

# Advanced Rider Assistant Supplementary Manual



**Honda CBR1100XX Blackbird 1996-2008 (ARA-1 + ARA-K2T + ARA-D13)**

Secure the bike on a stand.



Remove the seat.

Remove the side fairings and the front cover from the fuel tank.



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



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Take off the Black/White terminal from one coil.

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

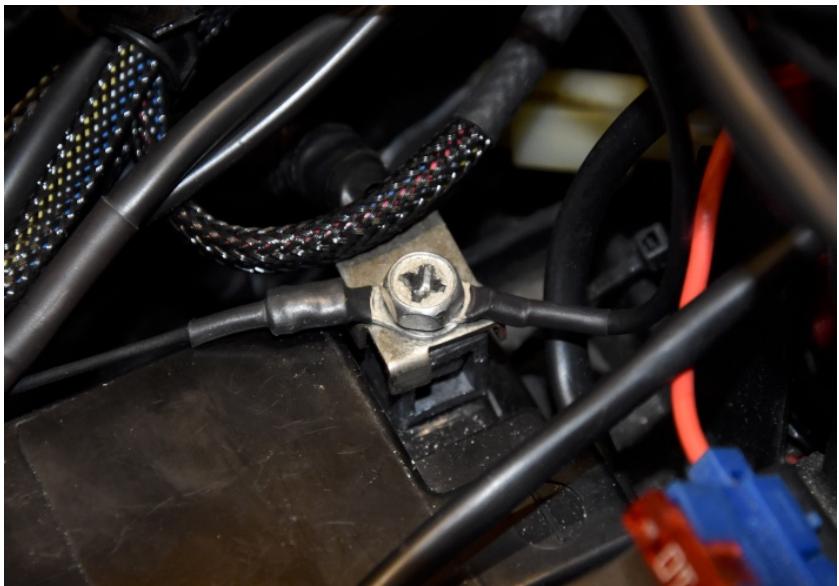
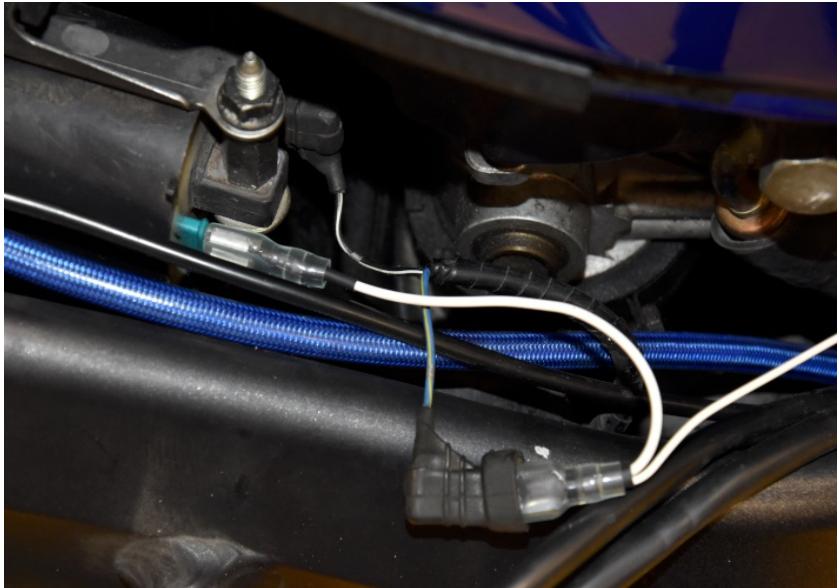
Take off the Yellow/Blue terminal from the coil.

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

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

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

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



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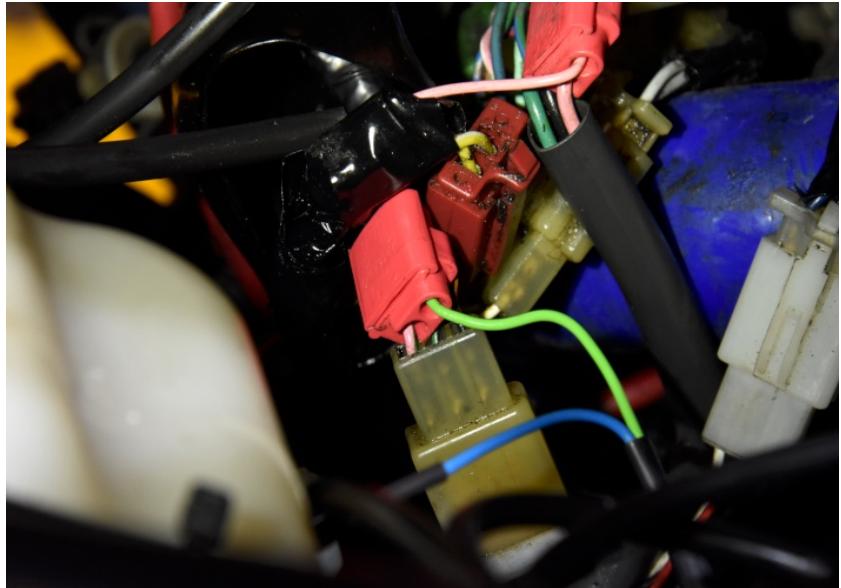
Mount the supplied disc and wheel speed sensor at the front wheel.

*(For the disc mounting see the Front Disc Mounting all bikes without ABS supplementary manual. Reinstall the brake disc 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.)*



Splice the ARA Green wire to the Pink/Green 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 windshield.

*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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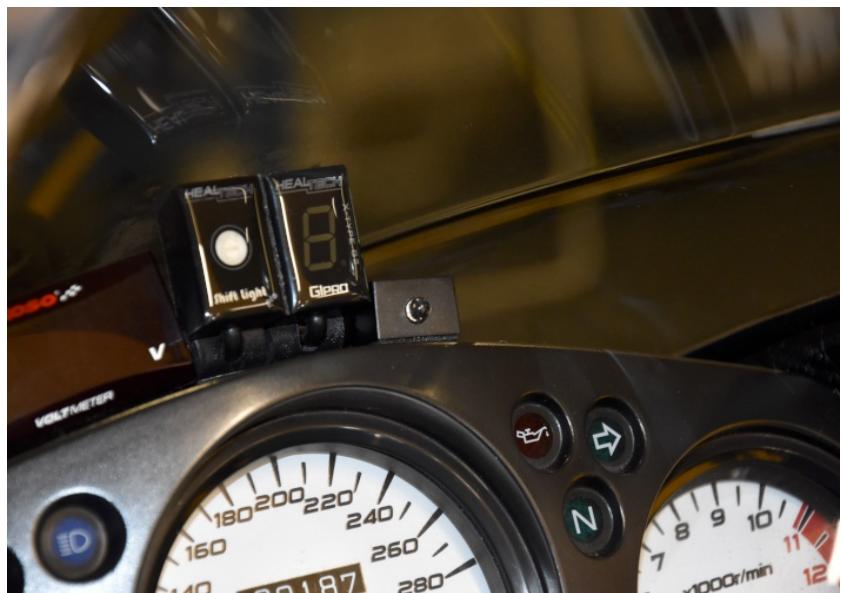


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Mount the switch onto the handlebar.



Mount the LED indicator on the dashboard.



Typical position for the ARA module.

Secure the unit properly.

