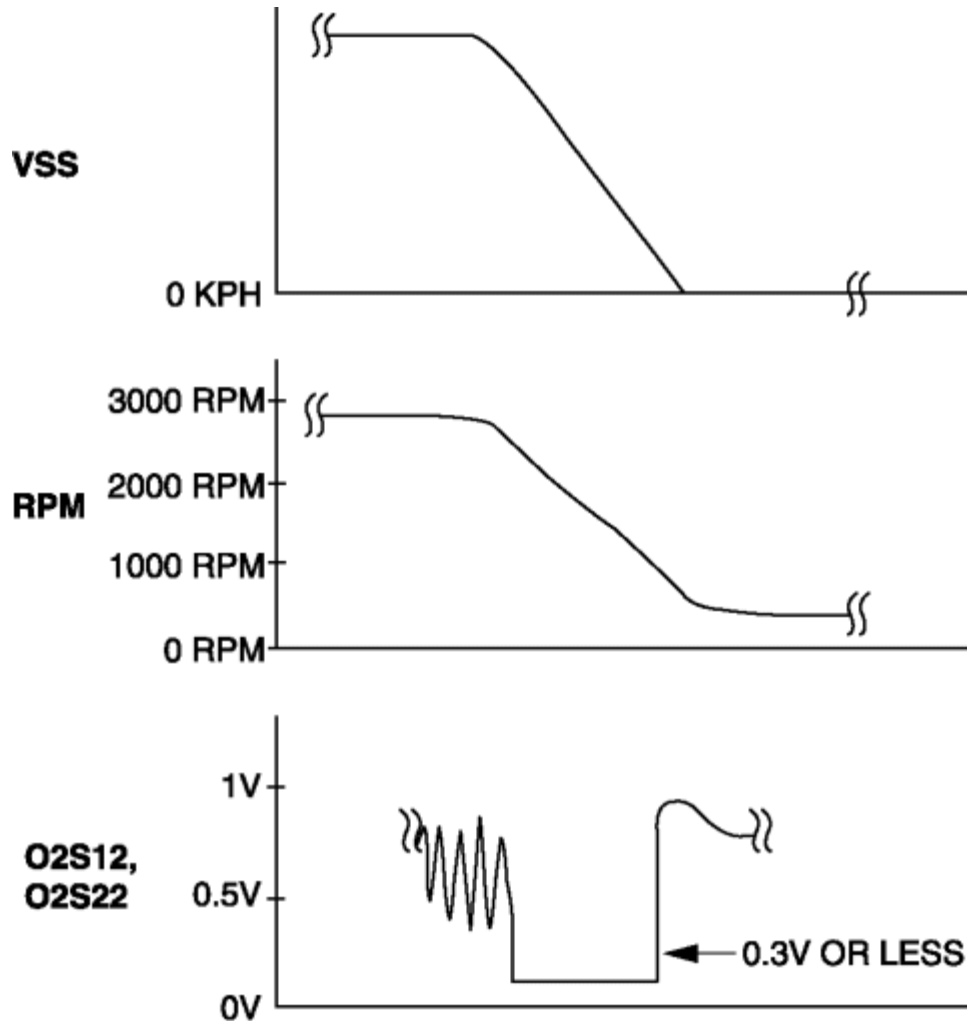


2012 - Mazda6 - Engine

HEATED OXYGEN SENSOR (HO2S) INSPECTION [MZI 3.7 V6]

HO2S Inspection

1. Warm up the engine to normal operating temperature.
2. Drive the vehicle.
3. Release the accelerator pedal while the engine speed is at **3,000 rpm** and verify that the following monitor items fluctuate as shown in the figure while the vehicle decelerates. (See [ON-BOARD DIAGNOSTIC TEST \[MZI 3.7 V6\]](#).)

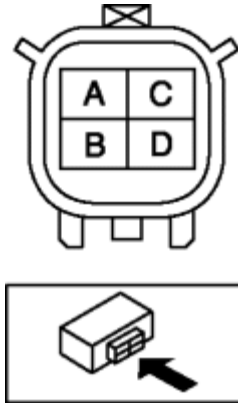


- VSS
- RPM
- O2S12, O2S22

- If not within the specification, replace the HO2S. (See [HEATED OXYGEN SENSOR \(HO2S\) REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#) .)

