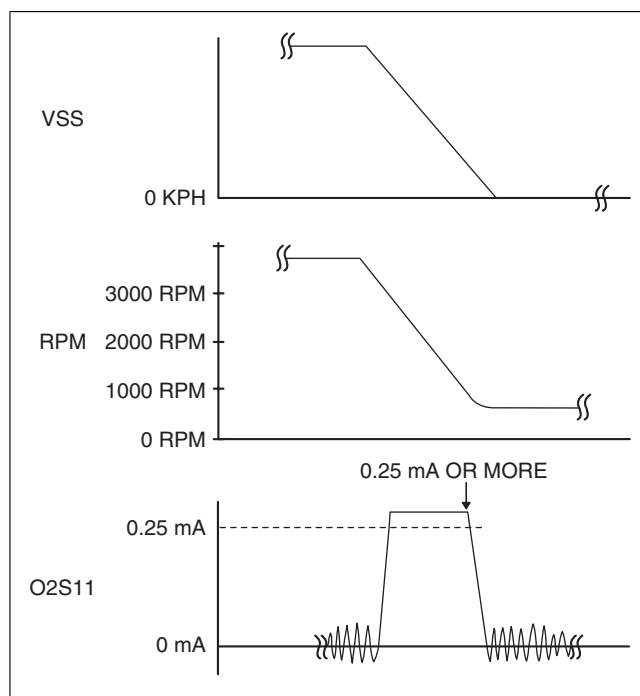


AIR FUEL RATIO (A/F) SENSOR INSPECTION [SKYACTIV-G 2.0]

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A/F Sensor Inspection

1. Connect the M-MDS to the DLC-2.
2. Switch the ignition ON (engine on).
3. Warm up the engine to normal operating temperature.
4. Access the following PIDs using the M-MDS. (See ON-BOARD DIAGNOSTIC TEST [SKYACTIV-G 2.0].)
 - VSS (Vehicle speed)
 - RPM (Engine speed)
 - O2S11 (A/F sensor output current)
5. Drive the vehicle and decelerate the engine speed by releasing the accelerator pedal fully when the engine speed is **3,000 rpm or more**.
6. Verify that the A/F sensor output current (PID: O2S11) is **0.25 mA or more** while decelerating as shown in the figure.
 - If not as specified, replace the A/F sensor. (See AIR FUEL RATIO (A/F) SENSOR REMOVAL/ INSTALLATION [SKYACTIV-G 2.0].)



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A/F Sensor Heater Inspection

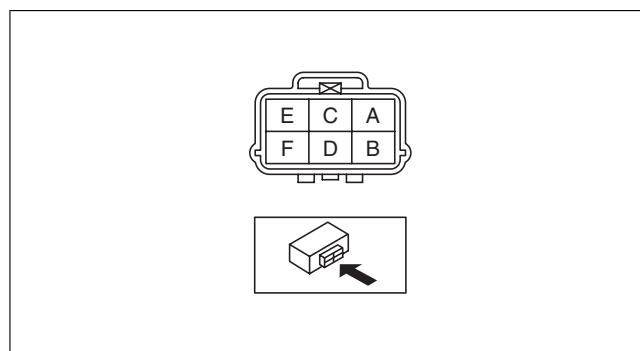
Warning

- A hot engine and exhaust system can cause severe burns. Turn off the engine and wait until they are cool before removing the exhaust system.

1. Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0 (WITHOUT i-stop)].)
2. Disconnect the A/F sensor connector.
3. Measure the resistance between A/F sensor terminals A and E.
 - If not as specified, replace the A/F sensor. (See AIR FUEL RATIO (A/F) SENSOR REMOVAL/ INSTALLATION [SKYACTIV-G 2.0].)

A/F sensor heater resistance

1—10 ohms [normal temperature]



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