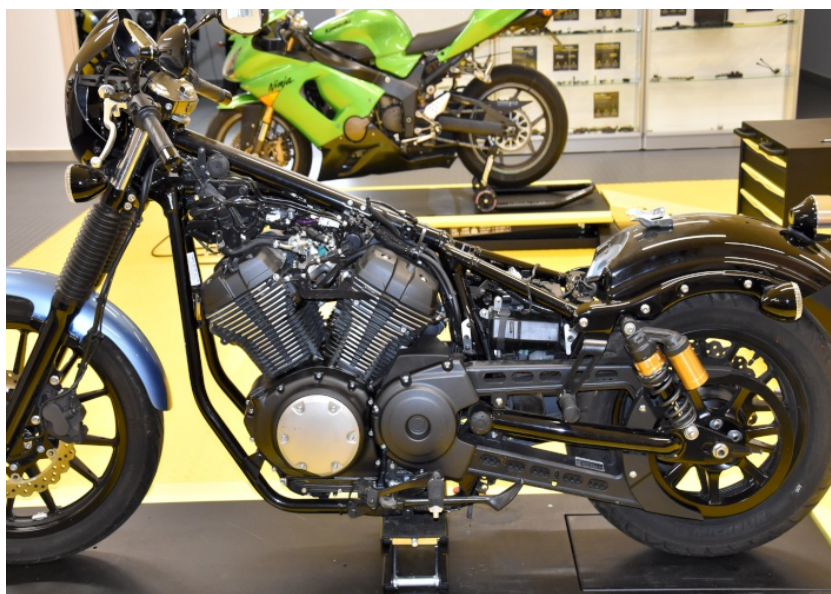# Advanced Rider Assistant
Supplementary Manual

Yamaha XVS950C 2017-2020 (ARA-1 + ARA-K2T)

Secure the bike on a stand.

Remove the side covers and remove the seat.

Remove the fuel tank.

If the ARA is used together with the iQSE quickshifter, connect the terminals in this order on coil 1:

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

Bike Orange female terminal -> ARA White male terminal -> ARA White female terminal -> Ignition coil male terminal.
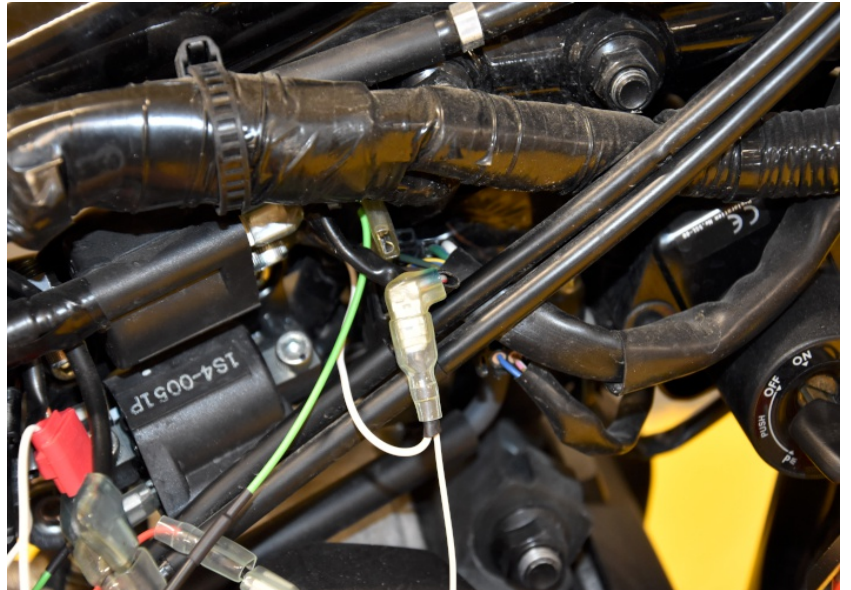
Yamaha XVS950C 2017-2020 (ARA-1 + ARA-K2T)

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

Bike Grey/Red female terminal -> ARA White male terminal -> ARA White female terminal -> Ignition coil male terminal.

