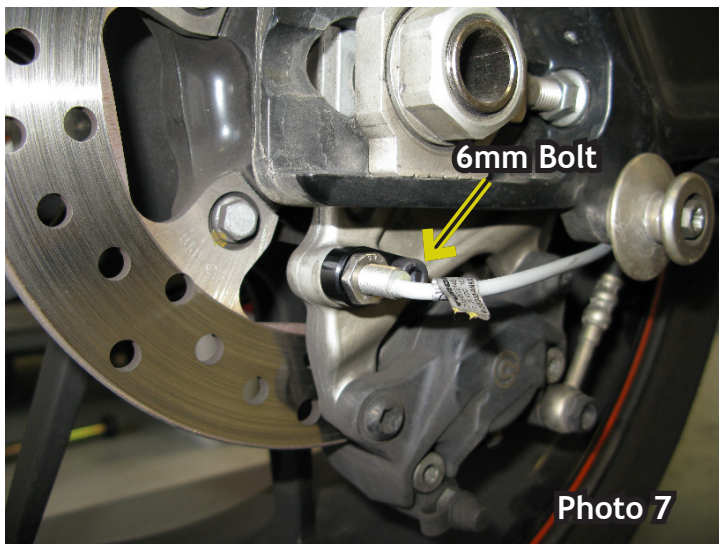


7. Attach the Bazzaz harness ground lug to a solid chassis or engine ground (photo 6).

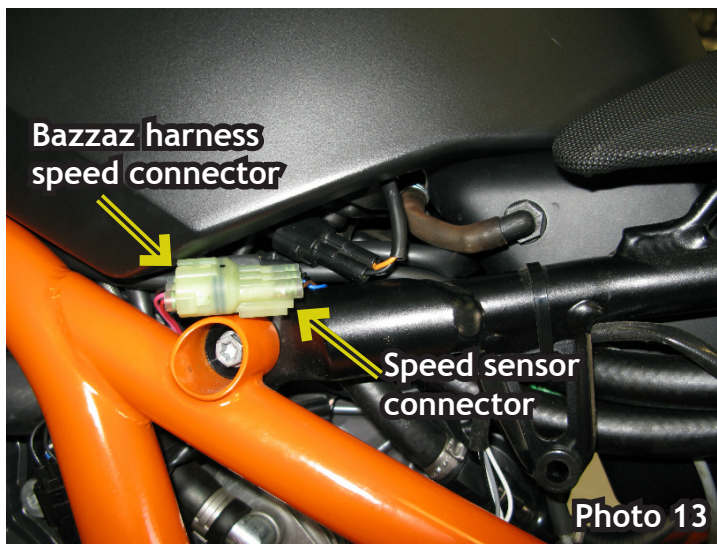
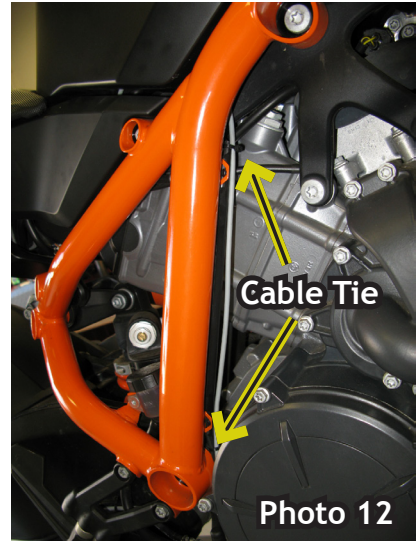
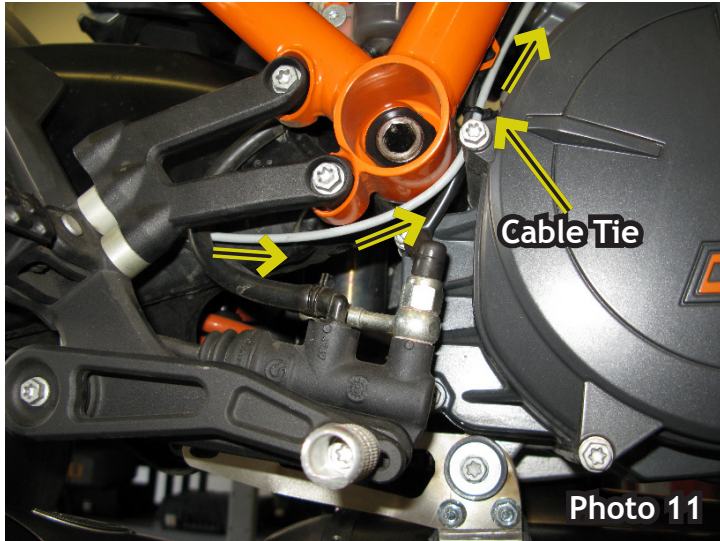
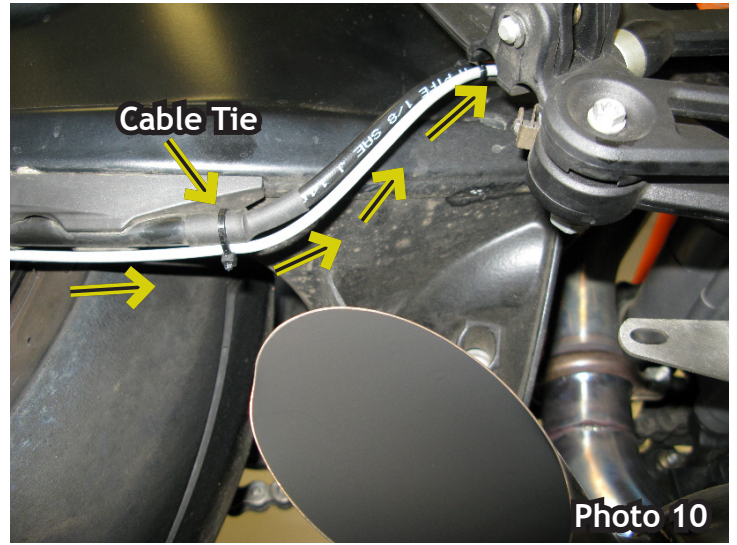
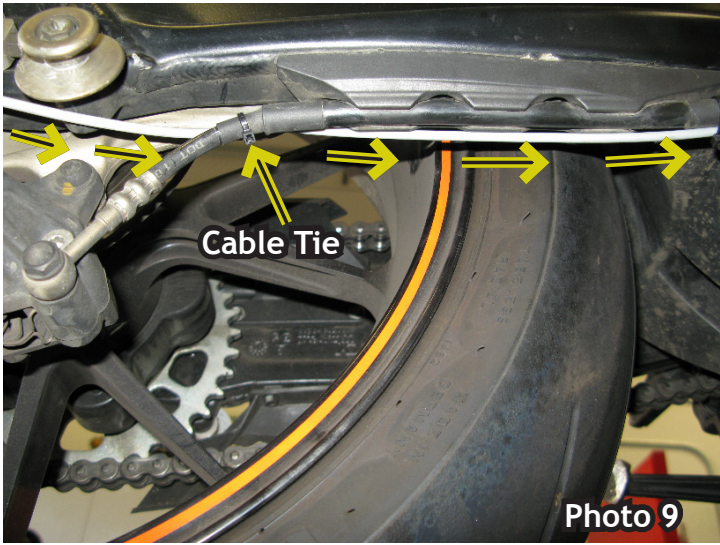


