

Advanced Rider Assistant Supplementary Manual



Ducati Monster 1100 2009-2013 (ARA-1 + ARA-K1U + ARA-DD10)

Secure the bike on a stand.



Remove the seat.

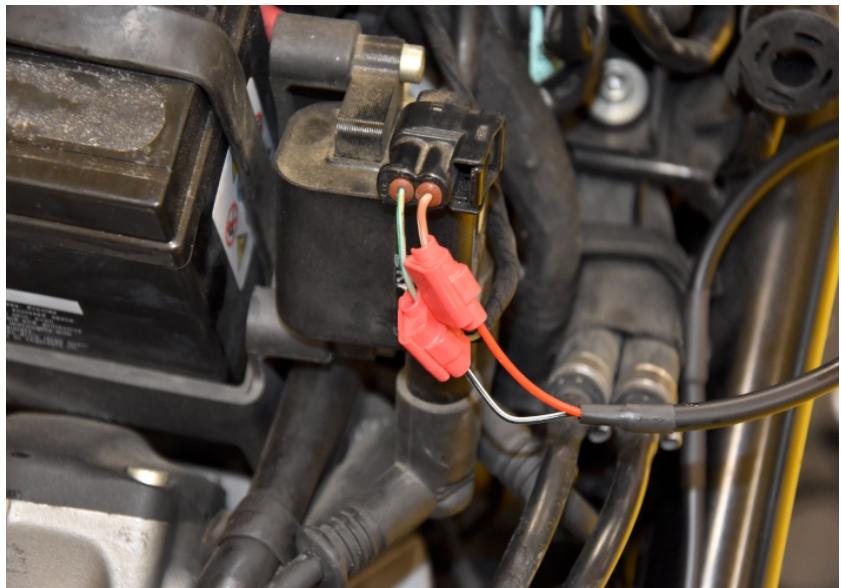
Remove the covers from the fuel tank.

Remove the fuel tank.



Connect the ARA Red wire to the Brown/White wire of the vertical cylinder coil.

Connect the ARA Black/White wire to the Grey/Green wire of the vertical cylinder coil.

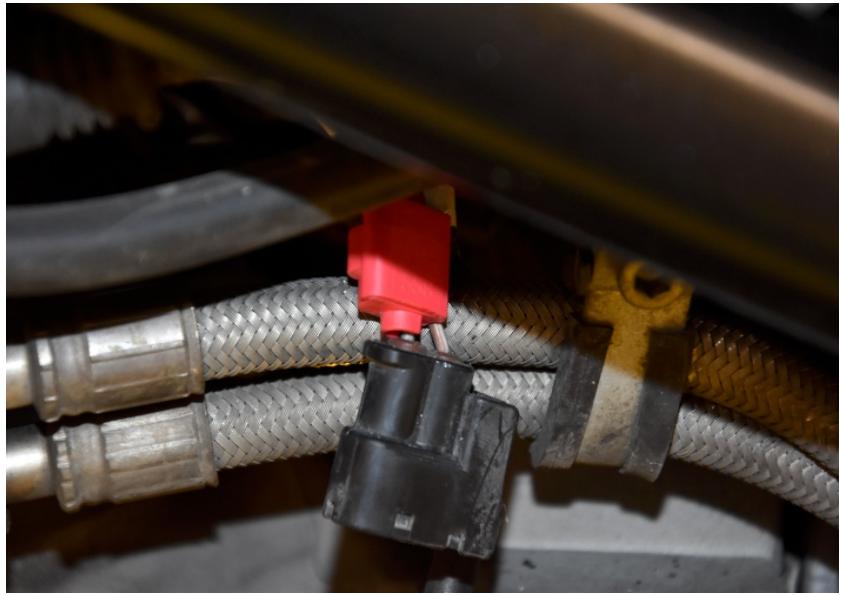


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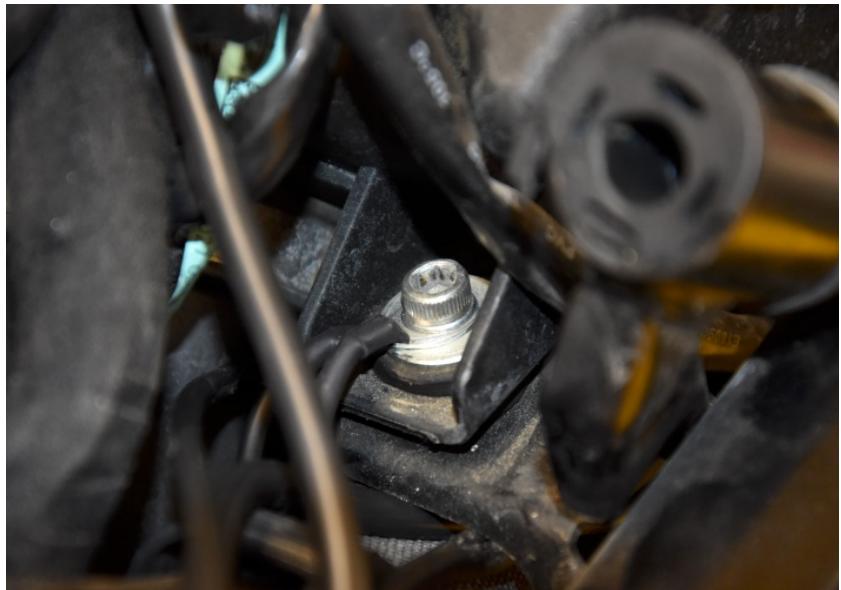


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Connect the ARA White wire to the Grey/Blue wire of the horizontal cylinder coil.



