

Advanced Rider Assistant Supplementary Manual



Harley-Davidson Night Rod 2006- (ARA-1 + ARA-K2I + ARA-D15)

Secure the bike on a stand.



Remove the rear seats.

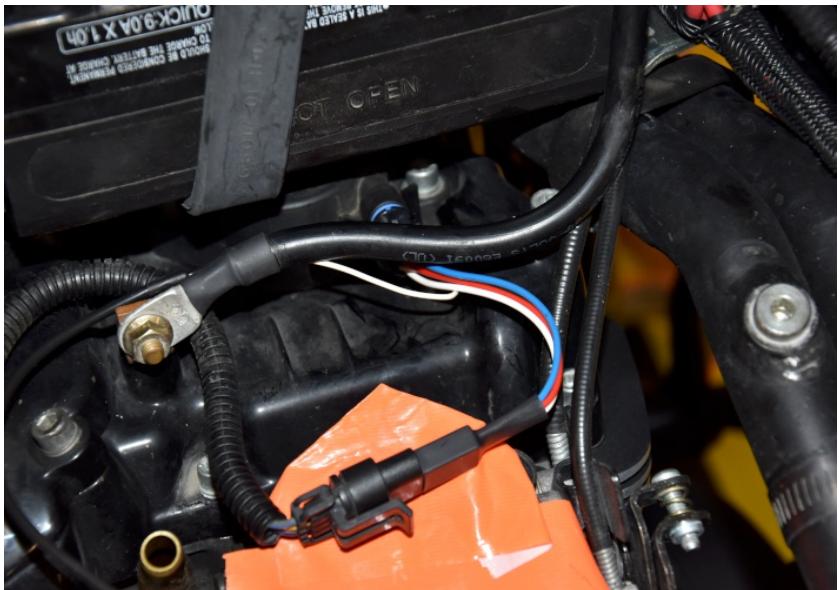
Remove the cover from the airbox.

Remove the airbox.



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

(Black, 3-pole connectors)



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Connect the ARA Black wire terminal to the chassis ground.

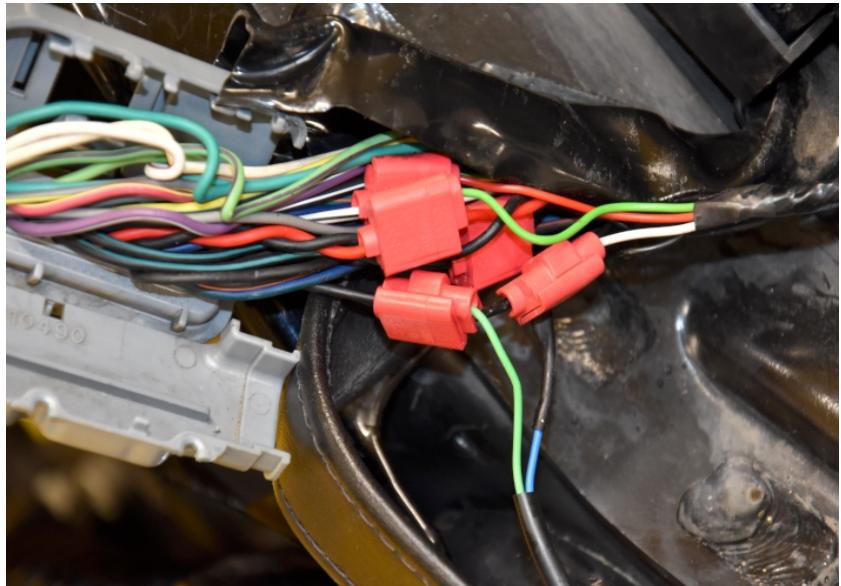


Mount the supplied disc and wheel speed sensor at the front wheel.

(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.)



Splice the ARA Green wire to the Black/Blue wire of the ECU/ECM connector.



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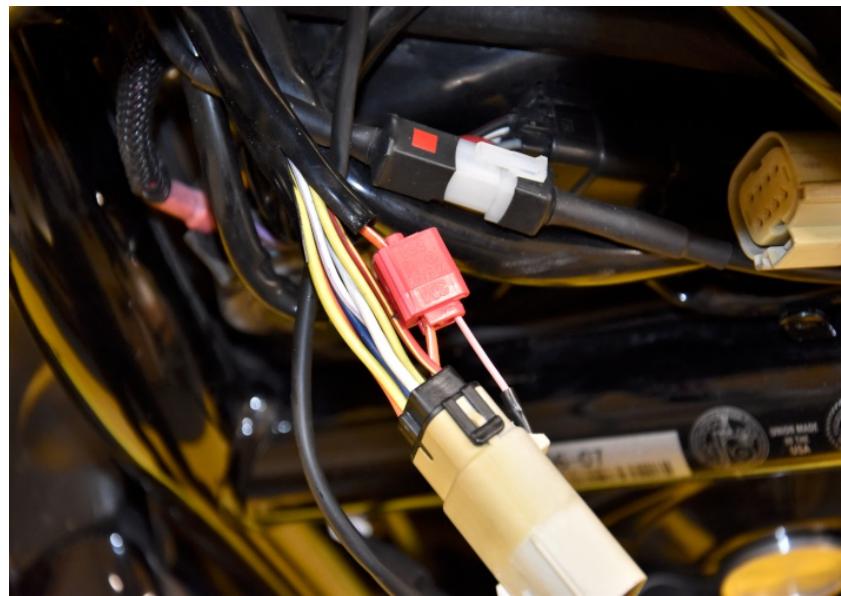


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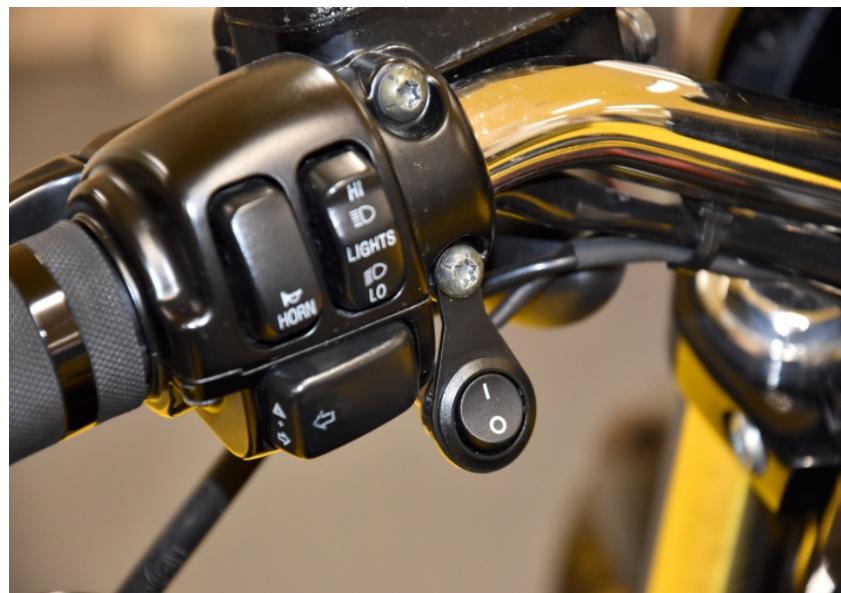
Optional:

Connect the Pink ARA wire to the Orange/White wire of the Clutch switch on the left side at the White multi connector.

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.



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Typical position for the ARA module.

Secure the unit properly.

