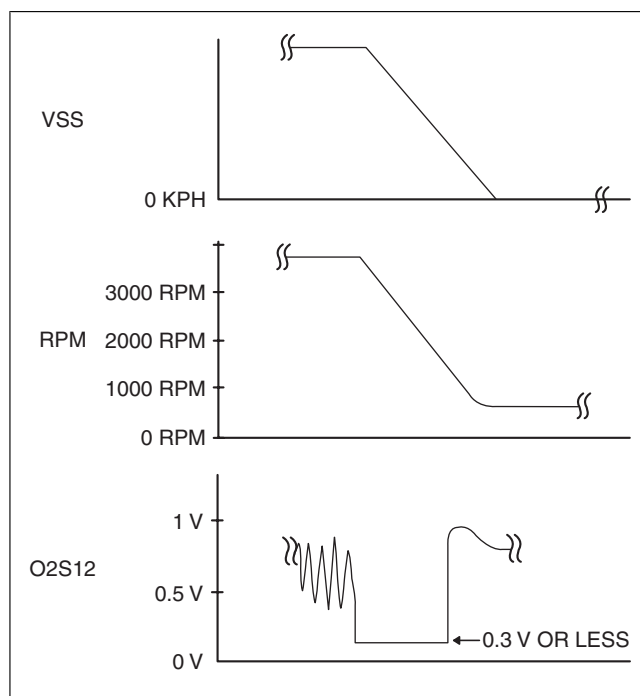


## HEATED OXYGEN SENSOR (HO2S) INSPECTION [SKYACTIV-G 2.0]

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### HO2S 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)
  - O2S12 (HO2S output voltage)
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 HO2S output voltage (PID: O2S12) is **0.3 V or less** while decelerating as shown in the figure.
  - If not as specified, replace the HO2S. (See HEATED OXYGEN SENSOR (HO2S) REMOVAL/INSTALLATION [SKYACTIV-G 2.0].)



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### HO2S Heater Inspection

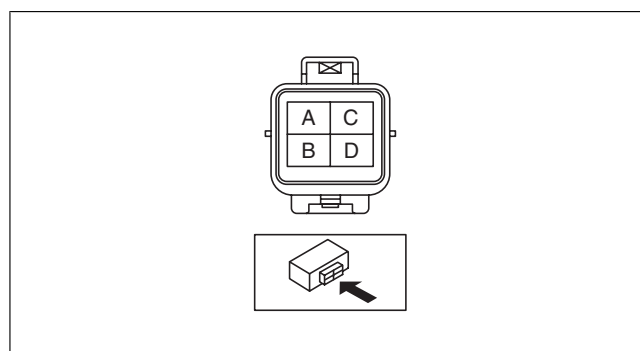
#### Warning

- 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. Lift up the vehicle.
3. Remove the floor under cover. (vehicles with floor under cover) (See FLOOR UNDER COVER REMOVAL/INSTALLATION.)
4. Disconnect the HO2S connector.
5. Measure the resistance between HO2S terminals C and D.
  - If not as specified, replace the HO2S. (See HEATED OXYGEN SENSOR (HO2S) REMOVAL/INSTALLATION [SKYACTIV-G 2.0].)

#### HO2S heater resistance

2—50 ohms [normal temperature]



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