The Bazzaz harness will have one remaining connector near the neutral connection made in a previous step. This connector is where the speed sensor provided with the Bazzaz kit connects once it is installed to the motorcycle's rear brake caliper mounting bracket.

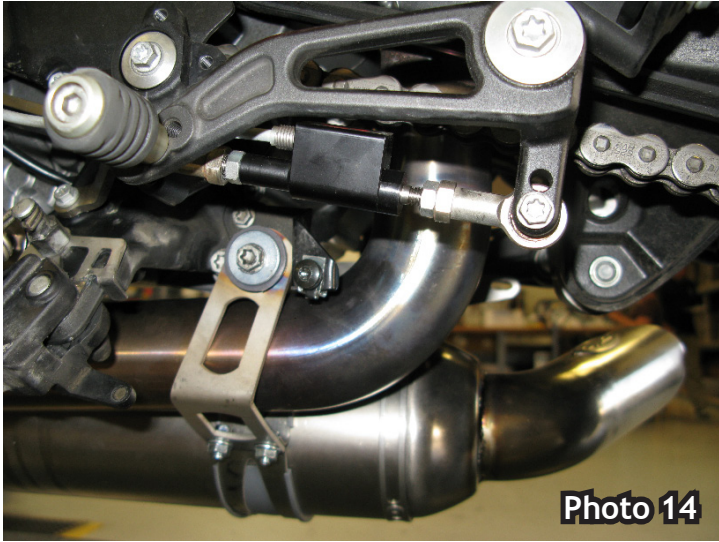
8. The factory rear brake caliper mounting bracket has been manufactured by KTM with the option for a rear wheel speed sensor. It has two pre-drilled holes, providing an opening for sensor placement and securing of the sensor in place. Note: The speed sensor provided with your kit requires that it be mounted allowing for a particular positioning in relation to the rear brake disc mounting bolts which the sensor uses to calculate wheel speed. The sensor and bracket assembly has been pre-assembled to achieve a particular tolerance. **Do not attempt to modify the assembly** as it may result in poor performance or even damage to the Bazzaz product and motorcycle. Insert the assembly into the pre-drilled opening of the caliper mounting bracket and secure it with the supplied 6mm bolt using a 5mm Allen tool (photos 7 & 8).



9. Route the sensor cable along the underside of the swingarm. Secure it to the brake line with the supplied cable ties (photos 9 & 10). Continue to route the cable behind the right rear set, up along the frame, under the fuel tank to the mating connector on the Bazzaz harness on the left side of the motorcycle (photos 11, 12 & 13).



10. Prior to installing the Bazzaz shift switch, apply a small amount of medium strength thread locking agent to the threads of the 30mm Bazzaz rod supplied with the kit. Using a 3mm Allen tool screw the rod into the female shift switch housing opening. Install the rod completing into the housing until it no longer turns. Remove the factory shift rod and place one of the nuts from the factory rod and screw it onto the Bazzaz rod. Install the Bazzaz shift switch and rod assembly in place of the factory shift rod (photo 14). Route the remaining shift switch cable up the left side of the engine under the fuel tank and connect it with the mating shift switch connector on the Bazzaz coil harness. This kit is designed for use with stock rear sets, if you motorcycle is equipped with aftermarket rear sets and requires a different style of shift rod, Bazzaz shift rods of various lengths and configurations which can be viewed at Bazzaz.net.



11. Re-install components removed in step 1.