Advanced Rider Assistant
Supplementary Manual

HEALTECH ELECTRONICS

Honda CBF600S 2004-2007 (ARA-1 + ARA-K2T + ARA-WSS)

Secure the bike on a stand.

Remove the seats.

Remove the black plastic covers below the fuel tank.

Remove the side fairings.

Locate the ignition coil connectors on the right side under the fuel tank.

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Use the following connections without the iQSE:

Take off the Black/White terminal from one coil.

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

Take off the Blue/Yellow terminal from the coil.

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

Take off the Yellow/Blue terminal from the other coil.

Plug the ARA White connectors in-line with the ignition coil terminals.
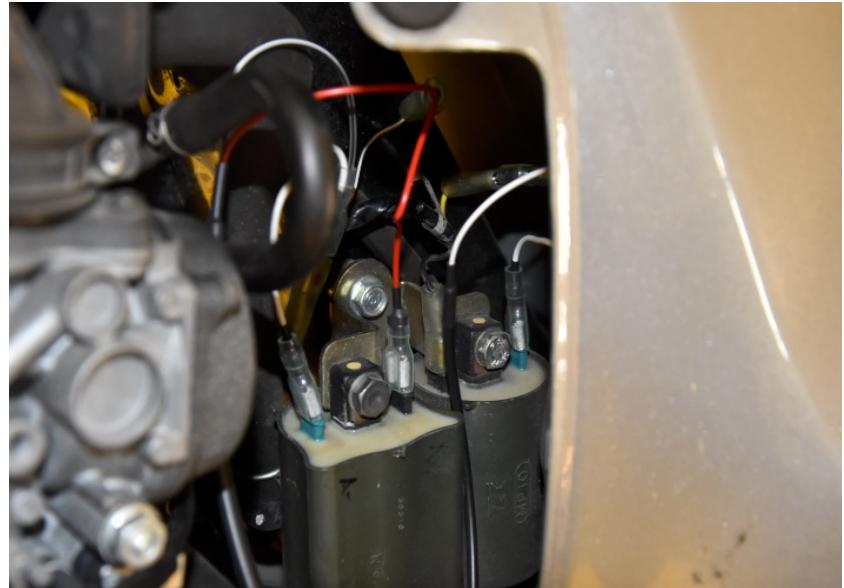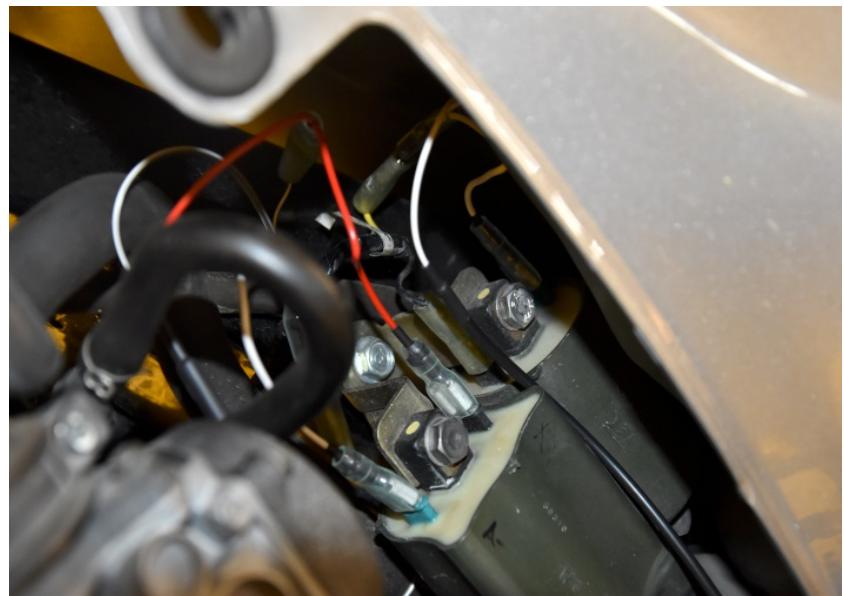
If the ARA is used together with the iQSE quickshifter, connect the terminals in this order on coil 1:

Bike Black/White female terminal -> ARA Red male terminal -> ARA Red female terminal -> QSH Red male terminal -> QSH Green female terminal-> Ignition coil male terminal.

