

# Advanced Rider Assistant Supplementary Manual



## Honda CB125R ABS 2023- (ARA-1 + ARA-K2T + ARA-WSS)

Secure the bike on a stand.



Remove the seats.

Remove the fuel tank covers and remove the fuel tank.



Locate the ignition coil connectors under the fuel tank.



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Use the following connections without the iQSE:

Take off the Black/Blue terminal from the coil.

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

Take off the Pink/Blue terminal from the coil.

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

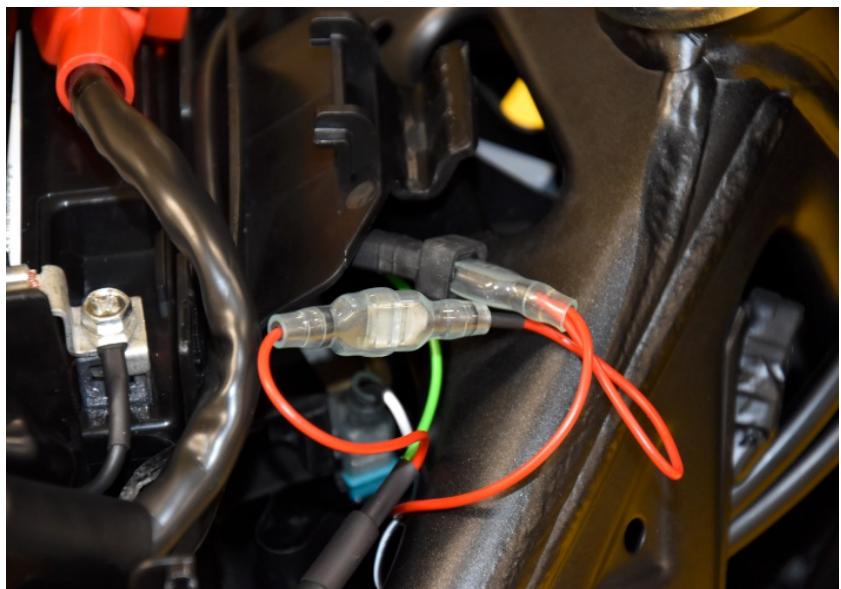
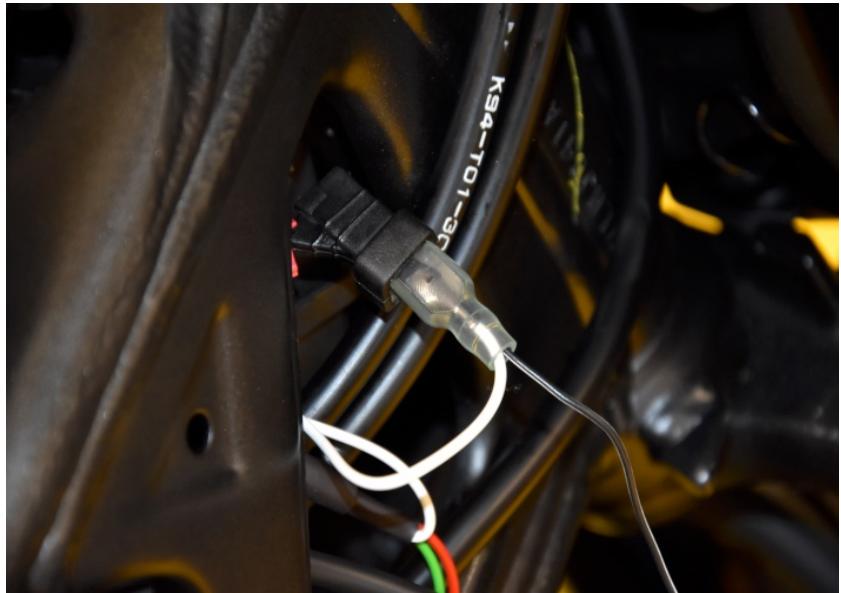
Isolate the unused terminal with tape.