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

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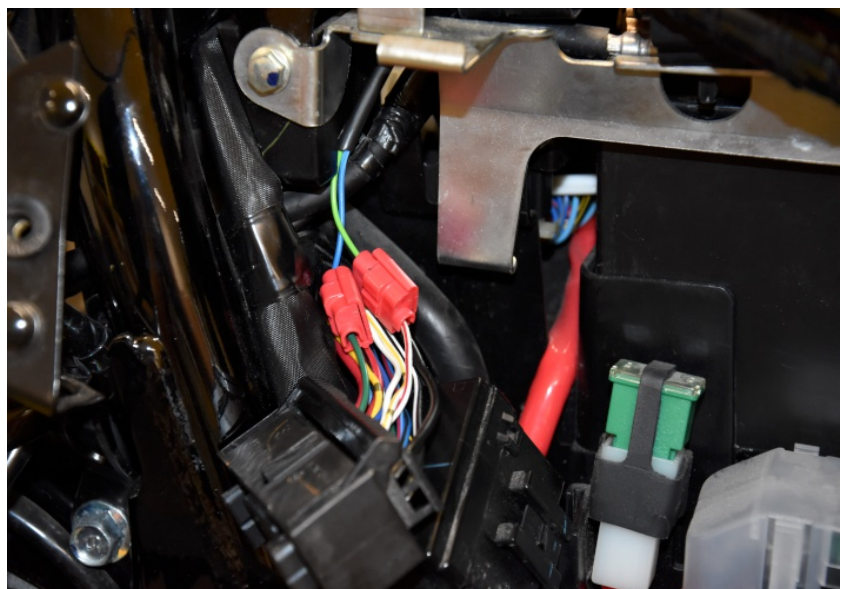

Connect the ARA Black wire terminal to the battery negative terminal.

Locate the Black ABS module connector under the seat.

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

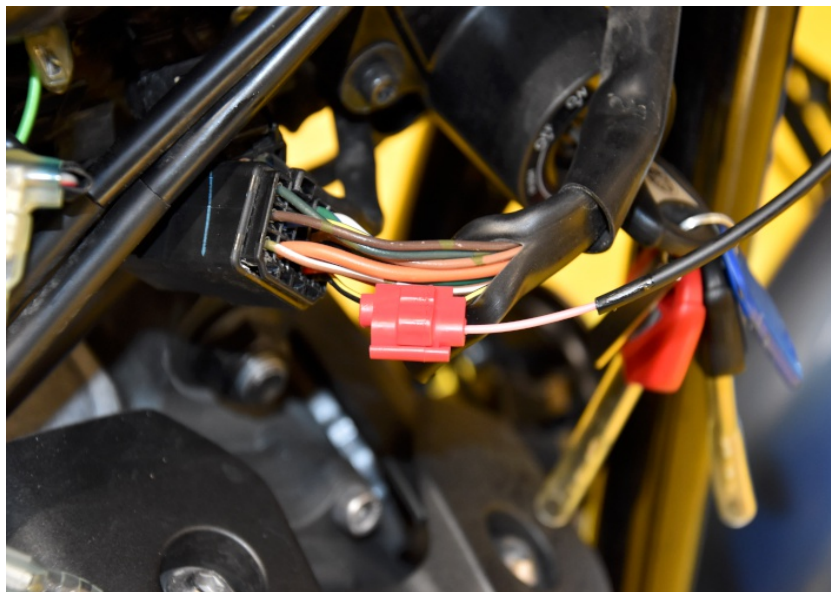Splice the ARA Blue wire to the Green wire of the ABS connector.

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Optional:

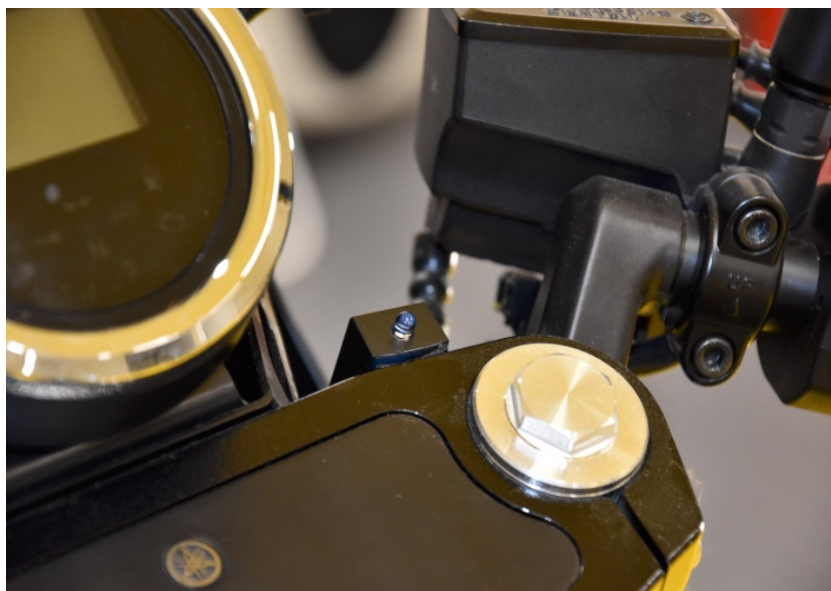Connect the ARA Pink wire to the Black/Yellow wire of the Clutch switch.

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.

Mount the switch onto the handlebar.

Mount the LED indicator.

Yamaha XVS950C 2017-2020 (ARA-1 + ARA-K2T)

Typical position for the ARA module.

Secure the unit properly.