Bike Blue/Yellow female terminal -> ARA White male terminal -> ARA White female terminal -> Ignition coil male terminal.

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If the ARA is used together with the iQSE quickshifter, connect the terminals in this order on coil 2:

Bike Yellow/Blue female terminal -> ARA White male terminal -> ARA White female terminal -> Ignition coil male terminal.

Take off the bike Black/White female terminal and isolate with tape.

Connect the QSH Green terminal to the empty ignition coil terminal.

Connect the ARA Black wire terminal to the battery negative terminal.
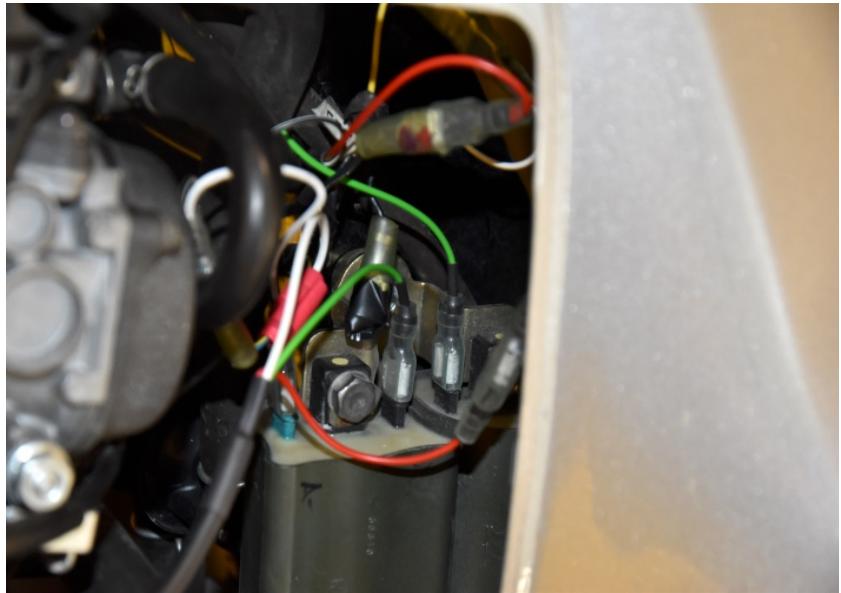
Mount the wheel speed sensor at the front wheel.

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

(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.

(Black, 3-pole connectors in a dust boot at the left side below the fuel tank)
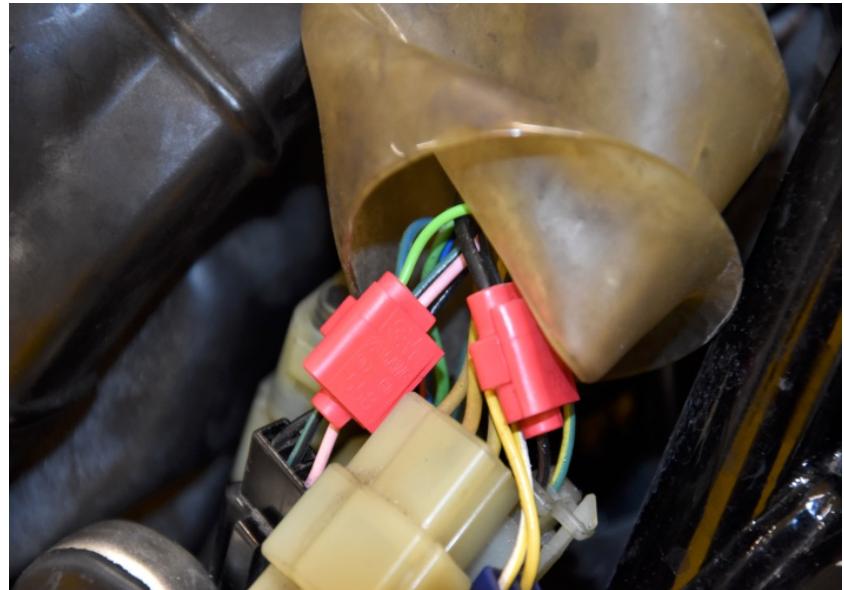
Optional:

Connect the ARA Pink wire to the Black wire of the Clutch switch under the meter unit.

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.