HO2S Heater Inspection

1. Disconnect the negative battery cable. (See [BATTERY REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#) .)
2. Disconnect the HO2S connector.
3. Measure the resistance between HO2S terminals C and A.



- If it is not within the specification, replace the HO2S. (See [HEATED OXYGEN SENSOR \(HO2S\) REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#) .)

HO2S heater resistance

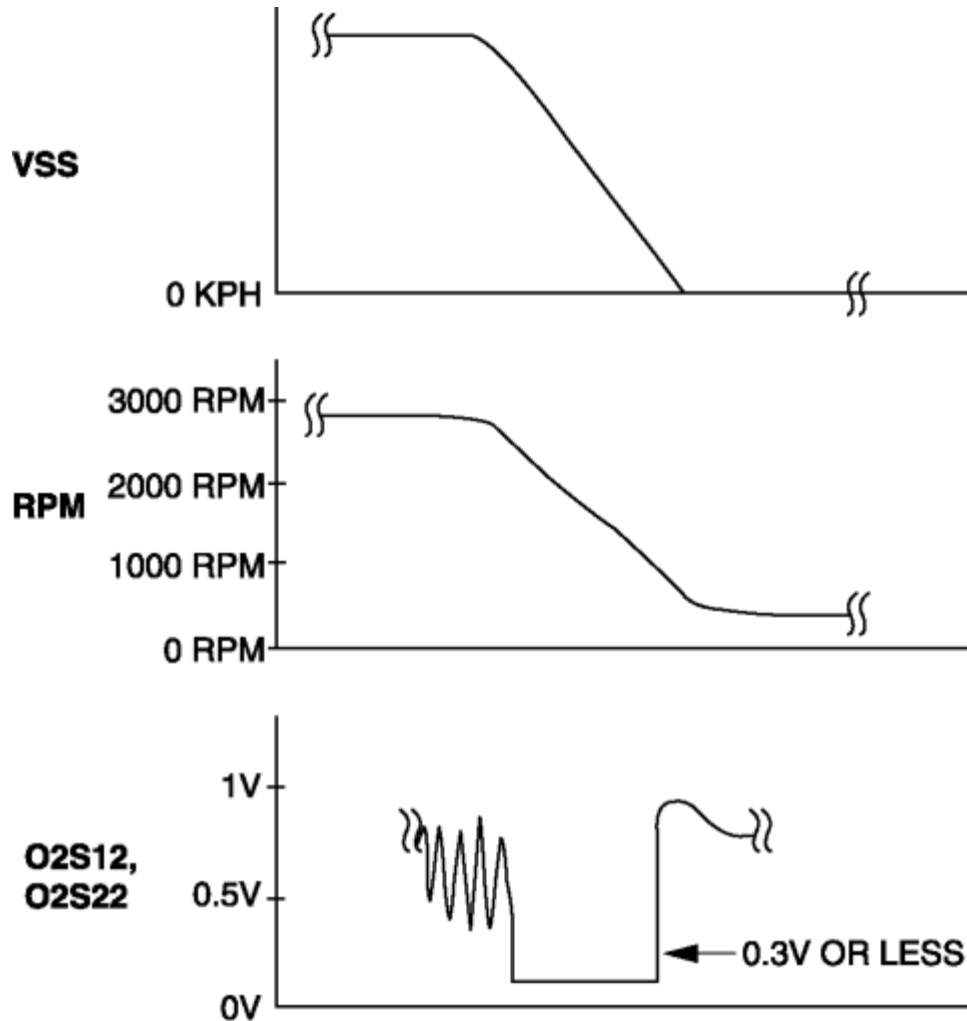
- 2—50 ohms

2012 - Mazda6 - Engine

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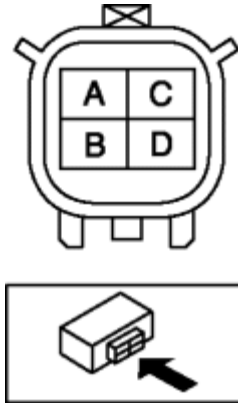


- VSS
- RPM
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HO2S heater resistance

- 2—50 ohms