

# Advanced Rider Assistant Supplementary Manual



## Suzuki GSX-R1000 2006 (ARA-1 + ARA-K4B + ARA-D03)

Secure the bike on a stand.



Remove the fuel tank.



Remove the airbox to gain access to the ignition coil connectors.

*(Black, 2-pole connectors below the airbox.)*

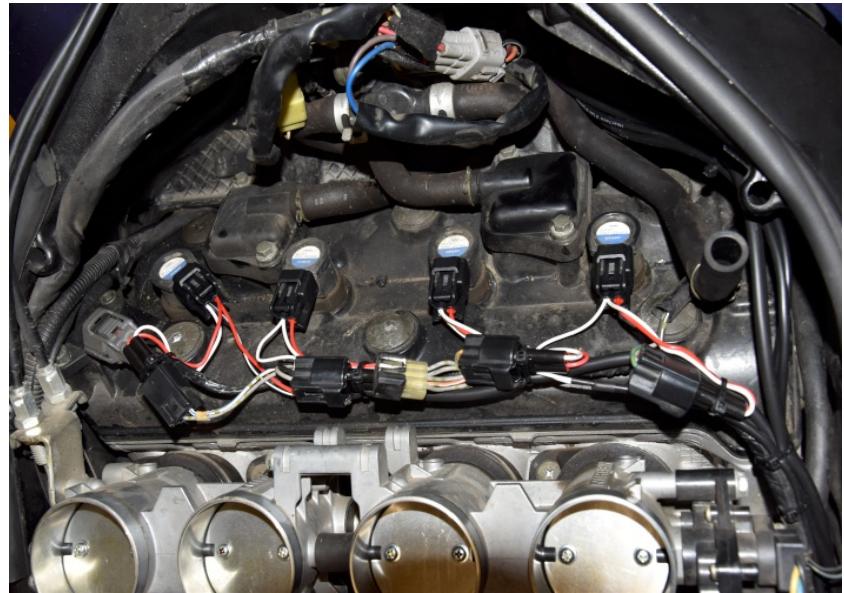


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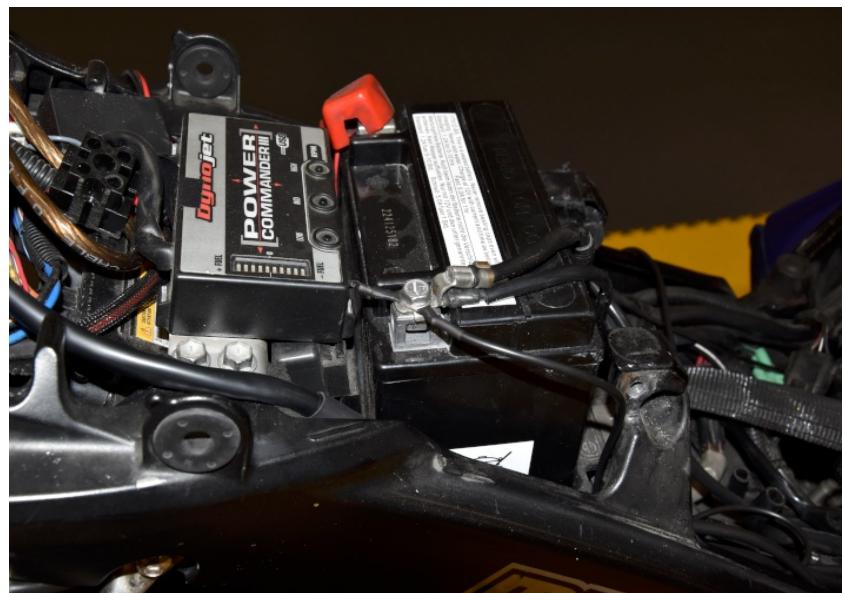


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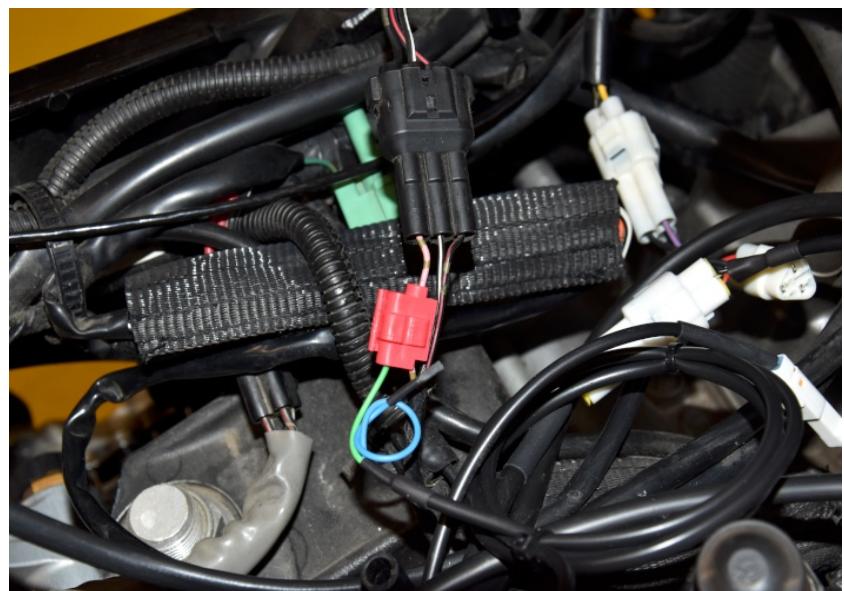
Plug the ARA connectors in-line with the ignition coil connectors.



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



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



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Mount the supplied disc and wheel speed sensor at the front wheel (right side).

*(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.)*



Connect the 3-pole sensor connector to the ARA wiring.



Optional:

Connect the Pink ARA wire to the Black/Yellow wire of the Clutch switch signal wire below the fuel tank.

*The Clutch switch sensor has 2 identical 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.*



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Mount the LED indicator on the dashboard.



Mount the switch onto the handlebar.



Typical position for the ARA module unit.

Secure the unit Properly.

