

# Advanced Rider Assistant Supplementary Manual



## Suzuki DL650 V-Strom 2007-2011 (ARA-1 + ARA-K2D + ARA-DD6)

Secure the bike on a stand.



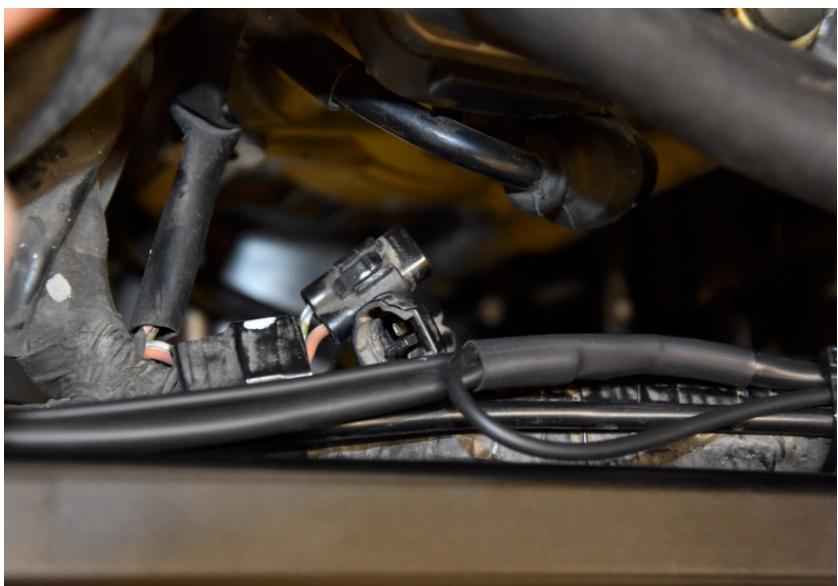
Remove the seat and the side fairings.

Remove the fuel tank and the airbox.



Locate the ignition coil connectors.

*(Black, 2-pole connectors)*



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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.



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

*(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.)*



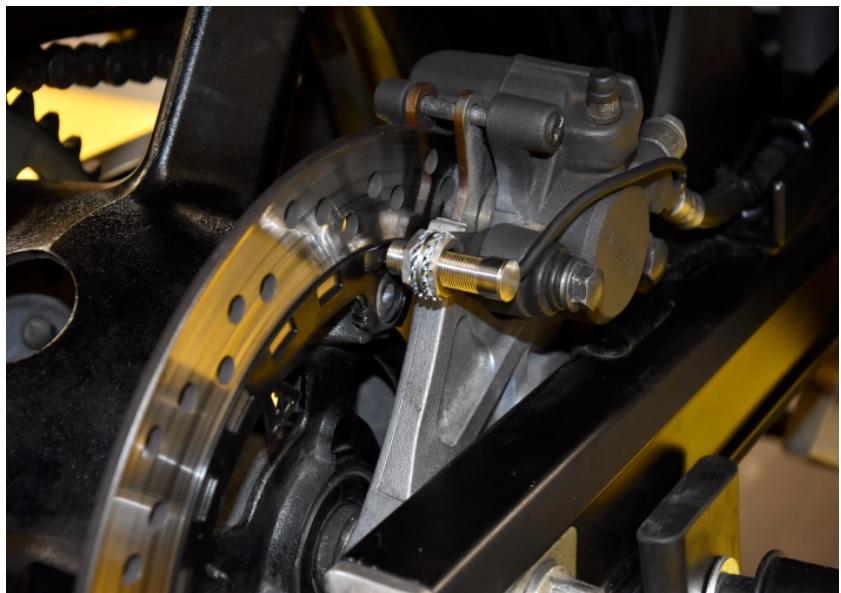
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Mount the supplied disc and wheel speed sensor at the rear wheel.

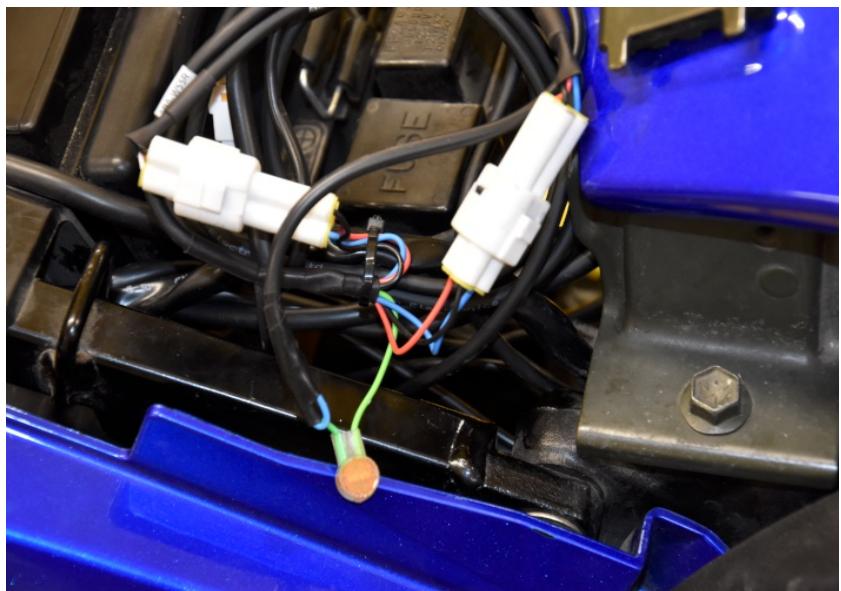
*(Adjust and tighten the sensor so that the sensor's tip will be in the centerline of the targets. The air-gap should be about 1mm.)*



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

Connect the free terminals of the front and the rear speed connectors.

Splice the ARA two Green wire.



Optional:

Connect the ARA Pink wire to the Black/Yellow wire of the Clutch switch.

*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.*

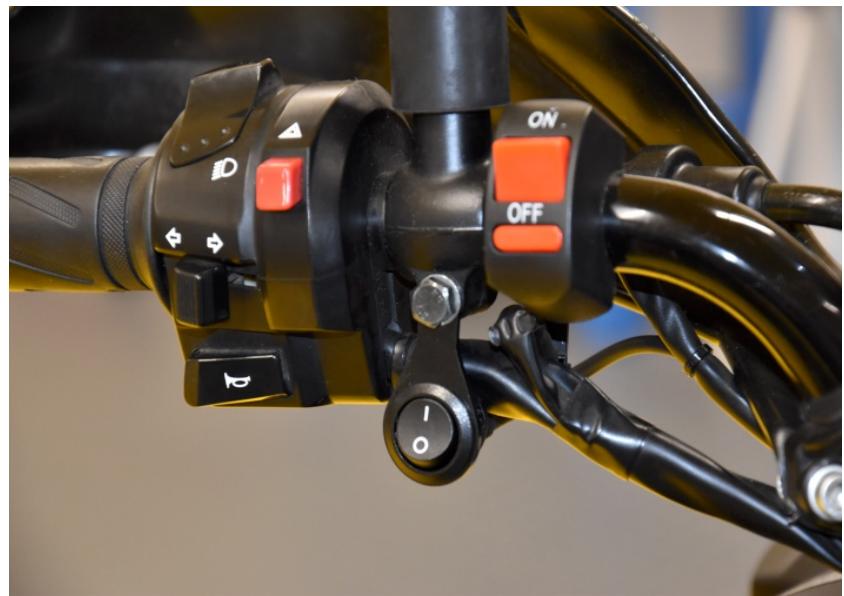


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Mount the switch onto the handlebar.



Mount the LED indicator.



Typical position for the ARA module.



Secure the unit properly.