

**DTC P2228:00 [SKYACTIV-G 2.0, SKYACTIV-G 2.5]**

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<b>DTC P2228:00</b>	<b>BARO sensor circuit low input</b>
<b>DETECTION CONDITION</b>	<ul style="list-style-type: none"><li>• The PCM monitors input voltage from the BARO sensor. If the input voltage is below the specified value for <b>5 s</b>, the PCM determines that the BARO sensor circuit has a malfunction.</li></ul> <b>Diagnostic support note</b> <ul style="list-style-type: none"><li>• This is a continuous monitor (CCM).</li><li>• The check engine light illuminates if the PCM detects the above malfunction condition during the first drive cycle.</li><li>• FREEZE FRAME DATA (Mode 2)/Snapshot data is available.</li><li>• DTC is stored in the PCM memory.</li></ul>
<b>FAIL-SAFE FUNCTION</b>	• Fixes barometric pressure for the engine control at <b>101.32 kPa {759.96 mmHg, 29.920 inHg}</b>
<b>POSSIBLE CAUSE</b>	<ul style="list-style-type: none"><li>• BARO sensor (built-into PCM) malfunction</li><li>• PCM malfunction</li></ul>
<b>SYSTEM WIRING DIAGRAM</b>	Not applicable

**Diagnostic Procedure**

<b>STEP</b>	<b>INSPECTION</b>	<b>ACTION</b>
1	<b>VERIFY FREEZE FRAME DATA (MODE 2)/ SNAPSHOT DATA HAS BEEN RECORDED</b> <ul style="list-style-type: none"><li>• Has the FREEZE FRAME DATA (Mode 2)/ snapshot data been recorded?</li></ul>	Yes Go to the next step.
		No Record the FREEZE FRAME DATA (Mode 2)/snapshot data on the repair order, then go to the next step.
2	<b>VERIFY RELATED SERVICE INFORMATION AVAILABILITY</b> <ul style="list-style-type: none"><li>• Verify related Service Information availability.</li><li>• Is any related Service Information available?</li></ul>	Yes Perform repair or diagnosis according to the available Service Information. <ul style="list-style-type: none"><li>• If the vehicle is not repaired, go to the next step.</li></ul>
		No Go to the next step.
3	<b>INSPECT BARO SENSOR</b> <ul style="list-style-type: none"><li>• Inspect the BARO sensor. (See BAROMETRIC PRESSURE (BARO) SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)</li><li>• Is there any malfunction?</li></ul>	Yes Replace the PCM, then go to the next step. (See PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
		No Go to the next step.
4	<b>VERIFY DTC TROUBLESHOOTING COMPLETED</b> <ul style="list-style-type: none"><li>• Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)</li><li>• Perform the KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)</li><li>• Is the same DTC present?</li></ul>	Yes Replace the PCM, then go to the next step. (See PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
		No Go to the next step.
5	<b>VERIFY AFTER REPAIR PROCEDURE</b> <ul style="list-style-type: none"><li>• Perform the "AFTER REPAIR PROCEDURE". (See AFTER REPAIR PROCEDURE [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)</li><li>• Are any DTCs present?</li></ul>	Yes Go to the applicable DTC inspection. (See DTC TABLE [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
		No DTC troubleshooting completed.