Connect the ARA Black wire terminal to the chassis ground.



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.)



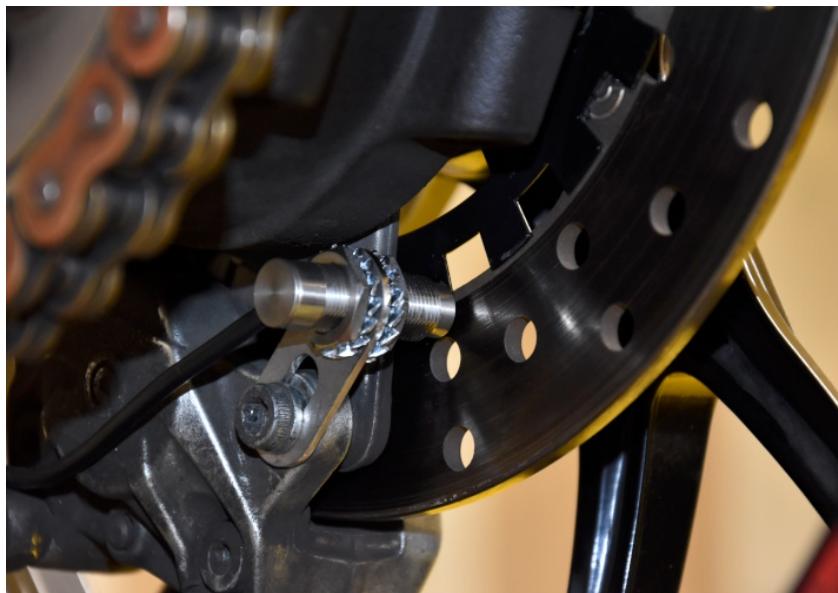
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Mount the supplied disc and wheel speed sensor at the rear wheel.

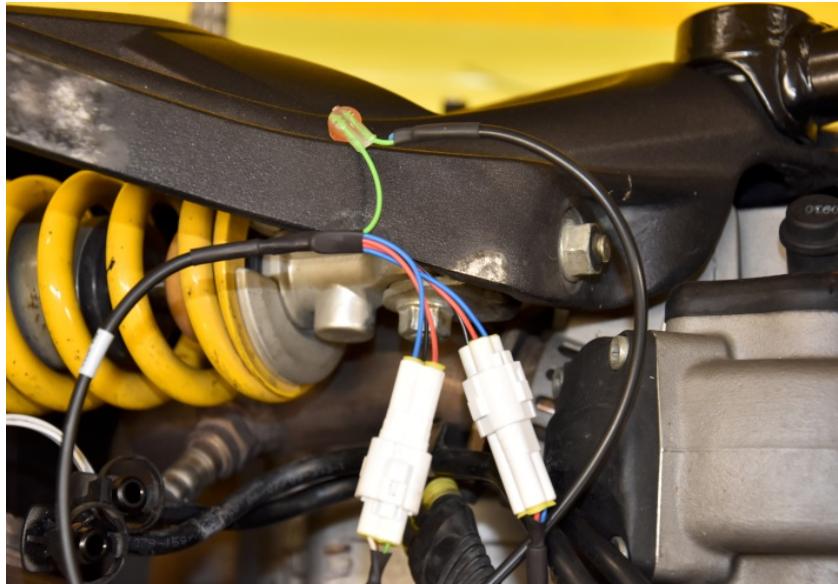
(For the disc mounting see the Rear Disc Mounting all bikes without ABS supplementary manual. Adjust and tighten the sensor so that the sensor's tip will be in the centerline of the targets. The air-gap should be about 1mm.)



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.

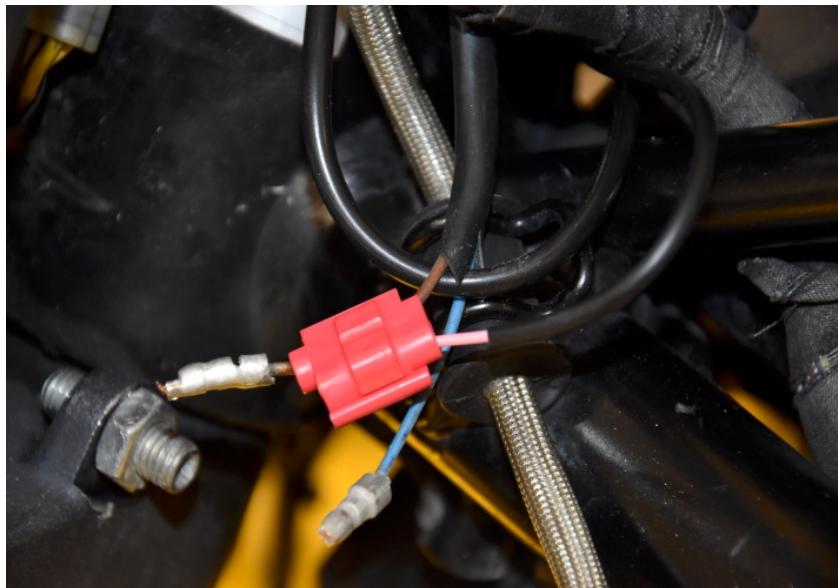
Splice the ARA two Green wire.



Optional:

Connect the ARA Pink wire to the Brown 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 on the dashboard.



Typical position for the ARA module.

Secure the unit properly.