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

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

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

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



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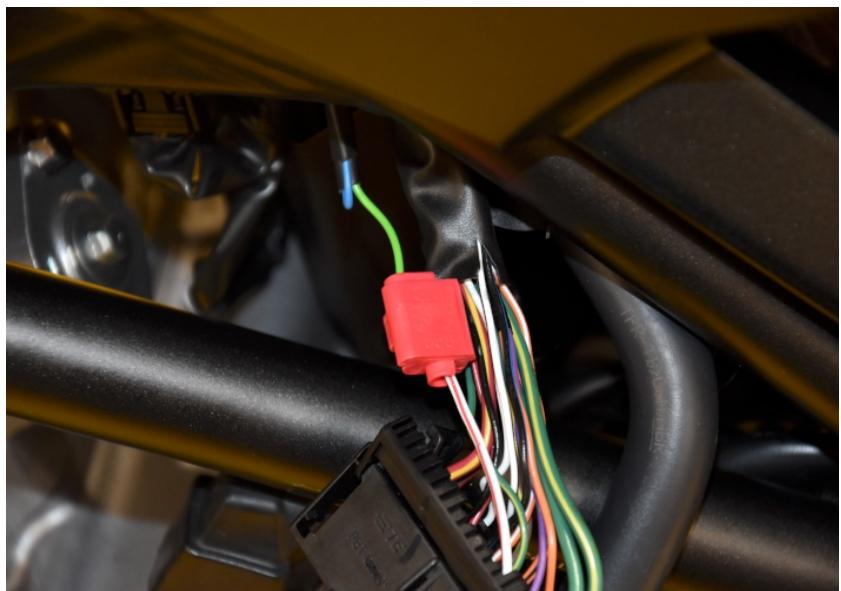
Mount the wheel speed sensor at the front wheel.

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.)*



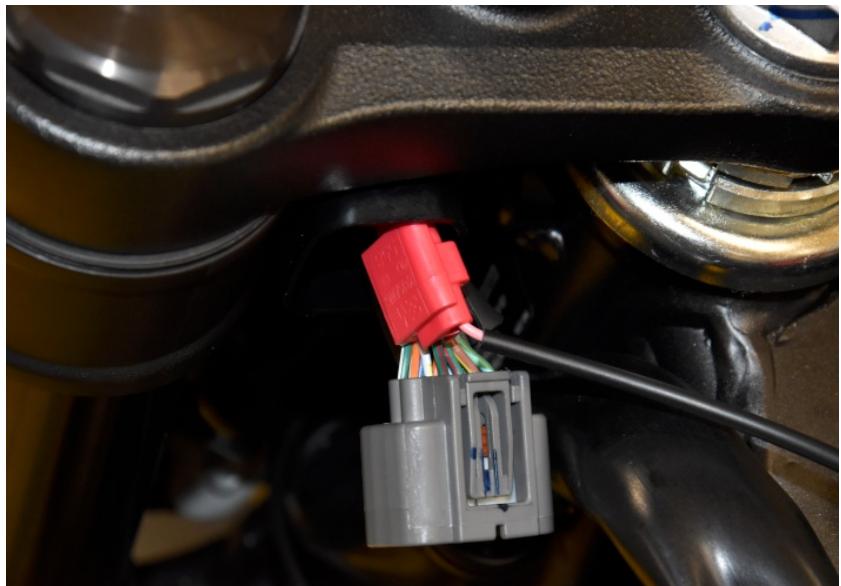
Splice the ARA Green wire to the White/Red wire of the ABS ECU connector.



Optional:

Connect the ARA Pink wire to the Green/Red wire of the Clutch switch under the meter unit. Pay attention for use the right 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.*



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Mount the switch onto the handlebar.



Mount the LED indicator on the dashboard.



Typical position for the ARA module.

