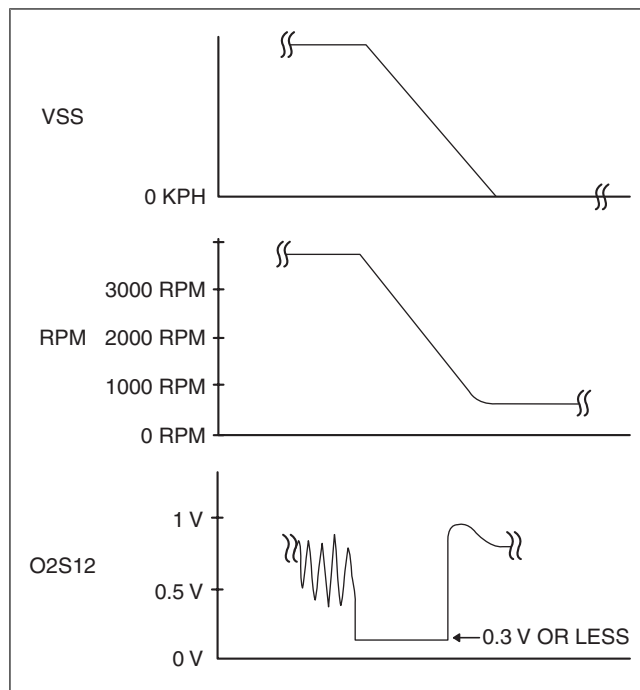


HEATED OXYGEN SENSOR (HO2S) INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5]

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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, SKYACTIV-G 2.5].)
 - 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, SKYACTIV-G 2.5].)



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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.

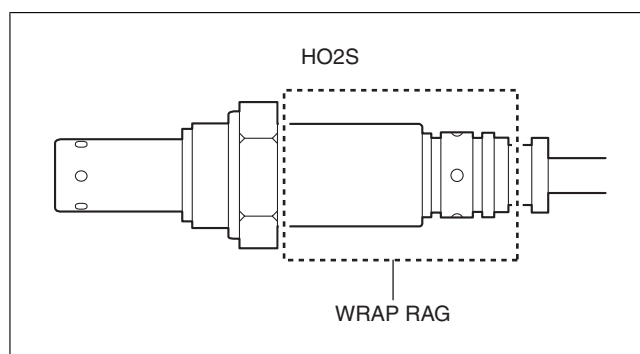
Caution

- Do not allow flammable objects such as the taping for bundling a wiring harness to come into contact with the exhaust manifold and silencer.

Note

- If penetrant lubricating spray penetrates the airflow hole of the HO2S, it could cause interference with the HO2S function.
- When removing the HO2S, wrap a rag around the lower position so that penetrant lubricating spray does not get sprayed into the airflow hole.

1. Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].)
2. Lift up the vehicle.
3. Remove the floor under cover. (With floor under cover) (See FLOOR UNDER COVER REMOVAL/INSTALLATION.)
4. Disconnect the HO2S connector.



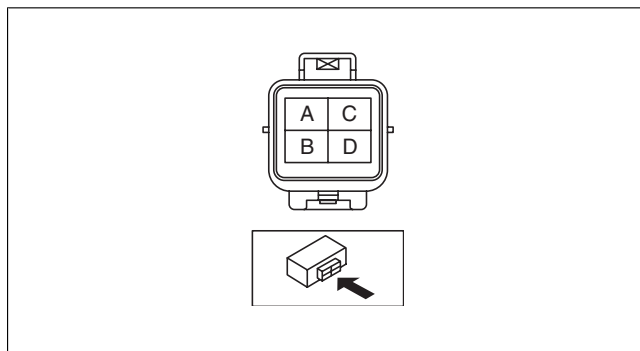
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5. Measure the resistance between HO2S terminals C and D.

- If not as specified, replace the HO2S. (See HEATED OXYGEN SENSOR (HO2S) REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)

HO2S heater resistance

2—50 ohms [normal temperature]



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