

Suzuki B-King 2008-2012 (ARA-1 + ARA-K4B + ARA-D04)

Secure the bike on a stand.



Remove the seats.

Remove the covers from the fuel tank.

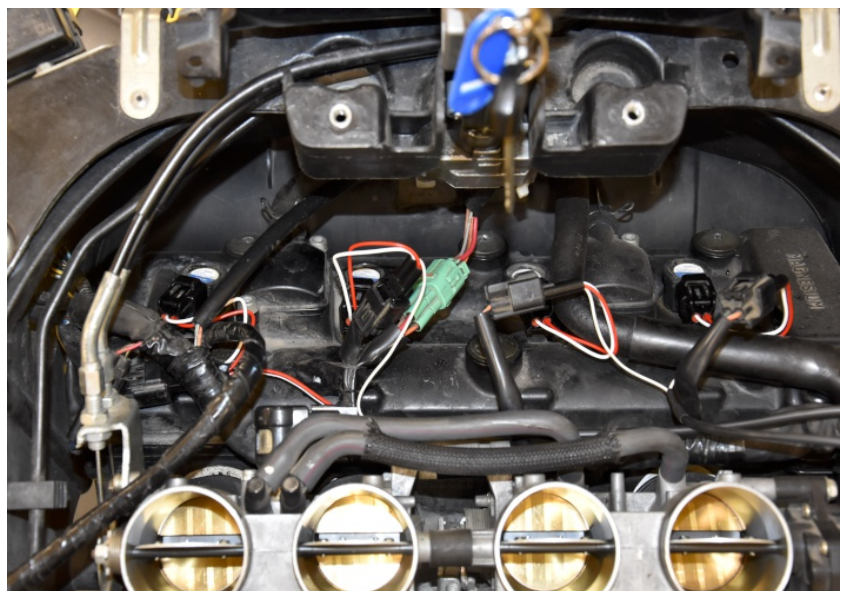
Remove the fuel tank and the airbox.



Locate the ignition coil connectors under the airbox.

Use the following connections without the iQSE:

Plug the ARA connectors in-line with the ignition coil connectors.



Advanced Rider Assistant Supplementary Manual



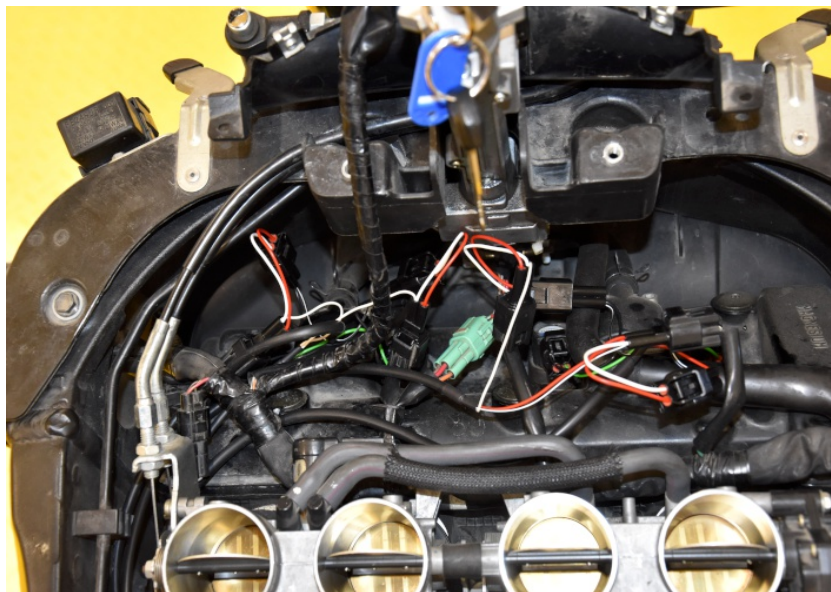
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Use the following connections with the iQSE:

Connect the QSX connectors to the ignition coil connectors.

Plug the ARA connectors in-line with the QSX free connector and the bike harness plug.

(Bike harness plug -> ARA plugs -> QSX plugs -> ignition coil plug.)



Connect the ARA Black wire terminal to the battery negative terminal.



Mount the supplied disk and wheel speed sensor at the front wheel.

(For the disk mounting see the Front Disc Mounting all bikes without ABS supplementary manual. Reinstall the brake disk as per the bike's service manual. For safety, you may use threadlocker to make sure the nut or bolt won't get loose due to vibrations. Adjust and tighten the sensor so that the sensor's tip will be in the centerline of the targets. The air-gap should be about 1mm.)



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Splice the ARA Green wire to the Pink wire of the speed sensor connector.

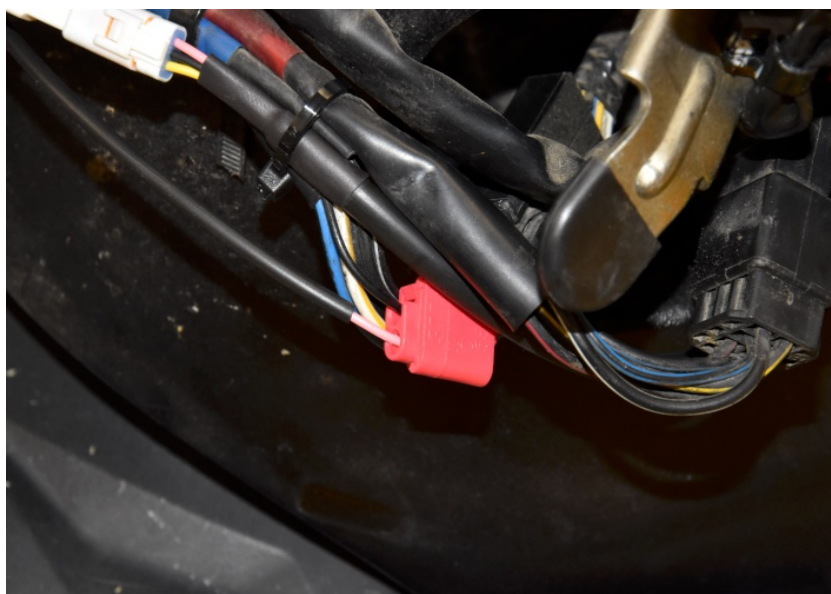
Connect the 3-pole front wheel speed sensor connector to the ARA wiring.



Optional:

Connect the ARA Pink wire to the Black wire of the Clutch switch under the airbox. (The other side of the connector the Black/Yellow wire.)

While the connector is connected, turn ignition on. Measure the voltage (DC 20V setting) on the wires, at the back side of the plug. You need to use the wire where the voltage value changes while you pull the clutch lever. Alternatively check the clutch switch indication in the ARA application on your phone.



Mount the switch onto the handlebar.



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Mount the LED indicator.



Typical position for the ARA module.

Secure the unit properly.

